SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

Anderson, Mulholland & Associates

BMSMC, Building 5 Area, PR

02I

SGS Accutest Job Number: JC24003

Sampling Dates: 07/08/16 - 07/11/16

Report to:

Anderson, Mulholland & Associates
2700 Westchester Avenue Suite 417
Purchase, NY 10577
ttaylor@amaiconsult.com

ATTN: Terry Taylor

Total number of pages in report: 422

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

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

SGS Accutest is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **6**
4.1: JC24003-1: OSGP1-GW5 7
4.2: JC24003-2: OSGP1-GWD 8
4.3: JC24003-3: OSGP2-GW5 9
4.4: JC24003-4: OSGP7-GWD 10
4.5: JC24003-5: BPEB-6 11
Section 5: Misc. Forms **12**
5.1: Chain of Custody 13
5.2: Sample Tracking Chronicle 15
5.3: Internal Chain of Custody 16
Section 6: GC/MS Semi-volatiles - QC Data Summaries **17**
6.1: Method Blank Summary 18
6.2: Blank Spike/Blank Spike Duplicate Summary 21
6.3: Instrument Performance Checks (DFTPP) 22
6.4: Internal Standard Area Summaries 35
6.5: Surrogate Recovery Summaries 39
6.6: Initial and Continuing Calibration Summaries 40
Section 7: GC/MS Semi-volatiles - Raw Data **84**
7.1: Samples 85
7.2: Method Blanks 108
7.3: Blank Spike/Blank Spike Duplicates 115
7.4: Instrument Performance Checks (DFTPP) 127
7.5: Initial and Continuing Calibrations 199
7.6: Instrument Run Logs 408
7.7: Prep Logs 422

SGS Accutest

Sample Summary

Anderson, Mulholland & Associates

Job No: JC24003

BMSMC, Building 5 Area, PR
Project No: 02I

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC24003-1	07/08/16	10:45	TT	07/13/16	AQ	Ground Water	OSGP1-GW5
JC24003-2	07/08/16	14:00	TT	07/13/16	AQ	Ground Water	OSGP1-GWD
JC24003-3	07/11/16	10:55	TT	07/13/16	AQ	Ground Water	OSGP2-GW5
JC24003-4	07/11/16	13:55	TT	07/13/16	AQ	Ground Water	OSGP7-GWD
JC24003-5	07/08/16	12:30	TT	07/13/16	AQ	Equipment Blank	BPEB-6

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Anderson, Mulholland & Associates	**Job No**	JC24003
Site:	BMSMC, Building 5 Area, PR	**Report Date**	7/19/2016 1:02:18 PM

On 07/13/2016, 4 Sample(s), 1 Equipment Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 4.5 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of JC24003 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Extractables by GCMS By Method SW846 8270D BY SIM

Matrix: AQ **Batch ID:** OP95563A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JC24003-2 for Terphenyl-d14: Outside control limits due to dilution.
- JC24003-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JC24003-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: JC24003
Account: Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Collected: 07/08/16 thru 07/11/16

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC24003-1	**OSGP1-GW5**					
1,4-Dioxane		4.93	0.11	0.054	ug/l	SW846 8270D BY SIM
JC24003-2	**OSGP1-GWD**					
1,4-Dioxane		3090	110	5.4	ug/l	SW846 8270D BY SIM
JC24003-3	**OSGP2-GW5**					
1,4-Dioxane		1130	22	1.1	ug/l	SW846 8270D BY SIM
JC24003-4	**OSGP7-GWD**					
1,4-Dioxane		7.14	1.1	0.053	ug/l	SW846 8270D BY SIM
JC24003-5	**BPEB-6**					

No hits reported in this sample.

Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

Client Sample ID:	OSGP1-GW5		
Lab Sample ID:	JC24003-1	**Date Sampled:**	07/08/16
Matrix:	AQ - Ground Water	**Date Received:**	07/13/16
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, PR		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P55100.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.11	0.032	ug/l	
123-91-1	1,4-Dioxane	4.93	0.11	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		24-125%
321-60-8	2-Fluorobiphenyl	64%		19-127%
1718-51-0	Terphenyl-d14	65%		10-119%

ND = 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

SGS Accutest

Report of Analysis

Client Sample ID:	OSGP1-GWD		
Lab Sample ID:	JC24003-2	**Date Sampled:**	07/08/16
Matrix:	AQ - Ground Water	**Date Received:**	07/13/16
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, PR		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P55101.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511
Run #2	F159008.D	100	07/15/16	BP	07/13/16	OP95563A	EF6690

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2	910 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.11	0.032	ug/l	
123-91-1	1,4-Dioxane	3090 [a]	110	5.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%	0% [b]	24-125%
321-60-8	2-Fluorobiphenyl	63%	0% [b]	19-127%
1718-51-0	Terphenyl-d14	64%	0% [b]	10-119%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = 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

SGS Accutest

Report of Analysis

Client Sample ID:	OSGP2-GW5		
Lab Sample ID:	JC24003-3	**Date Sampled:**	07/11/16
Matrix:	AQ - Ground Water	**Date Received:**	07/13/16
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, PR		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P55102.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511
Run #2	2P60998.D	20	07/14/16	RL	07/13/16	OP95563A	E2P2663

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2	910 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.11	0.032	ug/l	
123-91-1	1,4-Dioxane	1130 [a]	22	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%	59%	24-125%
321-60-8	2-Fluorobiphenyl	65%	74%	19-127%
1718-51-0	Terphenyl-d14	63%	67%	10-119%

(a) Result is from Run# 2

ND = 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

SGS Accutest

Report of Analysis

Client Sample ID:	OSGP7-GWD		
Lab Sample ID:	JC24003-4	**Date Sampled:**	07/11/16
Matrix:	AQ - Ground Water	**Date Received:**	07/13/16
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, PR		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P55103.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511
Run #2	2P60997.D	1	07/14/16	RL	07/13/16	OP95563A	E2P2663

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2	920 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.11	0.032	ug/l	
123-91-1	1,4-Dioxane	7.14 [a]	1.1	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%	78%	24-125%
321-60-8	2-Fluorobiphenyl	83%	92%	19-127%
1718-51-0	Terphenyl-d14	76%	70%	10-119%

(a) Result is from Run# 2

ND = 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

SGS Accutest

Report of Analysis

Client Sample ID:	BPEB-6		
Lab Sample ID:	JC24003-5	**Date Sampled:**	07/08/16
Matrix:	AQ - Equipment Blank	**Date Received:**	07/13/16
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, PR		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P55104.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.10	0.029	ug/l	
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		24-125%
321-60-8	2-Fluorobiphenyl	77%		19-127%
1718-51-0	Terphenyl-d14	75%		10-119%

ND = 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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

NJ

GW
EB

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

Bottle Order Control # 809862883497

Accutest Quote #

Accutest Job # JC24003

Client / Reporting Information

Company Name: Anderson Mulholland & Associates

Street Address: 2700 Westchester Avenue, Suite 417

City: Purchase State: NY Zip: 10577

Project Contact: Terry Taylor E-mail:

Phone #: 914-251-0400 Fax #:

Sampler(s) Name(s): N. Rivera, R. Stuart, R. O'Reilly, T. Taylor Phone #:

Project Information

Project Name: BMSMC Phase 2A Release Assessment

Street:

City: Humacao State: PR

Project #: 02i

Client Purchase Order #:

Project Manager: Terry Taylor

Billing Information (if different from Report to)

Company Name:

Street Address:

City State Zip

Attention:

Requested Analysis (see TEST CODE sheet)

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; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	1,4-Dioxane and Naphthalene via 8270D SIM	LAB USE ONLY
1	OSGP 1-GWS		7-8-16	1045	TT	GW	2					2				X	E42
2	~~OSGP 2-GWD~~ OSGP1-GWD		7-8-16	1400	TT	GW	2					2				X	
3	OSGP 2-GWS		7-11-16	1055	TT	GW	2					2				X	
4	OSGP 7-GWD		7-11-6	1355	TT	GW	2					2				X	
5	BPEB-6		7-8-16	1230	TT	EB	2					2				X	

date 7-12-16

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [x] 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)
- [x] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

INITIAL ASESSMENT Am 3A

LABEL VERIFICATION JC

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	7-12-16 1700	1 Fed Ex	2	7-13-16 1900	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 # 261, 262	Preserved where applicable	On Ice / Cooler Temp. 3.6, 2.8°C

[ ] Intact [ ] Not intact

IP

5.1 5

JC24003: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC24003 **Client:** **Project:**

Date / Time Received: 7/13/2016 7:00:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6); Cooler 2: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (4.5); Cooler 2: (3.7);

Cooler Security	Y	or N		Y	or N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	or N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	2	

Quality Control _Preservation	Y	or N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	or N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	or N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	or N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

5.1

5

JC24003: Chain of Custody

Page 2 of 2

Internal Sample Tracking Chronicle

Anderson, Mulholland & Associates

Job No: JC24003

BMSMC, Building 5 Area, PR
Project No: 02I

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC24003-1	Collected: 08-JUL-16 10:45 By: TT		Received: 13-JUL-16 By: AS			
OSGP1-GW5						
JC24003-1	SW846 8270D BY SIM	14-JUL-16 12:09	HC	13-JUL-16	SP	B8270SIM14DIOX,BSIM + NAP
JC24003-2	Collected: 08-JUL-16 14:00 By: TT		Received: 13-JUL-16 By: AS			
OSGP1-GWD						
JC24003-2	SW846 8270D BY SIM	14-JUL-16 12:42	HC	13-JUL-16	SP	BSIM + NAP
JC24003-2	SW846 8270D BY SIM	15-JUL-16 13:17	BP	13-JUL-16	SP	B8270SIM14DIOX
JC24003-3	Collected: 11-JUL-16 10:55 By: TT		Received: 13-JUL-16 By: AS			
OSGP2-GW5						
JC24003-3	SW846 8270D BY SIM	14-JUL-16 13:15	HC	13-JUL-16	SP	BSIM + NAP
JC24003-3	SW846 8270D BY SIM	14-JUL-16 17:52	RL	13-JUL-16	SP	B8270SIM14DIOX
JC24003-4	Collected: 11-JUL-16 13:55 By: TT		Received: 13-JUL-16 By: AS			
OSGP7-GWD						
JC24003-4	SW846 8270D BY SIM	14-JUL-16 13:47	HC	13-JUL-16	SP	BSIM + NAP
JC24003-4	SW846 8270D BY SIM	14-JUL-16 17:29	RL	13-JUL-16	SP	B8270SIM14DIOX
JC24003-5	Collected: 08-JUL-16 12:30 By: TT		Received: 13-JUL-16 By: AS			
BPEB-6						
JC24003-5	SW846 8270D BY SIM	14-JUL-16 14:20	HC	13-JUL-16	SP	B8270SIM14DIOX,BSIM + NAP

SGS Accutest Internal Chain of Custody

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Received: 07/13/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC24003-1.2	Secured Storage	Max Ponce	07/13/16 21:27	Retrieve from Storage
JC24003-1.2	Max Ponce		07/13/16 23:36	Depleted
JC24003-1.2.1	Max Ponce	Organics Prep	07/13/16 21:27	Extract from JC24003-1.2
JC24003-1.2.1	Organics Prep	Allan Chung-yew	07/13/16 23:37	Extract from JC24003-1.2
JC24003-1.2.1	Allan Chung-yew	Extract Storage	07/13/16 23:37	Return to Storage
JC24003-2.2	Secured Storage	Max Ponce	07/13/16 21:27	Retrieve from Storage
JC24003-2.2	Max Ponce		07/13/16 23:36	Depleted
JC24003-2.2.1	Max Ponce	Organics Prep	07/13/16 21:27	Extract from JC24003-2.2
JC24003-2.2.1	Organics Prep	Allan Chung-yew	07/13/16 23:37	Extract from JC24003-2.2
JC24003-2.2.1	Allan Chung-yew	Extract Storage	07/13/16 23:37	Return to Storage
JC24003-3.2	Secured Storage	Max Ponce	07/13/16 21:27	Retrieve from Storage
JC24003-3.2	Max Ponce		07/13/16 23:36	Depleted
JC24003-3.2.1	Max Ponce	Organics Prep	07/13/16 21:27	Extract from JC24003-3.2
JC24003-3.2.1	Organics Prep	Allan Chung-yew	07/13/16 23:37	Extract from JC24003-3.2
JC24003-3.2.1	Allan Chung-yew	Extract Storage	07/13/16 23:37	Return to Storage
JC24003-4.2	Secured Storage	Max Ponce	07/13/16 21:27	Retrieve from Storage
JC24003-4.2	Max Ponce		07/13/16 23:36	Depleted
JC24003-4.2.1	Max Ponce	Organics Prep	07/13/16 21:27	Extract from JC24003-4.2
JC24003-4.2.1	Organics Prep	Allan Chung-yew	07/13/16 23:37	Extract from JC24003-4.2
JC24003-4.2.1	Allan Chung-yew	Extract Storage	07/13/16 23:37	Return to Storage
JC24003-5.2	Secured Storage	Max Ponce	07/13/16 21:27	Retrieve from Storage
JC24003-5.2	Max Ponce		07/13/16 23:36	Depleted
JC24003-5.2.1	Max Ponce	Organics Prep	07/13/16 21:27	Extract from JC24003-5.2
JC24003-5.2.1	Organics Prep	Allan Chung-yew	07/13/16 23:37	Extract from JC24003-5.2
JC24003-5.2.1	Allan Chung-yew	Extract Storage	07/13/16 23:37	Return to Storage

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: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP95563A-MB1	3P55097.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511

The QC reported here applies to the following samples: **Method:** SW846 8270D BY SIM

JC24003-1, JC24003-2, JC24003-3, JC24003-4, JC24003-5

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.10	0.029	ug/l	
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	67%	24-125%
321-60-8	2-Fluorobiphenyl	67%	19-127%
1718-51-0	Terphenyl-d14	69%	10-119%

Method Blank Summary

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP95563A-MB1	2P60994.D	1	07/14/16	RL	07/13/16	OP95563A	E2P2663

The QC reported here applies to the following samples: **Method:** SW846 8270D BY SIM

JC24003-1, JC24003-2, JC24003-3, JC24003-4, JC24003-5

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.10	0.029	ug/l	
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	74%	24-125%
321-60-8	2-Fluorobiphenyl	81%	19-127%
1718-51-0	Terphenyl-d14	72%	10-119%

Method Blank Summary

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP95563A-MB1	F159007.D	1	07/15/16	BP	07/13/16	OP95563A	EF6690

The QC reported here applies to the following samples: **Method:** SW846 8270D BY SIM

JC24003-1, JC24003-2, JC24003-3, JC24003-4, JC24003-5

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	0.10	0.029	ug/l	
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	85%	24-125%
321-60-8	2-Fluorobiphenyl	74%	19-127%
1718-51-0	Terphenyl-d14	80%	10-119%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP95563A-BS12	3P55098.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511
OP95563A-BSD12	3P55099.D	1	07/14/16	HC	07/13/16	OP95563A	E3P2511

The QC reported here applies to the following samples: **Method:** SW846 8270D BY SIM

JC24003-1, JC24003-2, JC24003-3, JC24003-4, JC24003-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	1	0.823	82	0.850	85	3	40-119/30
123-91-1	1,4-Dioxane	1	0.518	52	0.536	54	3	20-160/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	80%	83%	24-125%
321-60-8	2-Fluorobiphenyl	71%	73%	19-127%
1718-51-0	Terphenyl-d14	76%	79%	10-119%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E2P2635-DFTPP
Lab File ID: 2P60421.D
Instrument ID: GCMS2P
Injection Date: 06/23/16
Injection Time: 10:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	94610	56.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	92399	55.6		Pass
70	Less than 2.0% of mass 69	142	0.09	(0.15) [a]	Pass
127	40.0 - 60.0% of mass 198	83366	50.2		Pass
197	Less than 1.0% of mass 198	442	0.27		Pass
198	Base peak, 100% relative abundance	166181	100.0		Pass
199	5.0 - 9.0% of mass 198	11303	6.80		Pass
275	10.0 - 30.0% of mass 198	35009	21.1		Pass
365	1.0 - 100.0% of mass 198	4638	2.79		Pass
441	Present, but less than mass 443	11582	6.97	(50.4) [b]	Pass
442	40.0 - 100.0% of mass 198	113621	68.4		Pass
443	17.0 - 23.0% of mass 442	22988	13.8	(20.2) [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
E2P2635-ICC2635	2P60424.D	06/23/16	12:12	01:37	Initial cal 50
E2P2635-IC2635	2P60425.D	06/23/16	12:40	02:05	Initial cal 1
E2P2635-IC2635	2P60426.D	06/23/16	13:05	02:30	Initial cal 2
E2P2635-IC2635	2P60427.D	06/23/16	13:29	02:54	Initial cal 5
E2P2635-IC2635	2P60428.D	06/23/16	13:53	03:18	Initial cal 10
E2P2635-IC2635	2P60429.D	06/23/16	14:17	03:42	Initial cal 25
E2P2635-IC2635	2P60430.D	06/23/16	14:41	04:06	Initial cal 80
E2P2635-IC2635	2P60431.D	06/23/16	15:05	04:30	Initial cal 100

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E2P2636-DFTPP
Lab File ID: 2P60432.D
Instrument ID: GCMS2P
Injection Date: 06/23/16
Injection Time: 16:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	106601	53.2		Pass
68	Less than 2.0% of mass 69	1046	0.52	(0.99) [a]	Pass
69	Mass 69 relative abundance	105658	52.7		Pass
70	Less than 2.0% of mass 69	967	0.48	(0.92) [a]	Pass
127	40.0 - 60.0% of mass 198	93536	46.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	200376	100.0		Pass
199	5.0 - 9.0% of mass 198	13573	6.77		Pass
275	10.0 - 30.0% of mass 198	45138	22.5		Pass
365	1.0 - 100.0% of mass 198	7724	3.85		Pass
441	Present, but less than mass 443	27551	13.7	(87.0) [b]	Pass
442	40.0 - 100.0% of mass 198	165024	82.4		Pass
443	17.0 - 23.0% of mass 442	31657	15.8	(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
E2P2636-ICV2635	2P60442.D	06/23/16	20:44	03:47	Initial cal verification 50
E2P2636-ICV2635	2P60443.D	06/23/16	21:08	04:11	Initial cal verification 50
E2P2636-ICV2635	2P60444.D	06/23/16	21:31	04:34	Initial cal verification 50
E2P2636-ICV2635	2P60445.D	06/23/16	21:55	04:58	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E2P2637-DFTPP
Lab File ID: 2P60448.D
Instrument ID: GCMS2P
Injection Date: 06/24/16
Injection Time: 10:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	113642	57.5		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	109665	55.5		Pass
70	Less than 2.0% of mass 69	455	0.23	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	99527	50.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	197536	100.0		Pass
199	5.0 - 9.0% of mass 198	13669	6.92		Pass
275	10.0 - 30.0% of mass 198	44603	22.6		Pass
365	1.0 - 100.0% of mass 198	6366	3.22		Pass
441	Present, but less than mass 443	25544	12.9	(96.4) [b]	Pass
442	40.0 - 100.0% of mass 198	145936	73.9		Pass
443	17.0 - 23.0% of mass 442	26491	13.4	(18.2) [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
E2P2637-ICC2637	2P60449.D	06/24/16	11:11	00:13	Initial cal 50
E2P2637-IC2637	2P60450.D	06/24/16	11:35	00:37	Initial cal 1
E2P2637-IC2637	2P60451.D	06/24/16	11:59	01:01	Initial cal 100
E2P2637-IC2637	2P60452.D	06/24/16	12:23	01:25	Initial cal 2
E2P2637-IC2637	2P60453.D	06/24/16	12:47	01:49	Initial cal 80
E2P2637-IC2637	2P60454.D	06/24/16	13:11	02:13	Initial cal 5
E2P2637-IC2637	2P60455.D	06/24/16	13:35	02:37	Initial cal 25
E2P2637-IC2637	2P60456.D	06/24/16	13:59	03:01	Initial cal 10
E2P2637-ICV2637	2P60458.D	06/24/16	14:47	03:49	Initial cal verification 50
E2P2637-ICV2637	2P60459.D	06/24/16	15:11	04:13	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E2P2638-DFTPP
Lab File ID: 2P60461.D
Instrument ID: GCMS2P
Injection Date: 06/24/16
Injection Time: 17:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	97849	51.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	100919	53.5		Pass
70	Less than 2.0% of mass 69	966	0.51	(0.96) [a]	Pass
127	40.0 - 60.0% of mass 198	92597	49.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	188556	100.0		Pass
199	5.0 - 9.0% of mass 198	12272	6.51		Pass
275	10.0 - 30.0% of mass 198	38666	20.5		Pass
365	1.0 - 100.0% of mass 198	5543	2.94		Pass
441	Present, but less than mass 443	23599	12.5	(89.7) [b]	Pass
442	40.0 - 100.0% of mass 198	135272	71.7		Pass
443	17.0 - 23.0% of mass 442	26295	13.9	(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
E2P2638-ICV2635	2P60462.D	06/24/16	17:24	00:12	Initial cal verification 50
E2P2638-ICV2637	2P60463.D	06/24/16	17:48	00:36	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E2P2663-DFTPP
Lab File ID: 2P60971.D
Instrument ID: GCMS2P
Injection Date: 07/14/16
Injection Time: 09:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	116192	44.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	117343	44.8		Pass
70	Less than 2.0% of mass 69	214	0.08	(0.18) [a]	Pass
127	40.0 - 60.0% of mass 198	109213	41.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	261949	100.0		Pass
199	5.0 - 9.0% of mass 198	16270	6.21		Pass
275	10.0 - 30.0% of mass 198	71673	27.4		Pass
365	1.0 - 100.0% of mass 198	9502	3.63		Pass
441	Present, but less than mass 443	34786	13.3	(96.2) [b]	Pass
442	40.0 - 100.0% of mass 198	181589	69.3		Pass
443	17.0 - 23.0% of mass 442	36142	13.8	(19.9) [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
E2P2663-CC2635	2P60972.D	07/14/16	09:13	00:11	Continuing cal 50
E2P2663-CC2637	2P60973.D	07/14/16	09:45	00:43	Continuing cal 50
OP95303-MB5	2P60976.D	07/14/16	10:50	01:48	Method Blank
OP95518-MB1	2P60976.D	07/14/16	10:50	01:48	Method Blank
OP95518-BS1	2P60977.D	07/14/16	11:12	02:10	Blank Spike
OP95303-BS5	2P60977.D	07/14/16	11:12	02:10	Blank Spike
OP95518-LB19	2P60978.D	07/14/16	11:34	02:32	Leachate Blank
OP95518-LB20	2P60979.D	07/14/16	11:55	02:53	Leachate Blank
OP95518-LB22	2P60980.D	07/14/16	12:18	03:16	Leachate Blank
ZZZZZZ	2P60981.D	07/14/16	12:40	03:38	(unrelated sample)
ZZZZZZ	2P60982.D	07/14/16	13:03	04:01	(unrelated sample)
OP95518-LS8	2P60983.D	07/14/16	13:25	04:23	Leachate Spike
OP95518-MS	2P60983.D	07/14/16	13:25	04:23	Matrix Spike
OP95518-MSD	2P60984.D	07/14/16	13:46	04:44	Matrix Spike Duplicate
OP95485-LS9	2P60993.D	07/14/16	14:08	05:06	Leachate Spike
OP95485-MS	2P60993.D	07/14/16	14:08	05:06	Matrix Spike
ZZZZZZ	2P60985.D	07/14/16	14:31	05:29	(unrelated sample)
JC23922-1A	2P60986.D	07/14/16	14:53	05:51	(used for QC only; not part of job JC24003)
ZZZZZZ	2P60987.D	07/14/16	15:15	06:13	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E2P2663-DFTPP
Lab File ID: 2P60971.D
Instrument ID: GCMS2P
Injection Date: 07/14/16
Injection Time: 09:02

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2P60988.D	07/14/16	15:38	06:36	(unrelated sample)
ZZZZZZ	2P60989.D	07/14/16	16:00	06:58	(unrelated sample)
OP95563A-MB1	2P60994.D	07/14/16	16:22	07:20	Method Blank
JC24003-4	2P60997.D	07/14/16	17:29	08:27	OSGP7-GWD
JC24003-3	2P60998.D	07/14/16	17:52	08:50	OSGP2-GW5
ZZZZZZ	2P60990.D	07/14/16	18:13	09:11	(unrelated sample)
JC20091-2B	2P60991.D	07/14/16	18:35	09:33	(used for QC only; not part of job JC24003)
ZZZZZZ	2P60992.D	07/14/16	18:57	09:55	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E3P2503-DFTPP
Lab File ID: 3P54953.D
Instrument ID: GCMS3P
Injection Date: 07/06/16
Injection Time: 09:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	57126	38.2		Pass
68	Less than 2.0% of mass 69	1062	0.71	(1.70) [a]	Pass
69	Mass 69 relative abundance	62449	41.8		Pass
70	Less than 2.0% of mass 69	387	0.26	(0.62) [a]	Pass
127	40.0 - 60.0% of mass 198	72301	48.4		Pass
197	Less than 1.0% of mass 198	1015	0.68		Pass
198	Base peak, 100% relative abundance	149501	100.0		Pass
199	5.0 - 9.0% of mass 198	10162	6.80		Pass
275	10.0 - 30.0% of mass 198	33995	22.7		Pass
365	1.0 - 100.0% of mass 198	4170	2.79		Pass
441	Present, but less than mass 443	16547	11.1	(81.6) [b]	Pass
442	40.0 - 100.0% of mass 198	109091	73.0		Pass
443	17.0 - 23.0% of mass 442	20290	13.6	(18.6) [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
E3P2503-ICC2503	3P54955.D	07/06/16	10:32	01:20	Initial cal 1.0
E3P2503-IC2503	3P54956.D	07/06/16	11:26	02:14	Initial cal 0.01
E3P2503-IC2503	3P54957.D	07/06/16	11:57	02:45	Initial cal 0.02
E3P2503-IC2503	3P54958.D	07/06/16	12:28	03:16	Initial cal 0.05
E3P2503-IC2503	3P54959.D	07/06/16	12:59	03:47	Initial cal 0.1
E3P2503-IC2503	3P54960.D	07/06/16	13:30	04:18	Initial cal 0.2
E3P2503-IC2503	3P54961.D	07/06/16	14:02	04:50	Initial cal 5
E3P2503-IC2503	3P54962.D	07/06/16	14:33	05:21	Initial cal 2.5
E3P2503-IC2503	3P54963.D	07/06/16	15:04	05:52	Initial cal 0.5
E3P2503-ICV2503	3P54964.D	07/06/16	17:37	08:25	Initial cal verification 1.0
E3P2503-ICV2503	3P54965.D	07/06/16	18:08	08:56	Initial cal verification 1.0

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: E3P2511-DFTPP
Lab File ID: 3P55095.D
Instrument ID: GCMS3P
Injection Date: 07/14/16
Injection Time: 09:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	29322	32.1		Pass
68	Less than 2.0% of mass 69	545	0.60	(1.59) [a]	Pass
69	Mass 69 relative abundance	34215	37.4		Pass
70	Less than 2.0% of mass 69	97	0.11	(0.28) [a]	Pass
127	40.0 - 60.0% of mass 198	41799	45.7		Pass
197	Less than 1.0% of mass 198	413	0.45		Pass
198	Base peak, 100% relative abundance	91402	100.0		Pass
199	5.0 - 9.0% of mass 198	6254	6.84		Pass
275	10.0 - 30.0% of mass 198	21377	23.4		Pass
365	1.0 - 100.0% of mass 198	2614	2.86		Pass
441	Present, but less than mass 443	11888	13.0	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	80216	87.8		Pass
443	17.0 - 23.0% of mass 442	14600	16.0	(18.2) [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
E3P2511-CC2503	3P55096.D	07/14/16	09:52	00:13	Continuing cal 0.5
OP95563A-MB1	3P55097.D	07/14/16	10:32	00:53	Method Blank
OP95563A-BS12	3P55098.D	07/14/16	11:04	01:25	Blank Spike
OP95563A-BSD12	3P55099.D	07/14/16	11:37	01:58	Blank Spike Duplicate
JC24003-1	3P55100.D	07/14/16	12:09	02:30	OSGP1-GW5
JC24003-2	3P55101.D	07/14/16	12:42	03:03	OSGP1-GWD
JC24003-3	3P55102.D	07/14/16	13:15	03:36	OSGP2-GW5
JC24003-4	3P55103.D	07/14/16	13:47	04:08	OSGP7-GWD
JC24003-5	3P55104.D	07/14/16	14:20	04:41	BPEB-6

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: EF6644-DFTPP
Lab File ID: F157848.D
Instrument ID: GCMSF
Injection Date: 06/09/16
Injection Time: 07:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19838	34.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	30591	53.7		Pass
70	Less than 2.0% of mass 69	187	0.33	(0.61) [a]	Pass
127	40.0 - 60.0% of mass 198	34116	59.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	56985	100.0		Pass
199	5.0 - 9.0% of mass 198	4019	7.05		Pass
275	10.0 - 30.0% of mass 198	11955	21.0		Pass
365	1.0 - 100.0% of mass 198	1510	2.65		Pass
441	Present, but less than mass 443	6681	11.7	(77.7) [b]	Pass
442	40.0 - 100.0% of mass 198	44896	78.8		Pass
443	17.0 - 23.0% of mass 442	8599	15.1	(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
EF6644-IC6644	F157849.D	06/09/16	08:00	00:24	Initial cal 100
EF6644-IC6644	F157850.D	06/09/16	09:03	01:27	Initial cal 80
EF6644-IC6644	F157851.D	06/09/16	10:30	02:54	Initial cal 25
EF6644-ICC6644	F157852.D	06/09/16	10:58	03:22	Initial cal 50
EF6644-IC6644	F157853.D	06/09/16	11:27	03:51	Initial cal 10
EF6644-IC6644	F157854.D	06/09/16	11:56	04:20	Initial cal 5
EF6644-IC6644	F157855.D	06/09/16	12:25	04:49	Initial cal 2
EF6644-IC6644	F157856.D	06/09/16	12:53	05:17	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: EF6645-DFTPP
Lab File ID: F157857.D
Instrument ID: GCMSF
Injection Date: 06/09/16
Injection Time: 14:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	21547	34.7		Pass
68	Less than 2.0% of mass 69	360	0.58	(1.08) [a]	Pass
69	Mass 69 relative abundance	33466	53.9		Pass
70	Less than 2.0% of mass 69	152	0.24	(0.45) [a]	Pass
127	40.0 - 60.0% of mass 198	36600	58.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	62112	100.0		Pass
199	5.0 - 9.0% of mass 198	4099	6.60		Pass
275	10.0 - 30.0% of mass 198	12311	19.8		Pass
365	1.0 - 100.0% of mass 198	1488	2.40		Pass
441	Present, but less than mass 443	6727	10.8	(79.7) [b]	Pass
442	40.0 - 100.0% of mass 198	44568	71.8		Pass
443	17.0 - 23.0% of mass 442	8439	13.6	(18.9) [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
EF6645-IC6645	F157858.D	06/09/16	15:03	00:18	Initial cal 100
EF6645-IC6645	F157859.D	06/09/16	15:32	00:47	Initial cal 80
EF6645-ICC6645	F157860.D	06/09/16	16:01	01:16	Initial cal 50
EF6645-IC6645	F157861.D	06/09/16	16:31	01:46	Initial cal 25
EF6645-IC6645	F157862.D	06/09/16	17:00	02:15	Initial cal 10
EF6645-IC6645	F157863.D	06/09/16	17:29	02:44	Initial cal 5
EF6645-IC6645	F157864.D	06/09/16	17:58	03:13	Initial cal 2
EF6645-IC6645	F157865.D	06/09/16	18:27	03:42	Initial cal 1
EF6645-ICV6644	F157867.D	06/09/16	19:25	04:40	Initial cal verification 50
EF6645-ICV6645	F157868A.D	06/09/16	19:55	05:10	Initial cal verification 50
EF6645-ICV6644	F157868.D	06/09/16	19:55	05:10	Initial cal verification 50
EF6645-ICV6645	F157869A.D	06/09/16	20:23	05:38	Initial cal verification 50
EF6645-ICV6644	F157869.D	06/09/16	20:23	05:38	Initial cal verification 50
EF6645-ICV6644	F157870.D	06/09/16	20:52	06:07	Initial cal verification 50
EF6645-ICV6645	F157871A.D	06/09/16	21:21	06:36	Initial cal verification 50
EF6645-ICV6644	F157871.D	06/09/16	21:21	06:36	Initial cal verification 50
EF6645-ICV6645	F157872.D	06/09/16	21:50	07:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: EF6646-DFTPP
Lab File ID: F157879.D
Instrument ID: GCMSF
Injection Date: 06/10/16
Injection Time: 15:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	28359	30.9		Pass
68	Less than 2.0% of mass 69	230	0.25	(0.54) [a]	Pass
69	Mass 69 relative abundance	42621	46.4		Pass
70	Less than 2.0% of mass 69	276	0.30	(0.65) [a]	Pass
127	40.0 - 60.0% of mass 198	54685	59.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	91832	100.0		Pass
199	5.0 - 9.0% of mass 198	6577	7.16		Pass
275	10.0 - 30.0% of mass 198	19590	21.3		Pass
365	1.0 - 100.0% of mass 198	2162	2.35		Pass
441	Present, but less than mass 443	9182	10.00	(74.2) [b]	Pass
442	40.0 - 100.0% of mass 198	61503	67.0		Pass
443	17.0 - 23.0% of mass 442	12379	13.5	(20.1) [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
EF6646-ICV6644	F157880.D	06/10/16	16:09	00:15	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: EF6690-DFTPP
Lab File ID: F158969.D
Instrument ID: GCMSF
Injection Date: 07/15/16
Injection Time: 07:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	71454	35.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	110294	55.2		Pass
70	Less than 2.0% of mass 69	1755	0.88	(1.59) [a]	Pass
127	40.0 - 60.0% of mass 198	114573	57.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	199680	100.0		Pass
199	5.0 - 9.0% of mass 198	13312	6.67		Pass
275	10.0 - 30.0% of mass 198	43560	21.8		Pass
365	1.0 - 100.0% of mass 198	5218	2.61		Pass
441	Present, but less than mass 443	24560	12.3	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	159442	79.8		Pass
443	17.0 - 23.0% of mass 442	32114	16.1	(20.1) [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
EF6690-CC6644	F158970.D	07/15/16	07:51	00:12	Continuing cal 25
EF6690-CC6645	F158971.D	07/15/16	08:23	00:44	Continuing cal 25
EF6690-CC6644	F158972.D	07/15/16	08:52	01:13	Continuing cal 5
OP95566-MB1	F158973.D	07/15/16	09:21	01:42	Method Blank
OP95566-BS1	F158974.D	07/15/16	09:50	02:11	Blank Spike
OP95446-MB2	F158975.D	07/15/16	10:20	02:41	Method Blank
OP95575-MB1	F158975.D	07/15/16	10:20	02:41	Method Blank
OP95575-BS1	F158976.D	07/15/16	10:48	03:09	Blank Spike
OP95446-BS2	F158976.D	07/15/16	10:48	03:09	Blank Spike
OP95574-MB1	F158977.D	07/15/16	11:18	03:39	Method Blank
OP95574-BS1	F158978.D	07/15/16	11:47	04:08	Blank Spike
OP95563A-MB1	F159007.D	07/15/16	12:16	04:37	Method Blank
ZZZZZZ	F158979.D	07/15/16	12:45	05:06	(unrelated sample)
JC24003-2	F159008.D	07/15/16	13:17	05:38	OSGP1-GWD
ZZZZZZ	F158980.D	07/15/16	13:46	06:07	(unrelated sample)
ZZZZZZ	F158981.D	07/15/16	14:15	06:36	(unrelated sample)
ZZZZZZ	F158982.D	07/15/16	14:44	07:05	(unrelated sample)
ZZZZZZ	F158983.D	07/15/16	15:13	07:34	(unrelated sample)
OP95446-LB17	F158984A.D	07/15/16	15:58	08:19	Leachate Blank

Instrument Performance Check (DFTPP)

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Sample: EF6690-DFTPP
Lab File ID: F158969.D
Instrument ID: GCMSF
Injection Date: 07/15/16
Injection Time: 07:39

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JC24000-1A	F158985.D	07/15/16	16:27	08:48	(used for QC only; not part of job JC24003)
OP95575-LB26	F158986.D	07/15/16	16:57	09:18	Leachate Blank
OP95575-LS12	F158987.D	07/15/16	17:25	09:46	Leachate Spike
OP95575-MS	F158987.D	07/15/16	17:25	09:46	Matrix Spike
OP95575-MSD	F158988.D	07/15/16	17:54	10:15	Matrix Spike Duplicate
ZZZZZZ	F159009.D	07/15/16	18:23	10:44	(unrelated sample)
ZZZZZZ	F159010.D	07/15/16	18:53	11:14	(unrelated sample)
ZZZZZZ	F158989.D	07/15/16	19:21	11:42	(unrelated sample)
JC23935-1	F158990.D	07/15/16	19:50	12:11	(used for QC only; not part of job JC24003)
ZZZZZZ	F158991.D	07/15/16	20:19	12:40	(unrelated sample)
ZZZZZZ	F158992.D	07/15/16	20:48	13:09	(unrelated sample)
OP95566-MS	F158993.D	07/15/16	21:17	13:38	Matrix Spike
OP95566-MSD	F158994.D	07/15/16	21:46	14:07	Matrix Spike Duplicate
ZZZZZZ	F158995.D	07/15/16	22:14	14:35	(unrelated sample)
ZZZZZZ	F158996.D	07/15/16	22:43	15:04	(unrelated sample)
JC23997-1	F158997.D	07/15/16	23:12	15:33	(used for QC only; not part of job JC24003)
ZZZZZZ	F158998.D	07/15/16	23:41	16:02	(unrelated sample)
ZZZZZZ	F158999.D	07/16/16	00:10	16:31	(unrelated sample)
ZZZZZZ	F159000.D	07/16/16	00:39	17:00	(unrelated sample)
ZZZZZZ	F159001.D	07/16/16	01:07	17:28	(unrelated sample)
ZZZZZZ	F159002.D	07/16/16	01:36	17:57	(unrelated sample)
ZZZZZZ	F159003.D	07/16/16	02:05	18:26	(unrelated sample)
ZZZZZZ	F159004.D	07/16/16	02:33	18:54	(unrelated sample)
OP95574-MS	F159005.D	07/16/16	03:02	19:23	Matrix Spike
OP95574-MSD	F159006.D	07/16/16	03:30	19:51	Matrix Spike Duplicate

Semivolatile Internal Standard Area Summary

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Check Std:	E2P2663-CC2635	**Injection Date:**	07/14/16
Lab File ID:	2P60972.D	**Injection Time:**	09:13
Instrument ID:	GCMS2P	**Method:**	SW846 8270D 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	385935	4.43	1277538	5.49	933229	6.93	1740201	8.20	2143319	11.44	1938115	13.44
Upper Limit [a]	771870	4.93	2555076	5.99	1866458	7.43	3480402	8.70	4286638	11.94	3876230	13.94
Lower Limit [b]	192968	3.93	638769	4.99	466615	6.43	870101	7.70	1071660	10.94	969058	12.94

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
OP95518-MB1	397846	4.43	1473507	5.49	990451	6.93	1861479	8.20	2105601	11.43	1883123	13.43
OP95303-MB5	397846	4.43	1473507	5.49	990451	6.93	1861479	8.20	2105601	11.43	1883123	13.43
OP95518-BS1	391659	4.44	1314115	5.49	900812	6.93	1709575	8.20	1938594	11.44	1747383	13.44
OP95303-BS5	391659	4.44	1314115	5.49	900812	6.93	1709575	8.20	1938594	11.44	1747383	13.44
OP95518-LB19	455132	4.43	1622731	5.49	1104722	6.93	2054901	8.20	2323996	11.43	2156132	13.44
OP95518-LB20	397115	4.43	1370112	5.49	913881	6.93	1770779	8.20	2034205	11.43	1868055	13.44
OP95518-LB22	333711	4.43	1258936	5.49	837113	6.93	1541309	8.20	1783442	11.43	1641963	13.43
ZZZZZZ	433139	4.43	1497340	5.49	1010529	6.93	1924087	8.20	2229784	11.43	2086578	13.44
ZZZZZZ	390233	4.43	1410348	5.49	966680	6.93	1838055	8.20	2063194	11.43	1991645	13.44
OP95518-MS	400278	4.44	1304825	5.49	922220	6.94	1682108	8.20	1955607	11.44	1774296	13.44
OP95518-LS8	400278	4.44	1304825	5.49	922220	6.94	1682108	8.20	1955607	11.44	1774296	13.44
OP95518-MSD	307025	4.43	1026116	5.49	716378	6.93	1301515	8.20	1548952	11.44	1411185	13.44
OP95485-MS	304620	4.43	1002989	5.49	687072	6.93	1275913	8.20	1596723	11.44	1433396	13.44
OP95485-LS9	304620	4.43	1002989	5.49	687072	6.93	1275913	8.20	1596723	11.44	1433396	13.44
ZZZZZZ	389612	4.43	1404834	5.49	942849	6.93	1773359	8.20	2053131	11.43	1924276	13.44
JC23922-1A	388867	4.43	1411580	5.49	958912	6.93	1809493	8.20	2058516	11.43	1943456	13.44
ZZZZZZ	369545	4.44	1430794	5.49	955268	6.93	1835573	8.20	2013844	11.43	1826560	13.44
ZZZZZZ	484480	4.43	1837386	5.49	1196047	6.93	2165978	8.20	2377342	11.43	2182654	13.44
ZZZZZZ	340822	4.43	1202368	5.49	725695	6.93	1424271	8.20	1157681	11.43	896010*	13.44
OP95563A-MB1	354838	4.43	1336036	5.49	874197	6.93	1643856	8.20	1822266	11.43	1638569	13.44
JC24003-4	329477	4.43	1245800	5.49	796725	6.93	1492480	8.20	1697895	11.43	1512321	13.43
JC24003-3	343135	4.43	1211996	5.49	830902	6.93	1484574	8.20	1748123	11.43	1561031	13.44
ZZZZZZ	390717	4.43	1377988	5.49	819053	6.93	1563137	8.20	1149609	11.43	969251	13.44
JC20091-2B	336824	4.43	1223781	5.49	782278	6.93	1453978	8.20	1678010	11.43	1508752	13.44
ZZZZZZ	330886	4.43	1177302	5.49	757454	6.93	1469952	8.20	1538539	11.43	1393524	13.43

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: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Check Std:	E3P2511-CC2503	**Injection Date:**	07/14/16
Lab File ID:	3P55096.D	**Injection Time:**	09:52
Instrument ID:	GCMS3P	**Method:**	SW846 8270D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	80651	10.98	109331	13.96	171009	18.12	125504	22.68
Upper Limit [a]	161302	11.48	218662	14.46	342018	18.62	251008	23.18
Lower Limit [b]	40326	10.48	54666	13.46	85505	17.62	62752	22.18

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP95563A-MB1	66628	10.98	82200	13.96	119164	18.12	76601	22.68
OP95563A-BS12	60459	10.98	79926	13.96	117292	18.12	76465	22.68
OP95563A-BSD12	58984	10.98	78410	13.96	115538	18.12	72224	22.68
JC24003-1	69592	10.98	88144	13.96	130368	18.12	88563	22.68
JC24003-2	64022	10.98	81861	13.96	123597	18.12	86187	22.68
JC24003-3	74812	10.98	97680	13.96	148882	18.12	106593	22.68
JC24003-4	60430	10.98	72950	13.96	111636	18.12	80054	22.68
JC24003-5	64187	10.98	78573	13.96	120544	18.12	86937	22.68

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-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: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Check Std:	EF6690-CC6644	**Injection Date:**	07/15/16
Lab File ID:	F158970.D	**Injection Time:**	07:51
Instrument ID:	GCMSF	**Method:**	SW846 8270D 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	259450	4.79	1100578	5.71	635503	7.16	1008786	9.09	883147	14.45	803758	17.53
Upper Limit [a]	518900	5.29	2201156	6.21	1271006	7.66	2017572	9.59	1766294	14.95	1607516	18.03
Lower Limit [b]	129725	4.29	550289	5.21	317752	6.66	504393	8.59	441574	13.95	401879	17.03

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
OP95566-MB1	212171	4.78	878859	5.71	509775	7.16	794245	9.08	658349	14.42	590395	17.51
OP95566-BS1	213862	4.78	972309	5.71	514170	7.16	796054	9.09	674372	14.43	606663	17.51
OP95575-MB1	232350	4.78	965602	5.71	570761	7.16	894195	9.08	769178	14.42	700645	17.51
OP95446-MB2	232350	4.78	965602	5.71	570761	7.16	894195	9.08	769178	14.42	700645	17.51
OP95446-BS2	203363	4.78	915227	5.71	486532	7.16	741612	9.09	622847	14.43	558264	17.51
OP95575-BS1	203363	4.78	915227	5.71	486532	7.16	741612	9.09	622847	14.43	558264	17.51
OP95574-MB1	186545	4.78	775429	5.71	457169	7.16	710662	9.08	600941	14.42	548297	17.51
OP95574-BS1	192344	4.78	870414	5.71	468307	7.16	714597	9.09	604947	14.43	540943	17.51
OP95563A-MB1	228861	4.78	975626	5.71	577915	7.16	900130	9.08	753346	14.42	688341	17.51
ZZZZZZ	67046*	4.77	755697	5.91	567852	7.15	926701	9.08	786315	14.43	694721	17.51
JC24003-2	199047	4.78	834830	5.71	498358	7.16	790027	9.09	674669	14.43	619266	17.52
ZZZZZZ	239044	4.78	982557	5.71	576386	7.16	899910	9.09	807656	14.43	719258	17.52
ZZZZZZ	228362	4.78	950603	5.71	557308	7.16	880209	9.08	777154	14.43	695890	17.52
ZZZZZZ	235397	4.78	980557	5.71	562575	7.16	848727	9.08	677243	14.42	611073	17.51
ZZZZZZ	250309	4.78	1044370	5.71	606767	7.16	958092	9.08	829619	14.43	745407	17.52
OP95446-LB17	228032	4.79	934444	5.71	549787	7.17	845644	9.10	724787	14.45	655914	17.54
JC24000-1A	200421	4.78	832437	5.71	484363	7.16	765646	9.09	639683	14.43	573985	17.51
OP95575-LB26	216404	4.78	892853	5.71	520323	7.16	806391	9.08	666551	14.42	595899	17.51
OP95575-MS	211906	4.78	946323	5.71	487827	7.16	740498	9.09	611151	14.43	545222	17.51
OP95575-LS12	211906	4.78	946323	5.71	487827	7.16	740498	9.09	611151	14.43	545222	17.51
OP95575-MSD	225282	4.78	1012659	5.71	531377	7.16	818259	9.09	681065	14.44	605892	17.52
ZZZZZZ	184633	4.78	777969	5.71	455677	7.15	706209	9.08	593414	14.42	536177	17.51
ZZZZZZ	228964	4.78	950291	5.71	562618	7.16	879871	9.08	733888	14.42	656157	17.51
ZZZZZZ	249804	4.78	1045247	5.71	617592	7.15	958025	9.08	801209	14.42	715998	17.51
JC23935-1	259201	4.78	1090597	5.71	634234	7.15	987020	9.08	830474	14.43	744445	17.52
ZZZZZZ	229989	4.78	968813	5.71	564478	7.15	862258	9.08	714421	14.42	636977	17.51
ZZZZZZ	217686	4.78	919819	5.71	522329	7.16	804152	9.08	679106	14.43	609961	17.51
OP95566-MS	222473	4.78	985526	5.71	507557	7.16	754973	9.09	613105	14.43	555659	17.52
OP95566-MSD	243298	4.78	1087169	5.71	549329	7.16	809288	9.09	635843	14.44	577447	17.52
ZZZZZZ	217821	4.78	906956	5.71	525869	7.15	809826	9.08	678069	14.42	601626	17.51
ZZZZZZ	203387	4.78	835638	5.71	488037	7.15	763523	9.08	641486	14.42	565332	17.51
JC23997-1	246825	4.78	1012714	5.71	597168	7.16	923221	9.09	764583	14.43	680486	17.52
ZZZZZZ	269600	4.78	1099341	5.71	632848	7.16	957204	9.08	738883	14.43	673235	17.52
ZZZZZZ	235747	4.78	976217	5.71	570814	7.15	879414	9.09	741091	14.42	668326	17.52
ZZZZZZ	219500	4.78	911786	5.71	534641	7.15	817846	9.08	687698	14.43	618858	17.52

Semivolatile Internal Standard Area Summary

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Check Std:	EF6690-CC6644	**Injection Date:**	07/15/16
Lab File ID:	F158970.D	**Injection Time:**	07:51
Instrument ID:	GCMSF	**Method:**	SW846 8270D BY SIM

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT
ZZZZZZ	223393	4.78	923393	5.71	536492	7.16	828416	9.08	690225	14.42	624197	17.52
ZZZZZZ	238501	4.78	993003	5.71	578315	7.16	900323	9.08	750922	14.43	676608	17.52
ZZZZZZ	267499	4.78	1106166	5.71	629327	7.15	957567	9.08	762932	14.42	687049	17.52
ZZZZZZ	211289	4.78	873256	5.71	515047	7.16	809704	9.08	671665	14.42	599908	17.51
OP95574-MS	210514	4.78	950105	5.71	506685	7.16	770067	9.09	639263	14.43	559983	17.52
OP95574-MSD	206780	4.78	924770	5.71	478507	7.16	709426	9.09	576380	14.44	509746	17.52

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 Surrogate Recovery Summary

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR

Method: SW846 8270D BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JC24003-1	3P55100.D	67	64	65
JC24003-2	F159008.D	0* [a]	0* [a]	0* [a]
JC24003-2	3P55101.D	67	63	64
JC24003-3	2P60998.D	59	74	67
JC24003-3	3P55102.D	70	65	63
JC24003-4	2P60997.D	78	92	70
JC24003-4	3P55103.D	86	83	76
JC24003-5	3P55104.D	80	77	75
OP95563A-BS12	3P55098.D	80	71	76
OP95563A-BSD12	3P55099.D	83	73	79
OP95563A-MB1	3P55097.D	67	67	69
OP95563A-MB1	2P60994.D	74	81	72
OP95563A-MB1	F159007.D	85	74	80

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	24-125%
S2 = 2-Fluorobiphenyl	19-127%
S3 = Terphenyl-d14	10-119%

(a) Outside control limits due to dilution.

Initial Calibration Summary

Job Number: JC24003 **Sample:** E2P2635-ICC2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60424.D
Project: BMSMC, Building 5 Area, PR

Response Factor Report MS2P

Method : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Calibration Files
2 =2p60452.D 5 =2p60454.D 25 =2p60455.D 80 =2p60453.D
100 =2p60451.D 50 =2p60449.D 1 =2p60450.D 10 =2p60456.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------									
2) 1,4-Dioxane	0.474	0.462	0.488	0.558	0.554	0.461	0.471	0.457	0.491	8.47
3) Pyridine	1.056	1.146	1.246	1.330	1.355	1.328	1.023	1.169	1.207	10.63
4) N-Nitrosodim	0.652	0.640	0.693	0.771	0.771	0.757	0.640	0.667	0.699	8.34
5) 2-Fluorophen	1.290	1.350	1.374	1.490	1.544	1.466	1.332	1.361	1.401	6.31
6) Indene	2.291	2.261	2.060	2.134	2.138	2.180	2.384	2.119	2.196	4.88
7) Cumene	3.619	3.575	3.658	3.877	3.879	3.925	3.658	3.624	3.727	3.79
8) Phenol-d5	1.645	1.591	1.565	1.614	1.624	1.763	1.681	1.589	1.634	3.87
9) Phenol	1.794	1.697	1.615	1.611	1.677	1.799	1.804	1.650	1.706	4.82
10) Aniline	1.933	1.916	1.758	1.781	1.772	1.930	2.126	1.827	1.880	6.55
11) bis(2-Chloro	1.230	1.246	1.088	1.054	1.043	1.217	1.240	1.181	1.162	7.44
12) 2-Chlorophen	1.461	1.508	1.330	1.277	1.281	1.365	1.540	1.409	1.396	7.18
13) Decane	1.542	1.459	1.341	1.385	1.381	1.466	1.662	1.410	1.456	7.15
14) 1,3-Dichloro	1.759	1.681	1.571	1.543	1.518	1.543	1.844	1.660	1.640	7.14
15) 1,4-Dichloro	1.604	1.546	1.458	1.495	1.498	1.512	1.630	1.532	1.534	3.77
16) Benzyl alcoh	0.861	0.766	0.729	0.738	0.737	0.786	0.826	0.787	0.779	5.98
17) 1,2-Dichloro	1.574	1.449	1.394	1.396	1.396	1.429	1.557	1.465	1.457	4.92
18) Acetophenone	1.900	1.834	1.688	1.710	1.721	1.850	2.037	1.766	1.813	6.48
19) 2-Methylphen	1.147	1.159	0.996	0.991	0.990	1.072	1.179	1.093	1.078	7.34
20) 2,2'-oxybis(	0.396	0.376	0.344	0.340	0.335	0.369	0.471	0.379	0.376	11.64
21) 3&4-Methylph	1.300	1.232	1.072	1.121	1.157	1.171	1.392	1.159	1.200	8.62
22) n-Nitroso-di	0.979	0.923	0.819	0.832	0.839	0.931	1.073	0.860	0.907	9.68
23) Hexachloroet	0.602	0.617	0.545	0.528	0.521	0.537	0.696	0.578	0.578	10.25
24) I Naphthalene-d8	----------ISTD----------									
25) Nitrobenzene	0.437	0.439	0.405	0.414	0.414	0.424	0.479	0.415	0.428	5.53
26) Nitrobenzene	0.459	0.429	0.395	0.390	0.386	0.408	0.464	0.411	0.418	7.23
27) Quinoline	0.751	0.728	0.725	0.762	0.752	0.739	0.767	0.732	0.745	2.12
28) Isophorone	0.691	0.700	0.694	0.708	0.700	0.720	0.726	0.690	0.704	1.90
29) 2-Nitropheno	0.216	0.222	0.220	0.222	0.225	0.212	0.242	0.221	0.223	3.98
30) 2,4-Dimethyl	0.369	0.353	0.348	0.380	0.382	0.369	0.385	0.331	0.364	5.23
31) Benzoic acid	0.152	0.167	0.189	0.212	0.215	0.206		0.179	0.189	12.67
32) bis(2-Chloro	0.403	0.400	0.372	0.374	0.375	0.385	0.424	0.388	0.390	4.61
33) 2,4-Dichloro	0.337	0.349	0.330	0.346	0.347	0.317	0.365	0.341	0.341	4.17
34) 2,6-Dichloro	0.326	0.314	0.305	0.319	0.318	0.298	0.319	0.297	0.312	3.43
35) 1,3,5-Trichl	0.423	0.417	0.401	0.401	0.398	0.382	0.455	0.412	0.411	5.32
36) 1,2,4-Trichl	0.400	0.391	0.371	0.356	0.354	0.345	0.408	0.385	0.376	6.14
37) 1,2,3-Trichl	0.350	0.359	0.332	0.330	0.331	0.319	0.352	0.340	0.339	3.99
38) Naphthalene	1.043	1.017	0.989	1.035	1.035	1.001	1.073	1.001	1.024	2.69
39) 4-Chloroanil	0.459	0.445	0.422	0.438	0.446	0.416	0.450	0.425	0.438	3.43
40) 2,3-Dichloro	0.432	0.416	0.405	0.421	0.421	0.396	0.451	0.408	0.419	4.13
41) Caprolactam	0.106	0.111	0.108	0.115	0.115	0.115	0.123	0.113	0.113	4.78
42) Hexachlorobu	0.216	0.218	0.219	0.211	0.206	0.201	0.224	0.220	0.214	3.72
43) 4-Chloro-3-m	0.358	0.355	0.357	0.371	0.365	0.361	0.386	0.342	0.362	3.58
44) 2-Methylnaph	0.666	0.658	0.631	0.640	0.639	0.638	0.655	0.637	0.645	1.96
45) 1-Methylnaph	0.714	0.698	0.657	0.668	0.659	0.655	0.746	0.669	0.683	4.82

```
46) Dimethylnaph 0.690 0.673 0.625 0.651 0.640 0.609 0.695 0.642 0.653   4.69

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.034 0.083 0.195 0.267 0.269 0.211 0.021 0.128 0.151  65.59
            ----- Linear regression -----  Coefficient =  0.9913
              Response Ratio = -0.05752 + 0.27348 *A

49) 2,4,6-Trichl 0.408 0.398 0.370 0.346 0.336 0.356 0.416 0.385 0.377   7.85
50) 2,4,5-Trichl 0.390 0.406 0.394 0.353 0.337 0.373 0.435 0.398 0.386   8.01
51) 2-Fluorobiph 1.406 1.409 1.253 1.167 1.110 1.220 1.511 1.332 1.301  10.52
52) 2-Chloronaph 1.213 1.166 1.062 0.976 0.955 1.028 1.315 1.138 1.106  11.21
53) Biphenyl     1.600 1.572 1.485 1.433 1.385 1.449 1.629 1.518 1.509   5.71
54) 2-Nitroanili 0.450 0.456 0.414 0.423 0.411 0.450 0.499 0.422 0.441   6.69
55) Dimethylphth 1.384 1.357 1.289 1.257 1.234 1.277 1.404 1.337 1.317   4.72
56) Acenaphthyle 1.996 1.899 1.820 1.697 1.646 1.816 2.042 1.911 1.853   7.39
57) 2,6-Dinitrot 0.325 0.327 0.316 0.295 0.285 0.306 0.309 0.310 0.309   4.57
58) 3-Nitroanili 0.352 0.353 0.335 0.333 0.321 0.345 0.361 0.338 0.342   3.79
59) Acenaphthene 1.152 1.133 1.091 1.079 1.046 1.139 1.175 1.137 1.119   3.83
60) 2,4-Dinitrop 0.014 0.034 0.087 0.130 0.130 0.108       0.056 0.080  57.92
            ----- Linear regression -----  Coefficient =  0.9939
              Response Ratio = -0.03627 + 0.13533 *A

61) 4-Nitropheno 0.130 0.125 0.135 0.127 0.125 0.130 0.132 0.132 0.130   2.85
62) Dibenzofuran 1.636 1.638 1.615 1.571 1.512 1.631 1.692 1.668 1.621   3.48
63) 2,4-Dinitrot 0.394 0.408 0.404 0.365 0.363 0.396 0.423 0.408 0.395   5.33
64) 2,3,4,6-Tetr 0.214 0.244 0.254 0.269 0.253 0.246 0.249 0.236 0.246   6.54
65) Diethylphtha 1.405 1.368 1.356 1.280 1.248 1.347 1.456 1.373 1.354   4.86
66) Fluorene     1.388 1.346 1.322 1.213 1.129 1.298 1.382 1.368 1.306   7.00
67) 4-Chlorophen 0.668 0.694 0.643 0.582 0.544 0.622 0.671 0.673 0.637   8.09
68) 4-Nitroanili 0.342 0.333 0.308 0.299 0.285 0.305 0.343 0.313 0.316   6.67

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro- 0.071 0.089 0.108 0.123 0.120 0.108 0.049 0.097 0.096  26.59
            ----- Linear regression -----  Coefficient =  0.9976
              Response Ratio = -0.00545 + 0.12222 *A

71) n-Nitrosodip 0.535 0.528 0.482 0.471 0.462 0.469 0.554 0.500 0.500   6.98
72) 1,2-Diphenyl 0.810 0.773 0.707 0.743 0.736 0.751 0.841 0.736 0.762   5.77
73) 2,4,6-Tribro 0.114 0.108 0.111 0.117 0.113 0.106 0.113 0.108 0.111   3.34
74) 4-Bromopheny 0.252 0.253 0.245 0.244 0.240 0.234 0.239 0.242 0.244   2.62
75) Hexachlorobe 0.301 0.281 0.268 0.265 0.256 0.259 0.295 0.275 0.275   5.97
76) Pentachlorop 0.028 0.040 0.056 0.080 0.080 0.062 0.027 0.049 0.053  39.62
         ----- Quadratic regression -----                Coefficient =  0.9964
              Response Ratio = -0.00349 + 0.05297 *A + 0.00584 *A^2

77) Phenanthrene 1.069 1.009 0.997 1.019 1.000 1.026 1.065 1.015 1.025   2.70
78) Anthracene   1.089 1.047 1.031 1.003 1.001 1.013 1.096 1.036 1.039   3.51
79) Carbazole    1.091 1.062 1.031 1.026 1.007 1.040 1.074 1.036 1.046   2.65
80) Di-n-butylph 1.360 1.387 1.386 1.396 1.404 1.412 1.313 1.387 1.381   2.27
81) Fluoranthene 1.313 1.354 1.366 1.363 1.338 1.382 1.356 1.360 1.354   1.52
82) Octadecane   0.503 0.508 0.487 0.502 0.504 0.520 0.551 0.490 0.508   3.98

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.359 1.368 1.327 1.388 1.342 1.345 1.433 1.349 1.364   2.43
85) Terphenyl-d1 0.928 0.890 0.855 0.912 0.897 0.851 0.888 0.865 0.886   3.08
86) Butylbenzylp 0.595 0.630 0.637 0.692 0.683 0.651 0.588 0.625 0.638   5.86
87) Benzo[a]anth 1.322 1.248 1.237 1.315 1.284 1.232 1.424 1.239 1.288   5.08
88) 3,3'-Dichlor 0.515 0.496 0.503 0.494 0.473 0.495 0.506 0.497 0.498   2.42
89) Chrysene     1.041 1.016 1.013 1.078 1.041 1.023 1.035 1.015 1.033   2.08
90) bis(2-Ethylh 0.715 0.747 0.731 0.770 0.749 0.748 0.733 0.740 0.742   2.18
```

Initial Calibration Summary

Job Number: JC24003 **Sample:** E2P2635-ICC2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60424.D
Project: BMSMC, Building 5 Area, PR

```
 91) I   Perylene-d12          ----------------ISTD---------------------
 92) Di-n-octylph 1.685 1.665 1.694 1.808 1.782 1.798 1.656 1.642 1.717   3.98
 93) Benzo[b]fluo 1.428 1.407 1.349 1.347 1.342 1.338 1.416 1.377 1.376   2.66
 94) Benzo[k]fluo 1.260 1.283 1.145 1.069 1.050 1.182 1.289 1.170 1.181   7.81
 95) Benzo[a]pyre 1.199 1.174 1.152 1.170 1.155 1.150 1.175 1.151 1.166   1.47
 96) Indeno[1,2,3 1.023 0.999 1.070 1.166 1.197 1.055 1.040 1.030 1.073   6.62
 97) Dibenz(a,h)a 0.811 0.813 0.849 0.910 0.922 0.832 0.798 0.810 0.843   5.65
 98) Dibenz[a,h]a 0.850 0.827 0.862 0.929 0.956 0.846 0.834 0.850 0.869   5.39
 99) 7,12-Dimethy 0.537 0.524 0.590 0.633 0.627 0.635 0.510 0.556 0.576   8.94
100) Benzo[g,h,i] 0.827 0.830 0.862 0.966 0.963 0.848 0.825 0.829 0.869   6.96
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M2P2635.M         Mon Jun 27 16:19:22 2016   RPT1
```

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2636-ICV2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60442.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2636\2p60442.D          Vial: 11
Acq On    : 23 Jun 2016   8:44 pm                   Operator: robertl1
Sample    : ICV2635-50                              Inst    : MS2P
Misc      : op94957,e2p2636                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	99	0.00	4.57
2	t	1,4-Dioxane	0.491	0.537	-9.4	115	0.00	1.83
6	t	Indene	2.196	2.444	-11.3	111	0.00	4.79
7	t	Cumene	3.727	3.782	-1.5	95	0.00	3.89
13	t	Decane	1.456	1.533	-5.3	103	0.00	4.44
18	t	Acetophenone	1.813	1.877	-3.5	100	0.00	4.92
24	I	Naphthalene-d8	1.000	1.000	0.0	104	-0.01	5.63
27	t	Quinoline	0.745	0.623	16.4	88	0.00	5.93
40	t	2,3-Dichloroaniline	0.419	0.291	30.5#	76	0.00	6.46
41	t	Caprolactam	0.113	0.097	14.2	88	0.01	5.99
45	t	1-Methylnaphthalene	0.683	0.634	7.2	101	0.00	6.30
46	t	Dimethylnaphthalene	0.653	0.623	4.6	106	0.00	6.73
47	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00	7.08
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	94.060	5.9	94	0.00	6.34
		----------	AvgRF	CCRF	% Dev	----------		
53	t	Biphenyl	1.509	1.592	-5.5	104	0.00	6.61
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	78.214	21.8	68	-0.01	7.16
69	I	Phenanthrene-d10	1.000	1.000	0.0	89	-0.01	8.37
82	t	Octadecane	0.508	0.581	-14.4	100	0.00	8.26
83	I	Chrysene-d12	1.000	1.000	0.0	101	-0.02	11.65
91	I	Perylene-d12	1.000	1.000	0.0	87	-0.02	13.66
99	t	7,12-Dimethylbenz(a)anthr	0.576	0.777	-34.9#	106	0.00	13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Copy of 2p60449.D M2P2635.M Mon Jun 27 15:44:02 2016 RPT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2636-ICV2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60443.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2636\2p60443.D          Vial: 12
Acq On    : 23 Jun 2016   9:08 pm                   Operator: robertl1
Sample    : ICV2635-50                              Inst    : MS2P
Misc      : op94957,e2p2636                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	130	0.00	4.57
5	S	2-Fluorophenol	1.401	1.142	18.5	101	0.00	3.50
8	S	Phenol-d5	1.634	1.360	16.8	100	0.00	4.33
24	I	Naphthalene-d8	1.000	1.000	0.0	133	-0.01	5.63
25	S	Nitrobenzene-d5	0.428	0.381	11.0	120	0.00	5.04
47	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00	7.08
51	S	2-Fluorobiphenyl	1.301	1.307	-0.5	138	0.00	6.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	-0.01	8.37
73	S	2,4,6-Tribromophenol	0.111	0.110	0.9	129	0.00	7.74
83	I	Chrysene-d12	1.000	1.000	0.0	124	-0.01	11.65
85	S	Terphenyl-d14	0.886	0.757	14.6	110	0.00	10.21
91	I	Perylene-d12	1.000	1.000	0.0	131	-0.01	13.67

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 Copy of 2p60449.D M2P2635.M       Mon Jun 27 15:44:04 2016   RPT1
```

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2636-ICV2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60444.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2636\2p60444.D          Vial: 13
Acq On    : 23 Jun 2016   9:31 pm                   Operator: robertl1
Sample    : ICV2635-50                              Inst    : MS2P
Misc      : op94957,e2p2636                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	112	0.00	4.58
3	t	Pyridine	1.207	1.118	7.4	94	0.12	2.31
10		Aniline	1.880	1.789	4.8	103	0.01	4.32
16	t	Benzyl alcohol	0.779	0.731	6.2	104	0.00	4.72
24	I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	5.63
39	t	4-Chloroaniline	0.438	0.366	16.4	105	0.00	5.71
44	t	2-Methylnaphthalene	0.645	0.526	18.4	99	0.00	6.22
47	I	Acenaphthene-d10	1.000	1.000	0.0	112	-0.01	7.07
54	t	2-Nitroaniline	0.441	0.360	18.4	90	0.00	6.72
58	t	3-Nitroaniline	0.342	0.287	16.1	93	0.00	7.07
62	t	Dibenzofuran	1.621	1.460	9.9	100	0.00	7.25
68	t	4-Nitroaniline	0.316	0.259	18.0	95	0.00	7.57
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	-0.01	8.37
79	t	Carbazole	1.046	0.836	20.1	91	0.00	8.62
83	I	Chrysene-d12	1.000	1.000	0.0	112	-0.02	11.65
91	I	Perylene-d12	1.000	1.000	0.0	111	-0.02	13.66

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 Copy of 2p60449.D M2P2635.M       Mon Jun 27 15:44:06 2016   RPT1
```

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2636-ICV2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60445.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2636\2p60445.D          Vial: 14
Acq On    : 23 Jun 2016   9:55 pm                   Operator: robertl1
Sample    : ICV2635-50                              Inst    : MS2P
Misc      : op94957,e2p2636                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	117	0.00	4.57
9	t	Phenol	1.706	1.465	14.1	96	-0.01	4.34
12	t	2-Chlorophenol	1.396	1.294	7.3	111	0.00	4.41
19	t	2-Methylphenol	1.078	1.049	2.7	115	0.00	4.83
21	t	3&4-Methylphenol	1.200	1.084	9.7	109	0.00	4.96
24	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	5.63
29	t	2-Nitrophenol	0.223	0.207	7.2	104	0.00	5.32
30	t	2,4-Dimethylphenol	0.364	0.395	-8.5	114	0.00	5.39
31	t	Benzoic acid	0.189	0.187	1.1	96	0.04	5.53
33	t	2,4-Dichlorophenol	0.341	0.309	9.4	103	-0.01	5.54
34	t	2,6-Dichlorophenol	0.312	0.293	6.1	104	0.00	5.71
43	t	4-Chloro-3-methylphenol	0.362	0.336	7.2	99	0.00	6.14
47	I	Acenaphthene-d10	1.000	1.000	0.0	119	-0.01	7.07
49	t	2,4,6-Trichlorophenol	0.377	0.361	4.2	120	-0.01	6.47
50	t	2,4,5-Trichlorophenol	0.386	0.337	12.7	107	-0.01	6.51
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	81.650	18.3	90	-0.01	7.16
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.130	0.151	-16.2	138	-0.02	7.25
64		2,3,4,6-Tetrachlorophenol	0.246	0.257	-4.5	124	-0.01	7.36
69	I	Phenanthrene-d10	1.000	1.000	0.0	112	-0.01	8.37
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	46.083	7.8	112	-0.01	7.59
		----------	True	Calc.	% Drift	----------		
76	t	Pentachlorophenol	100.000	100.974	1.0	106	-0.01	8.20
83	I	Chrysene-d12	1.000	1.000	0.0	116	-0.02	11.65
91	I	Perylene-d12	1.000	1.000	0.0	127	-0.02	13.66

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 Copy of 2p60449.D M2P2635.M        Mon Jun 27 15:44:08 2016   RPT1
```

Initial Calibration Summary

Job Number: JC24003 **Sample:** E2P2637-ICC2637
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60449.D
Project: BMSMC, Building 5 Area, PR

```
                          Response Factor Report  MS2P

  Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
  Title        : Semi Volatile Extractables by GC/MS
  Last Update  : Fri Jun 24 16:16:03 2016
  Response via : Initial Calibration

  Calibration Files
  2   =2p60452.D  5   =2p60454.D  25  =2p60455.D  80  =2p60453.D
  100 =2p60451.D  50  =2p60449.D  1   =2p60450.D  10  =2p60456.D

   Compound          2     5     25    80    100   50    1     10    Avg %RSD
   -------------------------------------------------------------------------------
101) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
102) Benzaldehyde 1.003 1.035 0.955 0.744       0.801 0.980 0.892 0.916  11.85

103) I   Naphthalene-d8a       ----------------ISTD---------------------
104) Hydroquinone       0.232 0.306 0.298 0.297 0.298       0.226 0.276  13.25

105) I   Acenaphthene-d10a     ----------------ISTD---------------------
106) Atrazine     0.183 0.198 0.181 0.192 0.186 0.183 0.178 0.167 0.183   5.07
107) 1,2,4,5-Tetr 0.621 0.656 0.610 0.614 0.623 0.589 0.665 0.591 0.621   4.44

108) I   Chrysene-d12a         ----------------ISTD---------------------
109) Benzidine    0.292 0.352 0.393 0.371 0.331 0.462 0.356 0.430 0.373  14.52

110) I   Phenanthrene-d10a     ----------------ISTD---------------------
111) 1-chloroocta 0.299 0.309 0.285 0.310 0.324 0.306 0.282 0.281 0.300   5.28
112) O-terphenyl  0.611 0.603 0.533 0.576 0.586 0.565 0.575 0.521 0.571   5.48

113) I   Chrysene-d12b         ----------------ISTD---------------------
114) 2,3,7,8-TCDD                                                0.000# -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2P2635.M         Mon Jun 27 09:04:53 2016   RPT1
```

Initial Calibration Verification

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Sample: E2P2637-ICV2637
Lab FileID: 2P60458.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2637\2p60458.D          Vial: 11
Acq On    : 24 Jun 2016   2:47 pm                   Operator: robertl1
Sample    : ICV2637-50                              Inst    : MS2P
Misc      : op94957,e2p2637                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
103 I	Naphthalene-d8a	1.000	1.000	0.0	86	0.00	5.63
104	Hydroquinone	0.276	0.297	-7.6	86	0.01	6.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Copy of 2p60449.D M2P2635.M Mon Jun 27 15:48:54 2016 RPT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2637-ICV2637
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60459.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2637\2p60459.D          Vial: 12
Acq On    : 24 Jun 2016   3:11 pm                   Operator: robertl1
Sample    : ICV2637-50                              Inst    : MS2P
Misc      : op94957,e2p2637                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	72	0.00	4.57
103 I	Naphthalene-d8a	1.000	1.000	0.0	67	0.00	5.63
105 I	Acenaphthene-d10a	1.000	1.000	0.0	70	0.00	7.08
107	1,2,4,5-Tetrachlorobenzen	0.621	0.688	-10.8	82	0.00	6.36
108 I	Chrysene-d12a	1.000	1.000	0.0	72	-0.01	11.65
109	Benzidine	0.373	0.426	-14.2	67	0.00	9.90
110 I	Phenanthrene-d10a	1.000	1.000	0.0	75	-0.01	8.37
113 I	Chrysene-d12b	1.000	1.000	0.0	72	-0.01	11.65

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 Copy of 2p60449.D M2P2635.M        Mon Jun 27 15:48:56 2016   RPT1
```

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2638-ICV2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60462.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P2638\2p60462.D Vial: 2
Acq On : 24 Jun 2016 5:24 pm Operator: robertl1
Sample : ICV2635-50 Inst : MS2P
Misc : op94957,e2p2638 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	100	-0.02	4.56
4	t	N-Nitrosodimethylamine	0.699	0.458	34.5#	61	-0.03	2.13
11	t	bis(2-Chloroethyl)ether	1.162	1.145	1.5	94	-0.01	4.35
14	t	1,3-Dichlorobenzene	1.640	1.634	0.4	106	-0.01	4.51
15	t	1,4-Dichlorobenzene	1.534	1.490	2.9	99	-0.01	4.58
17	t	1,2-Dichlorobenzene	1.457	1.381	5.2	97	-0.01	4.70
20	t	2,2'-oxybis(1-Chloropropa	0.376	0.341	9.3	92	-0.02	4.80
22	t	n-Nitroso-di-n-propylamin	0.907	0.796	12.2	86	-0.01	4.91
23	t	Hexachloroethane	0.578	0.581	-0.5	108	-0.01	4.97
24	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.02	5.62
26	t	Nitrobenzene	0.418	0.366	12.4	84	-0.01	5.05
28	t	Isophorone	0.704	0.669	5.0	87	-0.01	5.25
32	t	bis(2-Chloroethoxy)methan	0.390	0.383	1.8	93	-0.01	5.43
36	t	1,2,4-Trichlorobenzene	0.376	0.381	-1.3	103	-0.01	5.58
38	t	Naphthalene	1.024	0.976	4.7	91	-0.01	5.64
42	t	Hexachlorobutadiene	0.214	0.230	-7.5	107	-0.01	5.73
47	I	Acenaphthene-d10	1.000	1.000	0.0	92	-0.02	7.07
52	t	2-Chloronaphthalene	1.106	1.212	-9.6	108	-0.02	6.61
55	t	Dimethylphthalate	1.317	1.296	1.6	93	0.00	6.86
56	t	Acenaphthylene	1.853	1.682	9.2	85	-0.01	6.95
57	t	2,6-Dinitrotoluene	0.309	0.282	8.7	84	0.00	6.92
59	t	Acenaphthene	1.119	1.104	1.3	89	-0.01	7.09
63	t	2,4-Dinitrotoluene	0.395	0.370	6.3	86	0.00	7.25
65	t	Diethylphthalate	1.354	1.293	4.5	88	0.00	7.43
66	t	Fluorene	1.306	1.262	3.4	89	-0.01	7.52
67	t	4-Chlorophenyl-phenylethe	0.637	0.627	1.6	92	-0.01	7.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.02	8.35
71	t	n-Nitrosodiphenylamine	0.500	0.436	12.8	87	-0.01	7.63
72	t	1,2-Diphenylhydrazine	0.762	0.606	20.5	75	-0.01	7.65
74	t	4-Bromophenyl-phenylether	0.244	0.227	7.0	91	-0.01	7.94
75	t	Hexachlorobenzene	0.275	0.243	11.6	88	-0.02	7.99
77	t	Phenanthrene	1.025	0.953	7.0	87	-0.01	8.38
78	t	Anthracene	1.039	0.903	13.1	83	-0.02	8.43
80	t	Di-n-butylphthalate	1.381	1.223	11.4	81	-0.02	8.98
81	t	Fluoranthene	1.354	1.177	13.1	80	-0.02	9.69
83	I	Chrysene-d12	1.000	1.000	0.0	82	-0.03	11.64
84	t	Pyrene	1.364	1.278	6.3	78	-0.02	9.97
86	t	Butylbenzylphthalate	0.638	0.603	5.5	76	-0.02	10.90

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2638-ICV2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60462.D
Project: BMSMC, Building 5 Area, PR

87	t	Benzo[a]anthracene	1.288	1.160	9.9	77	-0.03	11.62
88	t	3,3'-Dichlorobenzidine	0.498	0.628	-26.1	104	-0.02	11.63
89	t	Chrysene	1.033	0.931	9.9	75	-0.02	11.68
90	t	bis(2-Ethylhexyl)phthalat	0.742	0.701	5.5	77	-0.02	11.77
91	I	Perylene-d12	1.000	1.000	0.0	76	-0.03	13.64
92	t	Di-n-octylphthalate	1.717	1.736	-1.1	73	-0.02	12.71
93	t	Benzo[b]fluoranthene	1.376	1.228	10.8	70	-0.02	13.14
94	t	Benzo[k]fluoranthene	1.181	1.133	4.1	73	-0.02	13.18
95	t	Benzo[a]pyrene	1.166	1.072	8.1	71	-0.02	13.57
96	t	Indeno[1,2,3-cd]pyrene	1.073	1.111	-3.5	80	-0.03	15.04
98	t	Dibenz[a,h]anthracene	0.869	0.880	-1.3	79	-0.03	15.07
100	t	Benzo[g,h,i]perylene	0.869	0.898	-3.3	80	-0.02	15.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Copy of 2p60449.D M2P2635.M Mon Jun 27 15:53:51 2016 RPT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** E2P2638-ICV2637
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60463.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2638\2p60463.D          Vial: 3
Acq On    : 24 Jun 2016   5:48 pm                   Operator: robertl1
Sample    : ICV2637-50                              Inst    : MS2P
Misc      : op94957,e2p2638                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	73	-0.02	4.56
102	Benzaldehyde	0.916	1.058	-15.5	96	-0.01	4.20
103 I	Naphthalene-d8a	1.000	1.000	0.0	75	-0.02	5.62
105 I	Acenaphthene-d10a	1.000	1.000	0.0	72	-0.02	7.07
106	Atrazine	0.183	0.190	-3.8	74	0.00	8.11
108 I	Chrysene-d12a	1.000	1.000	0.0	76	-0.03	11.63
110 I	Phenanthrene-d10a	1.000	1.000	0.0	71	-0.02	8.35
113 I	Chrysene-d12b	1.000	1.000	0.0	76	-0.03	11.63

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 Copy of 2p60449.D M2P2635.M        Mon Jun 27 15:53:55 2016   RPT1
```

Continuing Calibration Summary

Job Number: JC24003 **Sample:** E2P2663-CC2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60972.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P2663\2p60972.D Vial: 2
Acq On : 14 Jul 2016 9:13 am Operator: robertl1
Sample : CC2635-50 Inst : MS2P
Misc : op95439,e2p2663 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	-0.03	4.43
2	t	1,4-Dioxane	0.491	0.562	-14.5	107	-0.12	1.67
3	t	Pyridine	1.207	1.240	-2.7	82	-0.13	2.00
4	t	N-Nitrosodimethylamine	0.699	0.682	2.4	79	-0.13	1.98
5	S	2-Fluorophenol	1.401	1.250	10.8	75	-0.06	3.35
6	t	Indene	2.196	2.035	7.3	82	-0.02	4.65
7	t	Cumene	3.727	3.491	6.3	78	-0.05	3.74
8	S	Phenol-d5	1.634	1.498	8.3	74	0.00	4.20
9	t	Phenol	1.706	1.570	8.0	76	-0.03	4.21
10		Aniline	1.880	1.800	4.3	81	-0.03	4.17
11	t	bis(2-Chloroethyl)ether	1.162	0.971	16.4	70	-0.02	4.24
12	t	2-Chlorophenol	1.396	1.338	4.2	86	-0.03	4.28
13	t	Decane	1.456	1.073	26.3#	64	-0.03	4.31
14	t	1,3-Dichlorobenzene	1.640	1.513	7.7	86	-0.03	4.39
15	t	1,4-Dichlorobenzene	1.534	1.493	2.7	86	-0.03	4.45
16	t	Benzyl alcohol	0.779	0.712	8.6	79	-0.01	4.58
17	t	1,2-Dichlorobenzene	1.457	1.415	2.9	87	-0.02	4.57
18	t	Acetophenone	1.813	1.683	7.2	79	0.00	4.79
19	t	2-Methylphenol	1.078	1.001	7.1	82	-0.02	4.70
20	t	2,2'-oxybis(1-Chloropropa	0.376	0.341	9.3	81	-0.02	4.68
21	t	3&4-Methylphenol	1.200	1.049	12.6	78	-0.01	4.83
22	t	n-Nitroso-di-n-propylamin	0.907	0.737	18.7	69	0.00	4.80
23	t	Hexachloroethane	0.578	0.638	-10.4	104	-0.02	4.85
24	I	Naphthalene-d8	1.000	1.000	0.0	82	-0.03	5.49
25	S	Nitrobenzene-d5	0.428	0.378	11.7	73	-0.02	4.92
26	t	Nitrobenzene	0.418	0.361	13.6	72	-0.02	4.93
27	t	Quinoline	0.745	0.747	-0.3	82	0.00	5.80
28	t	Isophorone	0.704	0.646	8.2	73	-0.01	5.13
29	t	2-Nitrophenol	0.223	0.236	-5.8	91	-0.02	5.19
30	t	2,4-Dimethylphenol	0.364	0.403	-10.7	89	-0.02	5.26
31	t	Benzoic acid	0.189	0.260	-37.6#	103	0.06	5.42
32	t	bis(2-Chloroethoxy)methan	0.390	0.335	14.1	71	-0.02	5.32
33	t	2,4-Dichlorophenol	0.341	0.377	-10.6	97	-0.03	5.41
34	t	2,6-Dichlorophenol	0.312	0.373	-19.6	102	-0.02	5.58
35		1,3,5-Trichlorobenzene	0.411	0.461	-12.2	98	-0.03	5.19
36	t	1,2,4-Trichlorobenzene	0.376	0.404	-7.4	95	-0.02	5.45
37		1,2,3-Trichlorobenzene	0.339	0.374	-10.3	96	-0.02	5.63
38	t	Naphthalene	1.024	1.020	0.4	83	-0.03	5.51
39	t	4-Chloroaniline	0.438	0.424	3.2	83	-0.01	5.58
40	t	2,3-Dichloroaniline	0.419	0.458	-9.3	94	0.00	6.32
41	t	Caprolactam	0.113	0.112	0.9	80	0.05	5.91

Continuing Calibration Summary

Job Number: JC24003 **Sample:** E2P2663-CC2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60972.D
Project: BMSMC, Building 5 Area, PR

42	t	Hexachlorobutadiene	0.214	0.282	-31.8#	115	-0.02	5.61
43	t	4-Chloro-3-methylphenol	0.362	0.388	-7.2	88	0.00	6.02
44	t	2-Methylnaphthalene	0.645	0.679	-5.3	87	-0.01	6.08
45	t	1-Methylnaphthalene	0.683	0.718	-5.1	90	0.00	6.16
46	t	Dimethylnaphthalene	0.653	0.768	-17.6	103	0.00	6.59
47	I	Acenaphthene-d10	1.000	1.000	0.0	100	-0.03	6.93
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	81.281	18.7	94	-0.03	6.20
		----------	AvgRF	CCRF	% Dev	----------		
49	t	2,4,6-Trichlorophenol	0.377	0.408	-8.2	115	-0.03	6.34
50	t	2,4,5-Trichlorophenol	0.386	0.402	-4.1	108	-0.02	6.39
51	S	2-Fluorobiphenyl	1.301	1.258	3.3	103	-0.03	6.39
52	t	2-Chloronaphthalene	1.106	0.998	9.8	97	-0.03	6.48
53	t	Biphenyl	1.509	1.346	10.8	93	-0.02	6.47
54	t	2-Nitroaniline	0.441	0.355	19.5	79	-0.01	6.59
55	t	Dimethylphthalate	1.317	1.293	1.8	101	0.00	6.73
56	t	Acenaphthylene	1.853	1.679	9.4	92	-0.02	6.82
57	t	2,6-Dinitrotoluene	0.309	0.297	3.9	97	0.00	6.79
58	t	3-Nitroaniline	0.342	0.291	14.9	84	0.00	6.94
59	t	Acenaphthene	1.119	1.039	7.1	91	-0.02	6.96
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	67.953	32.0#	72	0.00	7.04
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.130	0.156	-20.0	120	0.00	7.13
62	t	Dibenzofuran	1.621	1.595	1.6	98	-0.01	7.11
63	t	2,4-Dinitrotoluene	0.395	0.388	1.8	98	0.00	7.13
64		2,3,4,6-Tetrachlorophenol	0.246	0.296	-20.3#	120	-0.02	7.23
65	t	Diethylphthalate	1.354	1.310	3.2	97	0.00	7.31
66	t	Fluorene	1.306	1.313	-0.5	101	-0.01	7.39
67	t	4-Chlorophenyl-phenylethe	0.637	0.748	-17.4	120	-0.01	7.39
68	t	4-Nitroaniline	0.316	0.259	18.0	85	0.01	7.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	105	-0.03	8.20
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	39.942	20.1#	90	0.00	7.48
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.500	0.442	11.6	99	0.00	7.50
72	t	1,2-Diphenylhydrazine	0.762	0.614	19.4	85	-0.01	7.52
73	S	2,4,6-Tribromophenol	0.111	0.109	1.8	108	-0.01	7.59
74	t	4-Bromophenyl-phenylether	0.244	0.259	-6.1	116	-0.01	7.80
75	t	Hexachlorobenzene	0.275	0.296	-7.6	120	-0.02	7.85
		----------	True	Calc.	% Drift	----------		
76	t	Pentachlorophenol	100.000	55.463	44.5#	55	-0.02	8.05
		----------	AvgRF	CCRF	% Dev	----------		
77	t	Phenanthrene	1.025	1.023	0.2	104	-0.02	8.23
78	t	Anthracene	1.039	1.012	2.6	105	-0.03	8.27
79	t	Carbazole	1.046	0.977	6.6	98	-0.02	8.46
80	t	Di-n-butylphthalate	1.381	1.297	6.1	96	-0.02	8.82
81	t	Fluoranthene	1.354	1.450	-7.1	110	-0.03	9.51
82	t	Octadecane	0.508	0.437	14.0	88	-0.02	8.11

Continuing Calibration Summary

Job Number: JC24003 **Sample:** E2P2663-CC2635
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60972.D
Project: BMSMC, Building 5 Area, PR

83	I	Chrysene-d12	1.000	1.000	0.0	126	-0.03	11.44
84	t	Pyrene	1.364	1.142	16.3	107	-0.03	9.78
85	S	Terphenyl-d14	0.886	0.802	9.5	119	-0.04	10.01
86	t	Butylbenzylphthalate	0.638	0.517	19.0	100	-0.03	10.70
87	t	Benzo[a]anthracene	1.288	1.240	3.7	127	-0.03	11.42
88	t	3,3'-Dichlorobenzidine	0.498	0.472	5.2	120	-0.02	11.42
89	t	Chrysene	1.033	0.975	5.6	120	-0.02	11.48
90	t	bis(2-Ethylhexyl)phthalat	0.742	0.620	16.4	105	-0.02	11.56
91	I	Perylene-d12	1.000	1.000	0.0	141	-0.22	13.44
92	t	Di-n-octylphthalate	1.717	1.392	18.9	109	-0.20	12.51
93	t	Benzo[b]fluoranthene	1.376	1.299	5.6	137	-0.23	12.94
94	t	Benzo[k]fluoranthene	1.181	1.124	4.8	134	-0.22	12.98
95	t	Benzo[a]pyrene	1.166	1.217	-4.4	149	-0.22	13.37
96	t	Indeno[1,2,3-cd]pyrene	1.073	1.439	-34.1#	193	-0.26	14.80
97	t	Dibenz(a,h)acridine	0.843	1.144	-35.7#	194	-0.25	14.51
98	t	Dibenz[a,h]anthracene	0.869	1.172	-34.9#	196	-0.27	14.82
99	t	7,12-Dimethylbenz(a)anthr	0.576	0.652	-13.2	145	-0.22	12.92
100	t	Benzo[g,h,i]perylene	0.869	1.203	-38.4#	200	-0.29	15.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Copy of 2p60449.D M2P2635.M Thu Jul 14 11:37:42 2016 RPT1

Continuing Calibration Summary

Job Number: JC24003 **Sample:** E2P2663-CC2637
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 2P60973.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\2P2663\2p60973.D          Vial: 3
Acq On    : 14 Jul 2016   9:45 am                   Operator: robertl1
Sample    : CC2637-50                               Inst    : MS2P
Misc      : op95439,e2p2663                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M2P2635.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jun 27 15:32:55 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
101	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	74	-0.10	4.43
102		Benzaldehyde	0.916	0.876	4.4	81	-0.09	4.08
103	I	Naphthalene-d8a	1.000	1.000	0.0	75	-0.10	5.49
104		Hydroquinone	0.276	0.309	-12.0	78	-0.06	5.92
105	I	Acenaphthene-d10a	1.000	1.000	0.0	83	-0.10	6.93
106		Atrazine	0.183	0.240	-31.1#	109	-0.08	7.97
107		1,2,4,5-Tetrachlorobenzen	0.621	0.720	-15.9	101	-0.10	6.22
108	I	Chrysene-d12a	1.000	1.000	0.0	109	-0.16	11.43
109		Benzidine	0.373	0.290	22.3#	68	-0.12	9.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Copy of 2p60449.D M2P2635.M Thu Jul 14 11:37:45 2016 RPT1

Initial Calibration Summary

Job Number: JC24003 **Sample:** E3P2503-ICC2503
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 3P54955.D
Project: BMSMC, Building 5 Area, PR

Response Factor Report MSGC3P

Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration

Calibration Files
2.5 =3p54962.D 1.0 =3p54955.D 0.5 =3p54963.D 0.2 =3p54960.D
0.1 =3p54959.D 0.05=3p54958.D 0.02=3p54957.D 0.01=3p54956.D
5 =3p54961.D = = =

Compound

	2.5	1.0	0.5	0.2	0.1	0.05	0.02	0.01	5	Avg	%RSD
1) I 1-Methylnaphthalene-d ----------ISTD----------											
2) 1,4-dioxane	0.382	0.421	0.347	0.441	0.420				0.405	0.403	8.35
3) 2-Fluorophenol	0.512	0.597	0.571	0.766	0.707	0.723				0.646	15.53
4) Phenol-d5	0.671	0.755	0.766	1.020	0.970	1.006				0.864	17.51
5) Phenol	0.597	0.667	0.679	0.971	0.963	1.027	1.074			0.854	23.21
---- Quadratic regression ---- Coefficient = 0.9989											
Response Ratio = 0.03088 + 0.67965 *A + -0.02976 *A^2											
6) bis(2-Chloroethyl)ether	0.595	0.584	0.579	0.764	0.755	0.802	0.872	0.860	0.606	0.713	17.12
7) Nitrobenzene-d5	0.561	0.604	0.634	0.771	0.716	0.746			0.520	0.650	14.77
8) Nitrobenzene	0.583	0.612	0.655	0.921	0.836					0.722	20.62
9) Naphthalene	2.445	2.304	2.285	2.831	2.717	2.851	2.919	2.937	2.376	2.629	10.40
10) Hexachlorobutadiene	0.390	0.364	0.376	0.476	0.467	0.513	0.590		0.386	0.445	18.00
11) 2-Methylnaphthalene	1.325	1.190	1.285	1.636	1.411	1.822			1.232	1.414	16.42
12) 1-Methylnaphthalene	1.114	1.016	1.011	1.212	1.094	1.106	1.120	1.252	1.082	1.112	7.14
13) Hexachlorocyclopentadiene	0.312	0.265	0.221	0.205	0.169				0.354	0.254	27.34
---- Quadratic regression ---- Coefficient = 0.9999											
Response Ratio = -0.00964 + 0.27470 *A + 0.03325 *A^2											
14) I Fluorene-d10 ----------ISTD----------											
15) 2-Fluorobiphenyl	0.634	0.835	0.922	1.138	1.054	1.090	1.125	1.076		0.984	17.87
16) Acenaphthylene	1.420	1.327	1.446	1.509	1.319	1.483	1.399		1.385	1.411	4.83
17) Acenaphthene	0.817	0.847	0.879	0.964	0.894	0.943	0.936	0.995	0.767	0.893	8.29
18) 4,6-dinitro-2-methylphenol	0.098	0.061	0.050	0.048	0.028				0.133	0.070	55.52
---- Quadratic regression ---- Coefficient = 0.9996											
Response Ratio = -0.00883 + 0.06278 *A + 0.01142 *A^2											

Initial Calibration Summary

Job Number: JC24003 **Sample:** E3P2503-ICC2503
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 3P54955.D
Project: BMSMC, Building 5 Area, PR

```
19)  Fluorene
           0.866 0.861 0.833 0.910 0.796 0.798 0.802 0.853 0.867        0.843    4.59
20)  2,4,6-Tribromophenol
           0.125 0.137 0.133 0.137                          0.094        0.125   14.44

21) I   Fluoranthene-d10      ----------------ISTD---------------------
22)  Hexachlorobenzene
           0.203 0.202 0.221 0.247 0.224 0.235 0.240 0.228 0.186        0.221    9.09
23)  Pentachlorophenol
           0.105 0.098 0.082 0.079 0.056 0.075              0.105        0.086   20.82
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.00724 + 0.10562 *A + 0.00018 *A^2

24)  Phenanthrene
           0.855 0.868 0.995 1.053 0.966 1.018              0.761        0.931   11.30
25)  Anthracene
           0.735 0.782 0.826 0.903 0.843                    0.683        0.795    9.94
26)  Fluoranthene
           0.821 0.806 0.804 0.870 0.783 0.780              0.764        0.804    4.34
27)  Pyrene
           0.923 0.898 0.911 0.963 0.857 0.889              0.850        0.899    4.33
28)  Terphenyl-d14
           0.344 0.439 0.505 0.617 0.587 0.612 0.583                     0.527   19.59
29)  Benzo[a]anthracene
           0.782 0.771 0.749 0.733 0.681 0.748              0.780        0.749    4.68
30)  Chrysene
           0.784 0.822 0.890 0.938 0.897 0.956              0.704        0.856   10.55

31) I   Benzo(a)pyrene-d12    ----------------ISTD---------------------
32)  Benzo[b]fluoranthene
           1.410 1.284 1.328 1.277 1.221                    1.432        1.325    6.18
33)  Benzo[k]fluoranthene
           1.087 1.132 1.094 1.209 1.120                    1.055        1.116    4.73
34)  Benzo[a]pyrene
           0.999 0.994 0.935 1.109 1.078 1.181              1.019        1.045    7.94
35)  Indeno[1,2,3-cd]pyrene
           1.205 1.212 1.091 1.167 1.023                    1.217        1.153    6.85
36)  Dibenz[a,h]anthracene
           0.842 0.986 0.877 0.931 0.811                    0.875        0.887    7.08
37)  Benzo[g,h,i]perylene
           1.109 1.136 1.109 1.217 1.130                    1.106        1.134    3.74
-----------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3P2503SIM.M        Mon Jul 11 10:10:21 2016
```

6.6.13

6

Initial Calibration Verification

Job Number: JC24003 **Sample:** E3P2503-ICV2503
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 3P54964.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\E3P2503\3p54964.D          Vial: 11
Acq On    :  6 Jul 2016   5:37 pm                    Operator: hankc
Sample    : icv2503-1.0                              Inst    : MSGC3P
Misc      : op95179a,e3p2503                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3P2503SIM.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Wed Jul 06 17:34:10 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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-Methylnaphthalene-d10	1.000	1.000	0.0	96	0.00	11.10
2	t	1,4-dioxane	0.403	0.317	21.3	72	-0.02	2.74
		----------	AvgRF	CCRF	% Dev		----------	
6	t	bis(2-Chloroethyl)ether	0.713	0.945	-32.5#	155	-0.01	6.76
8	t	Nitrobenzene	0.722	0.849	-17.6	133	0.00	8.24
9	t	Naphthalene	2.629	2.847	-8.3	118	0.00	9.62
10	t	Hexachlorobutadiene	0.445	0.463	-4.0	122	0.00	9.92
11	t	2-Methylnaphthalene	1.414	1.410	0.3	113	0.00	10.98
		----------	True	Calc.	% Drift		----------	
13		Hexachlorocyclopentadiene	1.000	0.902	9.8	78	0.00	11.35
		----------	AvgRF	CCRF	% Dev		----------	
14	I	Fluorene-d10	1.000	1.000	0.0	88	0.00	14.09
16	t	Acenaphthylene	1.411	1.697	-20.3	113	0.00	12.75
17	t	Acenaphthene	0.893	1.076	-20.5	112	0.00	13.11
		----------	AvgRF	CCRF	% Dev		----------	
19	t	Fluorene	0.843	1.061	-25.9	109	0.00	14.15
21	I	Fluoranthene-d10	1.000	1.000	0.0	81	0.00	18.26
22	t	Hexachlorobenzene	0.221	0.270	-22.2	109	0.00	15.26
		----------	AvgRF	CCRF	% Dev		----------	
24	t	Phenanthrene	0.931	1.167	-25.3	109	0.00	16.05
25	t	Anthracene	0.795	0.945	-18.9	98	0.00	16.15
26	t	Fluoranthene	0.804	1.037	-29.0	105	0.00	18.29
27	t	Pyrene	0.899	1.100	-22.4	100	0.00	18.67
29	t	Benzo[a]anthracene	0.749	0.986	-31.6#	104	0.00	20.74
30	t	Chrysene	0.856	0.887	-3.6	88	0.00	20.79
31	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	69	0.04	22.83
32	t	Benzo[b]fluoranthene	1.325	1.552	-17.1	83	0.00	22.40
33	t	Benzo[k]fluoranthene	1.116	1.529	-37.0#	93	0.00	22.44
34	t	Benzo[a]pyrene	1.045	1.292	-23.6	89	0.00	22.85
35	t	Indeno[1,2,3-cd]pyrene	1.153	1.406	-21.9	79	0.00	24.45
36	t	Dibenz[a,h]anthracene	0.887	1.101	-24.1	77	0.00	24.49
37	t	Benzo[g,h,i]perylene	1.134	1.388	-22.4	84	0.00	24.88

Initial Calibration Verification

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Sample: E3P2503-ICV2503
Lab FileID: 3P54964.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3p54955.D  M3P2503SIM.M       Mon Jul 11 10:10:11 2016
```

Initial Calibration Verification

Job Number: JC24003 **Sample:** E3P2503-ICV2503
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 3P54965.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\E3P2503\3p54965.D          Vial: 12
Acq On    :  6 Jul 2016   6:08 pm                     Operator: hankc
Sample    : icv2503-1.0                               Inst    : MSGC3P
Misc      : op95179a,e3p2503                          Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3P2503SIM.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Wed Jul 06 17:34:10 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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-Methylnaphthalene-d10	1.000	1.000	0.0	99	0.00	11.10
	----------	True	Calc.	% Drift	----------		
5	Phenol	5.000	6.972	-39.4#	133	-0.01	6.61
	----------	AvgRF	CCRF	% Dev	----------		
14 I	Fluorene-d10	1.000	1.000	0.0	87	0.00	14.09
	----------	True	Calc.	% Drift	----------		
18 t	4,6-dinitro-2-methylpheno	5.000	3.887	22.3	72	-0.02	14.28
	----------	AvgRF	CCRF	% Dev	----------		
21 I	Fluoranthene-d10	1.000	1.000	0.0	79	0.00	18.26
	----------	True	Calc.	% Drift	----------		
23 t	Pentachlorophenol	5.000	4.412	11.8	71	0.00	15.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p54955.D M3P2503SIM.M Mon Jul 11 10:10:13 2016

Continuing Calibration Summary

Job Number: JC24003 **Sample:** E3P2511-CC2503
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 3P55096.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\E3P2511\3p55096.D          Vial: 2
Acq On    : 14 Jul 2016   9:52 am                    Operator: hankc
Sample    : cc2503-0.5                               Inst    : MSGC3P
Misc      : op95332a,e3p2511                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3P2503SIM.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Wed Jul 06 17:34:10 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	1-Methylnaphthalene-d10	1.000	1.000	0.0	99	-0.12	10.98
2	t	1,4-dioxane	0.403	0.453	-12.4	130	-0.11	2.64
3	S	2-Fluorophenol	0.646	0.616	4.6	107	-0.11	4.93
4	S	Phenol-d5	0.864	0.837	3.1	109	-0.11	6.49
		----------	True	Calc.	% Drift		----------	
5		Phenol	2.500	2.688	-7.5	111	-0.11	6.52
		----------	AvgRF	CCRF	% Dev		----------	
6	t	bis(2-Chloroethyl)ether	0.713	0.703	1.4	121	-0.12	6.65
7	S	Nitrobenzene-d5	0.650	0.692	-6.5	108	-0.11	8.09
8	t	Nitrobenzene	0.722	0.699	3.2	106	-0.11	8.13
9	t	Naphthalene	2.629	2.722	-3.5	118	-0.13	9.49
10	t	Hexachlorobutadiene	0.445	0.416	6.5	110	-0.13	9.79
11	t	2-Methylnaphthalene	1.414	1.390	1.7	107	-0.12	10.85
12	t	1-Methylnaphthalene	1.112	1.285	-15.6	126	-0.12	11.04
		----------	True	Calc.	% Drift		----------	
13		Hexachlorocyclopentadiene	1.000	0.973	2.7	106	-0.14	11.20
		----------	AvgRF	CCRF	% Dev		----------	
14	I	Fluorene-d10	1.000	1.000	0.0	95	-0.13	13.96
15	S	2-Fluorobiphenyl	0.984	0.949	3.6	97	-0.12	11.63
16	t	Acenaphthylene	1.411	1.393	1.3	91	-0.13	12.62
17	t	Acenaphthene	0.893	1.053	-17.9	113	-0.14	12.97
		----------	True	Calc.	% Drift		----------	
18	t	4,6-dinitro-2-methylpheno	2.500	3.025	-21.0#	138	-0.13	14.17
		----------	AvgRF	CCRF	% Dev		----------	
19	t	Fluorene	0.843	0.983	-16.6	112	-0.15	14.00
20	S	2,4,6-Tribromophenol	0.125	0.142	-13.6	101	-0.13	14.51
21	I	Fluoranthene-d10	1.000	1.000	0.0	98	-0.08	18.12
22	t	Hexachlorobenzene	0.221	0.244	-10.4	107	-0.09	15.12
		----------	True	Calc.	% Drift		----------	
23	t	Pentachlorophenol	2.500	2.412	3.5	107	-0.09	15.54
		----------	AvgRF	CCRF	% Dev		----------	
24	t	Phenanthrene	0.931	1.100	-18.2	108	-0.08	15.91

Continuing Calibration Summary

Job Number: JC24003 **Sample:** E3P2511-CC2503
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** 3P55096.D
Project: BMSMC, Building 5 Area, PR

25	t	Anthracene	0.795	0.740	6.9	87	-0.08	16.01
26	t	Fluoranthene	0.804	0.875	-8.8	106	-0.08	18.15
27	t	Pyrene	0.899	0.938	-4.3	100	-0.08	18.53
28	S	Terphenyl-d14	0.527	0.551	-4.6	106	-0.07	18.89
29	t	Benzo[a]anthracene	0.749	0.692	7.6	90	-0.09	20.60
30	t	Chrysene	0.856	0.918	-7.2	101	-0.09	20.65
31	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	99	0.00	22.68
32	t	Benzo[b]fluoranthene	1.325	1.427	-7.7	107	0.00	22.26
33	t	Benzo[k]fluoranthene	1.116	0.604	45.9#	55	0.00	22.30
34	t	Benzo[a]pyrene	1.045	0.815	22.0#	87	0.00	22.70
35	t	Indeno[1,2,3-cd]pyrene	1.153	1.185	-2.8	108	0.00	24.28
36	t	Dibenz[a,h]anthracene	0.887	0.981	-10.6	111	0.00	24.32
37	t	Benzo[g,h,i]perylene	1.134	1.101	2.9	99	-0.04	24.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p54963.D M3P2503SIM.M Thu Jul 14 15:42:01 2016

Initial Calibration Summary

Job Number: JC24003 **Sample:** EF6644-ICC6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157852.D
Project: BMSMC, Building 5 Area, PR

Response Factor Report MSF

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration

Calibration Files
2 =F157855.D 5 =F157854.D 25 =F157851.D 80 =F157850.D
100 =F157849.D 50 =F157852.D 10 =F157853.D 1 =F157856.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d					ISTD					
2) 1,4-Dioxane	0.745	0.782	0.761	0.692	0.682	0.709	0.732	0.770	0.734	5.03
3) Pyridine	1.786	1.749	1.988	1.887	1.867	1.906	1.735	1.496	1.802	8.33
4) N-Nitrosodim	0.362	0.381	0.520	0.503	0.502	0.502	0.441	0.410	0.453	13.75
5) 2-Fluorophen	1.431	1.518	1.591	1.483	1.467	1.528	1.507	1.392	1.490	4.12
6) Indene	2.986	2.927	2.886	2.501	2.441	2.707	2.894	3.049	2.799	8.05
7) Cumene	4.082	4.009	3.872	3.427	3.336	3.671	3.859	4.232	3.811	8.23
8) Phenol-d5	1.927	1.972	2.026	1.888	1.864	1.965	1.943	1.840	1.928	3.21
9) Phenol	2.196	2.225	2.280	2.126	2.067	2.185	2.230	2.102	2.176	3.31
10) Aniline	2.806	2.750	2.787	2.375	2.319	2.632	2.655	2.752	2.634	7.14
11) bis(2-Chloro	1.630	1.684	1.632	1.492	1.476	1.570	1.582	1.765	1.604	5.97
12) 2-Chlorophen	1.587	1.630	1.649	1.519	1.481	1.595	1.621	1.633	1.589	3.74
13) Decane	1.331	1.309	1.262	1.074	1.049	1.157	1.279	1.438	1.237	10.80
14) 1,3-Dichloro	1.841	1.863	1.764	1.589	1.530	1.681	1.767	1.914	1.744	7.73
15) 1,4-Dichloro	1.933	1.810	1.783	1.605	1.550	1.710	1.804	1.992	1.773	8.47
16) Benzyl alcoh	1.032	1.085	1.101	1.022	1.009	1.068	1.027	0.994	1.042	3.66
17) 1,2-Dichloro	1.811	1.728	1.665	1.490	1.434	1.617	1.707	1.842	1.662	8.66
18) Acetophenone	2.441	2.379	2.309	2.027	1.956	2.174	2.310	2.353	2.244	7.76
19) 2-Methylphen	1.495	1.550	1.596	1.462	1.434	1.531	1.536	1.424	1.503	4.02
20) 2,2'-oxybis(	0.582	0.544	0.545	0.479	0.465	0.513	0.535	0.585	0.531	8.19
21) 3&4-Methylph	1.601	1.634	1.681	1.520	1.461	1.611	1.629	1.522	1.582	4.66
22) n-Nitroso-di	1.228	1.260	1.244	1.094	1.073	1.184	1.221	1.159	1.183	5.85
23) Hexachloroet	0.473	0.490	0.491	0.458	0.451	0.479	0.484	0.481	0.476	3.09
24) I Naphthalene-d8					ISTD					
25) Nitrobenzene	0.405	0.402	0.415	0.394	0.388	0.410	0.408	0.378	0.400	3.10
26) Nitrobenzene	0.435	0.451	0.452	0.424	0.414	0.441	0.450	0.445	0.439	3.15
27) Quinoline	0.806	0.807	0.804	0.749	0.740	0.783	0.797	0.809	0.787	3.49
28) Isophorone	0.734	0.761	0.770	0.715	0.701	0.765	0.762	0.690	0.737	4.32
29) 2-Nitropheno	0.145	0.170	0.193	0.184	0.178	0.195	0.184	0.132	0.173	13.11
30) 2,4-Dimethyl	0.370	0.381	0.397	0.360	0.354	0.391	0.377	0.361	0.374	4.12
31) Benzoic acid			0.263	0.285	0.286	0.278	0.192		0.261	15.08
32) bis(2-Chloro	0.474	0.490	0.474	0.434	0.426	0.458	0.474	0.491	0.465	5.20
33) 2,4-Dichloro	0.265	0.290	0.296	0.279	0.271	0.296	0.284	0.240	0.278	6.79
34) 2,6-Dichloro	0.280	0.293	0.295	0.262	0.253	0.288	0.292	0.252	0.277	6.60
35) 1,3,5-Trichl	0.361	0.338	0.322	0.279	0.269	0.310	0.334	0.361	0.322	10.64
36) 1,2,4-Trichl	0.344	0.320	0.307	0.281	0.274	0.305	0.315	0.329	0.309	7.51
37) 1,2,3-Trichl	0.337	0.316	0.306	0.282	0.273	0.305	0.318	0.324	0.307	6.96
38) Naphthalene	1.261	1.224	1.171	1.030	0.988	1.121	1.190	1.303	1.161	9.41
39) 4-Chloroanil	0.500	0.499	0.493	0.427	0.409	0.475	0.491	0.478	0.472	7.34
40) 2,3-Dichloro	0.372	0.379	0.369	0.325	0.308	0.355	0.373	0.355	0.355	7.13
41) Caprolactam	0.119	0.129	0.140	0.134	0.134	0.139	0.132	0.101	0.128	9.84
42) Hexachlorobu	0.145	0.147	0.140	0.128	0.124	0.137	0.141	0.145	0.138	6.06
43) 4-Chloro-3-m	0.300	0.326	0.338	0.322	0.317	0.333	0.328	0.286	0.319	5.53
44) 2-Methylnaph	0.641	0.648	0.619	0.567	0.542	0.609	0.630	0.659	0.614	6.64
45) 1-Methylnaph	0.682	0.681	0.651	0.591	0.567	0.640	0.662	0.718	0.649	7.62

```
46) Dimethylnaph 0.671 0.659 0.645 0.589 0.571 0.639 0.652 0.658 0.635   5.67

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.219 0.244 0.280 0.259 0.250 0.278 0.257 0.184 0.246  12.93
49) 2,4,6-Trichl 0.292 0.299 0.322 0.292 0.279 0.316 0.316 0.241 0.294   8.87
50) 2,4,5-Trichl 0.306 0.334 0.358 0.339 0.333 0.362 0.351 0.291 0.334   7.41
51) 2-Fluorobiph 1.369 1.325 1.265 1.126 1.074 1.236 1.299 1.375 1.259   8.70
52) 2-Chloronaph 1.216 1.207 1.181 1.071 1.029 1.160 1.204 1.275 1.168   6.92
53) Biphenyl     1.671 1.627 1.546 1.364 1.319 1.506 1.586 1.696 1.539   8.93
54) 2-Nitroanili 0.272 0.318 0.365 0.350 0.342 0.359 0.342 0.274 0.328  11.16
55) Dimethylphth 1.346 1.330 1.299 1.198 1.154 1.269 1.312 1.289 1.275   5.21
56) Acenaphthyle 1.918 1.961 1.928 1.773 1.691 1.893 1.928 1.893 1.873   4.93
57) 2,6-Dinitrot 0.207 0.240 0.285 0.282 0.277 0.291 0.265 0.173 0.252  16.94
58) 3-Nitroanili 0.266 0.319 0.359 0.352 0.345 0.366 0.340 0.245 0.324  13.88
59) Acenaphthene 1.308 1.274 1.209 1.075 1.040 1.175 1.226 1.323 1.204   8.58
60) 2,4-Dinitrop 0.035 0.065 0.128 0.152 0.151 0.145 0.092       0.110  42.18
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = -0.02142 + 0.14976 *A + 0.00125 *A^2

61) 4-Nitropheno 0.107 0.143 0.172 0.178 0.174 0.179 0.160       0.159  16.35
62) Dibenzofuran 1.776 1.696 1.631 1.455 1.400 1.586 1.655 1.797 1.625   8.68
63) 2,4-Dinitrot 0.259 0.338 0.397 0.387 0.381 0.403 0.362 0.222 0.344  19.73
64) 2,3,4,6-Tetr 0.189 0.223 0.253 0.250 0.241 0.259 0.240 0.148 0.225  16.93
65) Diethylphtha 1.223 1.247 1.265 1.179 1.142 1.263 1.255 1.189 1.220   3.75
66) Fluorene     1.374 1.329 1.291 1.132 1.084 1.255 1.335 1.320 1.265   8.19
67) 4-Chlorophen 0.567 0.563 0.538 0.461 0.440 0.514 0.550 0.560 0.524   9.28
68) 4-Nitroanili 0.280 0.328 0.379 0.369 0.364 0.385 0.360 0.223 0.336  16.95

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro- 0.056 0.075 0.127 0.143 0.141 0.139 0.099       0.112  31.48
         ----- Quadratic regression -----                Coefficient =  0.9995
              Response Ratio = -0.00867 + 0.14576 *A + -0.00004 *A^2

71) n-Nitrosodip 0.554 0.575 0.567 0.531 0.512 0.560 0.570 0.547 0.552   3.86
72) 1,2-Diphenyl 1.011 1.028 1.009 0.920 0.883 0.974 1.019 0.966 0.976   5.29
73) 2,4,6-Tribro 0.056 0.068 0.079 0.077 0.075 0.079 0.072       0.072  11.25
74) 4-Bromopheny 0.180 0.183 0.184 0.172 0.166 0.178 0.180 0.177 0.178   3.44
75) Hexachlorobe 0.195 0.191 0.192 0.173 0.165 0.183 0.192 0.213 0.188   7.71
76) Pentachlorop 0.068 0.093 0.122 0.120 0.117 0.123 0.108       0.107  18.75
77) Phenanthrene 1.353 1.271 1.211 1.101 1.058 1.183 1.246 1.355 1.222   8.80
78) Anthracene   1.220 1.237 1.228 1.119 1.080 1.195 1.228 1.169 1.185   4.88
79) Carbazole    1.118 1.146 1.146 1.079 1.033 1.138 1.157 1.056 1.109   4.25
80) Di-n-butylph 1.088 1.224 1.355 1.313 1.274 1.356 1.287 0.970 1.233  11.11
81) Fluoranthene 1.083 1.094 1.123 1.061 1.026 1.117 1.115 1.066 1.086   3.08
82) Octadecane   0.434 0.468 0.489 0.434 0.418 0.467 0.482 0.397 0.449   7.30

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.410 1.436 1.453 1.388 1.357 1.440 1.442 1.355 1.410   2.78
85) Terphenyl-d1 0.766 0.796 0.820 0.808 0.797 0.833 0.799 0.756 0.797   3.22
86) Butylbenzylp 0.425 0.536 0.671 0.703 0.697 0.710 0.596       0.620  17.32
87) Butyl steara                                                 0.000# -1.00
88) Benzo[a]anth 1.141 1.134 1.183 1.177 1.159 1.194 1.142 1.192 1.165   2.07
89) 3,3'-Dichlor 0.270 0.350 0.426 0.443 0.437 0.439 0.391       0.394  16.26
90) Chrysene     1.261 1.276 1.249 1.205 1.197 1.244 1.245 1.308 1.248   2.88
91) bis(2-Ethylh 0.450 0.667 0.916 0.985 0.968 0.975 0.786 0.339 0.761  33.25
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = -0.03675 + 1.00929 *A + -0.00828 *A^2


92) I   Perylene-d12          ----------------ISTD---------------------
```

Initial Calibration Summary

Job Number: JC24003 **Sample:** EF6644-ICC6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157852.D
Project: BMSMC, Building 5 Area, PR

```
 93) Di-n-octylph 0.626 0.996 1.587 1.743 1.706 1.741 1.294 0.532 1.278  39.36
          ----- Quadratic regression -----                Coefficient =  0.9994
               Response Ratio = -0.08380 + 1.81981 *A + -0.02751 *A^2

 94) Benzo[b]fluo 1.110 1.228 1.323 1.259 1.232 1.326 1.298 1.045 1.228   8.26
 95) Benzo[k]fluo 1.205 1.259 1.305 1.251 1.205 1.317 1.285 1.087 1.239   5.98
 96) Benzo[a]pyre 0.902 1.033 1.167 1.137 1.116 1.189 1.081 0.803 1.054  12.88
 97) Indeno[1,2,3 0.794 0.932 1.074 1.082 1.043 1.090 1.004 0.706 0.966  14.98
 98) Dibenz(a,h)a 0.663 0.810 0.976 0.951 0.916 0.969 0.899 0.531 0.839  19.34
 99) Dibenz[a,h]a 0.826 0.972 1.097 1.077 1.078 1.102 1.028 0.760 0.992  13.24
100) 7,12-Dimethy 0.458 0.523 0.631 0.585 0.565 0.631 0.568 0.373 0.542  16.33
101) Benzo[g,h,i] 0.977 1.104 1.200 1.165 1.128 1.195 1.136 0.936 1.105   8.86


 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MF6644.M          Fri Jun 10 13:22:12 2016   RT1
```

Initial Calibration Summary

Job Number: JC24003 **Sample:** EF6645-ICC6645
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157860.D
Project: BMSMC, Building 5 Area, PR

Response Factor Report MSF

Method : C:\MSDCHEM\1\METHODS\MF6645.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration

Calibration Files
2 =F157864.D 5 =F157863.D 25 =F157861.D 80 =F157859.D
100 =F157858.D 50 =F157860.D 10 =F157862.D 1 =F157865.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
159) I 1,4-Dichlorobenzene-d	ISTD									
160) Benzaldehyde	1.215	1.091	1.157	1.018	0.927	1.133	1.206	1.027	1.097	9.18
161) I Naphthalene-d8b	ISTD									
162) Hydroquinone	0.276	0.260	0.323	0.356	0.360	0.345	0.301	0.201	0.303	18.18
163) Acenaphthene-d10b	ISTD									
164) 1,2,4,5-Tetr	0.500	0.400	0.406	0.393	0.388	0.412	0.446	0.411	0.420	8.78
165) Phenanthrene-d10b	ISTD									
166) Atrazine	0.137	0.130	0.167	0.171	0.172	0.174	0.162	0.089	0.150	19.85
167) Chrysene-d12b	ISTD									
168) Benzidine	0.363	0.553	0.399	0.362	0.509	0.533			0.453	19.49

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF6644.M Fri Jun 10 13:37:00 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157867.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF6644\F157867.D Vial: 11
Acq On : 9 Jun 2016 7:25 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	106	0.00	4.94
3	t	Pyridine	1.802	1.858	-3.1	103	0.07	2.93
10	t	Aniline	2.634	2.701	-2.5	109	0.00	4.70
16	t	Benzyl alcohol	1.042	1.105	-6.0	110	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	5.86
39	t	4-Chloroaniline	0.472	0.456	3.4	106	0.00	5.91
44	t	2-Methylnaphthalene	0.614	0.570	7.2	103	0.00	6.40
47	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	7.35
54	t	2-Nitroaniline	0.328	0.316	3.7	99	0.00	6.90
58	t	3-Nitroaniline	0.324	0.317	2.2	98	0.00	7.30
68	t	4-Nitroaniline	0.336	0.319	5.1	93	0.00	8.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	9.33
79	t	Carbazole	1.109	1.067	3.8	104	0.00	9.74

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6645
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157868A.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6644\F157868A.D          Vial: 12
Acq On    :  9 Jun 2016   7:55 pm                    Operator: brittanp
Sample    : icv6645-50                               Inst    : MSF
Misc      : op93756,ef6645                           Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
159	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	107	0.00	4.94
160	t	Benzaldehyde	1.097	1.226	-11.8	116	0.00	4.62
165		Phenanthrene-d10b	1.000	1.000	0.0	102	0.00	9.33
166		Atrazine	0.150	0.178	-18.7	104	0.00	8.91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:34 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157868.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6644\F157868.D          Vial: 12
Acq On    :  9 Jun 2016   7:55 pm                   Operator: brittanp
Sample    : icv6644-50                              Inst    : MSF
Misc      : op93756,ef6645                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	118	0.00	4.94
2	t	1,4-Dioxane	0.734	0.671	8.6	112	0.02	2.55
6	t	Indene	2.799	2.624	6.3	115	0.00	5.12
7	t	Cumene	3.811	3.431	10.0	111	0.00	4.35
13	t	Decane	1.237	1.110	10.3	113	0.00	4.81
18	t	Acetophenone	2.244	2.017	10.1	110	0.00	5.23
24	I	Naphthalene-d8	1.000	1.000	0.0	129	0.00	5.86
27	t	Quinoline	0.787	0.620	21.2	102	0.00	6.12
40	t	2,3-Dichloroaniline	0.355	0.260	26.8	94	0.00	6.63
41	t	Caprolactam	0.128	0.101	21.1	94	-0.03	6.16
45	t	1-Methylnaphthalene	0.649	0.505	22.2	102	0.00	6.48
46	t	Dimethylnaphthalene	0.635	0.500	21.3	101	0.00	6.93
47	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00	7.35
53	t	Biphenyl	1.539	1.380	10.3	101	0.00	6.79
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	9.33
82	t	Octadecane	0.449	0.464	-3.3	104	0.00	9.21
92	I	Perylene-d12	1.000	1.000	0.0	89	0.00	17.77
100	t	7,12-Dimethylbenz(a)anthr	0.542	0.554	-2.2	78	-0.01	17.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:33 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157869.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	118	0.00	4.94
4	t	N-Nitrosodimethylamine	0.453	0.463	-2.2	108	0.01	2.83
11	t	bis(2-Chloroethyl)ether	1.604	1.550	3.4	116	0.00	4.74
14	t	1,3-Dichlorobenzene	1.744	1.581	9.3	111	0.00	4.89
15	t	1,4-Dichlorobenzene	1.773	1.614	9.0	111	0.00	4.95
17	t	1,2-Dichlorobenzene	1.662	1.525	8.2	111	0.00	5.06
20	t	2,2'-oxybis(1-Chloropropa	0.531	0.452	14.9	104	0.00	5.13
22		n-Nitroso-di-n-propylamin	1.183	1.077	9.0	107	0.00	5.23
23	t	Hexachloroethane	0.476	0.458	3.8	112	0.00	5.31
24	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00	5.86
26	t	Nitrobenzene	0.439	0.396	9.8	102	0.00	5.35
28	t	Isophorone	0.737	0.734	0.4	109	0.00	5.52
32	t	bis(2-Chloroethoxy)methan	0.465	0.430	7.5	107	0.00	5.67
36	t	1,2,4-Trichlorobenzene	0.309	0.287	7.1	107	0.00	5.82
38	t	Naphthalene	1.161	1.078	7.1	110	0.00	5.88
42	t	Hexachlorobutadiene	0.138	0.132	4.3	110	0.00	5.96
47	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00	7.36
48	t	Hexachlorocyclopentadiene	0.246	0.212	13.8	84	0.00	6.52
52	t	2-Chloronaphthalene	1.168	1.065	8.8	101	0.00	6.81
55	t	Dimethylphthalate	1.275	1.148	10.0	100	0.00	7.06
56	t	Acenaphthylene	1.873	1.701	9.2	99	0.00	7.21
57	t	2,6-Dinitrotoluene	0.252	0.229	9.1	87	0.00	7.13
59	t	Acenaphthene	1.204	1.112	7.6	104	0.00	7.39
63	t	2,4-Dinitrotoluene	0.344	0.286	16.9	78	0.00	7.55
65	t	Diethylphthalate	1.220	1.108	9.2	97	0.00	7.83
66	t	Fluorene	1.265	1.133	10.4	100	0.00	7.99
67	t	4-Chlorophenyl-phenylethe	0.524	0.470	10.3	101	0.00	7.98
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	9.34
71	t	n-Nitrosodiphenylamine	0.552	0.543	1.6	101	0.00	8.13
72	t	1,2-Diphenylhydrazine	0.976	0.963	1.3	103	0.00	8.18
74	t	4-Bromophenyl-phenylether	0.178	0.176	1.1	102	0.00	8.65
75	t	Hexachlorobenzene	0.188	0.170	9.6	97	0.00	8.73
77	t	Phenanthrene	1.222	1.106	9.5	97	0.00	9.38
78	t	Anthracene	1.185	1.098	7.3	95	0.00	9.46
80	t	Di-n-butylphthalate	1.233	1.249	-1.3	96	0.00	10.46
81	t	Fluoranthene	1.086	1.016	6.4	94	0.00	11.58
83	I	Chrysene-d12	1.000	1.000	0.0	98	0.00	14.71

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157869.D
Project: BMSMC, Building 5 Area, PR

84	t	Pyrene	1.410	1.398	0.9	96	0.00	12.04
86	t	Butylbenzylphthalate	0.620	0.618	0.3	86	0.00	13.65
88	t	Benzo[a]anthracene	1.165	1.088	6.6	90	0.00	14.69
90	t	Chrysene	1.248	1.112	10.9	88	0.00	14.77
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	44.685	10.6	87	0.00	15.06
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	93	0.00	17.77
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	45.348	9.3	83	0.00	16.51
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.228	1.162	5.4	82	0.00	17.02
95	t	Benzo[k]fluoranthene	1.239	1.265	-2.1	89	-0.01	17.07
96	t	Benzo[a]pyrene	1.054	1.097	-4.1	86	0.00	17.66
97	t	Indeno[1,2,3-cd]pyrene	0.966	0.935	3.2	80	0.00	19.72
99	t	Dibenz[a,h]anthracene	0.992	0.962	3.0	81	0.00	19.78
101	t	Benzo[g,h,i]perylene	1.105	1.056	4.4	82	0.00	20.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:35 2016 RT1

6.6.22

6

Initial Calibration Verification

Job Number: JC24003
Account: AMANYWP Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Sample: EF6645-ICV6645
Lab FileID: F157869A.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6644\F157869A.D          Vial: 13
Acq On    :  9 Jun 2016   8:23 pm                    Operator: brittanp
Sample    : icv6645-50                               Inst    : MSF
Misc      : op93756,ef6645                           Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
163	Acenaphthene-d10b	1.000	1.000	0.0	105	0.00	7.36
164	1,2,4,5-Tetrachlorobenzen	0.420	0.473	-12.6	120	0.00	6.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:36 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157870.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF6644\F157870.D Vial: 14
Acq On : 9 Jun 2016 8:52 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	125	0.00	4.94
5	S	2-Fluorophenol	1.490	1.547	-3.8	126	0.00	3.95
8	S	Phenol-d5	1.928	1.907	1.1	121	0.00	4.65
24	I	Naphthalene-d8	1.000	1.000	0.0	121	0.00	5.86
25	S	Nitrobenzene-d5	0.400	0.397	0.8	117	0.00	5.34
47	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	7.35
51	S	2-Fluorobiphenyl	1.259	1.253	0.5	115	0.00	6.69
69	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	9.33
73	S	2,4,6-Tribromophenol	0.072	0.072	0.0	98	0.00	8.29
83	I	Chrysene-d12	1.000	1.000	0.0	99	0.00	14.71
85	S	Terphenyl-d14	0.797	0.865	-8.5	103	0.00	12.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:37 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6645
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157871A.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6644\F157871A.D          Vial: 15
Acq On    :  9 Jun 2016   9:21 pm                    Operator: brittanp
Sample    : icv6645-50                               Inst    : MSF
Misc      : op93756,ef6645                           Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
167	Chrysene-d12b	1.000	1.000	0.0	97	0.00	14.71
168	Benzidine	0.453	0.757	-67.1#	144	0.00	11.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:39 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157871.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6644\F157871.D          Vial: 15
Acq On    :  9 Jun 2016   9:21 pm                   Operator: brittanp
Sample    : icv6644-50                              Inst    : MSF
Misc      : op93756,ef6645                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
83 I	Chrysene-d12	1.000	1.000	0.0	100	0.00	14.71
89 t	3,3'-Dichlorobenzidine	0.394	0.367	6.9	84	0.00	14.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:38 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6645-ICV6645
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157872.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6644\F157872.D          Vial: 16
Acq On    :  9 Jun 2016   9:50 pm                   Operator: brittanp
Sample    : icv6645-50                              Inst    : MSF
Misc      : op93756,ef6645                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
161	I	Naphthalene-d8b	1.000	1.000	0.0	92	0.00	5.86
162	t	Hydroquinone	0.303	0.335	-10.6	90	-0.01	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F157860A.D MF6644.M Fri Jun 10 13:22:40 2016 RT1

Initial Calibration Verification

Job Number: JC24003 **Sample:** EF6646-ICV6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F157880.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6646\F157880.D          Vial: 2
Acq On    : 10 Jun 2016   4:09 pm                   Operator: brittanp
Sample    : icv6644-50                              Inst    : MSF
Misc      : op93756,ef6646                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Sun Jun 12 12:17:27 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	125	-0.01	4.93
9	t	Phenol	2.176	1.949	10.4	112	-0.02	4.65
12	t	2-Chlorophenol	1.589	1.467	7.7	115	-0.01	4.77
19	t	2-Methylphenol	1.503	1.381	8.1	113	-0.01	5.10
21	t	3&4-Methylphenol	1.582	1.472	7.0	114	-0.02	5.20
24	I	Naphthalene-d8	1.000	1.000	0.0	124	-0.01	5.85
29	t	2-Nitrophenol	0.173	0.182	-5.2	116	-0.01	5.57
30	t	2,4-Dimethylphenol	0.374	0.364	2.7	115	-0.01	5.59
31	t	Benzoic acid	0.261	0.253	3.1	113	-0.02	5.66
33	t	2,4-Dichlorophenol	0.278	0.271	2.5	114	-0.02	5.74
34		2,6-Dichlorophenol	0.277	0.265	4.3	114	-0.01	5.90
43	t	4-Chloro-3-methylphenol	0.319	0.307	3.8	114	-0.02	6.25
47	I	Acenaphthene-d10	1.000	1.000	0.0	120	-0.02	7.34
49	t	2,4,6-Trichlorophenol	0.294	0.312	-6.1	118	-0.02	6.61
50	t	2,4,5-Trichlorophenol	0.334	0.319	4.5	105	-0.02	6.64
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	43.675	12.7	94	-0.02	7.39
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.159	0.169	-6.3	113	-0.02	7.44
64		2,3,4,6-Tetrachlorophenol	0.225	0.232	-3.1	107	-0.02	7.69
69	I	Phenanthrene-d10	1.000	1.000	0.0	117	-0.02	9.32
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	42.612	14.8	99	-0.02	8.02
		----------	AvgRF	CCRF	% Dev	----------		
76	t	Pentachlorophenol	0.107	0.118	-10.3	112	-0.02	9.01
83	I	Chrysene-d12	1.000	1.000	0.0	114	-0.03	14.69
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	108	-0.03	17.75

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 F157884A.D MF6644.M          Mon Jun 13 09:27:45 2016   RT1
```

Continuing Calibration Summary

Job Number: JC24003 **Sample:** EF6690-CC6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F158970.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6690\F158970.D          Vial: 2
Acq On    : 15 Jul 2016   7:51 am                   Operator: brittanp
Sample    : cc6644-25                               Inst    : MSF
Misc      : op93756,ef6690                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jul 18 15:33:50 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	164	0.02	4.79
2	t	1,4-Dioxane	0.734	0.700	4.6	151	0.00	2.37
3	t	Pyridine	1.802	1.936	-7.4	160	0.00	2.70
4	t	N-Nitrosodimethylamine	0.453	0.606	-33.8#	191	0.00	2.66
5	S	2-Fluorophenol	1.490	1.562	-4.8	161	0.02	3.84
6	t	Indene	2.799	2.911	-4.0	165	0.00	4.97
7	t	Cumene	3.811	3.999	-4.9	169	0.00	4.18
8	S	Phenol-d5	1.928	2.063	-7.0	167	0.02	4.55
9	t	Phenol	2.176	2.585	-18.8	186	0.02	4.56
10	t	Aniline	2.634	2.214	15.9	130	0.00	4.55
11	t	bis(2-Chloroethyl)ether	1.604	1.672	-4.2	168	0.00	4.59
12	t	2-Chlorophenol	1.589	1.637	-3.0	163	0.01	4.65
13	t	Decane	1.237	1.367	-10.5	178	0.00	4.65
14	t	1,3-Dichlorobenzene	1.744	1.726	1.0	160	0.01	4.74
15	t	1,4-Dichlorobenzene	1.773	1.770	0.2	163	0.00	4.80
16	t	Benzyl alcohol	1.042	1.132	-8.6	168	0.00	4.89
17	t	1,2-Dichlorobenzene	1.662	1.646	1.0	162	0.00	4.91
18	t	Acetophenone	2.244	2.406	-7.2	171	0.00	5.08
19	t	2-Methylphenol	1.503	1.572	-4.6	161	0.02	5.00
20	t	2,2'-oxybis(1-Chloropropa	0.531	0.569	-7.2	171	0.00	4.98
21	t	3&4-Methylphenol	1.582	1.713	-8.3	167	0.01	5.10
22		n-Nitroso-di-n-propylamin	1.183	1.373	-16.1	181	0.00	5.08
23	t	Hexachloroethane	0.476	0.498	-4.6	166	0.00	5.16
24	I	Naphthalene-d8	1.000	1.000	0.0	166	0.02	5.71
25	S	Nitrobenzene-d5	0.400	0.457	-14.2	183	0.00	5.19
26	t	Nitrobenzene	0.439	0.501	-14.1	184	0.00	5.20
27	t	Quinoline	0.787	0.809	-2.8	167	0.01	5.97
28	t	Isophorone	0.737	0.827	-12.2	178	0.00	5.37
29	t	2-Nitrophenol	0.173	0.210	-21.4#	181	0.00	5.43
30	t	2,4-Dimethylphenol	0.374	0.369	1.3	154	0.01	5.48
31	t	Benzoic acid	0.261	0.327	-25.3#	207#	0.00	5.57
32	t	bis(2-Chloroethoxy)methan	0.465	0.479	-3.0	168	0.00	5.53
33	t	2,4-Dichlorophenol	0.278	0.306	-10.1	172	0.01	5.63
34		2,6-Dichlorophenol	0.277	0.300	-8.3	169	0.00	5.78
35		1,3,5-Trichlorobenzene	0.322	0.316	1.9	163	0.00	5.44
36	t	1,2,4-Trichlorobenzene	0.309	0.308	0.3	166	0.01	5.67
37		1,2,3-Trichlorobenzene	0.307	0.305	0.7	166	0.00	5.83
38	t	Naphthalene	1.161	1.156	0.4	164	0.00	5.73
39	t	4-Chloroaniline	0.472	0.441	6.6	149	0.01	5.77
40	t	2,3-Dichloroaniline	0.355	0.367	-3.4	165	0.01	6.46
41	t	Caprolactam	0.128	0.163	-27.3#	193	0.00	6.03

Continuing Calibration Summary

Job Number: JC24003 **Sample:** EF6690-CC6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F158970.D
Project: BMSMC, Building 5 Area, PR

42	t	Hexachlorobutadiene	0.138	0.145	-5.1	172	0.00	5.81
43	t	4-Chloro-3-methylphenol	0.319	0.366	-14.7	180	0.02	6.14
44	t	2-Methylnaphthalene	0.614	0.635	-3.4	170	0.01	6.24
45	t	1-Methylnaphthalene	0.649	0.665	-2.5	170	0.01	6.32
46	t	Dimethylnaphthalene	0.635	0.670	-5.5	173	0.01	6.75
47	I	Acenaphthene-d10	1.000	1.000	0.0	168	0.04	7.16
48	t	Hexachlorocyclopentadiene	0.246	0.278	-13.0	167	0.01	6.35
49	t	2,4,6-Trichlorophenol	0.294	0.346	-17.7	180	0.02	6.47
50	t	2,4,5-Trichlorophenol	0.334	0.363	-8.7	170	0.02	6.52
51	S	2-Fluorobiphenyl	1.259	1.264	-0.4	167	0.01	6.53
52	t	2-Chloronaphthalene	1.168	1.190	-1.9	169	0.01	6.64
53	t	Biphenyl	1.539	1.579	-2.6	171	0.01	6.61
54	t	2-Nitroaniline	0.328	0.458	-39.6#	210#	0.01	6.73
55	t	Dimethylphthalate	1.275	1.345	-5.5	174	0.01	6.89
56	t	Acenaphthylene	1.873	1.961	-4.7	170	0.01	7.02
57	t	2,6-Dinitrotoluene	0.252	0.312	-23.8#	183	0.01	6.95
58	t	3-Nitroaniline	0.324	0.365	-12.7	170	0.02	7.13
59	t	Acenaphthene	1.204	1.216	-1.0	169	0.02	7.20
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	56.702	-13.4	202	0.02	7.23
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.159	0.227	-42.8#	220#	0.04	7.37
62	t	Dibenzofuran	1.625	1.614	0.7	166	0.02	7.38
63	t	2,4-Dinitrotoluene	0.344	0.435	-26.5#	184	0.02	7.36
64		2,3,4,6-Tetrachlorophenol	0.225	0.276	-22.7#	183	0.02	7.52
65	t	Diethylphthalate	1.220	1.354	-11.0	179	0.02	7.63
66	t	Fluorene	1.265	1.348	-6.6	175	0.02	7.77
67	t	4-Chlorophenyl-phenylethe	0.524	0.552	-5.3	172	0.02	7.77
68	t	4-Nitroaniline	0.336	0.348	-3.6	154	0.02	7.82
69	I	Phenanthrene-d10	1.000	1.000	0.0	173	0.05	9.09
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	25.000	27.504	-10.0	199	0.02	7.84
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.552	0.571	-3.4	174	0.02	7.92
72	t	1,2-Diphenylhydrazine	0.976	1.108	-13.5	189	0.02	7.97
73	S	2,4,6-Tribromophenol	0.072	0.081	-12.5	178	0.02	8.08
74	t	4-Bromophenyl-phenylether	0.178	0.186	-4.5	174	0.02	8.42
75	t	Hexachlorobenzene	0.188	0.185	1.6	166	0.02	8.49
76	t	Pentachlorophenol	0.107	0.123	-15.0	175	0.03	8.81
77	t	Phenanthrene	1.222	1.203	1.6	171	0.03	9.13
78	t	Anthracene	1.185	1.209	-2.0	170	0.03	9.21
79	t	Carbazole	1.109	1.151	-3.8	173	0.03	9.50
80	t	Di-n-butylphthalate	1.233	1.484	-20.4#	189	0.05	10.21
81	t	Fluoranthene	1.086	1.185	-9.1	182	0.04	11.30
82	t	Octadecane	0.449	0.570	-26.9#	201#	0.04	8.98
83	I	Chrysene-d12	1.000	1.000	0.0	181	0.11	14.45
84	t	Pyrene	1.410	1.408	0.1	176	0.05	11.76
85	S	Terphenyl-d14	0.797	0.844	-5.9	186	0.06	12.20
86	t	Butylbenzylphthalate	0.620	0.757	-22.1#	204#	0.09	13.39
88	t	Benzo[a]anthracene	1.165	1.231	-5.7	188	0.07	14.42
89	t	3,3'-Dichlorobenzidine	0.394	0.439	-11.4	187	0.09	14.48
90	t	Chrysene	1.248	1.232	1.3	179	0.07	14.50

Continuing Calibration Summary

Job Number: JC24003 **Sample:** EF6690-CC6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F158970.D
Project: BMSMC, Building 5 Area, PR

			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	25.000	27.583	-10.3	207	0.12	14.83

			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	180	0.14	17.53

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	29.622	-18.5	227	0.15	16.31

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.228	1.396	-13.7	190	0.00	16.76
95	t	Benzo[k]fluoranthene	1.239	1.299	-4.8	179	0.00	16.82
96	t	Benzo[a]pyrene	1.054	1.205	-14.3	186	0.10	17.40
97	t	Indeno[1,2,3-cd]pyrene	0.966	1.139	-17.9	191	0.00	19.50
98	t	Dibenz(a,h)acridine	0.839	1.027	-22.4#	189	0.14	19.14
99	t	Dibenz[a,h]anthracene	0.992	1.142	-15.1	188	0.14	19.56
100	t	7,12-Dimethylbenz(a)anthr	0.542	0.600	-10.7	171	0.10	16.78
101	t	Benzo[g,h,i]perylene	1.105	1.229	-11.2	184	0.00	19.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F159045.D MF6644.M Mon Jul 18 15:35:08 2016 RT1

Continuing Calibration Summary

Job Number: JC24003 **Sample:** EF6690-CC6645
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F158971.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6690\F158971.D          Vial: 3
Acq On    : 15 Jul 2016   8:23 am                   Operator: brittanp
Sample    : cc6645-25                               Inst    : MSF
Misc      : op93756,ef6690                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Fri Jul 15 12:48:28 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	151	0.06	4.78
103 t	Benzaldehyde	1.097	1.123	-2.4	146	0.00	4.46
104 I	Naphthalene-d8b	1.000	1.000	0.0	155	0.07	5.71
105 t	Hydroquinone	0.303	0.405	-33.7#	194	0.06	6.03
106	Acenaphthene-d10b	1.000	1.000	0.0	159	0.10	7.16
107	1,2,4,5-Tetrachlorobenzen	0.420	0.435	-3.6	170	0.02	6.36
108	Phenanthrene-d10b	1.000	1.000	0.0	174	0.13	9.09
109	Atrazine	0.150	0.198	-32.0#	207#	0.04	8.69
110	Chrysene-d12b	1.000	1.000	0.0	183	0.20	14.44
111	Benzidine	0.453	0.482	-6.4	159	0.18	11.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F158800.D MF6644.M Fri Jul 15 12:51:18 2016 RT1

Continuing Calibration Summary

Job Number: JC24003 **Sample:** EF6690-CC6644
Account: AMANYWP Anderson, Mulholland & Associates **Lab FileID:** F158972.D
Project: BMSMC, Building 5 Area, PR

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EF6690\F158972.D          Vial: 4
Acq On    : 15 Jul 2016   8:52 am                   Operator: brittanp
Sample    : cc6644-5                                Inst    : MSF
Misc      : op93756,ef6690                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\MF6644AP9.M (RTE Integrator)
Title        : Semi Volatile Extractables by GC/MS
Last Update  : Mon Jul 18 11:34:09 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.050  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.
180	Chrysene-d12B	1.000	1.000	0.0	100	0.17	14.42
181	2,3,7,8-tcdd	0.115	0.115	0.0	100	0.14	13.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
COPY OF F15 MF6644AP9.M Mon Jul 18 12:23:06 2016 RT1

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55100.D
Acq On : 14 Jul 2016 12:09 pm
Operator : hankc
Sample : jc24003-1
Misc : op95563a,e3p2511,910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 14 14:54:41 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

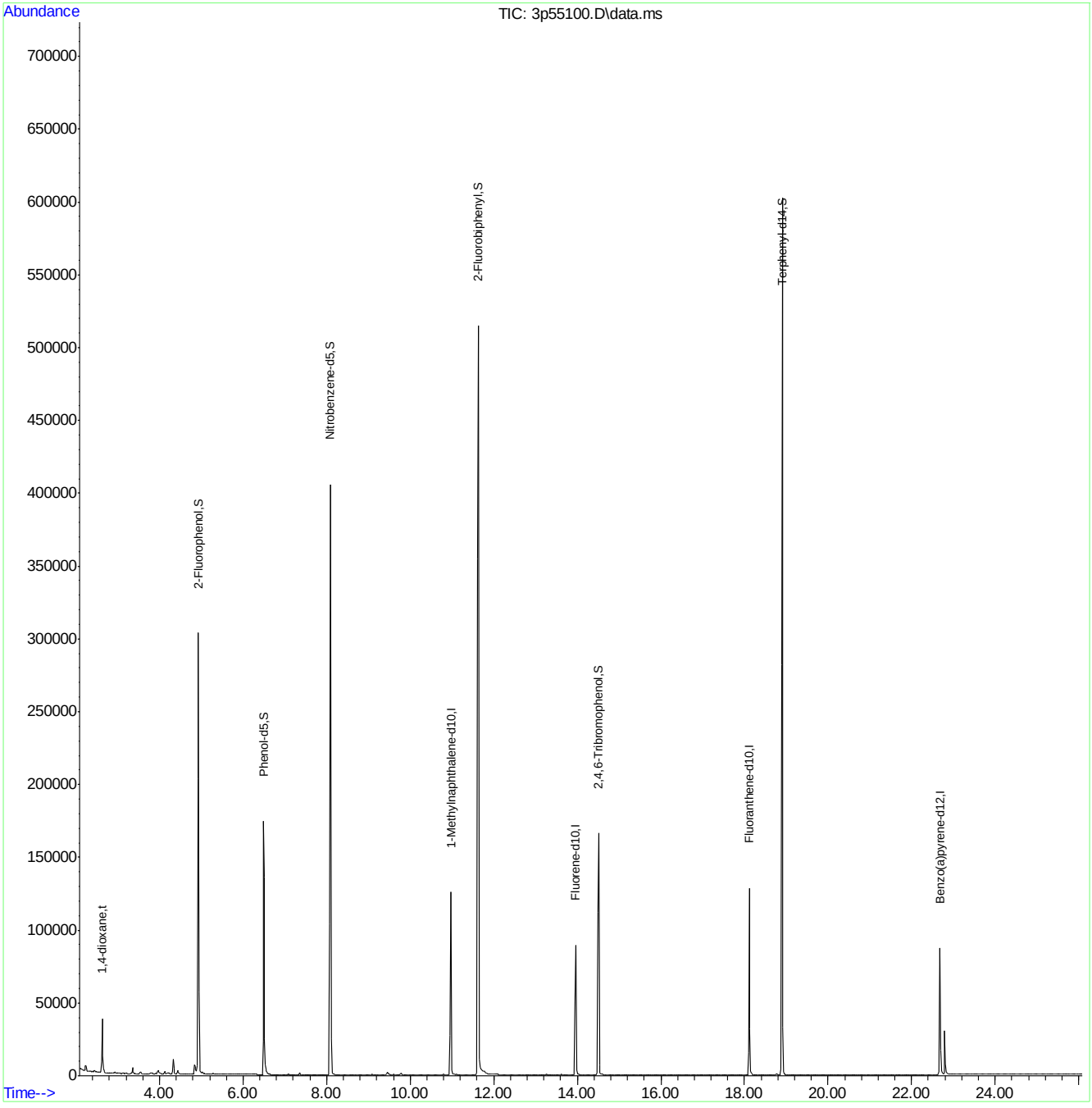
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	69592	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	88144	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	130368	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	88563	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	248467	22.11	ppm	-0.11
Spiked Amount 50.000			Recovery = 44.22%			
4) Phenol-d5	6.494	99	260417	17.31	ppm	-0.11
Spiked Amount 50.000			Recovery = 34.62%			
7) Nitrobenzene-d5	8.092	82	379241	33.52	ppm	-0.11
Spiked Amount 50.000			Recovery = 67.04%			
15) 2-Fluorobiphenyl	11.633	172	695320	32.06	ppm	-0.12
Spiked Amount 50.000			Recovery = 64.12%			
20) 2,4,6-Tribromophenol	14.507	330	127185	46.10	ppm	-0.13
Spiked Amount 50.000			Recovery = 92.20%			
28) Terphenyl-d14	18.905	244	556149	32.40	ppm	-0.06
Spiked Amount 50.000			Recovery = 64.80%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.628	88	31428	4.48	ppm #	10

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

Quantitation Report (QT Reviewed)

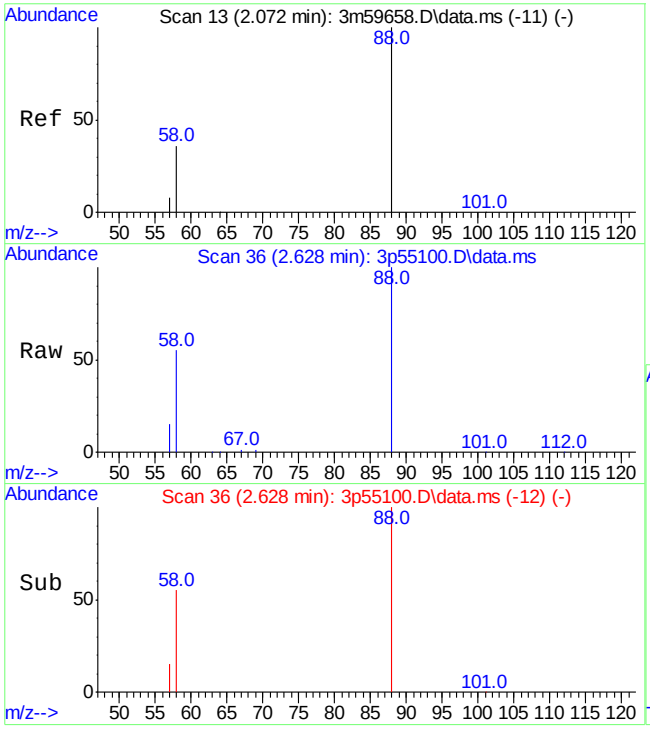
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55100.D
Acq On : 14 Jul 2016 12:09 pm
Operator : hankc
Sample : jc24003-1
Misc : op95563a,e3p2511,910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 14 14:54:41 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration



M3P2503SIM.M Thu Jul 14 15:31:35 2016 Page: 2

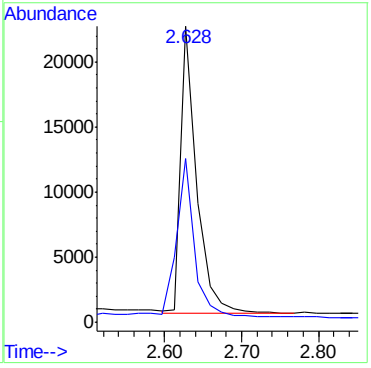
SGS ACCUTEST JC24003



#2
1,4-dioxane
Concen: 4.48 ppm
RT: 2.628 min Scan# 36
Delta R.T. -0.124 min
Lab File: 3p55100.D
Acq: 14 Jul 2016 12:09 pm

Tgt Ion: 88 Resp: 31428

Ion	Ratio	Lower	Upper
88	100		
58	54.8	0.0	36.3#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55101.D
Acq On : 14 Jul 2016 12:42 pm
Operator : hankc
Sample : jc24003-2
Misc : op95563a,e3p2511,910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 14 15:30:09 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

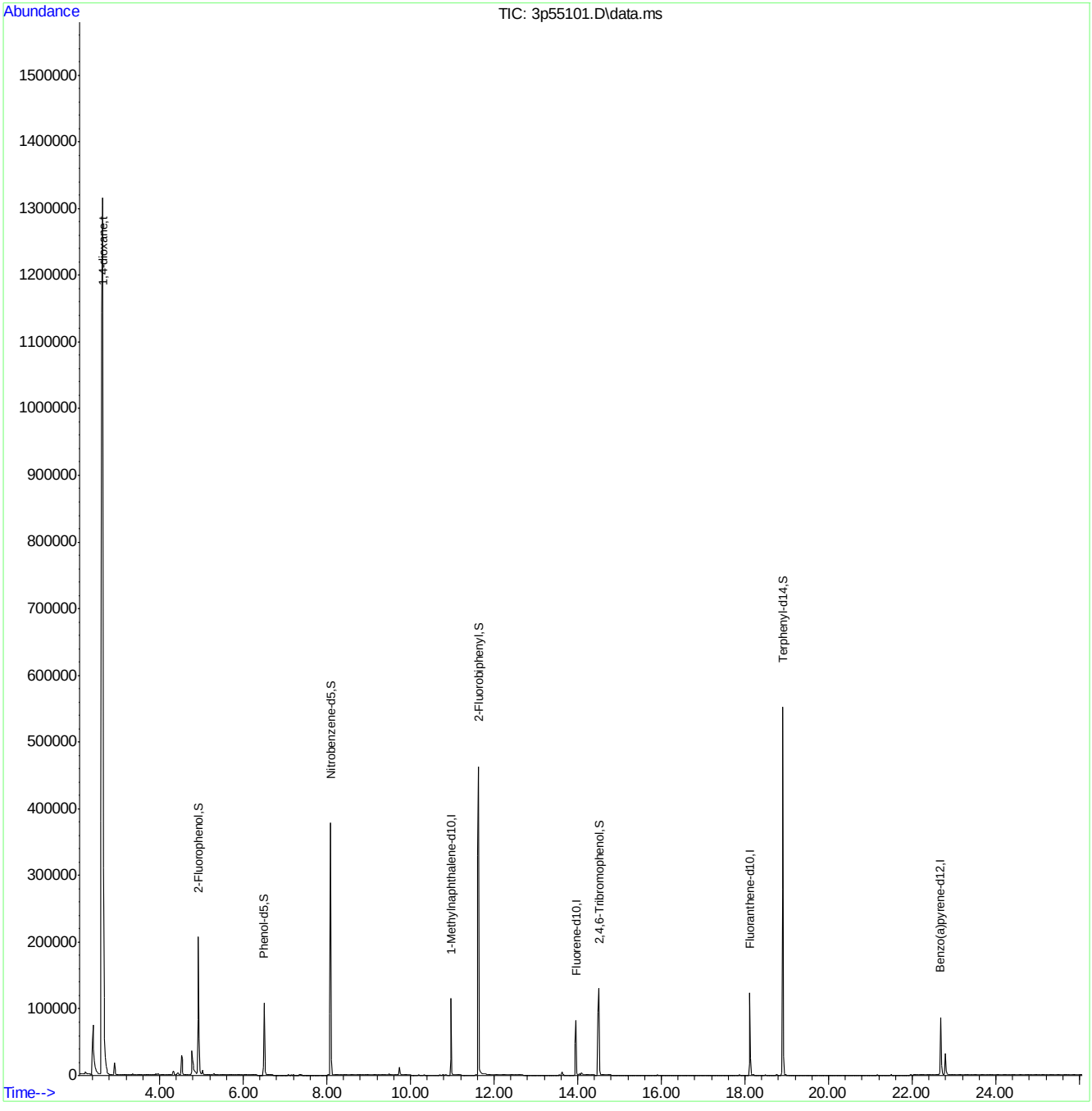
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	64022	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	81861	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	123597	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	86187	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	158806	15.36	ppm	-0.11
Spiked Amount 50.000			Recovery = 30.72%			
4) Phenol-d5	6.494	99	172629	12.48	ppm	-0.11
Spiked Amount 50.000			Recovery = 24.96%			
7) Nitrobenzene-d5	8.092	82	348976	33.53	ppm	-0.11
Spiked Amount 50.000			Recovery = 67.06%			
15) 2-Fluorobiphenyl	11.633	172	630589	31.30	ppm	-0.12
Spiked Amount 50.000			Recovery = 62.60%			
20) 2,4,6-Tribromophenol	14.507	330	102305	39.92	ppm	-0.13
Spiked Amount 50.000			Recovery = 79.84%			
28) Terphenyl-d14	18.905	244	523918	32.19	ppm	-0.06
Spiked Amount 50.000			Recovery = 64.38%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.643	88	2091761	324.30	ppm #	1

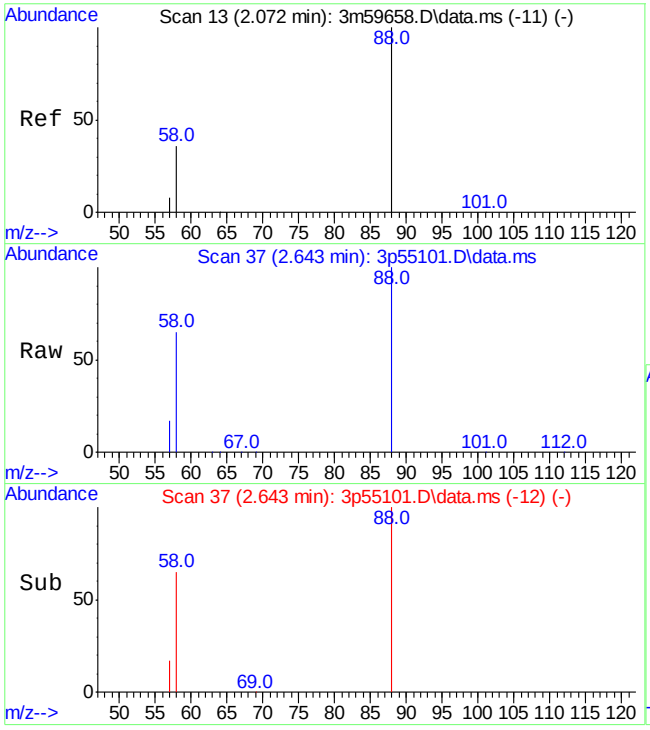
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55101.D
Acq On : 14 Jul 2016 12:42 pm
Operator : hankc
Sample : jc24003-2
Misc : op95563a,e3p2511,910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 14 15:30:09 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

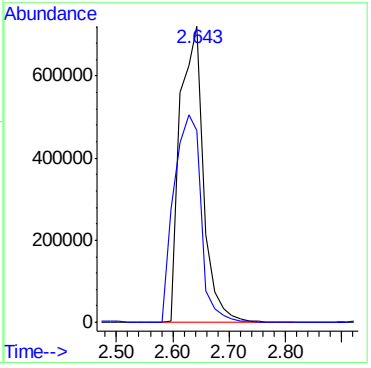




#2
1,4-dioxane
Concen: 324.30 ppm
RT: 2.643 min Scan# 37
Delta R.T. -0.108 min
Lab File: 3p55101.D
Acq: 14 Jul 2016 12:42 pm

Tgt Ion: 88 Resp: 2091761

Ion	Ratio	Lower	Upper
88	100		
58	65.0	0.0	36.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F159008.D Vial: 40
Acq On : 15 Jul 2016 1:17 pm Operator: brittanp
Sample : jc24003-2 Inst : MSF
Misc : op95563a,ef6690,910,,,1,100 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 15 13:39:22 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jul 15 13:11:01 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	199047	40.00	ppm	0.06
24) Naphthalene-d8	5.71	136	834830	40.00	ppm	0.06
47) Acenaphthene-d10	7.16	164	498358	40.00	ppm	0.10
69) Phenanthrene-d10	9.09	188	790027	40.00	ppm	0.13
83) Chrysene-d12	14.43	240	674669	40.00	ppm	0.19
92) Perylene-d12	17.52	264	619266	40.00	ppm	0.24
102) 1,4-Dichlorobenzene-d4b	4.78	152	199047	40.00	ppm	0.06
104) Naphthalene-d8b	5.71	136	834830	40.00	ppm	0.06
106) Acenaphthene-d10b	7.16	164	498358	40.00	ppm	0.10
108) Phenanthrene-d10b	9.09	188	790027	40.00	ppm	0.13
110) Chrysene-d12b	14.43	240	674669	40.00	ppm	0.19

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.00	244	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

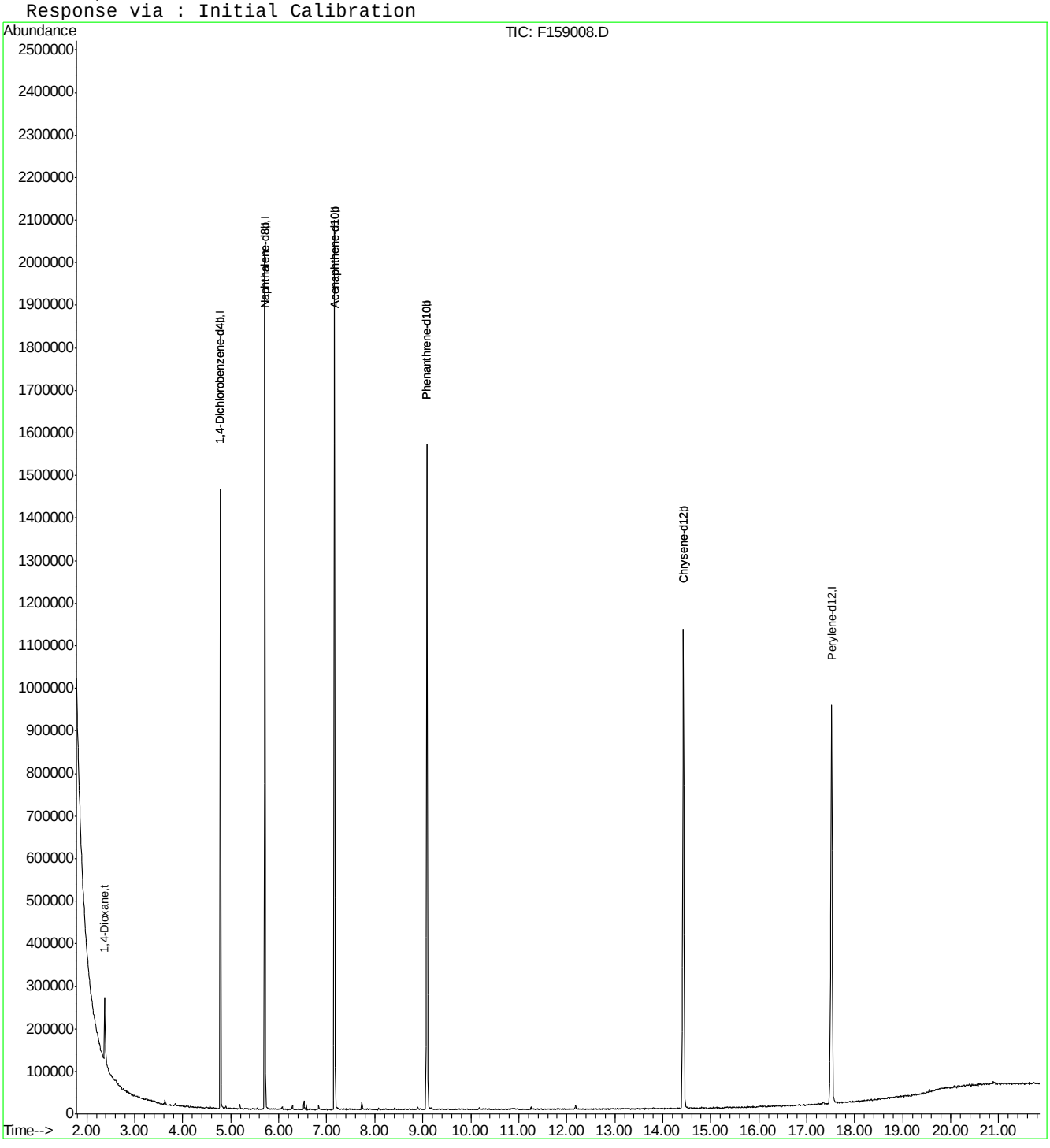
						Qvalue
2) 1,4-Dioxane	2.37	88	102672	28.10	ppm	98

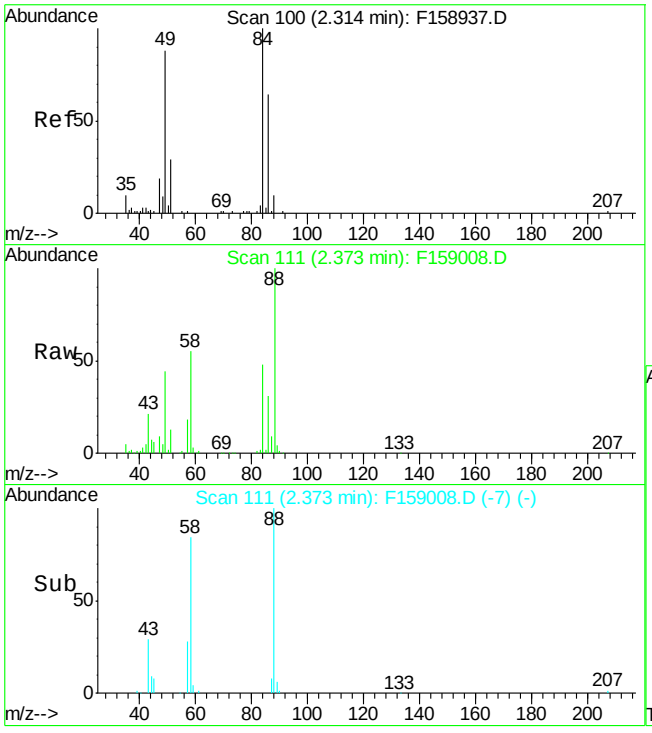
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F159008.D MF6644.M Fri Jul 15 13:50:41 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F159008.D Vial: 40
Acq On : 15 Jul 2016 1:17 pm Operator: brittanp
Sample : jc24003-2 Inst : MSF
Misc : op95563a,ef6690,910,,,1,100 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 15 13:42 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jul 15 13:49:16 2016
Response via : Initial Calibration

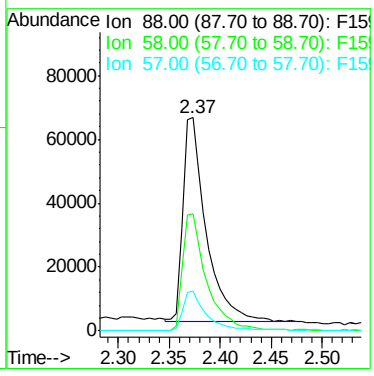




#2
1,4-Dioxane
Concen: 28.10 ppm
RT: 2.37 min Scan# 111
Delta R.T. 0.06 min
Lab File: F159008.D
Acq: 15 Jul 2016 1:17 pm

Tgt Ion: 88 Resp: 102672

Ion	Ratio	Lower	Upper
88	100		
58	57.3	29.3	89.3
57	19.2	0.0	48.7



7.1.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60998.D
Acq On : 14 Jul 2016 5:52 pm
Operator : robertl1
Sample : jc24003-3
Misc : op95563a,e2p2663,910,,,1,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 15 09:15:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 15:34:33 2016
Response via : Initial Calibration

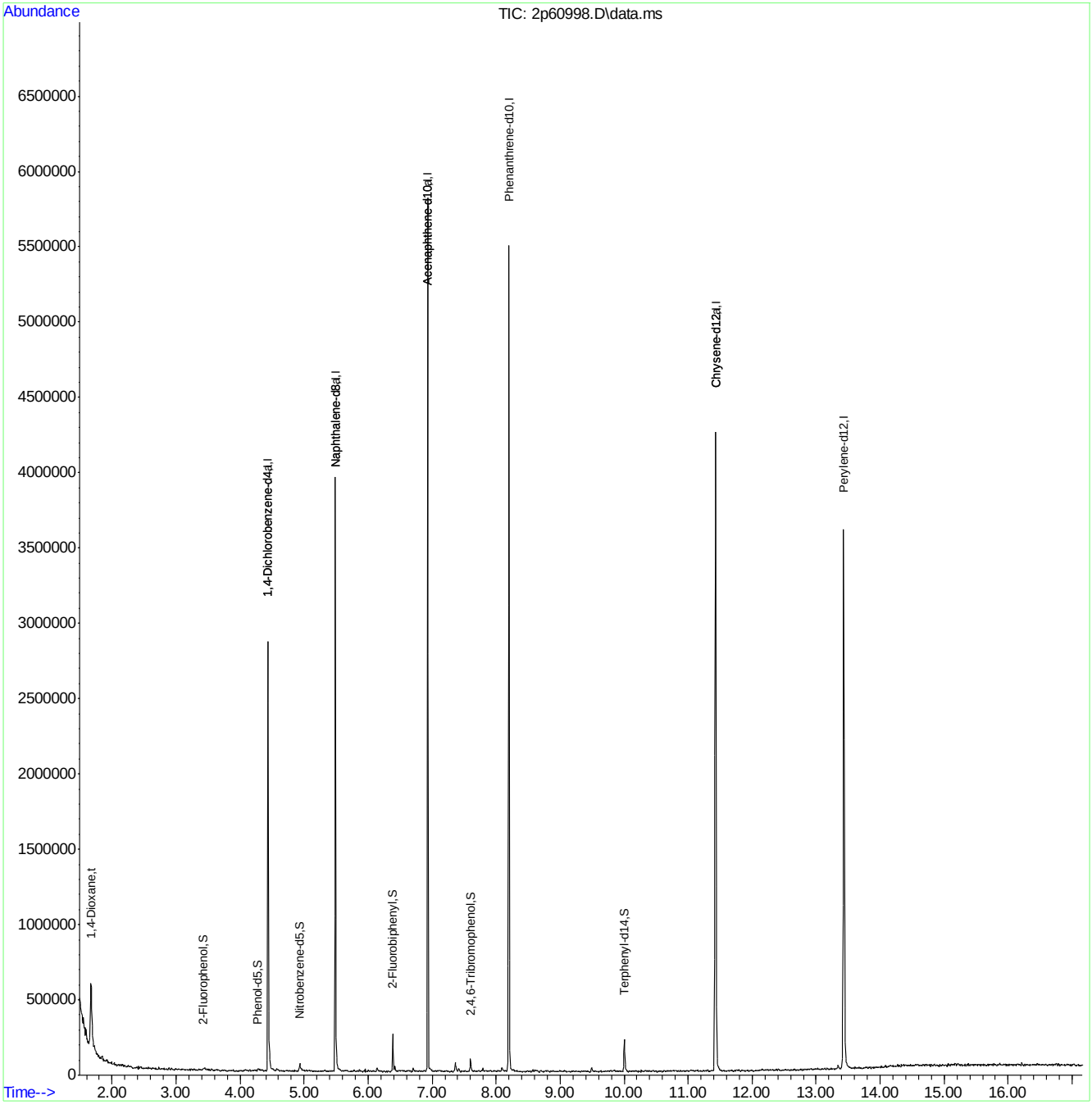
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.434	152	343135	40.00	ppm	-0.03
24) Naphthalene-d8	5.493	136	1211996	40.00	ppm	-0.03
47) Acenaphthene-d10	6.932	164	830902	40.00	ppm	-0.03
69) Phenanthrene-d10	8.199	188	1484574	40.00	ppm	-0.03
83) Chrysene-d12	11.430	240	1748123	40.00	ppm	-0.04
91) Perylene-d12	13.436	264	1561031	40.00	ppm	-0.23
101) 1,4-Dichlorobenzene-d4a	4.434	152	343135	40.00	ppm	-0.10
103) Naphthalene-d8a	5.493	136	1211996	40.00	ppm	-0.10
105) Acenaphthene-d10a	6.932	164	830902	40.00	ppm	-0.10
108) Chrysene-d12a	11.430	240	1748123	40.00	ppm	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	3.423	112	3531	0.29	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.58%#			
8) Phenol-d5	4.273	99	1876	0.13	ppm	0.07
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.26%#			
25) Nitrobenzene-d5	4.926	82	19242	1.48	ppm	-0.01
Spiked Amount 50.000	Range 19 - 61		Recovery = 2.96%#			
51) 2-Fluorobiphenyl	6.386	172	49762	1.84	ppm	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 3.68%#			
73) 2,4,6-Tribromophenol	7.600	330	8319	2.02	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 4.04%#			
85) Terphenyl-d14	10.007	244	65236	1.69	ppm	-0.04
Spiked Amount 50.000	Range 16 - 65		Recovery = 3.38%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.669	88	216539	51.44	ppm	96

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

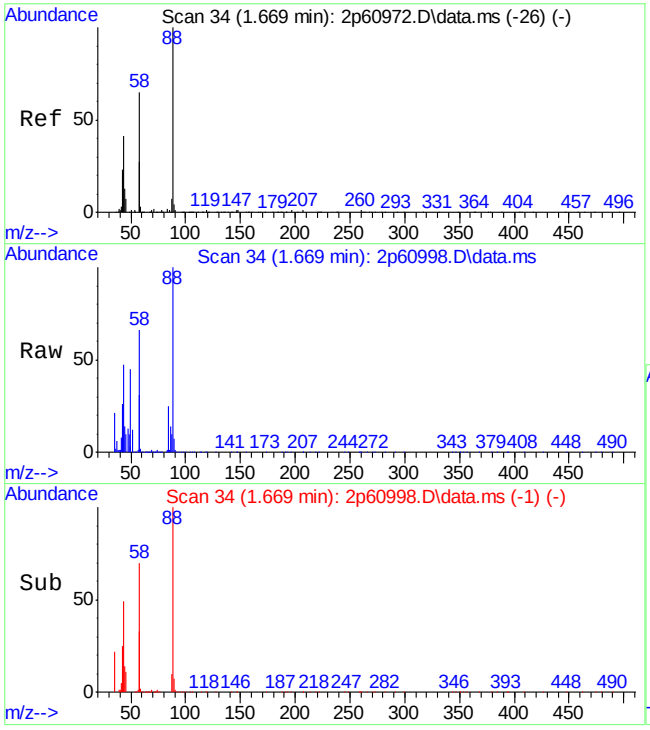
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60998.D
Acq On : 14 Jul 2016 5:52 pm
Operator : robertl1
Sample : jc24003-3
Misc : op95563a,e2p2663,910,,,1,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 15 09:15:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 15:34:33 2016
Response via : Initial Calibration



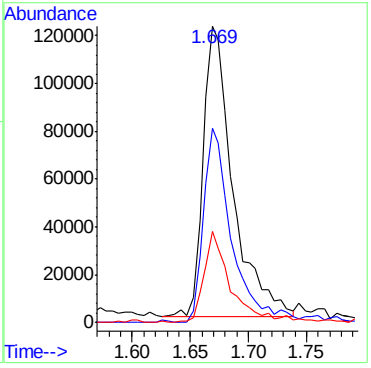
SGS ACCUTEST JC24003



#2
1,4-Dioxane
Concen: 51.44 ppm
RT: 1.669 min Scan# 34
Delta R.T. -0.121 min
Lab File: 2p60998.D
Acq: 14 Jul 2016 5:52 pm

Tgt Ion: 88 Resp: 216539

Ion	Ratio	Lower	Upper
88	100		
58	66.2	37.7	97.7
57	31.1	5.1	65.1



7.1.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55102.D
Acq On : 14 Jul 2016 1:15 pm
Operator : hankc
Sample : jc24003-3
Misc : op95563a,e3p2511,910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 14 15:30:29 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	74812	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	97680	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	148882	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	106593	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	174971	14.48	ppm	-0.11
Spiked Amount 50.000			Recovery = 28.96%			
4) Phenol-d5	6.506	99	180815	11.18	ppm	-0.10
Spiked Amount 50.000			Recovery = 22.36%			
7) Nitrobenzene-d5	8.092	82	425697	35.00	ppm	-0.11
Spiked Amount 50.000			Recovery = 70.00%			
15) 2-Fluorobiphenyl	11.633	172	778166	32.37	ppm	-0.12
Spiked Amount 50.000			Recovery = 64.74%			
20) 2,4,6-Tribromophenol	14.507	330	122280	39.99	ppm	-0.13
Spiked Amount 50.000			Recovery = 79.98%			
28) Terphenyl-d14	18.905	244	614228	31.33	ppm	-0.06
Spiked Amount 50.000			Recovery = 62.66%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.628	88	1489093	197.57	ppm #	1

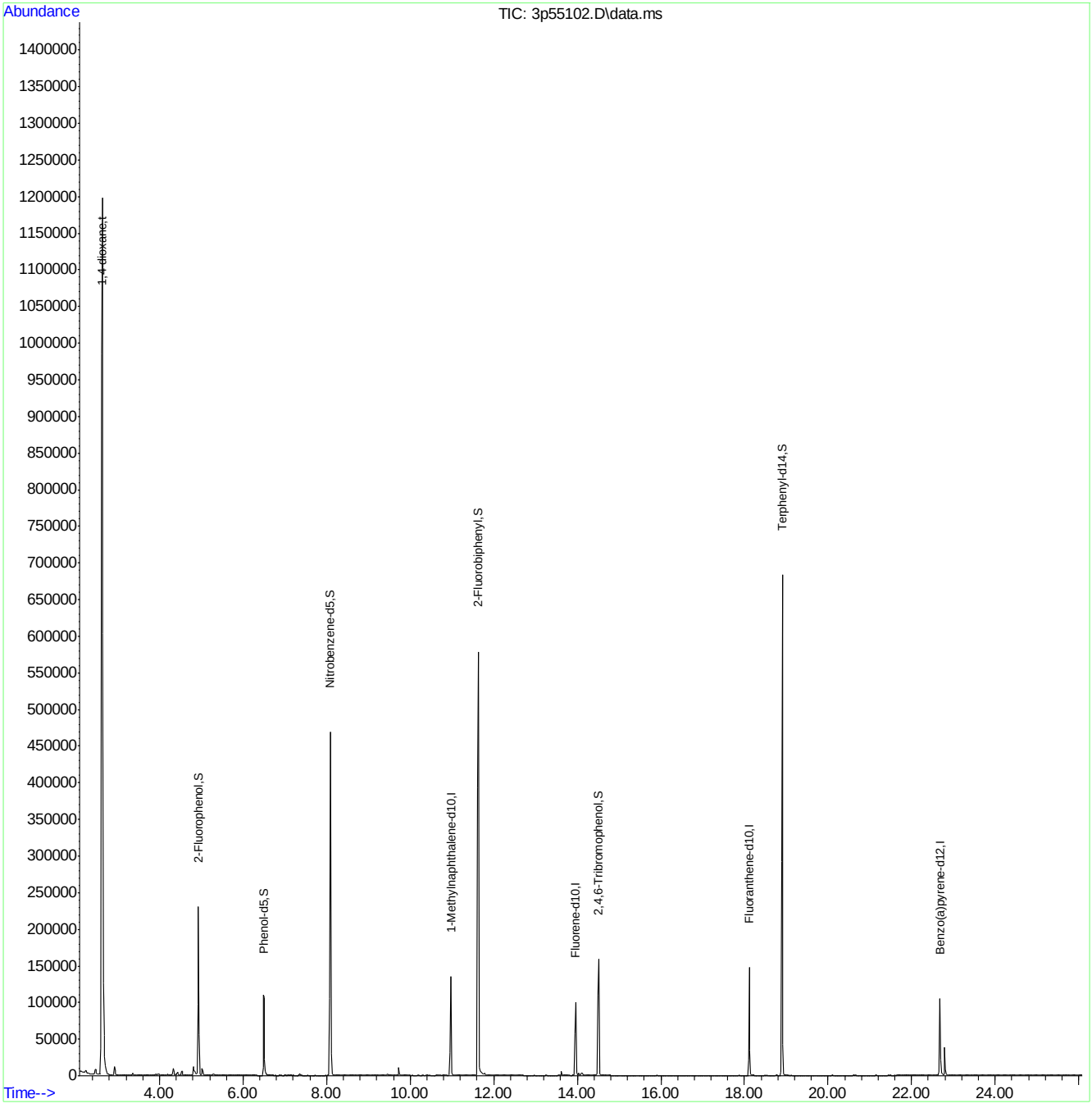
(#) = qualifier out of range (m) = manual integration (+) = signals summed

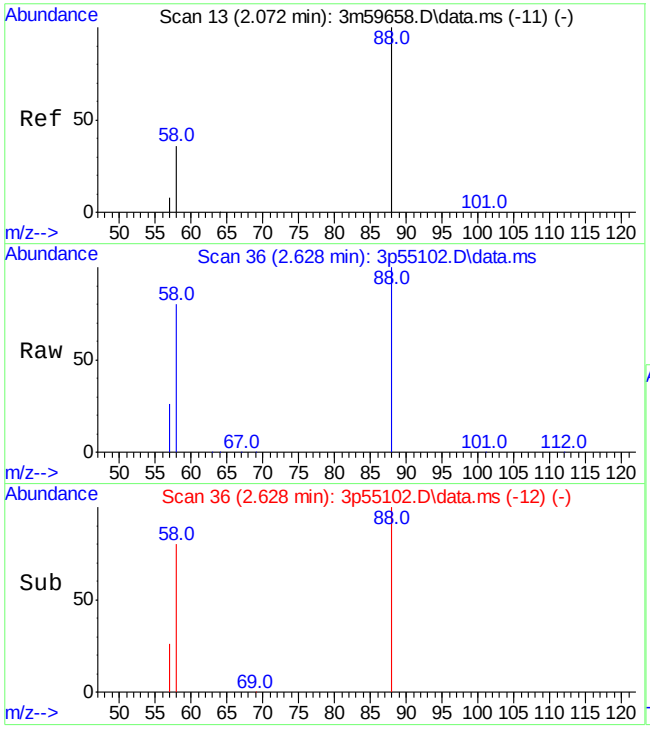
SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55102.D
Acq On : 14 Jul 2016 1:15 pm
Operator : hankc
Sample : jc24003-3
Misc : op95563a,e3p2511,910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 14 15:30:29 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

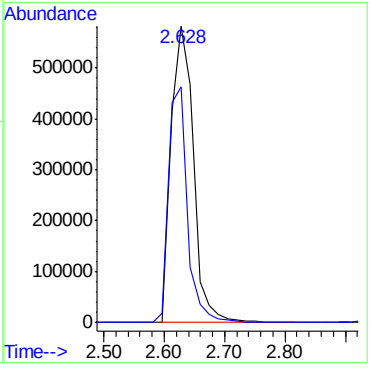




#2
1,4-dioxane
Concen: 197.57 ppm
RT: 2.628 min Scan# 36
Delta R.T. -0.124 min
Lab File: 3p55102.D
Acq: 14 Jul 2016 1:15 pm

Tgt Ion: 88 Resp: 1489093

Ion	Ratio	Lower	Upper
88	100		
58	78.0	0.0	36.3#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60997.D
Acq On : 14 Jul 2016 5:29 pm
Operator : robertl1
Sample : jc24003-4
Misc : op95563a,e2p2663,920
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 15 09:14:13 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 15:34:33 2016
Response via : Initial Calibration

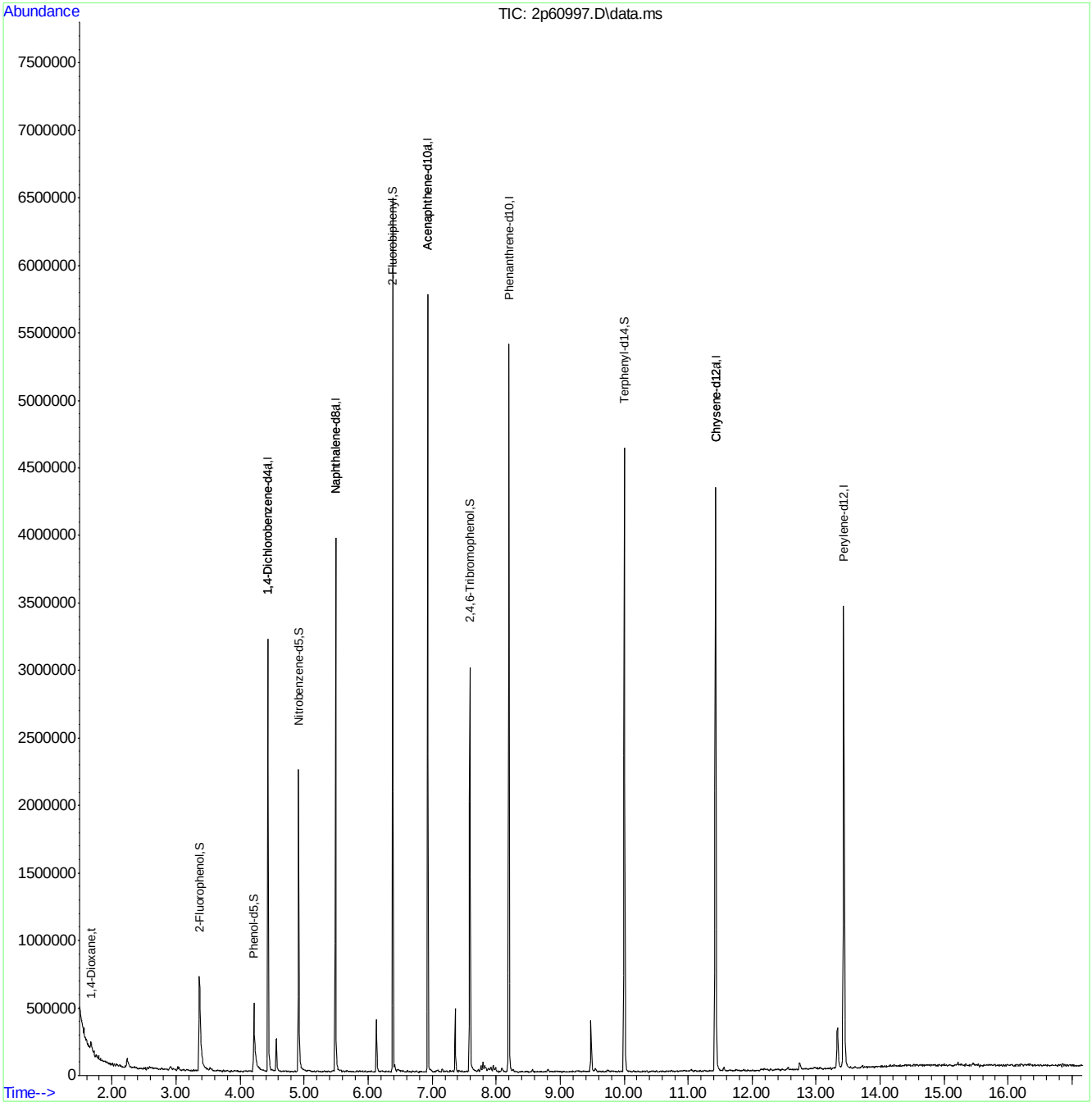
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.434	152	329477	40.00	ppm	-0.03
24) Naphthalene-d8	5.493	136	1245800	40.00	ppm	-0.03
47) Acenaphthene-d10	6.932	164	796725	40.00	ppm	-0.03
69) Phenanthrene-d10	8.199	188	1492480	40.00	ppm	-0.03
83) Chrysene-d12	11.430	240	1697895	40.00	ppm	-0.04
91) Perylene-d12	13.430	264	1512321	40.00	ppm	-0.24
101) 1,4-Dichlorobenzene-d4a	4.434	152	329477	40.00	ppm	-0.10
103) Naphthalene-d8a	5.493	136	1245800	40.00	ppm	-0.10
105) Acenaphthene-d10a	6.932	164	796725	40.00	ppm	-0.10
108) Chrysene-d12a	11.430	240	1697895	40.00	ppm	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	3.364	112	249349	21.61	ppm	-0.05
Spiked Amount 50.000	Range 11 - 58		Recovery = 43.22%			
8) Phenol-d5	4.209	99	217092	16.13	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 32.26%			
25) Nitrobenzene-d5	4.910	82	517553	38.79	ppm	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 77.58%#			
51) 2-Fluorobiphenyl	6.386	172	1191875	46.00	ppm	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 92.00%#			
73) 2,4,6-Tribromophenol	7.590	330	222993	53.73	ppm	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 107.46%#			
85) Terphenyl-d14	10.007	244	1315496	34.99	ppm	-0.04
Spiked Amount 50.000	Range 16 - 65		Recovery = 69.98%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.674	88	26564	6.57	ppm #	65

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

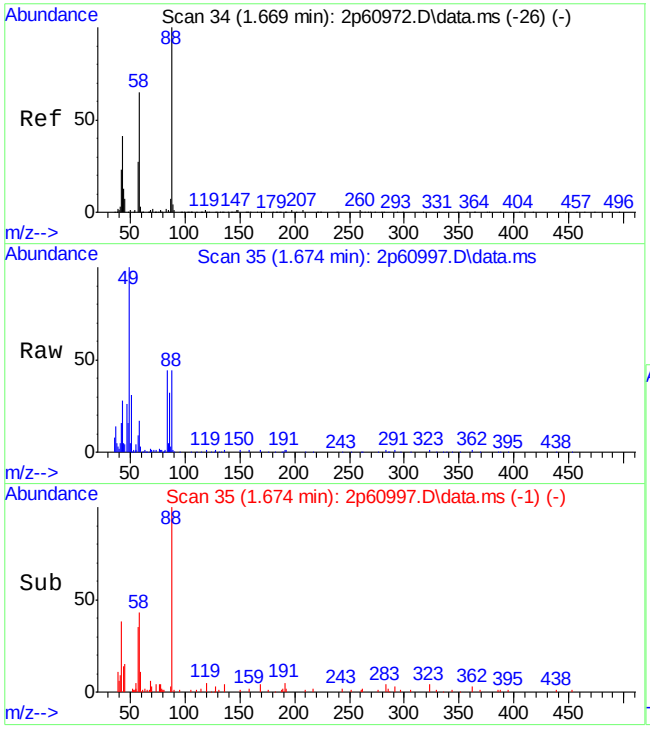
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60997.D
Acq On : 14 Jul 2016 5:29 pm
Operator : robertl1
Sample : jc24003-4
Misc : op95563a,e2p2663,920
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 15 09:14:13 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 15:34:33 2016
Response via : Initial Calibration



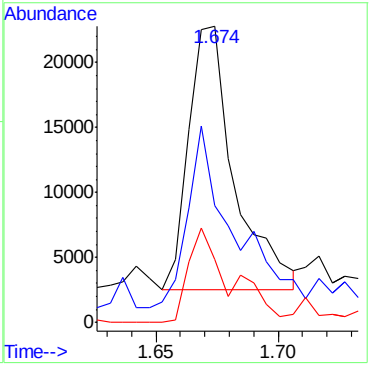
SGS ACCUTEST JC24003



#2
1,4-Dioxane
Concen: 6.57 ppm
RT: 1.674 min Scan# 35
Delta R.T. -0.116 min
Lab File: 2p60997.D
Acq: 14 Jul 2016 5:29 pm

Tgt Ion: 88 Resp: 26564

Ion	Ratio	Lower	Upper
88	100		
58	33.7	37.7	97.7#
57	23.2	5.1	65.1



7.1.6

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55103.D
Acq On : 14 Jul 2016 1:47 pm
Operator : hankc
Sample : jc24003-4
Misc : op95563a,e3p2511,920
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 14 15:24:45 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	60430	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	72950	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	111636	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	80054	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	244017	25.00	ppm	-0.11
Spiked Amount 50.000			Recovery = 50.00%			
4) Phenol-d5	6.493	99	246745	18.89	ppm	-0.11
Spiked Amount 50.000			Recovery = 37.78%			
7) Nitrobenzene-d5	8.092	82	420973	42.85	ppm	-0.11
Spiked Amount 50.000			Recovery = 85.70%			
15) 2-Fluorobiphenyl	11.633	172	741038	41.28	ppm	-0.12
Spiked Amount 50.000			Recovery = 82.56%			
20) 2,4,6-Tribromophenol	14.507	330	137975	60.42	ppm	-0.13
Spiked Amount 50.000			Recovery = 120.84%			
28) Terphenyl-d14	18.905	244	560889	38.16	ppm	-0.06
Spiked Amount 50.000			Recovery = 76.32%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.628	88	49322	8.10	ppm #	1

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

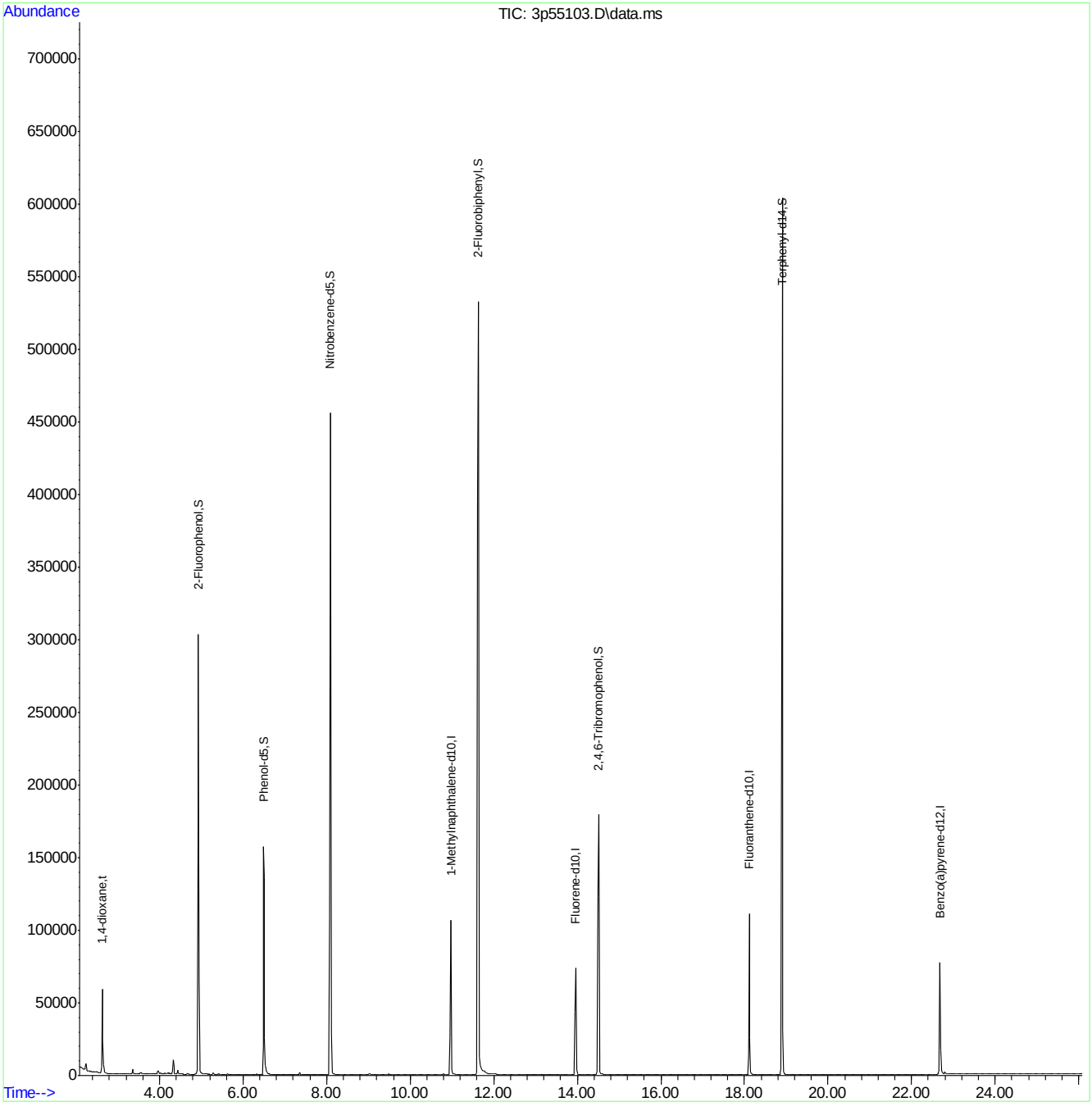
7.1.7

7

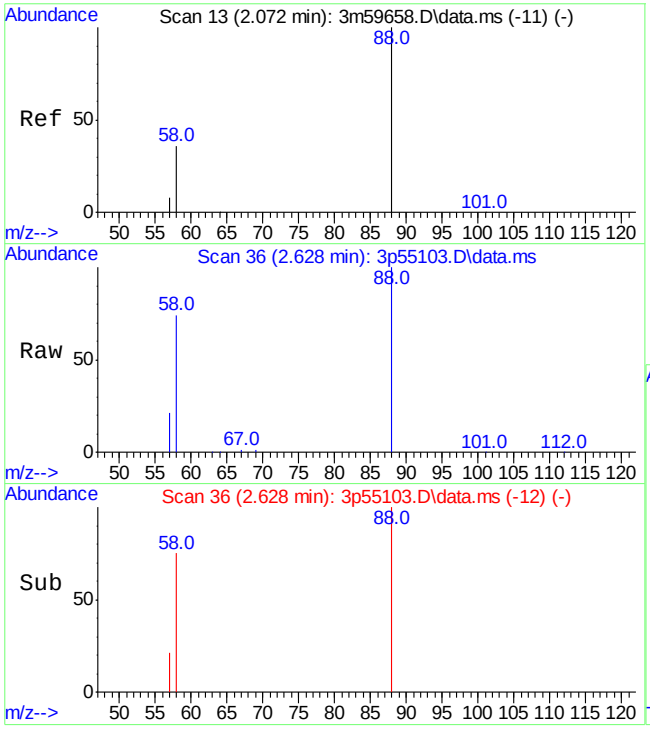
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55103.D
Acq On : 14 Jul 2016 1:47 pm
Operator : hankc
Sample : jc24003-4
Misc : op95563a,e3p2511,920
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 14 15:24:45 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration



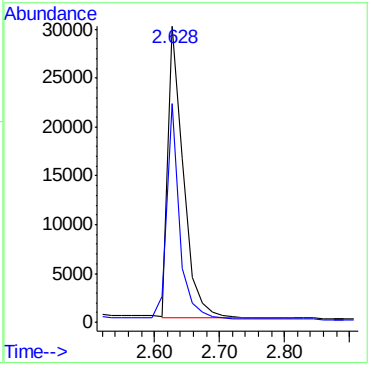
SGS ACCUTEST JC24003



#2
1,4-dioxane
Concen: 8.10 ppm
RT: 2.628 min Scan# 36
Delta R.T. -0.124 min
Lab File: 3p55103.D
Acq: 14 Jul 2016 1:47 pm

Tgt Ion: 88 Resp: 49322

Ion	Ratio	Lower	Upper
88	100		
58	70.3	0.0	36.3#



7.1.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55104.D
Acq On : 14 Jul 2016 2:20 pm
Operator : hankc
Sample : jc24003-5
Misc : op95563a,e3p2511,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 14 15:35:03 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 14:43:59 2016
Response via : Initial Calibration

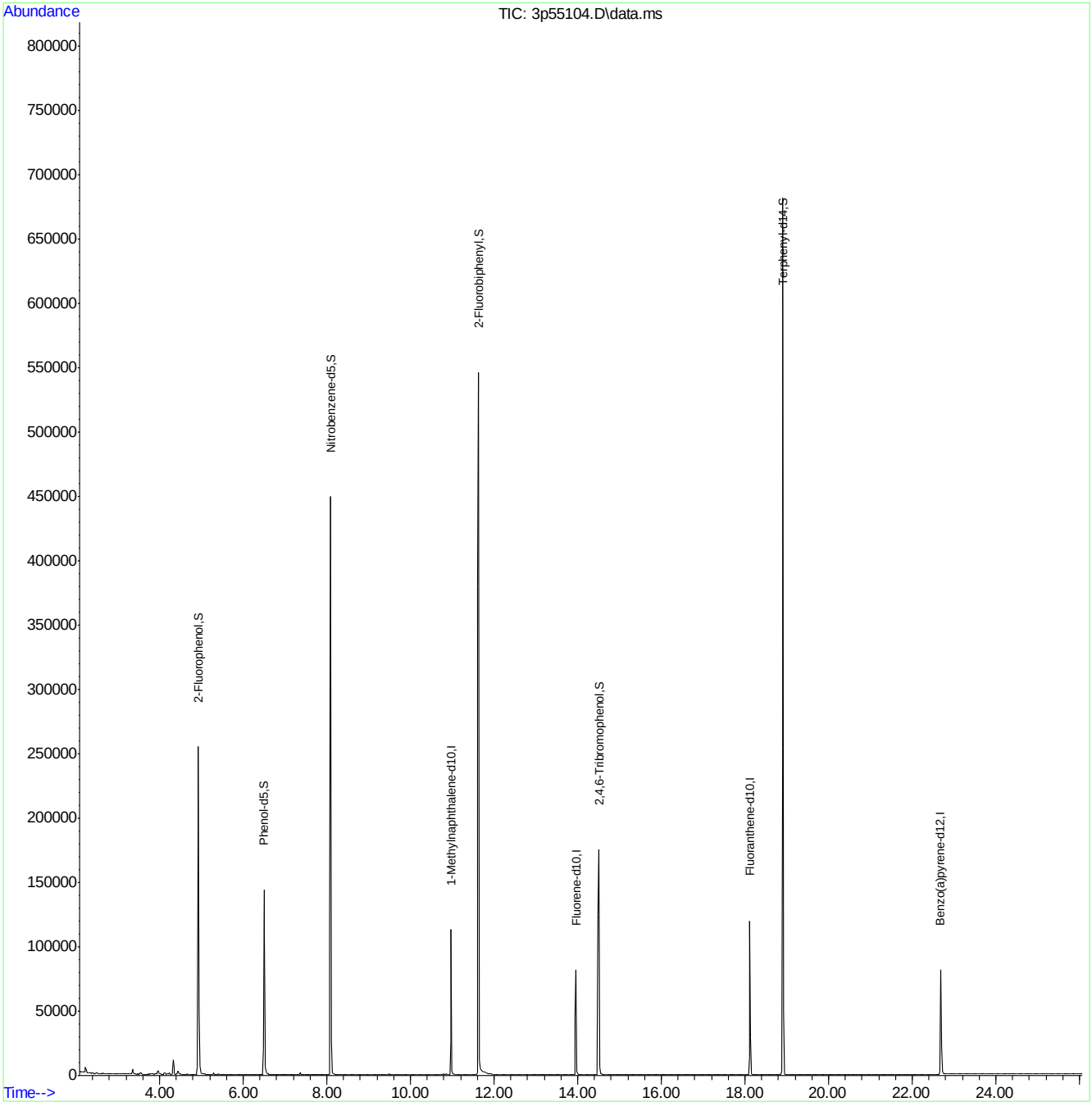
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	64187	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	78573	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	120544	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	86937	4.00	ppm	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	219992	21.22	ppm	-0.11
Spiked Amount 50.000			Recovery = 42.44%			
4) Phenol-d5	6.494	99	214327	15.45	ppm	-0.11
Spiked Amount 50.000			Recovery = 30.90%			
7) Nitrobenzene-d5	8.092	82	419158	40.17	ppm	-0.11
Spiked Amount 50.000			Recovery = 80.34%			
15) 2-Fluorobiphenyl	11.633	172	742092	38.38	ppm	-0.12
Spiked Amount 50.000			Recovery = 76.76%			
20) 2,4,6-Tribromophenol	14.507	330	136486	55.49	ppm	-0.13
Spiked Amount 50.000			Recovery = 110.98%			
28) Terphenyl-d14	18.905	244	593808	37.41	ppm	-0.06
Spiked Amount 50.000			Recovery = 74.82%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55104.D
Acq On : 14 Jul 2016 2:20 pm
Operator : hankc
Sample : jc24003-5
Misc : op95563a,e3p2511,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 14 15:35:03 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 14:43:59 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55097.D
Acq On : 14 Jul 2016 10:32 am
Operator : hankc
Sample : op95563a-mb1
Misc : op95563a,e3p2511,1000
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 14 14:40:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	66628	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	82200	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	119164	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	76601	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	209127	19.43	ppm	-0.11
Spiked Amount 50.000			Recovery = 38.86%			
4) Phenol-d5	6.494	99	214275	14.88	ppm	-0.11
Spiked Amount 50.000			Recovery = 29.76%			
7) Nitrobenzene-d5	8.092	82	364179	33.62	ppm	-0.11
Spiked Amount 50.000			Recovery = 67.24%			
15) 2-Fluorobiphenyl	11.633	172	673080	33.27	ppm	-0.12
Spiked Amount 50.000			Recovery = 66.54%			
20) 2,4,6-Tribromophenol	14.507	330	119094	46.28	ppm	-0.13
Spiked Amount 50.000			Recovery = 92.56%			
28) Terphenyl-d14	18.905	244	539738	34.40	ppm	-0.06
Spiked Amount 50.000			Recovery = 68.80%			
Target Compounds						Qvalue

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

7.2.1

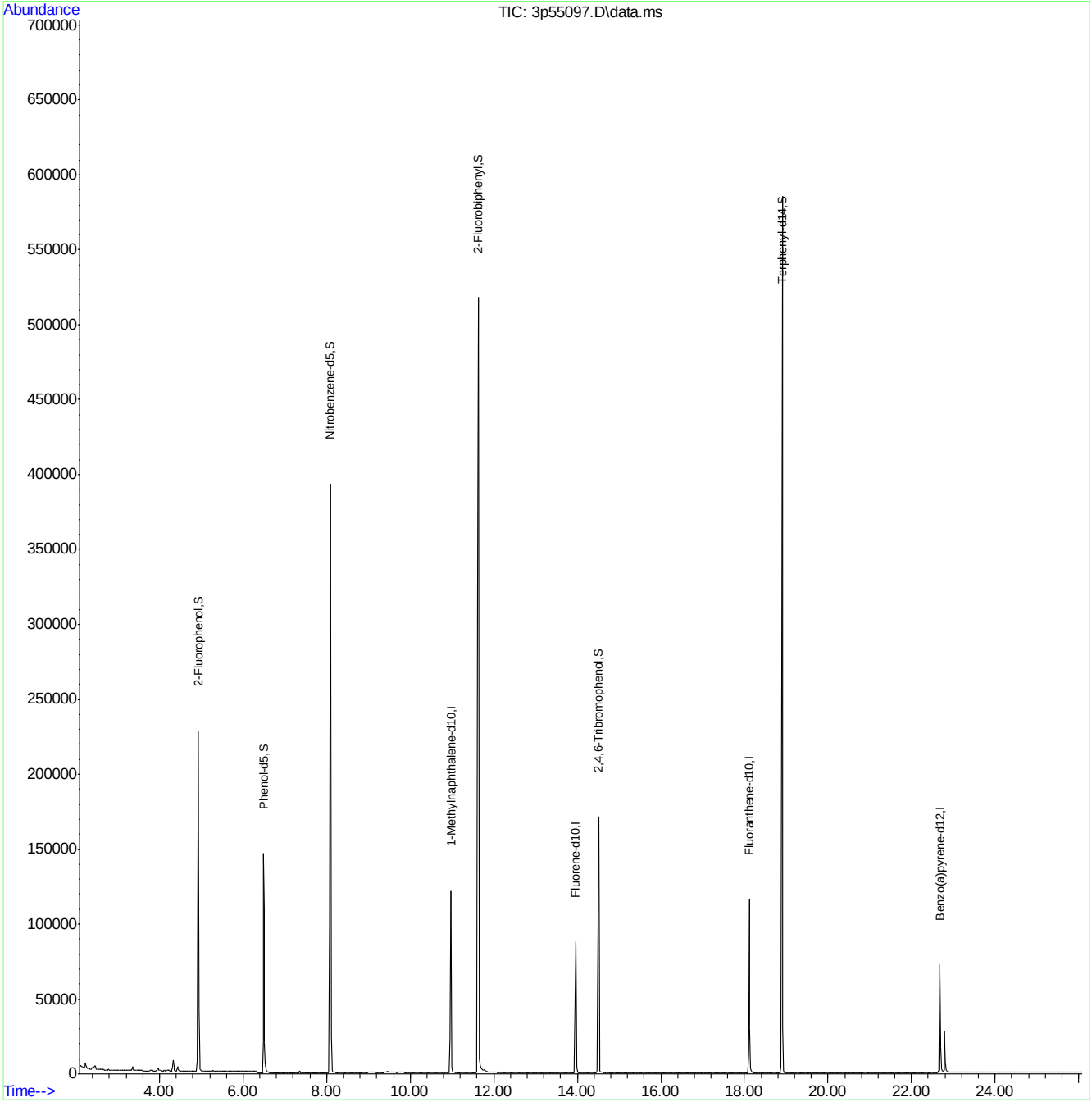
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55097.D
Acq On : 14 Jul 2016 10:32 am
Operator : hankc
Sample : op95563a-mb1
Misc : op95563a,e3p2511,1000
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 14 14:40:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration



M3P2503SIM.M Thu Jul 14 14:40:45 2016 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60994.D
Acq On : 14 Jul 2016 4:22 pm
Operator : robertl1
Sample : op95563a-mb1
Misc : op95563a,e2p2663,1000
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 14 16:44:25 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 15:34:33 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.434	152	354838	40.00 ppm	-0.03
24) Naphthalene-d8	5.493	136	1336036	40.00 ppm	-0.03
47) Acenaphthene-d10	6.932	164	874197	40.00 ppm	-0.03
69) Phenanthrene-d10	8.199	188	1643856	40.00 ppm	-0.03
83) Chrysene-d12	11.430	240	1822266	40.00 ppm	-0.04
91) Perylene-d12	13.436	264	1638569	40.00 ppm	-0.23
101) 1,4-Dichlorobenzene-d4a	4.434	152	354838	40.00 ppm	-0.10
103) Naphthalene-d8a	5.493	136	1336036	40.00 ppm	-0.10
105) Acenaphthene-d10a	6.932	164	874197	40.00 ppm	-0.10
108) Chrysene-d12a	11.430	240	1822266	40.00 ppm	-0.16
System Monitoring Compounds					
5) 2-Fluorophenol	3.380	112	248160	19.97 ppm	-0.04
Spiked Amount 50.000	Range 11 - 58		Recovery = 39.94%		
8) Phenol-d5	4.225	99	204705	14.12 ppm	0.02
Spiked Amount 50.000	Range 10 - 59		Recovery = 28.24%		
25) Nitrobenzene-d5	4.910	82	529358	37.00 ppm	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 74.00%#		
51) 2-Fluorobiphenyl	6.386	172	1147229	40.35 ppm	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 80.70%#		
73) 2,4,6-Tribromophenol	7.590	330	210215	45.98 ppm	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 91.96%#		
85) Terphenyl-d14	10.007	244	1448185	35.89 ppm	-0.04
Spiked Amount 50.000	Range 16 - 65		Recovery = 71.78%#		

Target Compounds Qvalue

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

7.2.2

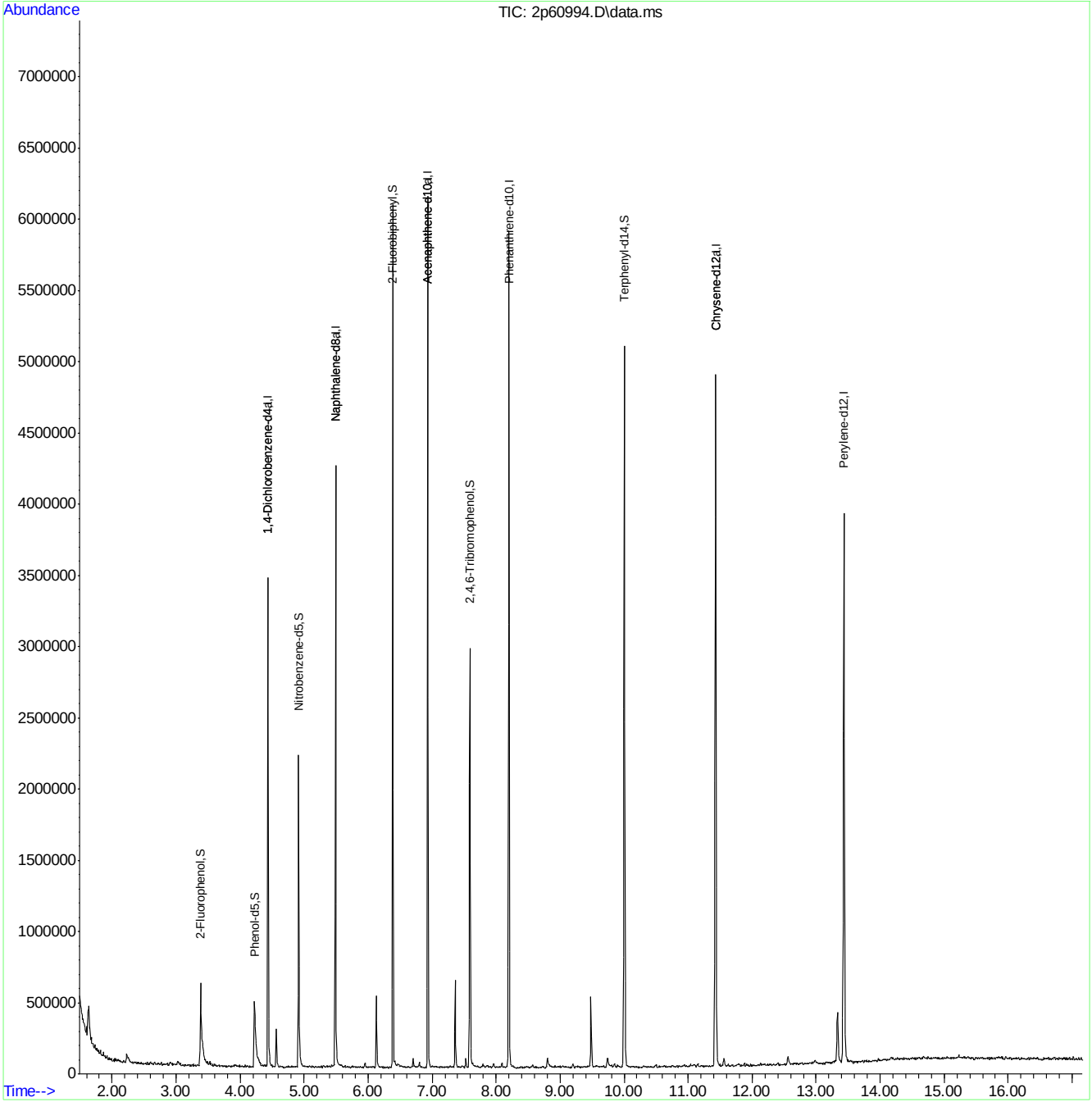
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60994.D
Acq On : 14 Jul 2016 4:22 pm
Operator : robertl1
Sample : op95563a-mb1
Misc : op95563a,e2p2663,1000
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 14 16:44:25 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 14 15:34:33 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F159007.D Vial: 39
Acq On : 15 Jul 2016 12:16 pm Operator: brittanp
Sample : op95563a-mb1 Inst : MSF
Misc : op95563a,ef6690,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 15 12:38:23 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jul 15 10:28:16 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	228861	40.00	ppm	0.06
24) Naphthalene-d8	5.71	136	975626	40.00	ppm	0.06
47) Acenaphthene-d10	7.16	164	577915	40.00	ppm	0.10
69) Phenanthrene-d10	9.08	188	900130	40.00	ppm	0.12
83) Chrysene-d12	14.42	240	753346	40.00	ppm	0.18
92) Perylene-d12	17.51	264	688341	40.00	ppm	0.24
102) 1,4-Dichlorobenzene-d4b	4.78	152	228861	40.00	ppm	0.06
104) Naphthalene-d8b	5.71	136	975626	40.00	ppm	0.06
106) Acenaphthene-d10b	7.16	164	577915	40.00	ppm	0.10
108) Phenanthrene-d10b	9.08	188	900130	40.00	ppm	0.12
110) Chrysene-d12b	14.42	240	753346	40.00	ppm	0.18
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	230180	27.01	ppm	0.00
Spiked Amount 50.000			Recovery = 54.02%			
8) Phenol-d5	4.56	99	207473	18.81	ppm	0.07
Spiked Amount 50.000			Recovery = 37.62%			
25) Nitrobenzene-d5	5.19	82	416002	42.62	ppm	0.07
Spiked Amount 50.000			Recovery = 85.24%			
51) 2-Fluorobiphenyl	6.52	172	675893	37.17	ppm	0.08
Spiked Amount 50.000			Recovery = 74.34%			
73) 2,4,6-Tribromophenol	8.08	330	73591	45.25	ppm	0.10
Spiked Amount 50.000			Recovery = 90.50%			
85) Terphenyl-d14	12.19	244	599278	39.93	ppm	0.16
Spiked Amount 50.000			Recovery = 79.86%			
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phthalate	14.80	149	8152	1.89	ppm	91

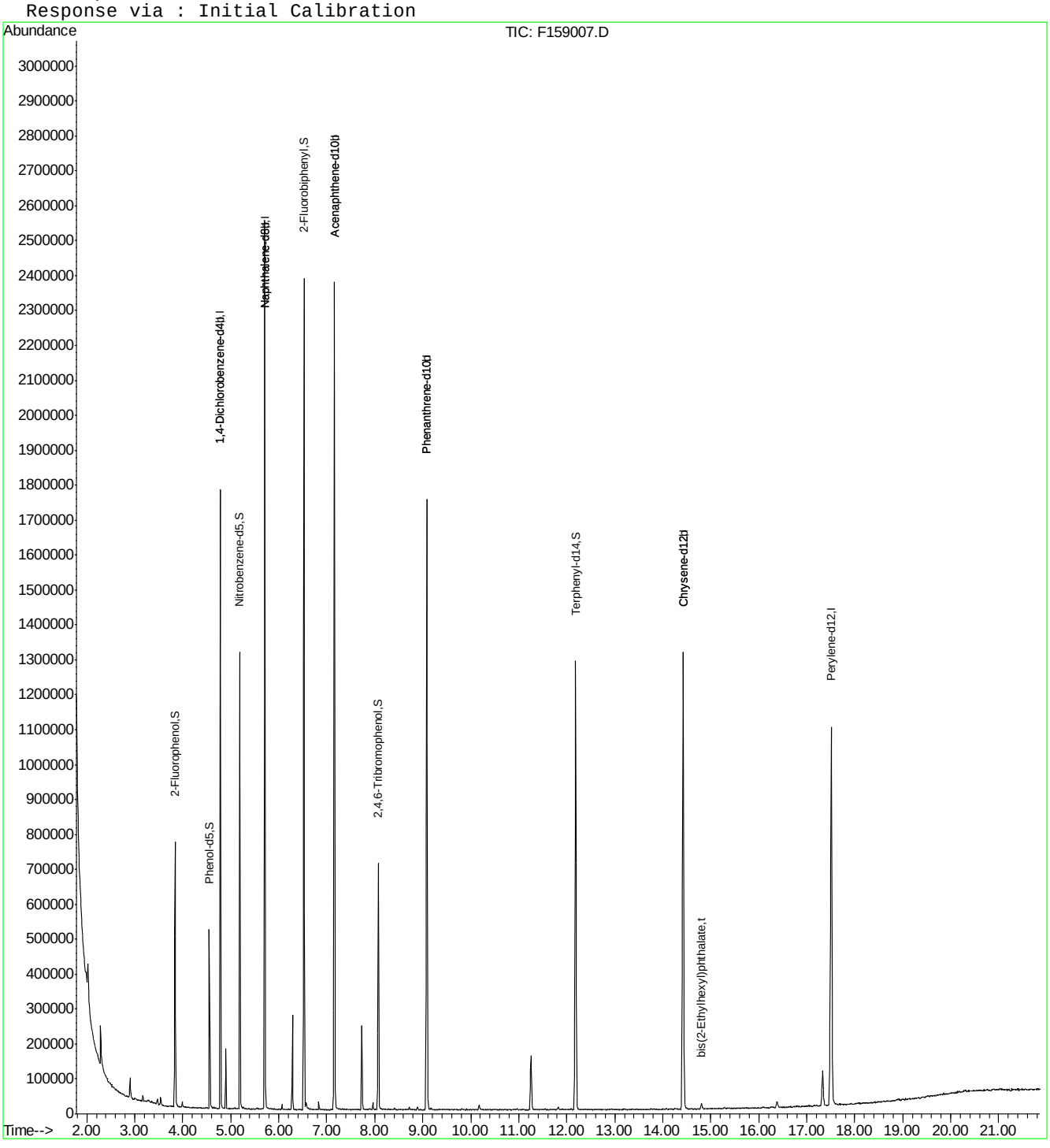
(#) = qualifier out of range (m) = manual integration (+) = signals summed

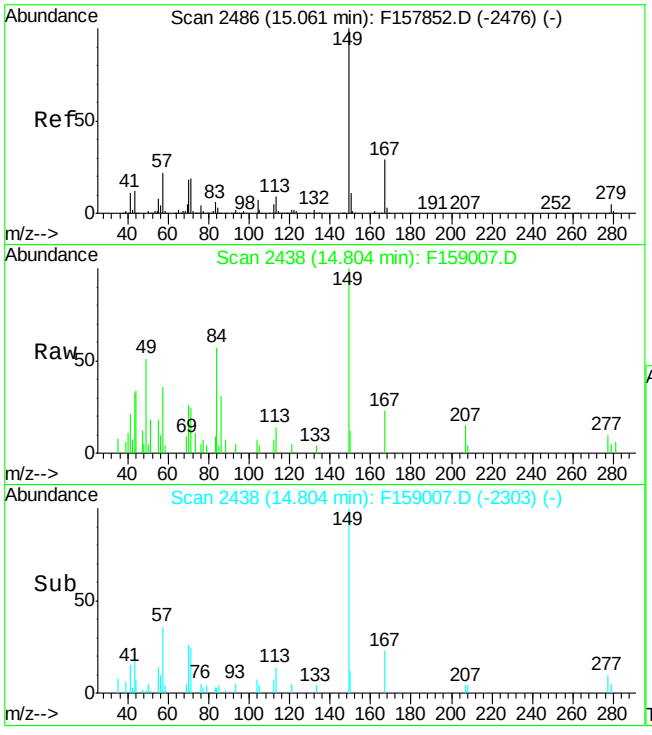
SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F159007.D Vial: 39
Acq On : 15 Jul 2016 12:16 pm Operator: brittanp
Sample : op95563a-mb1 Inst : MSF
Misc : op95563a,ef6690,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 15 13:13 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jul 15 13:11:47 2016
Response via : Initial Calibration

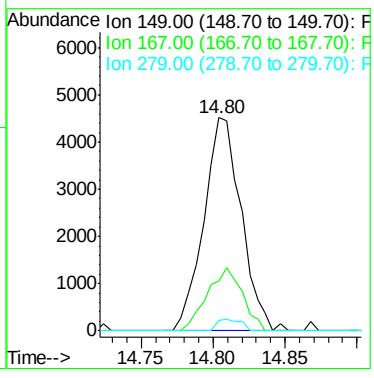




#91
bis(2-Ethylhexyl)phthalate
Concen: 1.89 ppm
RT: 14.80 min Scan# 2438
Delta R.T. 0.22 min
Lab File: F159007.D
Acq: 15 Jul 2016 12:16 pm

Tgt Ion:149 Resp: 8152

Ion	Ratio	Lower	Upper
149	100		
167	23.3	0.0	58.7
279	5.0	0.0	35.3



7.2.3

7

SGS ACCUTEST JC24003

Manual Integrations APPROVED (compounds with "m" flag)
Kristi Schollenberger 07/14/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55098.D
Acq On : 14 Jul 2016 11:04 am
Operator : hankc
Sample : op95563a-bs12
Misc : op95563a,e3p2511,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 14 14:45:29 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	60459	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	79926	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	117292	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	76465	4.00	ppm	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	249360	25.54	ppm	-0.11
Spiked Amount 50.000			Recovery = 51.08%			
4) Phenol-d5	6.506	99	246772	18.89	ppm	-0.10
Spiked Amount 50.000			Recovery = 37.78%			
7) Nitrobenzene-d5	8.092	82	393094	39.99	ppm	-0.11
Spiked Amount 50.000			Recovery = 79.98%			
15) 2-Fluorobiphenyl	11.633	172	696624	35.42	ppm	-0.12
Spiked Amount 50.000			Recovery = 70.84%			
20) 2,4,6-Tribromophenol	14.507	330	131102	52.40	ppm	-0.13
Spiked Amount 50.000			Recovery = 104.80%			
28) Terphenyl-d14	18.905	244	587480	38.04	ppm	-0.06
Spiked Amount 50.000			Recovery = 76.08%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.628	88	3157	0.52	ppm #	1
5) Phenol	6.518	94	26154	2.43	ppm #	82
6) bis(2-Chloroethyl)ether	6.651	93	9194	0.85	ppm	87
8) Nitrobenzene	8.130	77	8545	0.78	ppm	84
9) Naphthalene	9.485	128	32718	0.82	ppm	98
10) Hexachlorobutadiene	9.787	225	4816	0.72	ppm	76
11) 2-Methylnaphthalene	10.854	141	16407	0.77	ppm	87
13) Hexachlorocyclopentadiene	11.202	237	2114	0.64	ppm	81
16) Acenaphthylene	12.617	152	21827	0.77	ppm	60
17) Acenaphthene	12.967	153	17400	0.97	ppm	78
18) 4,6-dinitro-2-methylph...	14.168	198	8327	5.72	ppm	97
19) Fluorene	13.998	166	16221	0.96	ppm	80
22) Hexachlorobenzene	15.118	284	6083	0.94	ppm	77
23) Pentachlorophenol	15.535	266	13495	4.62	ppm	92
24) Phenanthrene	15.906	178	27620	1.01	ppm	97
25) Anthracene	16.014	178	17809	0.76	ppm	91
26) Fluoranthene	18.148	202	24547	1.04	ppm	100
27) Pyrene	18.534	202	24382	0.93	ppm	98
29) Benzo[a]anthracene	20.604	228	17023	0.77	ppm	95
30) Chrysene	20.651	228	20945	0.83	ppm	95
32) Benzo[b]fluoranthene	22.273	252	18154	0.72	ppm	92
33) Benzo[k]fluoranthene	22.304	252	12801m	0.60	ppm	
34) Benzo[a]pyrene	22.718	252	13451	0.67	ppm	94
35) Indeno[1,2,3-cd]pyrene	24.279	276	15079	0.68	ppm	93
36) Dibenz[a,h]anthracene	24.317	278	12527	0.74	ppm	61
37) Benzo[g,h,i]perylene	24.674	276	14244	0.66	ppm	87

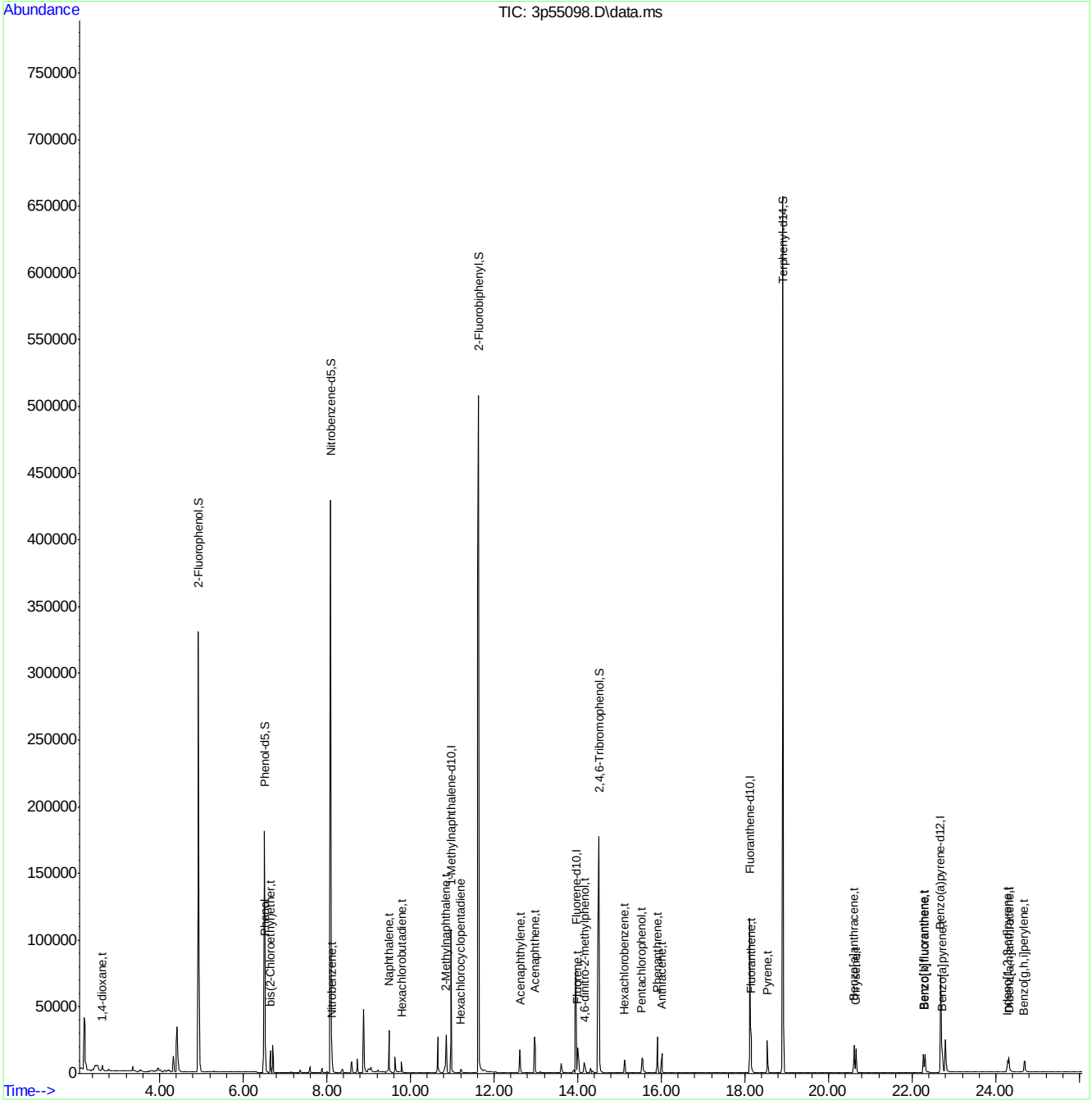
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55098.D
Acq On : 14 Jul 2016 11:04 am
Operator : hankc
Sample : op95563a-bs12
Misc : op95563a,e3p2511,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 14 14:45:29 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Manual Integration Approval Summary

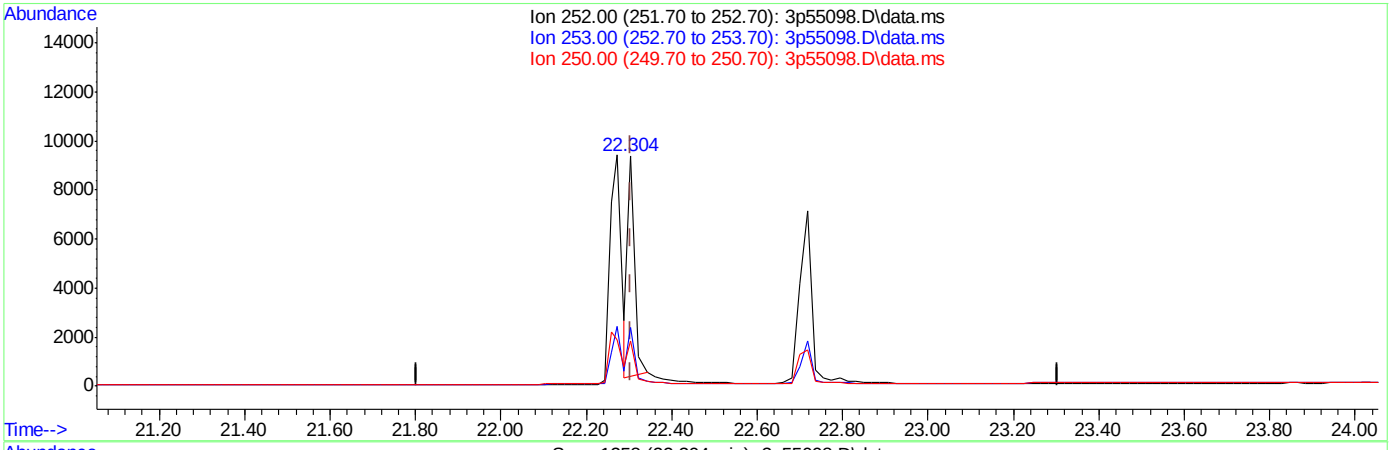
Sample Number:	OP95563A-BS12	**Method:**	SW846 8270D BY SIM
Lab FileID:	3P55098.D	**Analyst approved:**	07/14/16 15:47 Hank Chao
Injection Time:	07/14/16 11:04	**Supervisor approved:**	07/14/16 16:20 Kristi Schollenberger

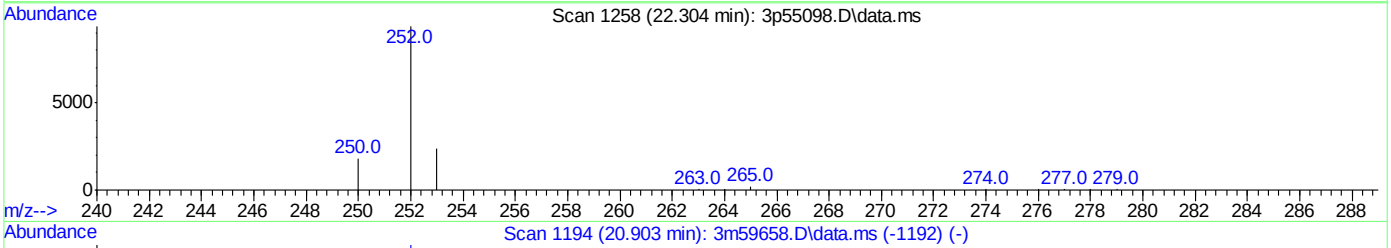
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		22.30	Overlapping peak

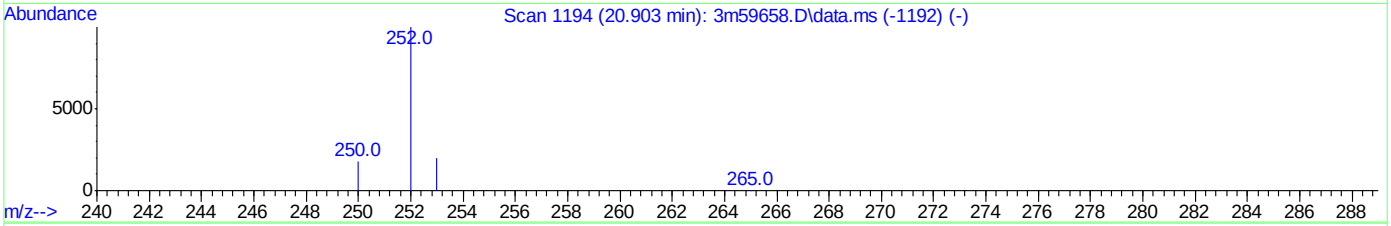
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55098.D
Acq On : 14 Jul 2016 11:04 am
Operator : hankc
Sample : op95563a-bs12
Misc : op95563a,e3p2511,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 14 14:45:11 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration







TIC: 3p55098.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.304min (-0.000) 0.48ppm

response 10336

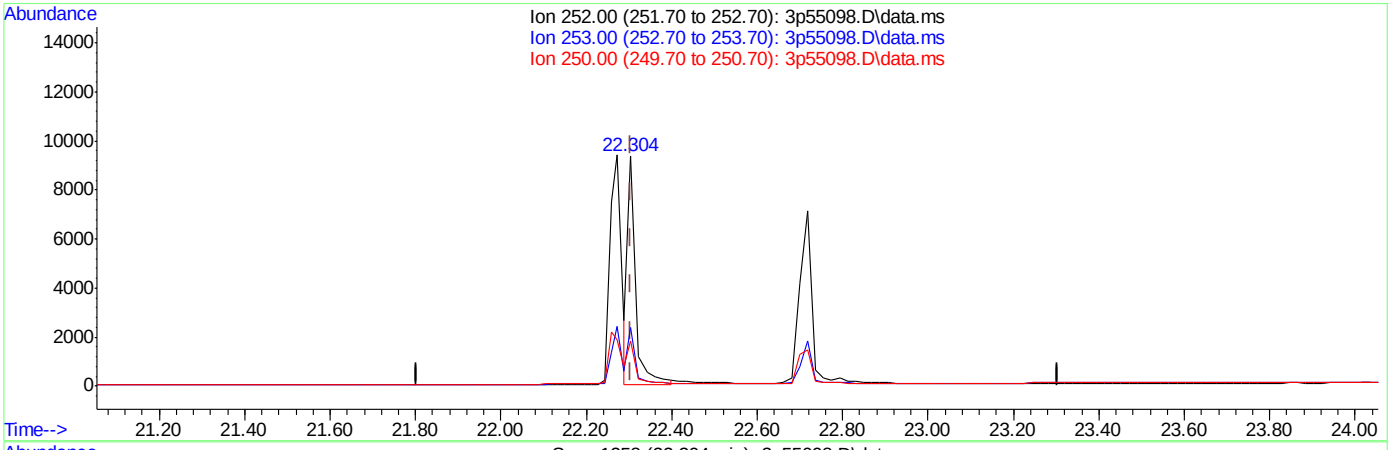
Ion	Exp%	Act%
252.00	100	100
253.00	25.40	25.48
250.00	19.50	17.25
0.00	0.00	0.00

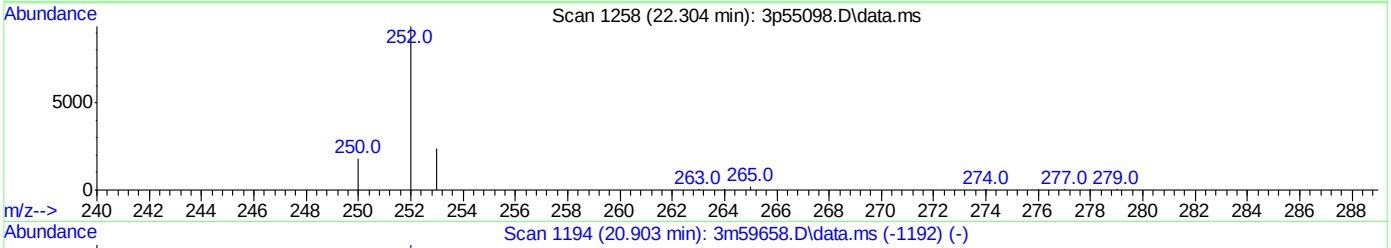
SGS ACCUTEST JC24003

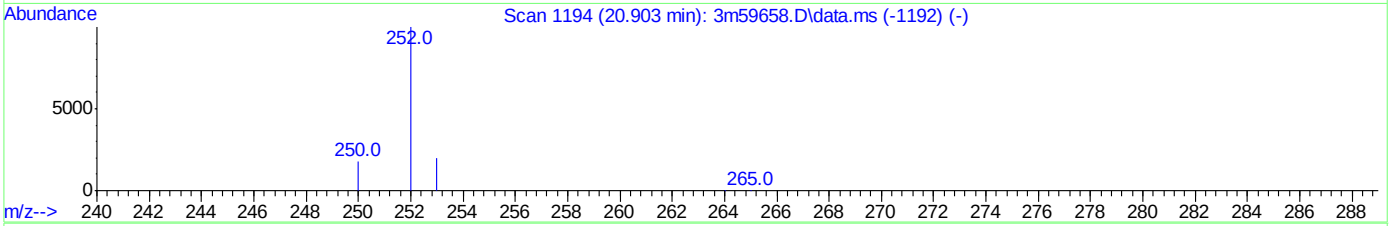
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55098.D
Acq On : 14 Jul 2016 11:04 am
Operator : hankc
Sample : op95563a-bs12
Misc : op95563a,e3p2511,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 14 14:45:11 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration







TIC: 3p55098.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.304min (-0.000) 0.60ppm m

response 12801

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	25.42
250.00	19.50	19.51
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kristi Schollenberger 07/14/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55099.D
Acq On : 14 Jul 2016 11:37 am
Operator : hankc
Sample : op95563a-bsd12
Misc : op95563a,e3p2511,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 14 14:47:23 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration

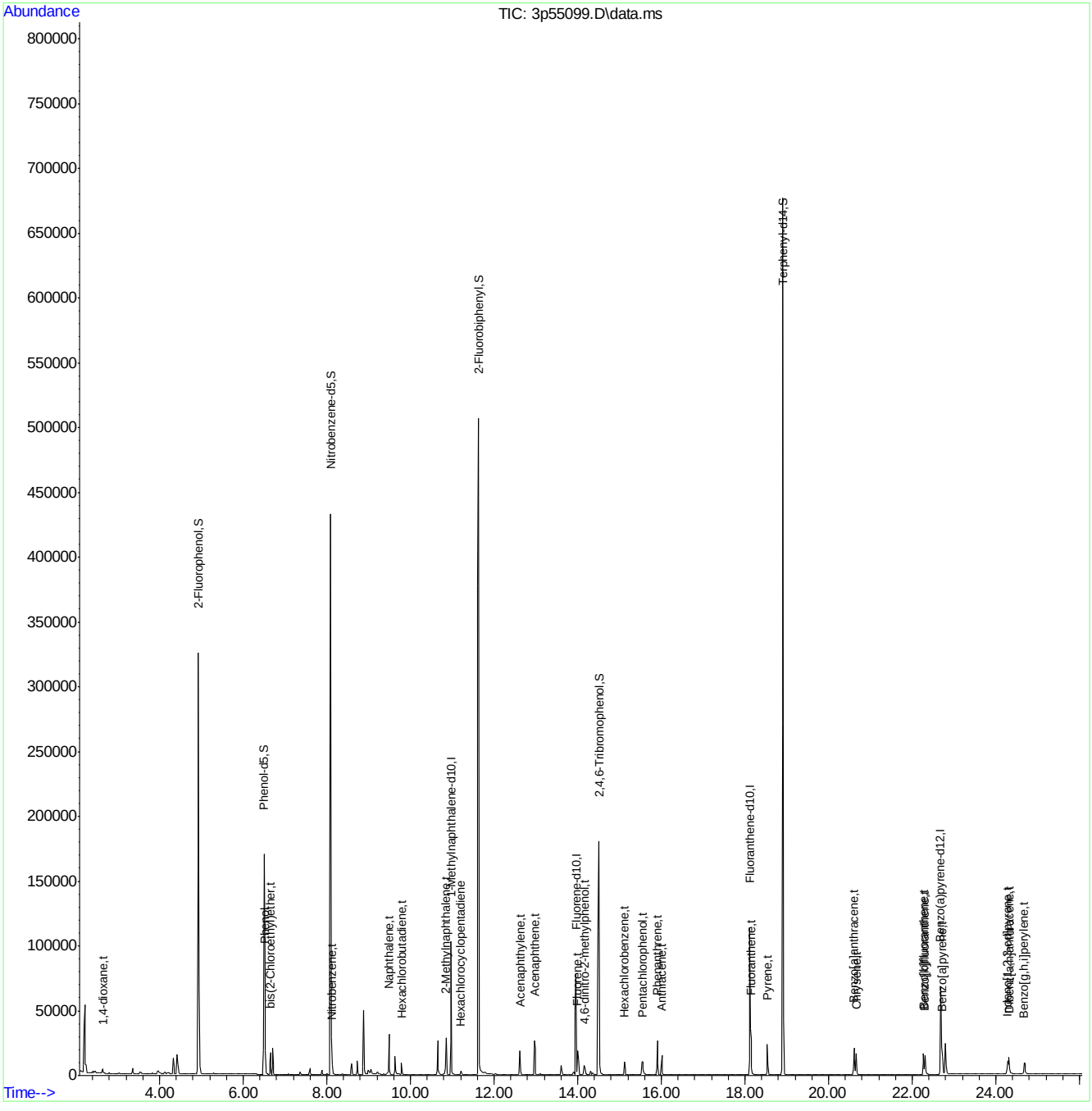
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	58984	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	78410	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	115538	4.00	ppm	-0.08
31) Benzo(a)pyrene-d12	22.680	264	72224	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	252939	26.55	ppm	-0.11
Spiked Amount 50.000			Recovery = 53.10%			
4) Phenol-d5	6.494	99	251615	19.74	ppm	-0.11
Spiked Amount 50.000			Recovery = 39.48%			
7) Nitrobenzene-d5	8.092	82	395708	41.26	ppm	-0.11
Spiked Amount 50.000			Recovery = 82.52%			
15) 2-Fluorobiphenyl	11.633	172	701915	36.38	ppm	-0.12
Spiked Amount 50.000			Recovery = 72.76%			
20) 2,4,6-Tribromophenol	14.507	330	133175	54.26	ppm	-0.13
Spiked Amount 50.000			Recovery = 108.52%			
28) Terphenyl-d14	18.905	244	598028	39.31	ppm	-0.06
Spiked Amount 50.000			Recovery = 78.62%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.643	88	3186	0.54	ppm	63
5) Phenol	6.518	94	26447	2.53	ppm #	78
6) bis(2-Chloroethyl)ether	6.651	93	9384	0.89	ppm	87
8) Nitrobenzene	8.130	77	8677	0.82	ppm	83
9) Naphthalene	9.486	128	32953	0.85	ppm	98
10) Hexachlorobutadiene	9.787	225	5124	0.78	ppm	78
11) 2-Methylnaphthalene	10.854	141	16371	0.78	ppm	85
13) Hexachlorocyclopentadiene	11.202	237	2171	0.66	ppm	79
16) Acenaphthylene	12.618	152	22969	0.83	ppm	60
17) Acenaphthene	12.968	153	17714	1.01	ppm	76
18) 4,6-dinitro-2-methylph...	14.168	198	7854	5.55	ppm	97
19) Fluorene	13.998	166	16519	1.00	ppm	78
22) Hexachlorobenzene	15.118	284	6213	0.97	ppm	76
23) Pentachlorophenol	15.551	266	13104	4.56	ppm	91
24) Phenanthrene	15.906	178	27519	1.02	ppm	97
25) Anthracene	16.015	178	18083	0.79	ppm	92
26) Fluoranthene	18.148	202	24794	1.07	ppm	99
27) Pyrene	18.534	202	24178	0.93	ppm	99
29) Benzo[a]anthracene	20.605	228	16991	0.79	ppm	94
30) Chrysene	20.666	228	21363	0.86	ppm	87
32) Benzo[b]fluoranthene	22.273	252	18661m	0.78	ppm	
33) Benzo[k]fluoranthene	22.304	252	13766m	0.68	ppm	
34) Benzo[a]pyrene	22.718	252	14149	0.75	ppm	95
35) Indeno[1,2,3-cd]pyrene	24.279	276	16688	0.80	ppm	93
36) Dibenz[a,h]anthracene	24.317	278	14259	0.89	ppm	63
37) Benzo[g,h,i]perylene	24.674	276	15551	0.76	ppm	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55099.D
Acq On : 14 Jul 2016 11:37 am
Operator : hankc
Sample : op95563a-bsd12
Misc : op95563a,e3p2511,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 14 14:47:23 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Manual Integration Approval Summary

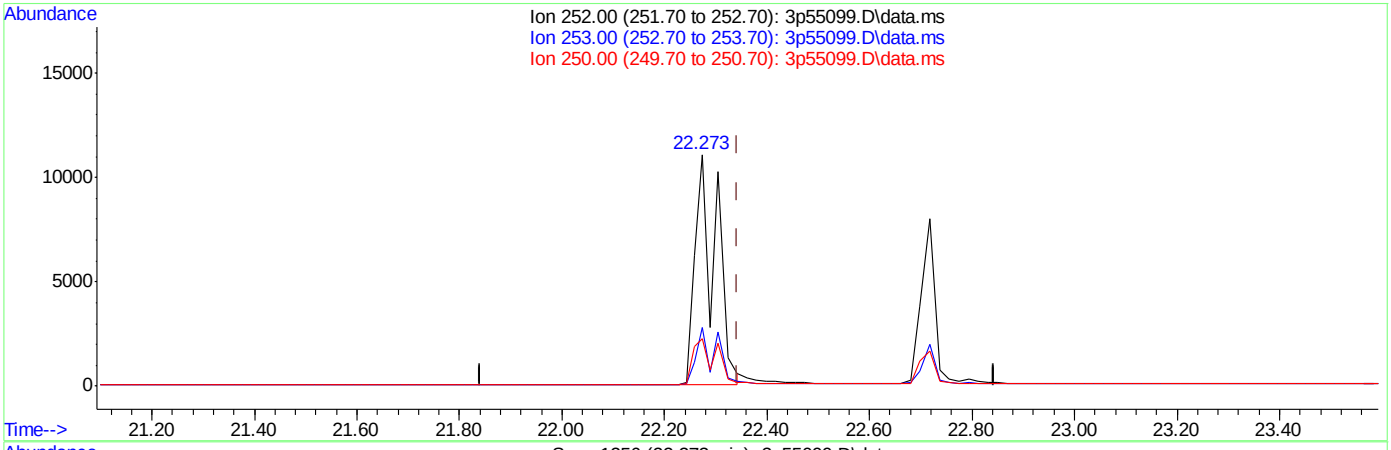
Sample Number:	OP95563A-BSD12	**Method:**	SW846 8270D BY SIM
Lab FileID:	3P55099.D	**Analyst approved:**	07/14/16 15:47 Hank Chao
Injection Time:	07/14/16 11:37	**Supervisor approved:**	07/14/16 16:20 Kristi Schollenberger

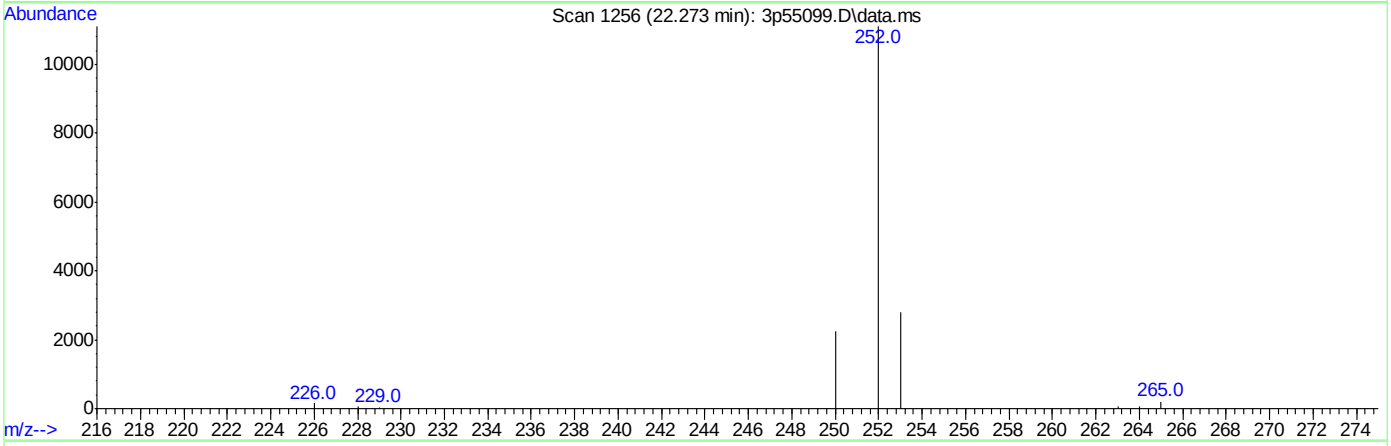
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		22.27	Overlapping peak
Benzo(k)fluoranthene	207-08-9		22.30	Overlapping peak

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55099.D
Acq On    : 14 Jul 2016  11:37 am
Operator  : hankc
Sample    : op95563a-bsd12
Misc      : op95563a,e3p2511,1000
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Jul 14 12:03:30 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title  : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration
```





(32) Benzo[b]fluoranthene (t)

22.273min (-0.069) 1.32ppm

response 31583

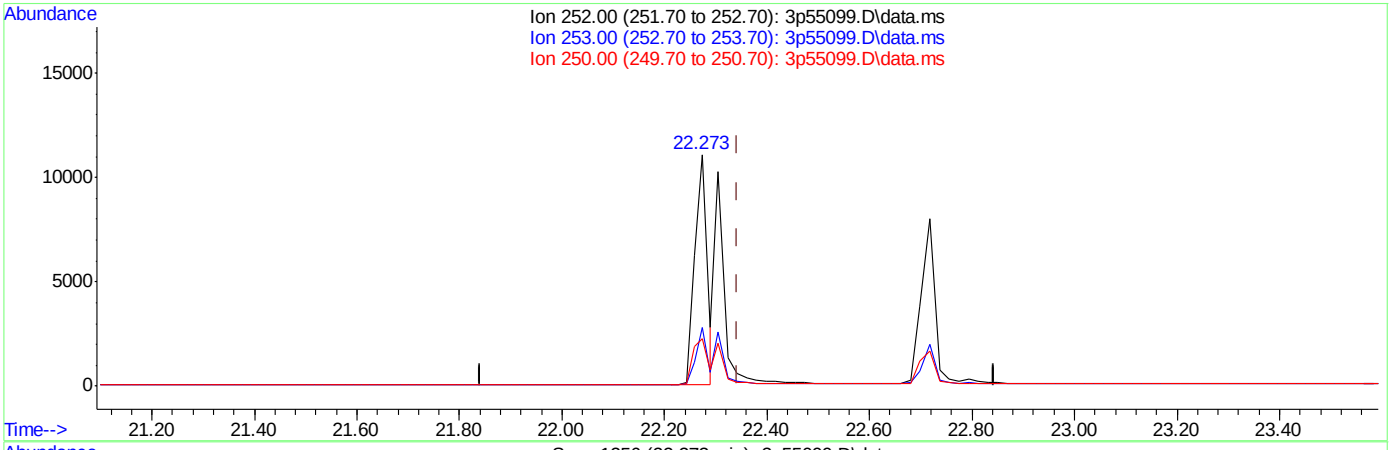
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	24.54
250.00	23.10	19.62
0.00	0.00	0.00

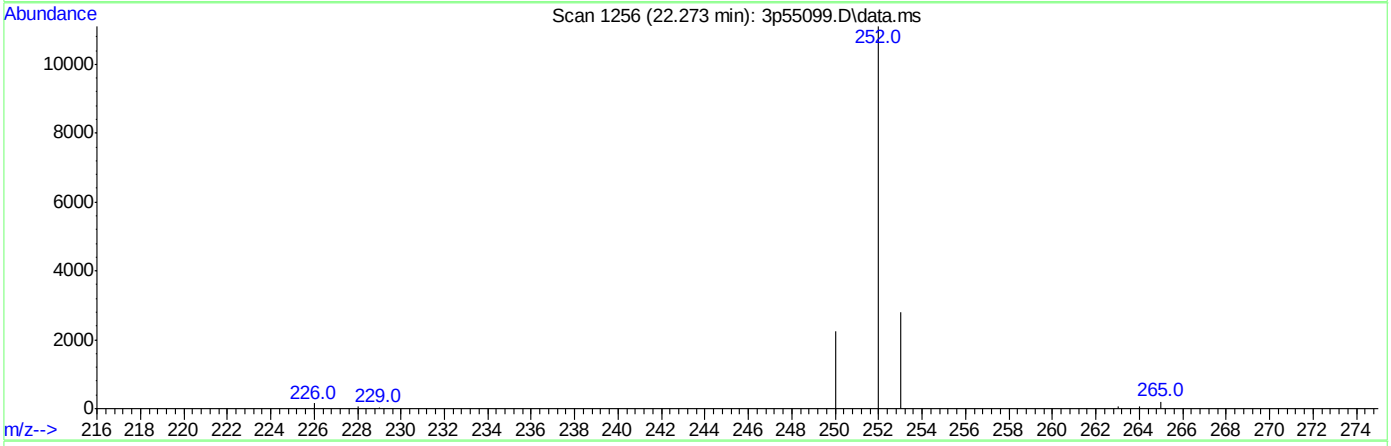
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55099.D
Acq On    : 14 Jul 2016  11:37 am
Operator  : hankc
Sample    : op95563a-bsd12
Misc      : op95563a,e3p2511,1000
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Jul 14 12:03:30 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title  : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration
```





(32) Benzo[b]fluoranthene (t)

22.273min (-0.069) 0.78ppm m

response 18661

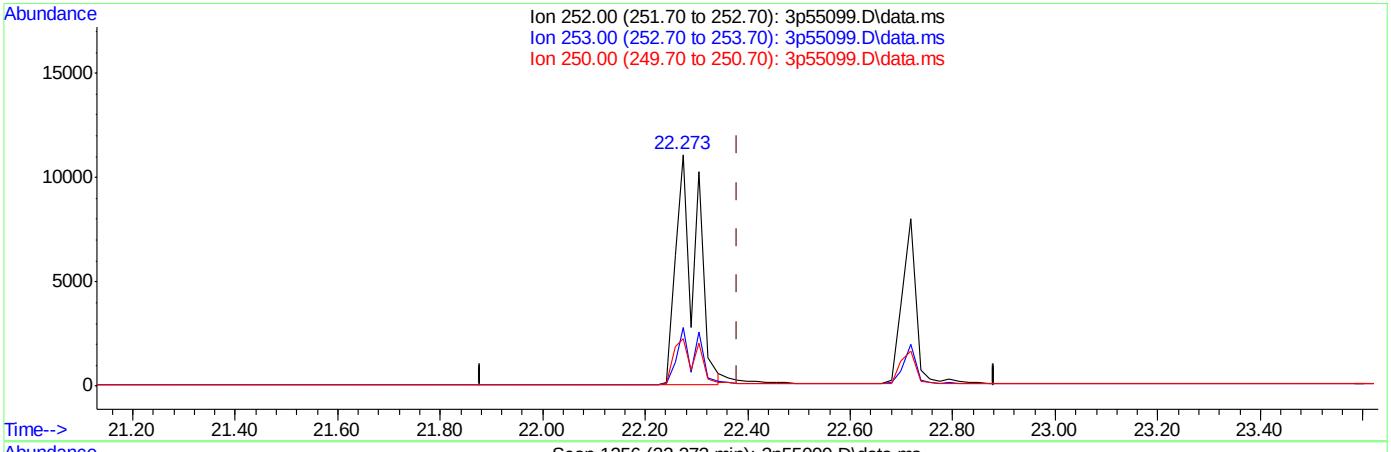
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.13
250.00	23.10	20.33
0.00	0.00	0.00

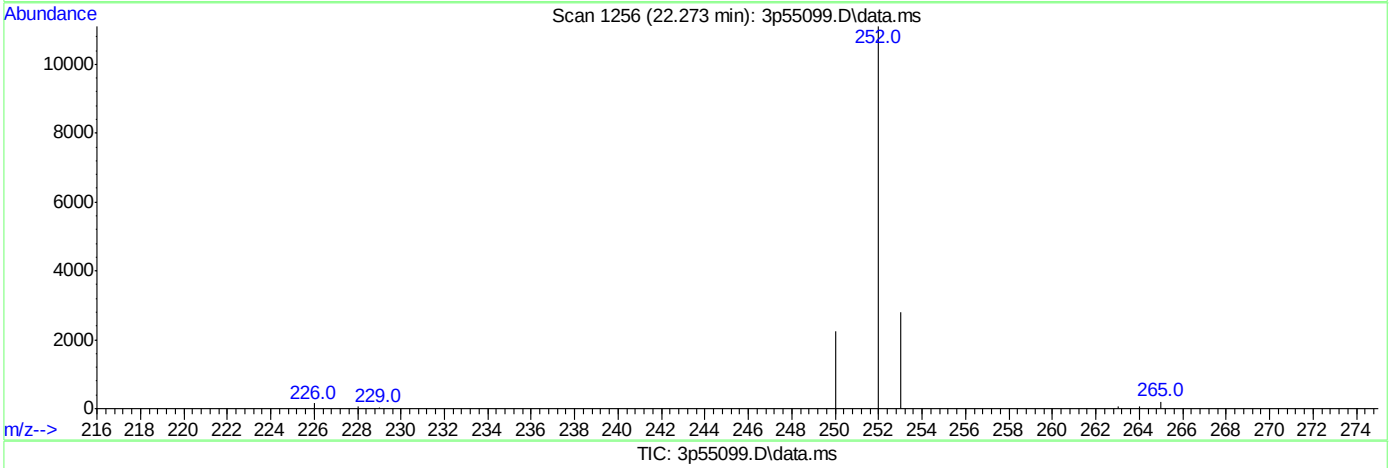
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55099.D
Acq On    : 14 Jul 2016  11:37 am
Operator  : hankc
Sample    : op95563a-bsd12
Misc      : op95563a,e3p2511,1000
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Jul 14 12:03:30 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title  : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration
```





TIC: 3p55099.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.273min (-0.107) 1.57ppm

response 31583

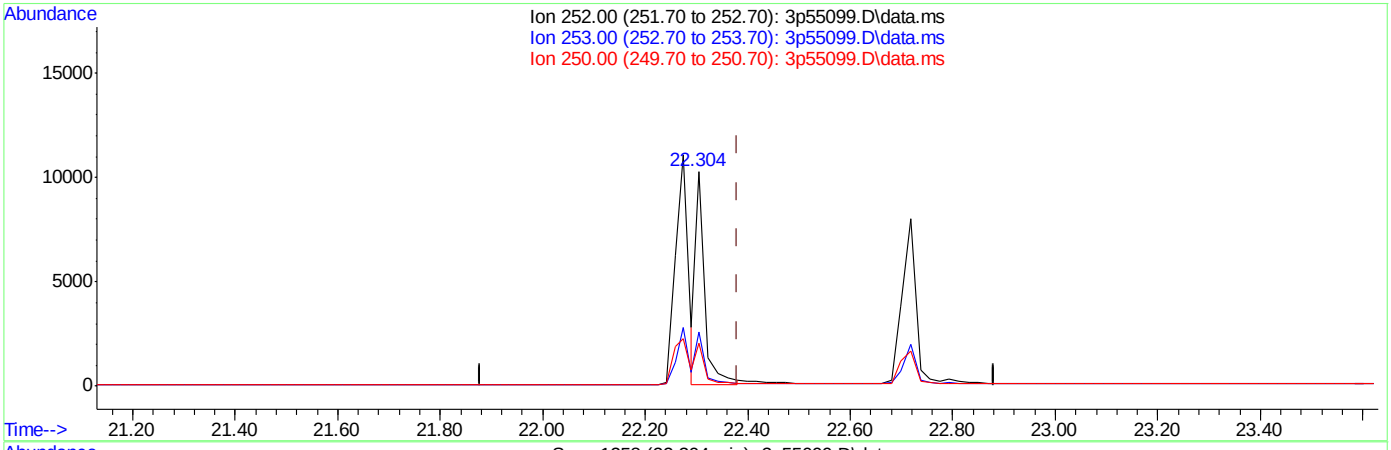
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	24.54
250.00	23.10	19.62
0.00	0.00	0.00

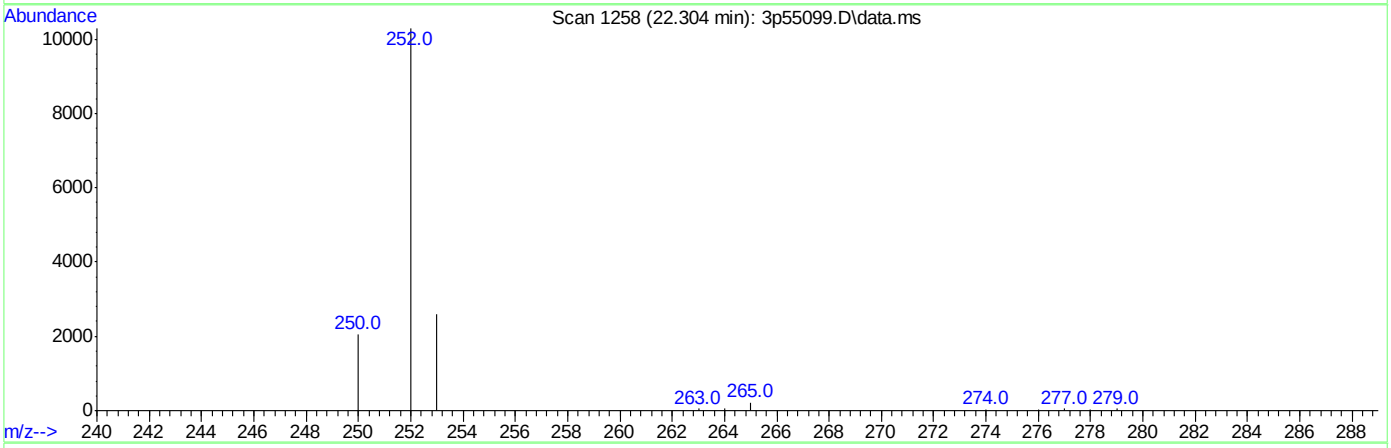
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55099.D
Acq On : 14 Jul 2016 11:37 am
Operator : hankc
Sample : op95563a-bsd12
Misc : op95563a,e3p2511,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 14 12:03:30 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 11 16:19:17 2016
Response via : Initial Calibration





TIC: 3p55099.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.304min (-0.076) 0.68ppm m

response 13766

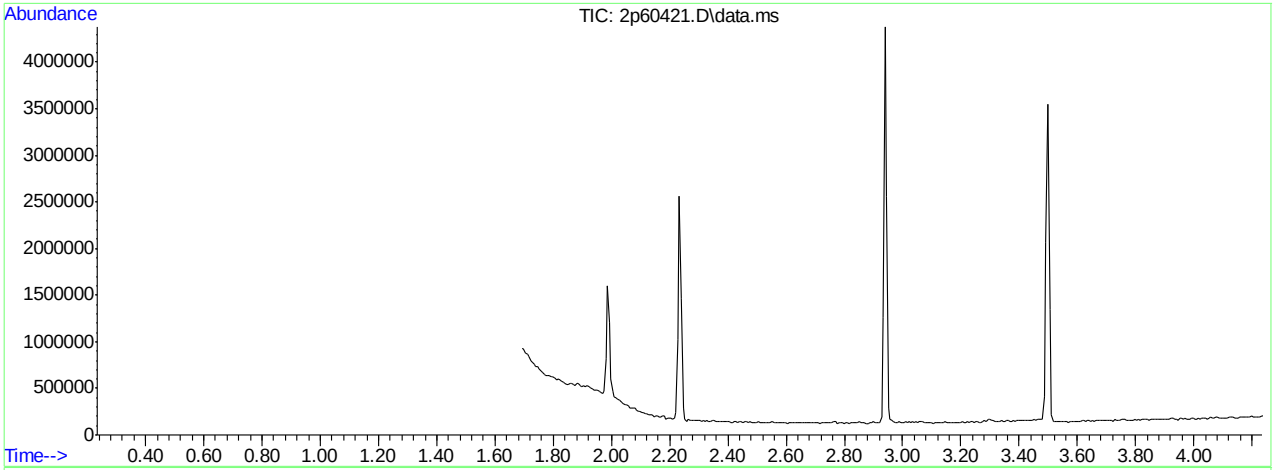
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.11
250.00	23.10	19.97
0.00	0.00	0.00

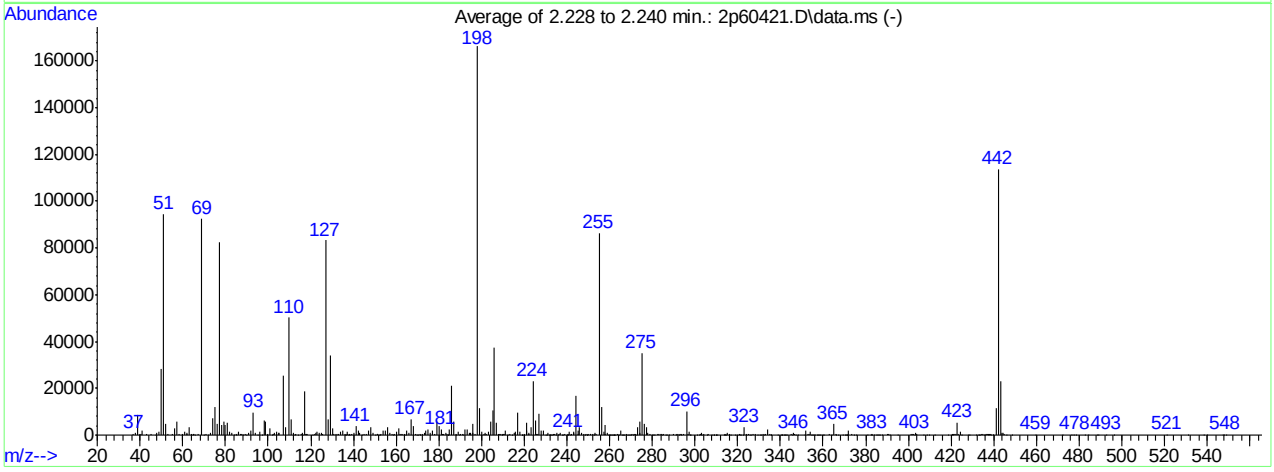
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\DATA\2P2635\2p60421.D Vial: 1
Acq On : 23 Jun 2016 10:35 am Operator: robertl1
Sample : DFTPP Inst : MS2P
Misc : op94957,e2p2635 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :





AutoFind: Scans 92, 93, 94; Background Corrected with Scan 89

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.9	94610	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.6	92399	PASS
70	69	0.00	2	0.2	142	PASS
127	198	40	60	50.2	83366	PASS
197	198	0.00	1	0.3	442	PASS
198	198	100	100	100.0	166181	PASS
199	198	5	9	6.8	11303	PASS
275	198	10	30	21.1	35009	PASS
365	198	1	100	2.8	4638	PASS
441	443	0.01	100	50.4	11582	PASS
442	198	40	100	68.4	113621	PASS
443	442	17	23	20.2	22988	PASS

2p60421.D DFTPP2P.M Thu Jun 23 17:03:14 2016 RPT1

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	591	50.10	28250	62.00	1140	72.10	251
37.95	1039	51.05	94610	63.00	3144	73.10	832
39.05	8831	52.05	4661	64.15	530	74.05	6976
40.10	281	53.00	394	64.50	92	75.00	11842
40.30	310	55.05	617	64.90	530	76.05	4848
41.10	1704	56.00	2968	65.10	576	77.05	82270
43.10	560	57.05	5874	65.80	180	78.05	4380
45.00	477	58.10	269	67.05	307	79.05	5793
47.00	167	59.95	265	69.00	92399	79.95	4416
47.95	811	60.90	1516	69.95	142	81.00	5246
49.05	1470	61.80	257	70.90	659	82.00	1590

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.10	1077	89.70	189	100.95	2967	111.00	6594
84.05	72	91.05	857	101.70	90	112.05	860
84.90	513	92.05	1852	102.20	318	112.35	9
85.10	116	93.00	9819	102.95	1039	113.10	560
85.90	947	94.10	742	103.80	520	114.10	171
86.05	1261	95.10	29	104.05	1312	115.60	301
86.90	530	96.05	1421	104.80	768	115.90	38
87.20	406	97.15	68	105.00	1008	116.10	1094
87.90	484	98.00	6268	107.00	25594	117.05	18747
88.20	143	98.95	5745	108.00	3414	117.80	377
89.00	693	99.90	666	110.00	50135	118.05	439

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.30	344	130.05	2965	137.25	424	146.00	686
120.95	164	130.95	271	137.60	207	146.95	2004
121.80	329	131.90	551	137.85	418	147.95	3435
122.15	1157	132.85	598	138.25	202	149.00	1028
123.05	1668	133.00	387	138.95	445	150.10	249
123.90	1164	133.90	1331	140.10	777	151.00	714
124.90	871	135.05	1820	141.05	3895	151.20	364
125.40	386	135.80	226	142.05	1746	151.45	507
127.00	83366	136.10	609	142.85	956	151.70	147
128.00	6801	136.30	193	143.80	89	152.25	75
129.00	33832	137.05	1300	144.85	566	152.95	563

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.10	1715	163.05	427	171.40	266	181.90	286
155.05	2107	163.85	423	172.05	640	182.20	351
156.10	3192	164.30	151	173.05	786	183.05	805
157.20	910	164.90	1855	174.05	1726	183.85	384
157.95	723	165.95	1086	175.05	2476	184.30	174
158.60	128	167.00	6941	175.85	1201	184.50	224
159.15	478	168.00	3772	177.05	1710	185.05	2652
160.00	1284	169.15	577	178.05	636	186.10	21334
161.05	2721	169.50	176	179.00	5675	187.05	5677
161.80	356	170.00	229	180.05	3848	188.00	241
162.10	517	171.10	97	181.00	2620	188.15	536

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
188.95	1587	196.05	5054	206.05	37211	213.45	310
189.70	155	196.70	442	207.00	5088	214.45	222
190.30	285	198.00	166181	208.05	261	215.15	980
190.90	182	198.95	11303	208.30	650	216.10	1544

191.10	570	200.00	1460	209.15	402	217.00	9836
192.05	2636	201.10	479	209.70	167	218.05	1645
193.05	2366	201.45	1207	209.95	682	218.80	125
194.05	814	202.00	434	210.20	262	219.05	200
194.80	274	203.10	1563	210.60	471	219.80	681
195.05	847	204.10	5616	211.15	1932	221.00	5384
195.80	952	205.10	10664	212.30	201	221.20	2029

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
222.00	1064	230.50	121	235.90	143	242.05	605
222.30	308	231.15	1013	236.10	556	243.10	1510
223.05	3448	231.70	105	237.00	865	243.30	764
224.10	23079	232.00	144	237.90	140	244.10	16874
225.10	6431	232.30	220	238.10	129	245.05	1990
225.90	371	232.90	129	238.85	555	245.30	357
226.15	473	233.40	94	239.90	103	245.95	3377
227.00	9235	233.65	386	240.30	286	247.05	1103
227.95	1889	234.20	328	240.50	205	248.05	446
228.90	2140	234.80	199	241.05	1234	248.60	127
229.90	93	235.05	830	241.80	180	248.95	475

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
249.20	112	257.10	1422	262.10	181	268.80	116
249.60	139	257.90	659	262.80	107	269.50	203
249.95	325	258.10	4132	263.60	339	269.90	108
250.85	342	258.90	863	264.00	110	270.70	273
251.20	393	259.20	176	264.30	165	270.90	172
252.15	419	259.70	116	265.05	2087	271.25	302
252.40	201	260.00	119	265.75	254	272.10	536
252.95	749	260.60	88	266.10	194	272.60	141
253.45	313	261.00	59	267.00	172	273.10	3551
255.00	86323	261.50	131	267.80	393	273.90	834
256.05	12163	261.80	129	268.60	119	274.05	5638

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.10	35009	284.20	275	292.85	682	302.35	298
276.05	4587	284.80	136	293.50	231	302.95	1148
277.10	3200	285.05	637	293.75	345	303.20	207
278.00	831	286.10	85	294.80	291	304.05	348
279.00	274	286.80	86	296.05	10270	305.40	89
280.00	145	287.55	216	296.90	296	306.25	276
280.30	96	289.95	392	297.10	1306	307.75	239
281.05	121	290.70	165	297.80	93	308.60	91
282.80	326	291.25	455	298.00	157	309.00	95
283.05	629	291.95	461	301.10	107	309.70	102
284.00	315	292.50	90	301.80	224	309.90	116

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
310.20	90	321.00	334	329.30	126	340.10	83
313.50	120	321.20	175	330.40	95	340.70	126
313.80	110	322.30	247	331.10	108	341.00	236
314.00	727	323.10	3473	332.10	400	341.80	198
314.80	255	323.80	211	332.40	179	342.00	241
315.05	1135	324.05	525	333.05	463	342.30	185
316.00	557	325.05	293	334.05	2383	343.10	84
316.90	204	325.80	116	335.05	720	345.20	288
318.70	114	326.00	175	335.60	114	345.60	136
319.60	89	327.05	455	335.80	109	346.15	951
320.70	172	328.10	399	338.85	220	346.85	279

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
347.25	193	356.90	115	367.00	149	382.40	166
348.20	91	357.60	146	369.00	90	382.80	181
351.10	200	358.30	115	370.10	148	383.05	481
351.95	1718	358.80	112	370.90	117	383.90	148
353.00	631	359.90	99	371.20	236	384.70	89
353.25	546	360.10	102	371.50	89	385.70	86
353.95	1235	362.75	348	372.05	2051	385.90	246
354.50	204	363.70	200	373.25	402	386.30	150
354.90	187	365.00	4638	374.50	84	387.80	101
355.50	97	365.90	195	375.30	159	390.10	473
356.20	215	366.10	351	380.60	93	390.85	279

Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
391.30	130	412.50	152	424.95	195	436.45	434
394.90	130	418.70	90	427.80	119	436.95	523
401.35	410	420.30	181	428.60	212	437.40	139
401.90	292	420.60	123	431.90	218	437.60	264
402.20	386	420.80	547	432.70	122	437.80	381
402.60	122	421.05	678	433.20	164	438.40	98
403.20	769	421.80	624	433.50	111	438.65	276
404.05	442	422.10	610	434.35	379	439.40	225
407.20	91	423.00	5447	434.75	468	439.60	252
408.40	102	423.20	503	435.20	118	441.10	11582
409.90	124	424.10	1286	435.70	101	442.10	113621

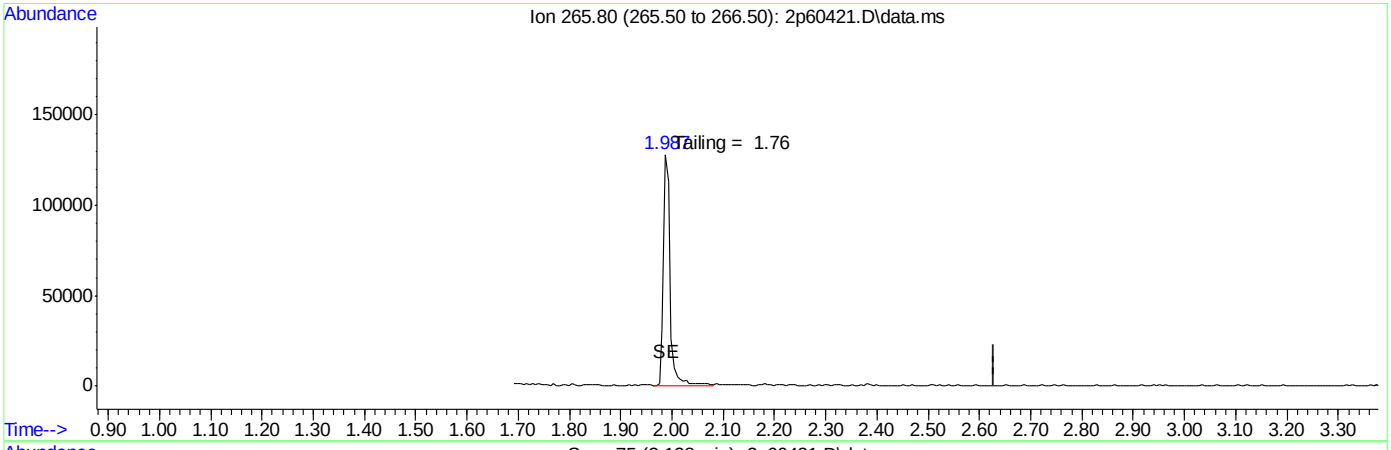
Average of 2.228 to 2.240 min.: 2p60421.D\data.ms
DFTPP
Modified:subtracted

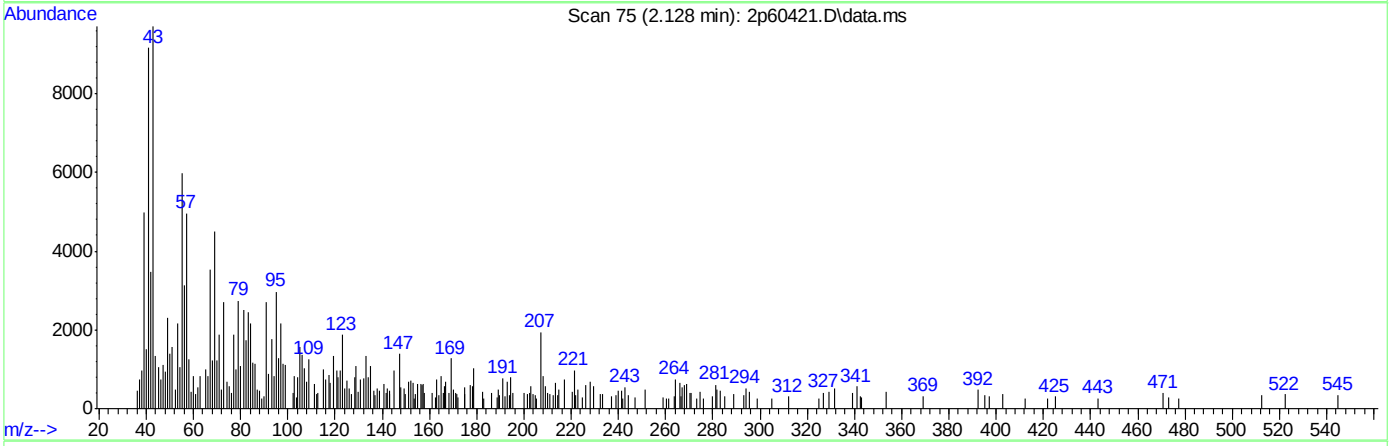
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
443.10	22988	482.60	84	547.60	119		
444.00	1108	484.40	119	548.60	143		
444.20	1160	488.50	85				
445.00	271	489.20	127				
446.10	93	492.80	130				
448.30	100	496.20	110				
459.60	119	521.20	112				
472.40	107	531.20	90				
476.10	105	538.10	122				
477.40	99	539.80	106				
478.30	122	547.00	101				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60421.D
Acq On : 23 Jun 2016 10:35 am
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2635
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 10:38:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60421.D\data.ms

(1) Pentacholorphenol

2.128min (-2.128) 0.00ppb

response 0

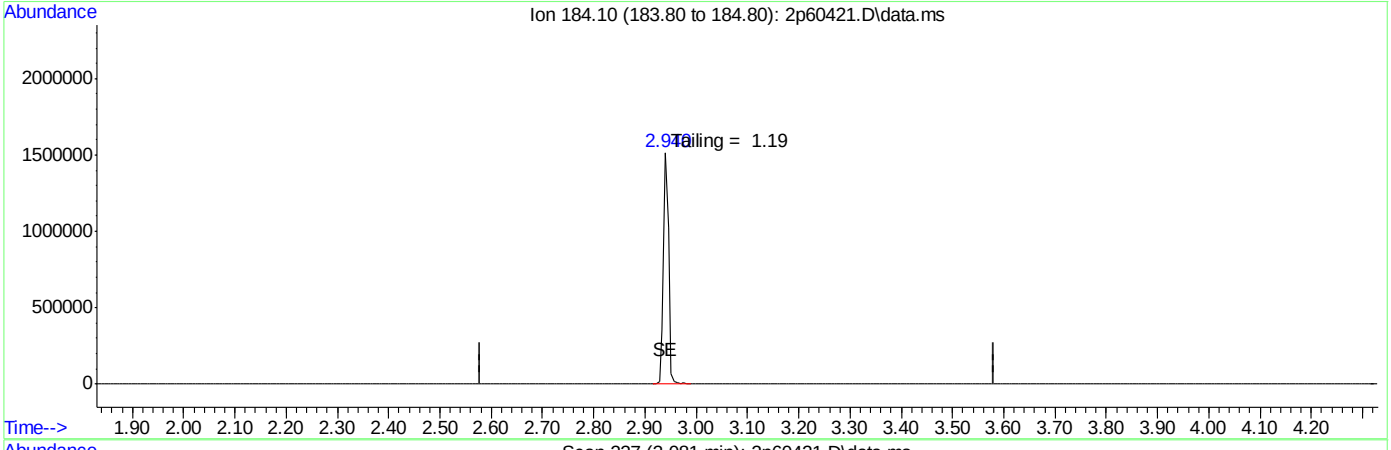
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

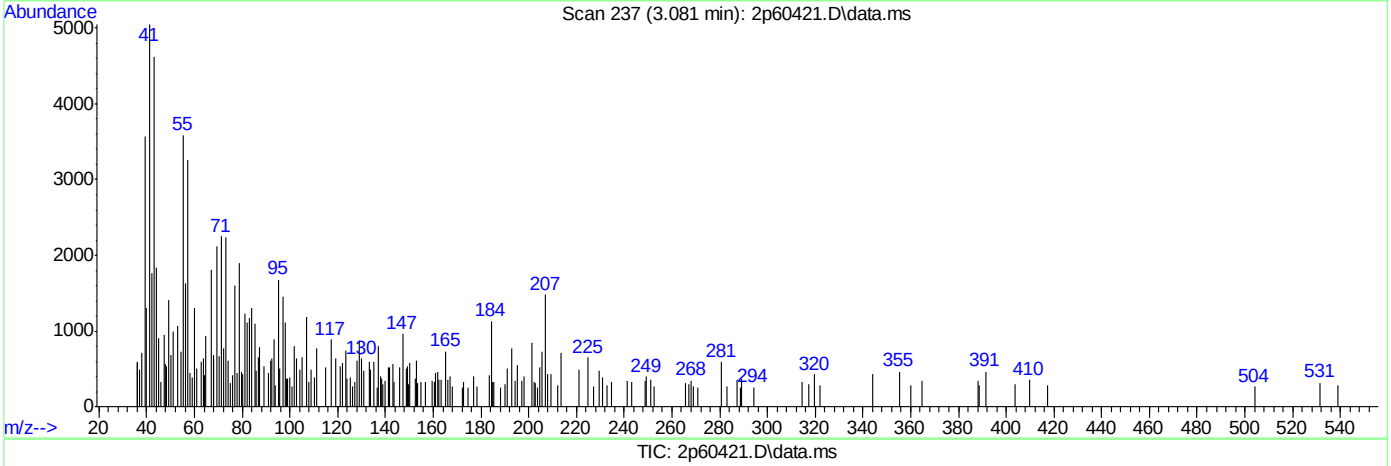
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60421.D
Acq On : 23 Jun 2016 10:35 am
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2635
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 10:38:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60421.D\data.ms

(2) Benzidine

3.081min (-3.081) 0.00ppb

response 0

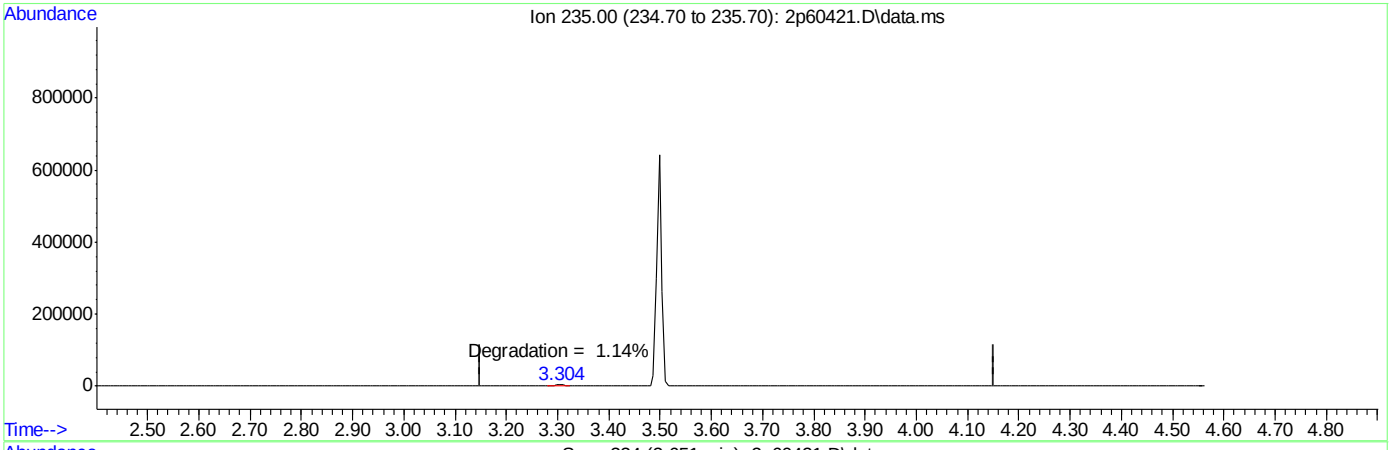
Ion	Exp%	Act%
184.10	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

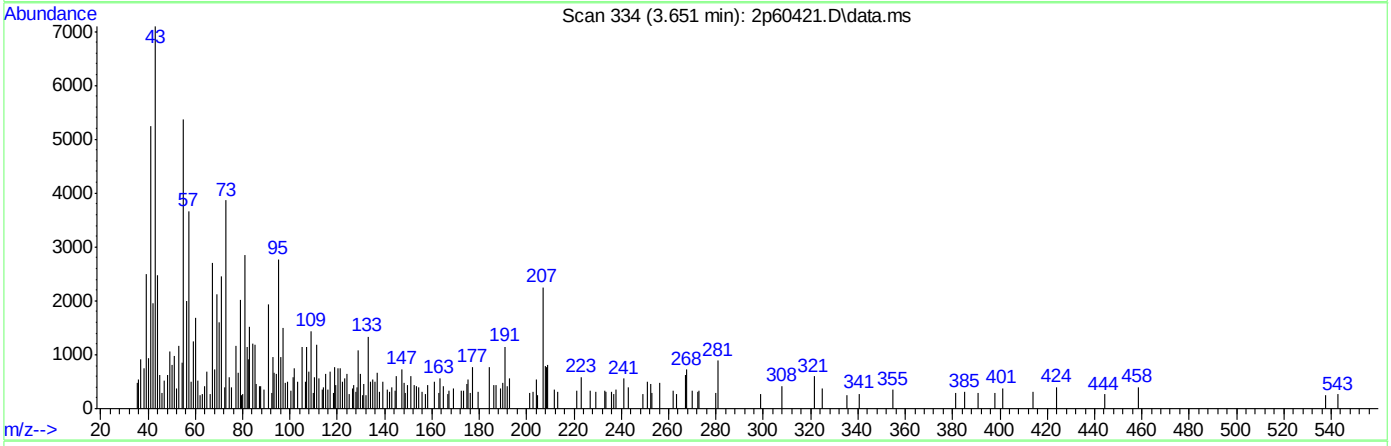
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60421.D
Acq On : 23 Jun 2016 10:35 am
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2635
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 10:38:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60421.D\data.ms

(3) PP-DDT

3.651min (-3.651) 0.00ppb

response 0

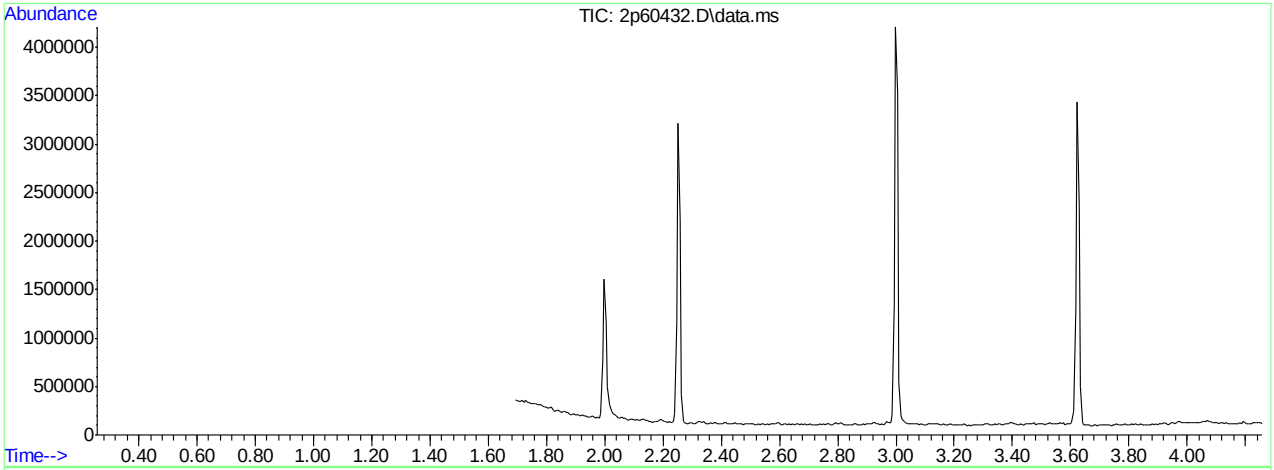
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

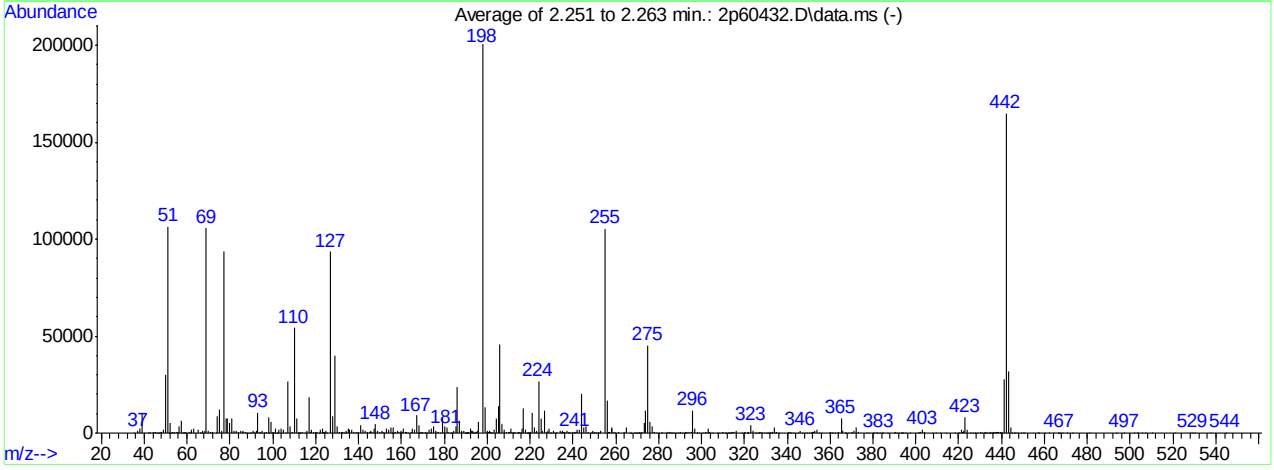
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\DATA\2P2636\2p60432.D Vial: 1
Acq On : 23 Jun 2016 4:57 pm Operator: robertl1
Sample : DFTPP Inst : MS2P
Misc : op94957,e2p2636 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :





AutoFind: Scans 96, 97, 98; Background Corrected with Scan 90

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.2	106601	PASS
68	69	0.00	2	1.0	1046	PASS
69	198	0.00	100	52.7	105658	PASS
70	69	0.00	2	0.9	967	PASS
127	198	40	60	46.7	93536	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	200376	PASS
199	198	5	9	6.8	13573	PASS
275	198	10	30	22.5	45138	PASS
365	198	1	100	3.9	7724	PASS
441	443	0.01	100	87.0	27551	PASS
442	198	40	100	82.4	165024	PASS
443	442	17	23	19.2	31657	PASS

2p60432.D DFTPP2P.M Thu Jun 23 17:02:22 2016 RPT1

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	203	46.15	81	53.70	255	61.00	599
36.95	1038	47.10	204	54.30	422	61.60	85
38.10	2195	47.85	537	55.05	339	62.00	1563
39.10	10215	48.15	585	55.80	362	63.05	2374
39.95	117	49.00	1677	56.05	3342	65.10	1920
41.90	737	50.10	29886	57.05	6394	66.15	288
42.50	172	51.05	106601	58.00	311	66.40	179
44.05	715	51.80	192	58.20	161	67.15	1399
44.70	36	52.05	5292	58.40	96	68.10	1046
45.05	571	52.50	117	59.10	296	68.95	105658
45.80	223	53.05	818	59.25	374	70.05	967

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
71.00	416	81.05	7772	89.60	107	98.00	7974
71.40	242	81.95	1280	90.80	976	98.20	260
72.05	472	83.15	1037	91.10	352	99.05	5643
73.60	222	84.05	714	92.10	1135	99.70	110
74.10	8667	85.00	1354	92.95	10679	100.05	674
75.00	12336	85.90	799	93.70	84	100.70	224
76.05	1361	86.10	970	94.00	749	101.00	2501
77.10	93524	87.00	405	94.95	1429	101.90	214
78.10	7469	87.70	45	95.80	253	102.20	214
79.00	7525	88.10	282	96.05	66	103.05	2003
80.00	5020	89.20	190	96.90	416	103.95	2127

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.00	1525	113.95	353	122.05	1833	130.05	3647
106.00	260	114.90	223	123.00	2070	130.95	509
107.00	26373	116.00	1123	123.30	281	132.05	400
108.05	3712	117.00	18444	123.90	680	132.30	153
108.95	670	117.20	657	124.10	555	132.75	347
110.00	54073	118.00	1734	124.30	160	133.40	278
110.95	7565	119.00	857	125.00	1428	134.05	1445
111.80	232	119.90	547	125.30	198	134.30	156
112.00	882	120.20	459	127.00	93536	135.10	2123
112.70	152	120.40	86	128.05	8465	135.95	1502
113.00	286	121.80	176	129.00	40048	137.00	1545

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
138.05	644	147.15	2349	156.05	2692	163.20	89
139.05	359	148.00	4754	156.50	168	164.40	391
139.45	236	149.05	1328	157.05	508	165.05	2463
140.05	661	150.10	650	158.05	1418	165.95	1871
141.05	4279	150.95	993	159.00	489	167.00	9109
141.95	1661	151.60	505	159.25	15	167.60	199
142.90	1180	152.10	140	160.05	1424	167.95	4250
144.15	334	152.95	2060	160.30	439	168.20	296
145.05	520	154.00	1579	160.95	2350	168.80	150
145.75	1115	155.05	2666	161.85	495	169.10	492
146.40	348	155.50	165	162.20	474	169.50	116

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.75	339	177.95	19	186.05	23695	191.30	165
170.70	237	179.00	8047	187.00	6628	192.05	2090
171.20	559	179.70	278	187.90	930	192.85	1079
171.90	145	180.00	3683	188.30	438	193.10	1153

172.90	1609	181.00	2877	188.95	1085	193.40	87
173.20	125	181.90	541	189.80	271	193.70	271
174.00	2534	182.80	156	190.00	165	194.10	235
175.05	3576	183.10	292	190.20	92	194.90	751
175.95	927	183.50	157	190.50	156	195.25	1039
176.85	862	184.15	1350	190.80	195	196.10	5947
177.10	402	185.25	3497	191.10	530	198.00	200376

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
198.95	13573	206.05	45668	214.20	184	219.50	136
199.90	988	207.05	4897	214.40	267	219.95	647
200.20	393	208.10	1951	214.95	618	220.20	180
200.80	405	208.95	812	215.20	358	221.05	10652
201.25	1156	210.00	682	215.70	164	221.85	2768
201.50	302	210.30	472	216.15	2145	222.60	162
201.80	492	210.95	2519	217.00	12592	223.05	1273
202.20	243	211.60	521	218.05	1907	224.05	26691
203.05	1911	212.20	288	218.30	125	225.10	7596
204.10	7531	212.85	409	218.70	212	225.95	1407
205.10	14036	213.30	122	219.15	295	227.00	11654

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
227.90	512	235.90	425	243.10	1532	251.75	511
228.10	906	236.30	363	244.05	20396	252.50	97
229.00	2131	237.00	1260	245.10	2894	252.75	1303
229.20	147	237.80	131	246.00	3417	255.05	105376
230.00	127	238.25	510	246.95	743	256.05	16822
231.00	1166	239.00	171	248.10	91	256.70	487
231.70	269	240.05	330	248.70	310	257.20	516
232.70	354	240.40	142	249.10	963	258.00	3077
233.95	1127	240.70	480	249.95	139	258.20	2160
234.55	292	241.15	674	250.40	429	259.05	603
235.15	1117	242.05	1887	251.00	260	259.90	215

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
261.05	333	271.50	86	281.15	256	290.00	411
263.95	785	272.10	337	281.80	121	290.30	179
265.00	2652	273.05	5004	283.15	279	291.00	240
266.70	153	274.05	11364	284.05	435	292.20	258
267.00	157	275.10	45138	284.80	294	292.60	543
268.40	168	276.10	6065	285.15	599	292.80	102
268.90	86	277.05	3318	285.90	143	293.20	787
269.90	224	277.80	361	286.30	120	294.15	480
270.15	166	278.00	398	287.10	223	295.20	652
270.50	236	279.20	65	288.15	285	296.00	11673
271.10	490	280.30	99	288.80	124	297.05	2600

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
297.70	93	307.20	125	314.80	887	325.10	126
298.15	233	308.40	104	315.00	830	325.80	146
298.80	147	309.70	99	316.15	1050	326.40	136
300.30	129	310.10	394	318.70	99	326.70	163
301.30	226	311.20	100	319.60	176	327.05	809
302.15	363	311.40	84	320.55	401	327.95	389
302.90	160	312.30	89	321.20	165	328.20	162
303.15	2145	312.70	187	321.50	252	329.10	95
303.85	339	313.15	227	322.05	864	330.10	93
304.20	197	313.40	227	323.20	4162	330.90	119
305.30	212	314.10	809	324.05	1217	331.40	91

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
331.70	243	342.00	96	352.25	642	364.05	633
332.10	102	343.00	98	353.00	1198	365.10	7724
332.90	321	344.70	204	354.10	1778	366.00	1239
333.10	150	346.05	1298	354.70	254	366.90	194
334.00	2747	346.85	273	356.10	156	367.30	134
334.60	83	348.00	284	359.70	113	368.50	94
335.00	549	349.00	92	360.05	384	369.85	344
336.20	195	350.05	226	360.90	170	370.10	225
340.20	278	351.00	248	361.20	151	371.00	1010
340.85	535	351.40	146	362.00	227	372.10	2626
341.35	458	351.90	578	363.60	242	372.95	757

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
377.10	87	390.30	436	402.15	688	421.70	153
378.15	292	391.00	57	403.10	1810	422.00	503
380.00	107	392.20	93	403.90	514	422.20	1013
380.70	94	393.00	203	407.80	110	423.10	8358
381.60	85	393.60	117	409.20	156	424.15	1477
382.20	109	393.80	105	411.40	105	425.30	200
383.00	293	394.30	110	414.20	162	426.60	108
384.20	189	395.30	129	417.95	214	427.40	93
384.90	213	397.10	109	420.00	246	428.70	89
386.70	101	400.80	206	420.30	130	430.20	580
389.75	240	402.00	591	421.10	1481	430.75	207

Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
432.15	352	436.90	215	444.10	3123	462.00	101
432.45	298	437.30	831	445.10	183	464.20	114
433.00	228	438.20	520	446.00	114	466.50	147
433.50	90	438.75	372	446.60	117	466.90	86
434.40	293	439.20	226	447.30	100	467.20	293
434.60	84	439.40	612	448.80	85	468.60	110
435.10	419	439.70	350	450.30	235	470.60	102
435.50	118	440.00	227	450.80	132	473.30	109
435.85	306	441.10	27551	456.90	90	480.80	91
436.20	167	442.10	165024	457.65	246	493.60	101
436.50	457	443.05	31657	459.90	85	497.40	201

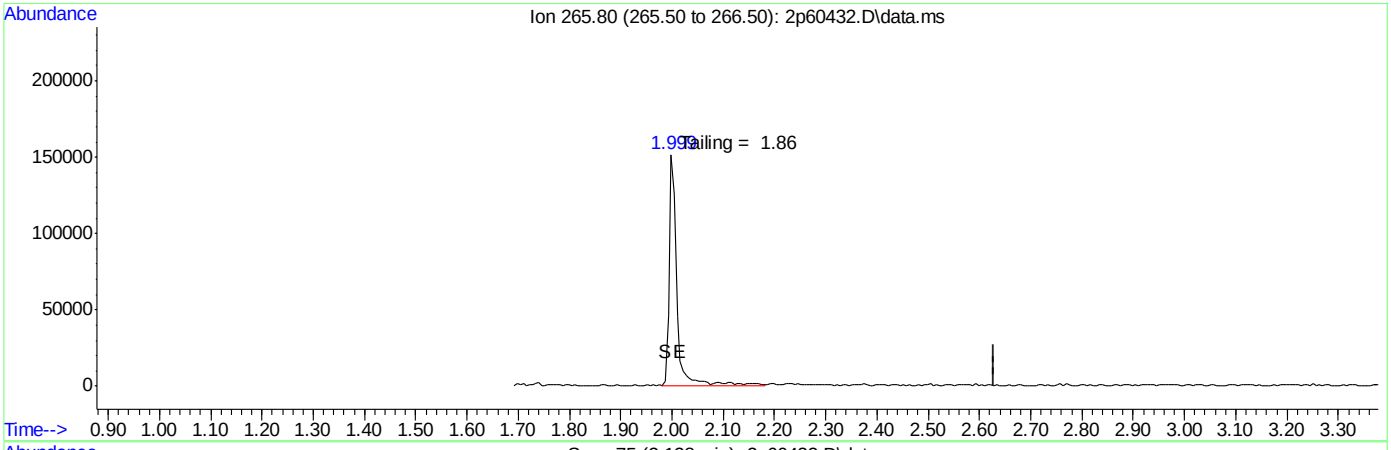
Average of 2.251 to 2.263 min.: 2p60432.D\data.ms
DFTPP
Modified:subtracted

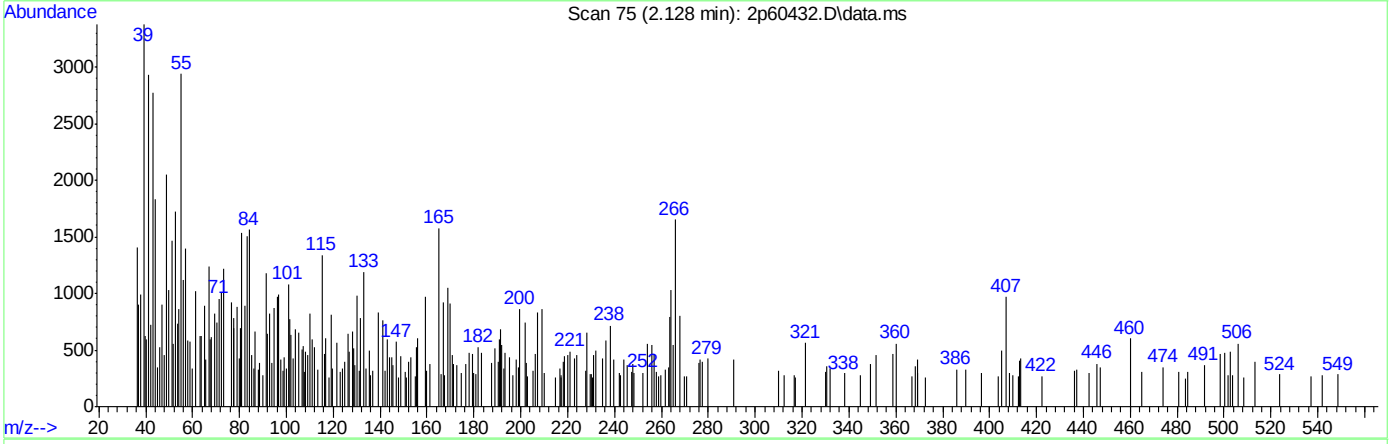
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
501.70	87	544.50	104				
503.40	89						
503.60	86						
505.60	93						
507.20	148						
510.35	200						
520.50	119						
528.00	87						
529.20	126						
530.10	124						
537.40	108						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60432.D
Acq On : 23 Jun 2016 4:57 pm
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2636
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 17:00:54 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60432.D\data.ms

(1) Pentacholorphenol

2.128min (-2.128) 0.00ppb

response 0

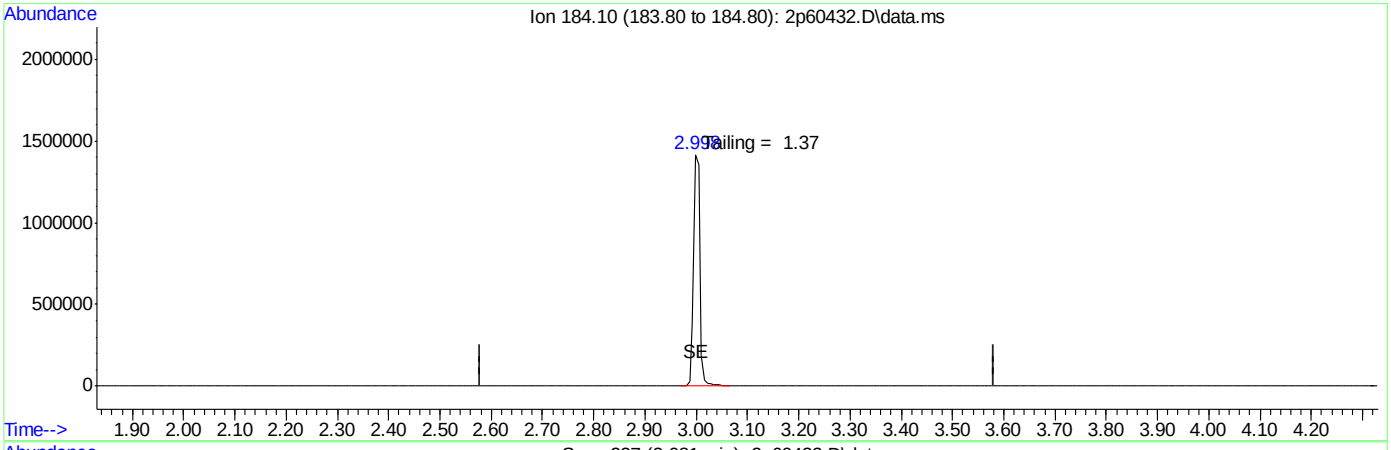
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

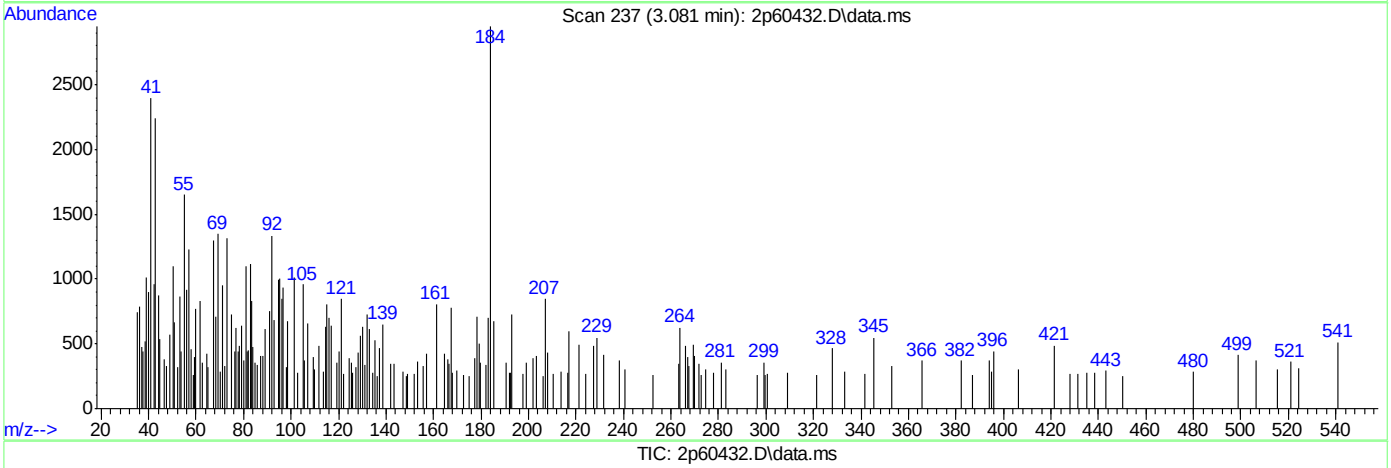
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60432.D
Acq On : 23 Jun 2016 4:57 pm
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2636
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 17:00:54 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60432.D\data.ms

(2) Benzidine

3.081min (-3.081) 0.00ppb

response 0

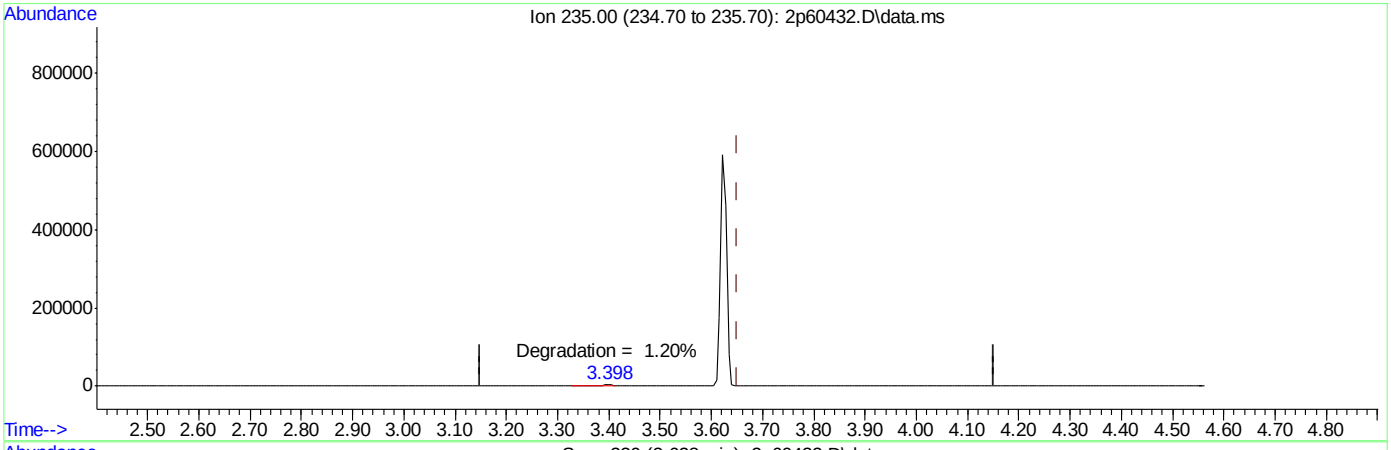
Ion	Exp%	Act%
184.10	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

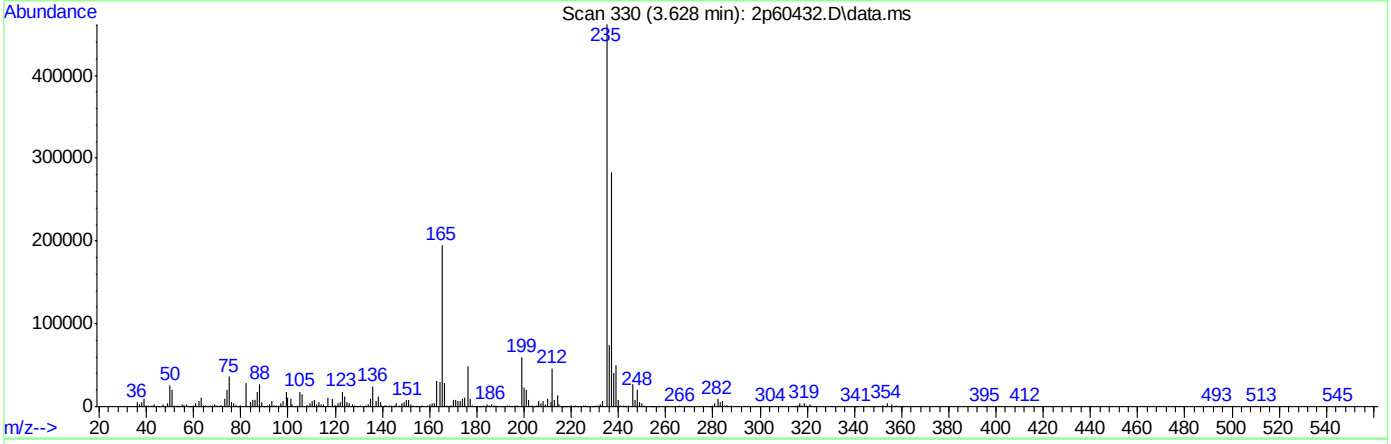
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60432.D
Acq On : 23 Jun 2016 4:57 pm
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2636
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 17:00:54 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





(3) PP-DDT

3.626min (-0.025) 49.87ppb

response 4691865

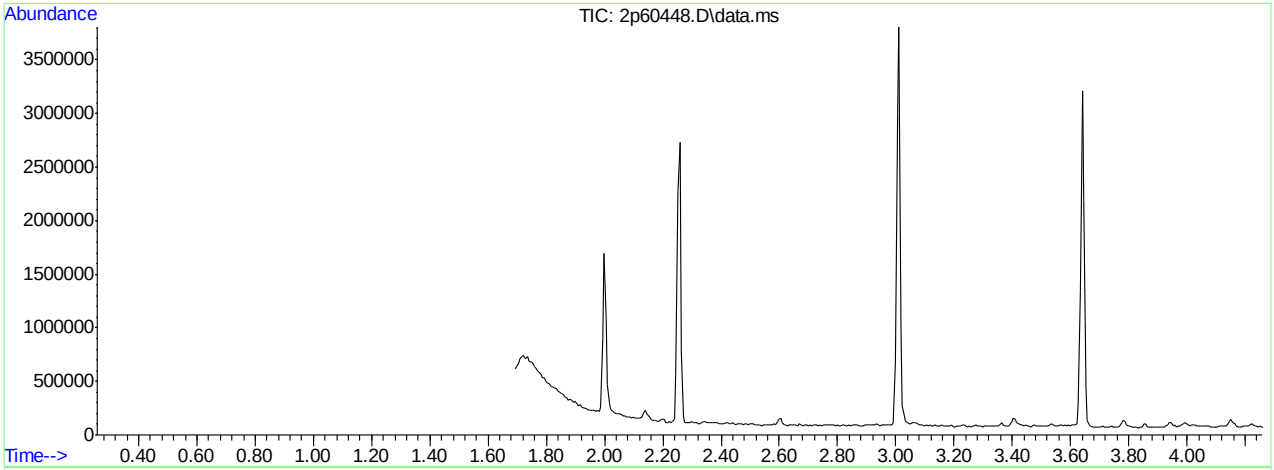
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

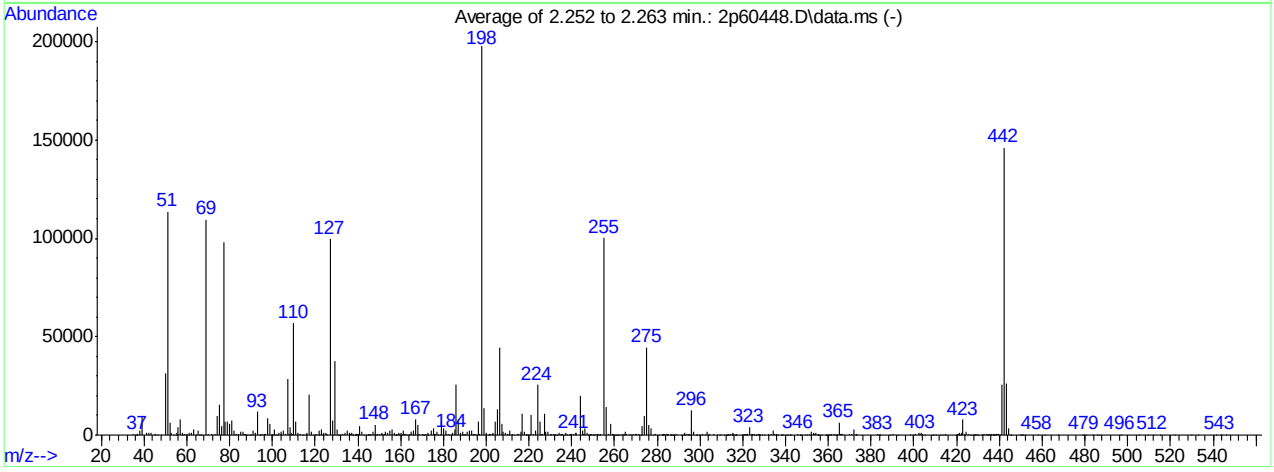
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\DATA\2P2637\2p60448.D Vial: 1
Acq On : 24 Jun 2016 10:58 am Operator: robertl1
Sample : DFTPP Inst : MS2P
Misc : op94957,e2p2637 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :





AutoFind: Scans 96, 97, 98; Background Corrected with Scan 90

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.5	113642	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.5	109665	PASS
70	69	0.00	2	0.4	455	PASS
127	198	40	60	50.4	99527	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	197536	PASS
199	198	5	9	6.9	13669	PASS
275	198	10	30	22.6	44603	PASS
365	198	1	100	3.2	6366	PASS
441	443	0.01	100	96.4	25544	PASS
442	198	40	100	73.9	145936	PASS
443	442	17	23	18.2	26491	PASS

2p60448.D DFTPP2P.M Mon Jun 27 13:52:55 2016 RPT1

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	314	46.30	152	57.70	133	66.40	137
35.80	270	48.10	287	58.10	887	67.10	274
36.50	141	50.05	31619	59.05	745	69.00	109665
36.90	327	51.10	113642	59.95	386	70.10	455
38.10	2050	52.05	6538	61.05	1331	71.40	425
39.10	8996	52.90	1005	61.95	1315	73.05	470
41.05	1345	53.70	203	62.35	617	74.05	9497
42.15	1117	54.60	266	63.05	2968	75.10	15395
43.05	1208	55.05	1037	64.00	219	76.05	4601
44.60	245	56.00	3921	65.05	2195	77.10	98295
45.10	320	57.00	7987	65.95	27	78.05	6810

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
79.05	6877	87.80	162	96.85	523	104.95	2076
80.05	5691	88.10	224	98.00	8412	106.00	843
81.00	7278	89.30	173	99.00	5654	106.95	28590
82.00	2148	89.80	247	100.00	372	107.80	532
83.00	756	91.00	2083	100.20	212	108.00	4221
83.20	426	92.15	1406	100.90	2939	108.95	1331
83.95	713	93.00	11873	101.60	83	109.20	310
85.05	1587	93.90	296	102.00	104	110.00	56733
86.05	1964	94.20	236	103.00	1061	111.05	6990
86.70	362	94.95	581	103.80	867	112.00	1373
87.15	655	95.95	356	104.10	1611	113.05	473

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
114.00	277	123.00	3020	132.00	141	139.15	587
114.40	137	123.70	169	132.85	858	139.85	397
115.70	194	123.95	1277	133.95	1139	140.10	422
116.10	995	125.15	1298	134.90	2443	141.00	4513
117.00	20457	125.80	608	136.00	973	142.00	1798
118.00	1765	127.00	99527	136.80	361	142.95	60
119.10	132	128.05	7419	137.10	1389	143.85	258
119.90	175	129.00	37855	137.40	180	144.90	114
120.65	426	130.05	2940	137.80	128	145.15	472
121.80	254	130.90	151	138.70	163	145.60	175
122.05	2497	131.10	210	139.00	299	145.85	703

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.90	1578	155.05	2569	161.50	474	168.80	400
148.05	5260	156.05	2837	162.00	389	170.10	503
148.30	317	157.10	935	162.20	429	170.40	148
148.80	281	157.50	119	162.85	120	170.80	224
149.30	474	157.80	260	163.60	119	171.95	864
150.15	461	158.20	690	164.30	480	172.50	144
151.05	1010	158.85	906	165.00	1794	173.00	1079
151.50	737	159.30	86	165.90	194	174.05	2374
152.05	754	160.00	1156	166.15	2276	175.10	3337
153.00	1929	160.70	292	167.00	8043	175.90	455
154.10	1236	161.10	2128	168.05	4865	176.20	382

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	1835	186.05	25698	194.00	347	203.00	1047
177.20	166	187.10	8004	194.95	343	203.20	323
178.30	232	188.15	998	195.20	238	204.15	6627
179.05	7062	188.80	240	196.10	6893	205.05	13085

180.05	3538	189.05	1555	196.60	557	206.10	44296
181.10	2490	189.80	90	198.00	197536	207.10	5718
182.10	542	190.05	470	199.00	13669	208.05	1967
182.85	220	191.10	1715	199.95	956	208.95	1064
183.60	279	192.00	2560	201.05	280	209.85	318
184.15	1251	193.00	2259	201.50	449	210.15	706
185.15	3137	193.70	211	201.85	730	210.70	127

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.05	2376	219.60	99	228.00	1806	235.00	456
211.80	154	220.25	595	229.05	1954	235.90	654
212.20	311	220.95	10220	229.70	154	236.45	225
212.90	274	221.90	326	230.15	502	237.10	939
214.75	802	222.85	1014	231.20	754	238.00	99
215.40	337	223.20	2130	231.80	161	238.80	247
216.10	1895	224.10	25415	232.10	140	239.20	368
217.00	11078	225.10	6989	232.70	147	239.75	312
217.95	2013	225.95	587	233.20	123	240.05	448
218.90	516	226.20	779	234.10	1015	240.95	626
219.10	199	227.10	10986	234.80	215	241.85	1005

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.20	1256	250.40	154	259.00	415	264.95	1793
244.10	19700	250.90	683	259.20	614	265.75	688
245.05	2563	251.80	94	259.70	129	266.80	115
245.40	380	252.15	483	260.15	291	267.80	355
245.90	3534	252.40	333	260.80	135	268.90	335
246.95	1031	252.85	92	261.10	121	269.80	618
247.60	300	253.25	879	261.50	85	270.45	428
248.15	261	255.10	100205	262.00	92	271.05	349
248.90	856	256.05	14395	262.80	132	271.55	411
249.35	562	257.10	859	264.05	522	272.10	181
250.00	147	258.10	5834	264.40	90	273.00	4789

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
274.05	9819	283.25	441	288.00	112	296.95	1903
275.10	44603	284.25	458	289.15	329	297.90	152
276.05	5052	284.60	191	291.10	195	298.50	192
277.15	3325	284.80	356	292.05	195	299.40	165
277.90	211	285.15	878	292.80	252	300.10	124
278.95	339	285.90	155	293.00	995	301.05	337
280.70	127	286.30	255	294.05	551	302.30	101
282.10	168	286.70	171	294.30	245	303.10	1612
282.40	163	287.00	87	294.95	605	303.80	117
282.80	163	287.30	93	295.20	205	304.10	409
283.00	305	287.70	119	296.05	12558	306.50	382

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
307.80	135	315.10	1205	321.70	206	327.15	580
308.85	259	315.40	209	322.05	410	327.70	165
309.60	86	315.85	529	322.30	365	328.10	561
311.05	247	316.20	300	323.10	4199	328.90	223
312.00	139	316.80	145	324.00	481	330.05	247
312.50	93	317.10	117	324.25	305	332.05	494
312.70	125	319.50	166	324.50	96	333.05	794
313.00	123	320.05	262	325.05	364	334.10	2580
313.30	84	320.60	282	325.50	104	334.95	654
314.15	842	321.20	391	326.10	105	335.20	130
314.80	211	321.40	151	326.40	158	335.80	335

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
336.40	144	347.25	262	356.50	88	363.90	166
337.70	110	348.90	134	358.80	184	364.10	198
338.50	237	349.95	32	359.10	149	365.05	6366
339.10	87	350.95	303	359.50	144	365.80	359
340.70	106	352.00	1850	359.80	94	366.10	574
340.90	186	353.00	926	360.50	177	366.85	413
342.10	201	353.80	309	361.10	154	369.95	363
342.40	194	354.20	1367	361.35	498	370.90	310
345.95	876	355.00	126	362.55	377	372.10	2808
346.65	234	355.20	315	363.20	189	372.80	350
346.90	85	355.50	127	363.50	173	373.00	240

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
373.20	124	402.15	922	414.90	312	425.25	441
383.00	572	402.80	405	419.60	170	426.40	84
383.60	214	403.15	1102	420.10	239	427.50	93
384.00	302	404.10	678	420.85	548	427.90	255
384.20	96	405.00	136	421.10	1172	428.40	117
388.60	114	408.70	117	421.40	222	428.95	365
390.20	493	409.40	147	421.90	290	429.40	99
392.20	264	410.00	171	422.20	1320	429.90	115
398.40	162	412.50	102	423.05	7820	431.50	93
400.00	94	413.20	129	423.80	313	431.80	125
400.95	396	414.40	154	424.20	1451	432.70	318

Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
434.05	385	437.90	186	445.60	138	480.70	88
434.30	173	438.50	582	449.70	123	483.60	180
434.60	271	438.75	609	450.20	104	485.70	101
434.90	103	439.15	498	450.80	98	486.70	119
435.40	348	439.40	332	451.10	122	496.50	86
435.90	216	440.00	280	452.40	138	505.00	98
436.10	293	441.10	25544	457.80	185	509.10	84
436.60	336	442.10	145936	461.30	92	511.70	103
437.00	131	443.05	26491	467.50	107	514.90	90
437.40	862	444.10	3328	478.90	99	522.00	93
437.60	125	445.40	168	479.60	253	529.50	94

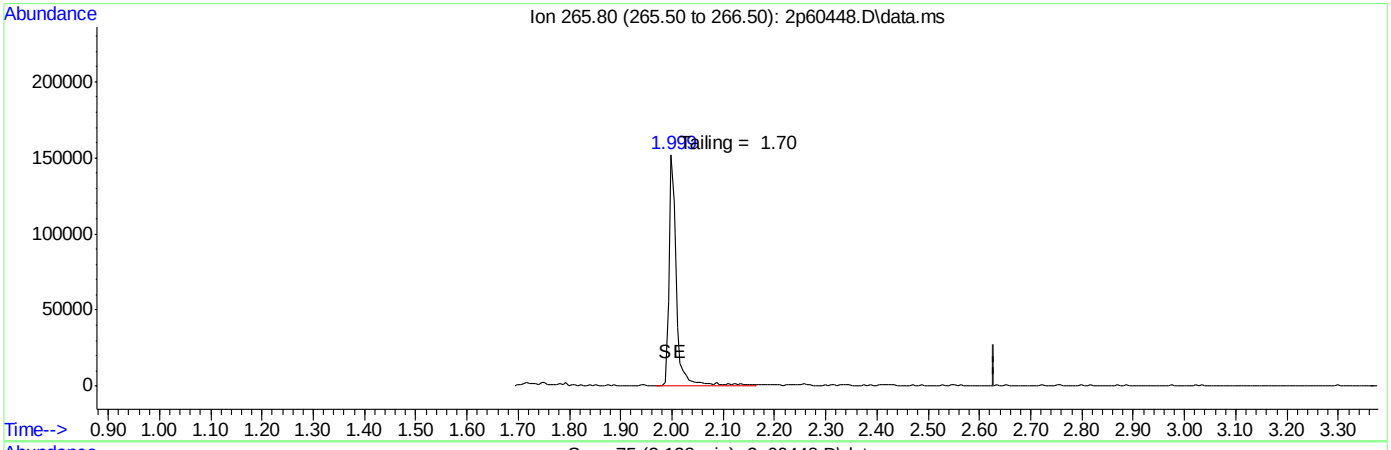
Average of 2.252 to 2.263 min.: 2p60448.D\data.ms
DFTPP
Modified:subtracted

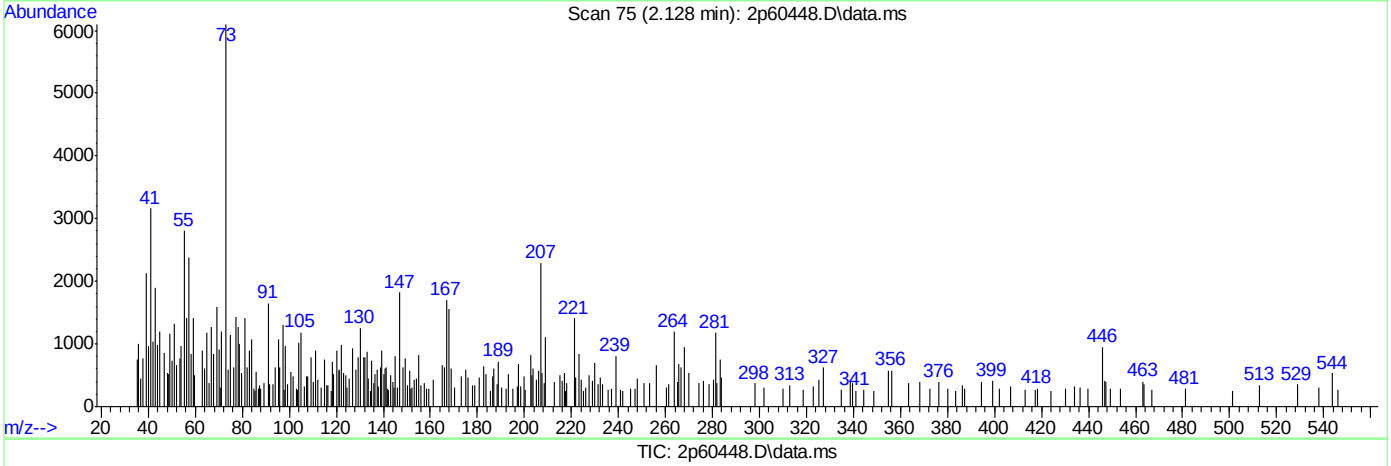
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
533.00	119						
541.30	120						
543.40	180						
543.90	135						
545.80	89						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60448.D
Acq On : 24 Jun 2016 10:58 am
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2637
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 11:01:43 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60448.D\data.ms

(1) Pentacholorphenol

2.128min (-2.128) 0.00ppb

response 0

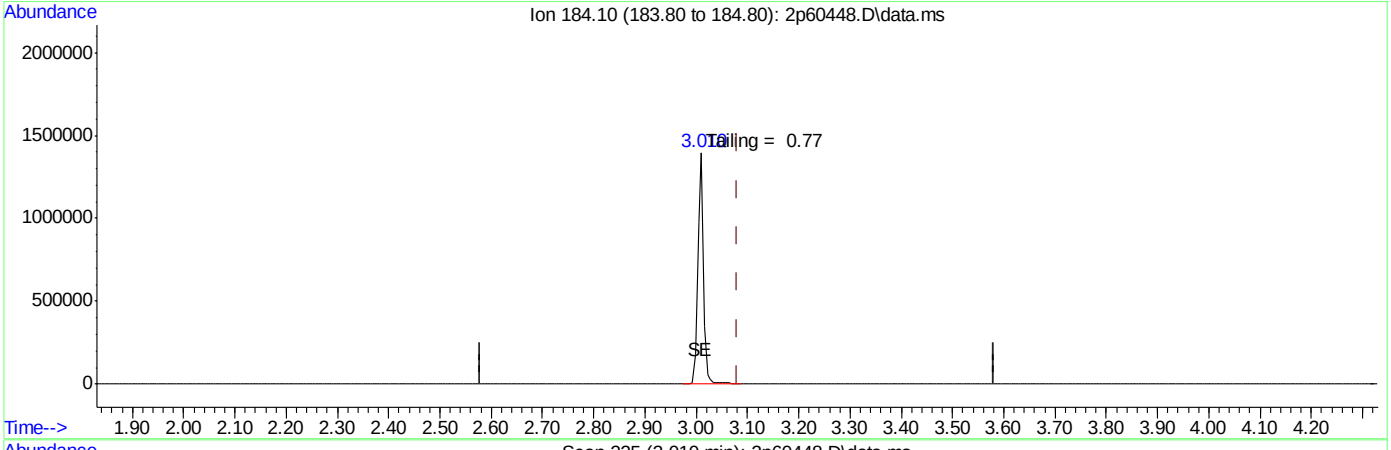
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

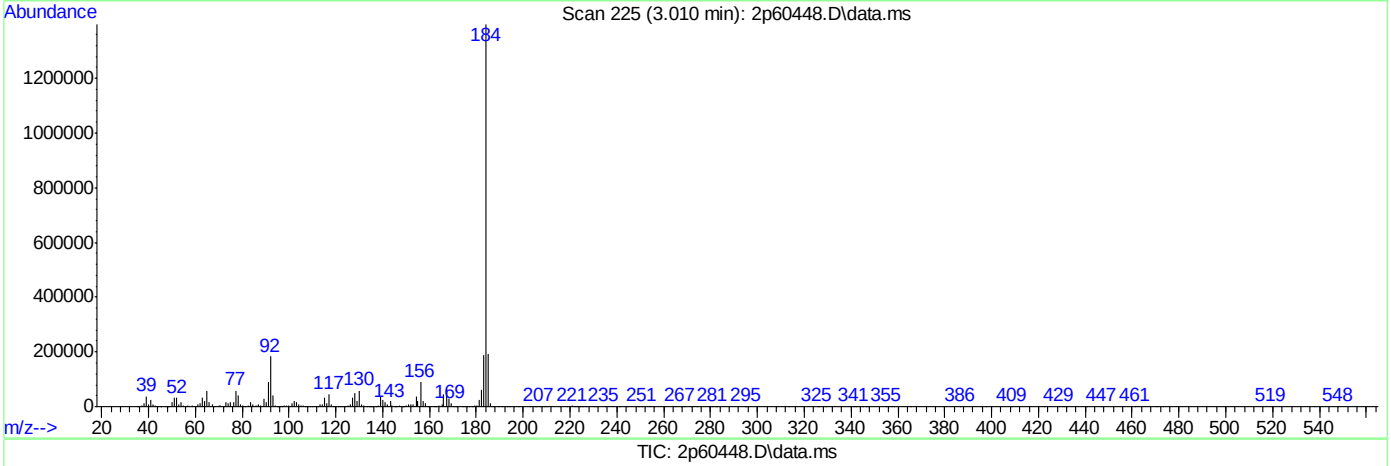
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60448.D
Acq On : 24 Jun 2016 10:58 am
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2637
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 11:01:43 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60448.D\data.ms

(2) Benzidine

3.012min (-0.069) 47.17ppb

response 10662131

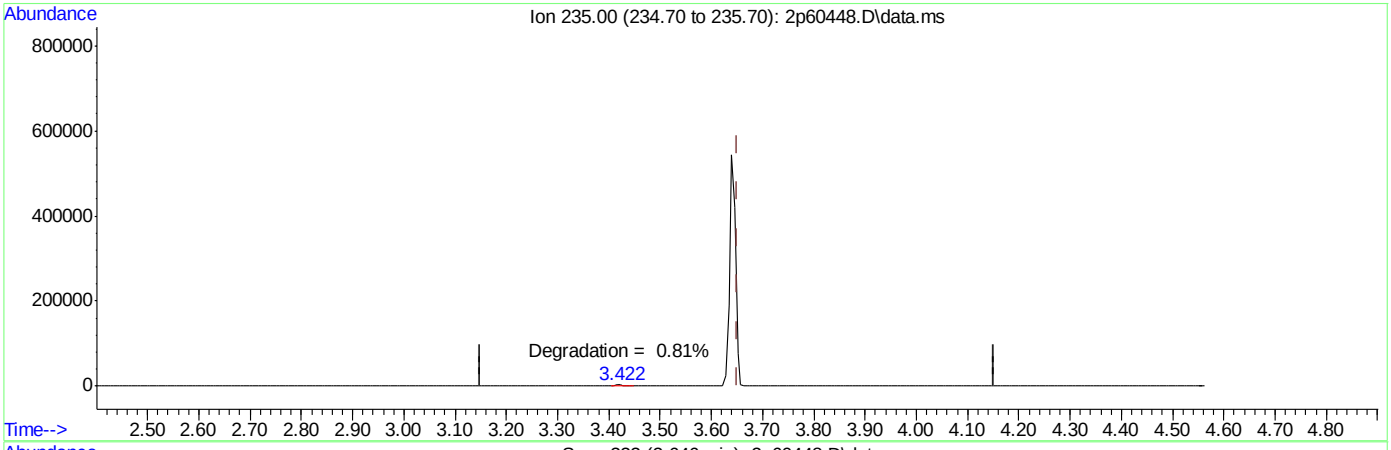
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

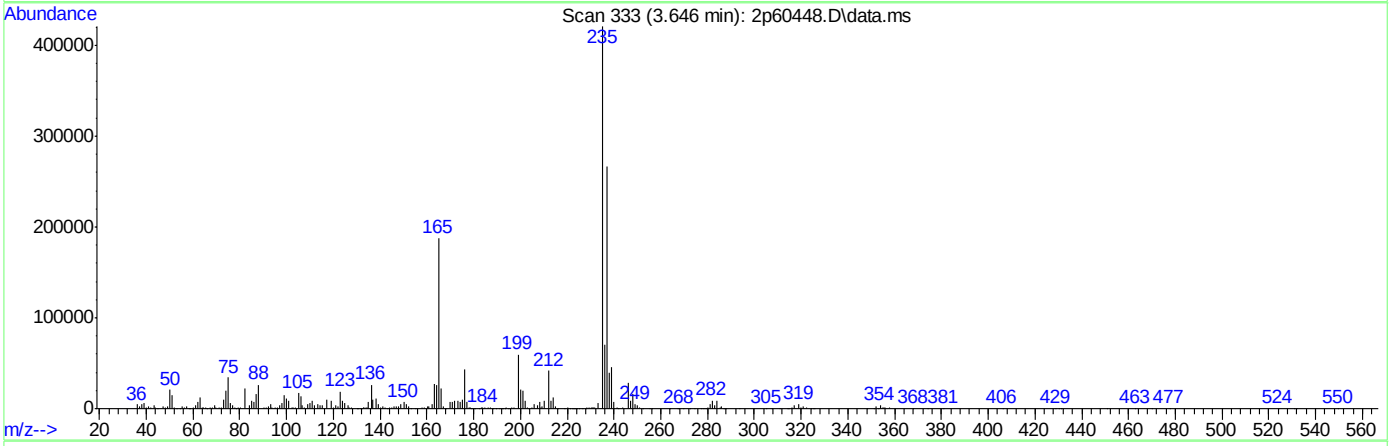
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60448.D
Acq On : 24 Jun 2016 10:58 am
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2637
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 11:01:43 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60448.D\data.ms

(3) PP-DDT

3.644min (-0.007) 47.22ppb

response 4442633

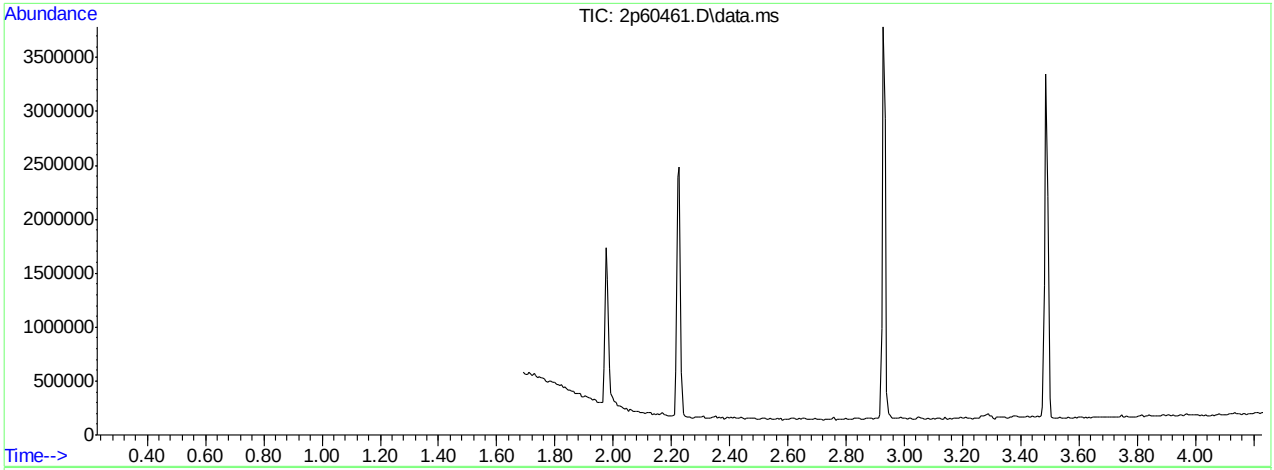
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

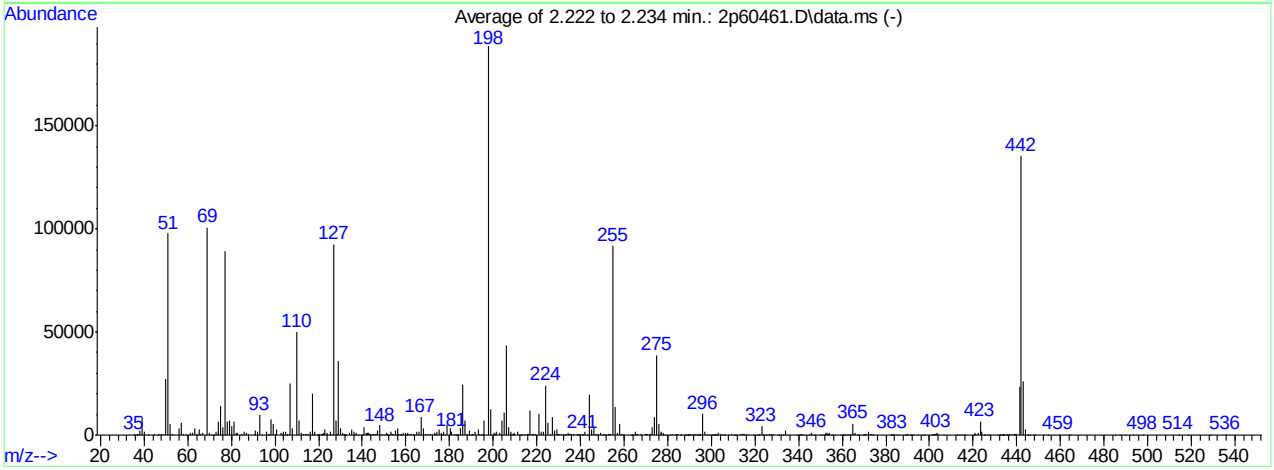
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\DATA\2P2638\2p60461.D Vial: 1
Acq On : 24 Jun 2016 5:12 pm Operator: robertl1
Sample : DFTPP Inst : MS2P
Misc : op94957,e2p2638 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :





AutoFind: Scans 91, 92, 93; Background Corrected with Scan 86

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.9	97849	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	53.5	100919	PASS
70	69	0.00	2	1.0	966	PASS
127	198	40	60	49.1	92597	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	188556	PASS
199	198	5	9	6.5	12272	PASS
275	198	10	30	20.5	38666	PASS
365	198	1	100	2.9	5543	PASS
441	443	0.01	100	89.7	23599	PASS
442	198	40	100	71.7	135272	PASS
443	442	17	23	19.4	26295	PASS

2p60461.D DFTPP2P.M Fri Jun 24 17:20:52 2016 RPT1

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.20	487	47.80	599	62.00	1060	73.95	6746
35.80	282	49.05	663	63.10	3043	74.20	390
36.80	268	50.05	27094	64.20	783	75.00	13931
37.05	391	51.05	97849	65.05	2485	76.10	4004
38.15	2030	52.00	5230	65.90	450	77.10	89468
39.05	8753	52.95	650	66.85	1084	78.05	6803
39.95	1782	56.05	3315	69.00	100919	79.10	7324
42.00	596	57.05	6134	70.00	966	80.00	4122
44.90	735	57.90	378	70.95	54	81.00	6546
46.30	267	59.05	51	72.05	85	82.00	1382
46.90	335	60.95	1191	73.05	1672	82.20	408

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.90	1129	96.90	529	105.20	45	115.90	1708
85.00	497	97.10	147	106.05	435	116.95	20390
85.95	1749	97.95	7433	107.00	25260	117.80	143
87.05	950	99.00	5350	108.05	3449	118.05	1435
87.95	569	99.95	709	110.00	49885	119.40	115
90.30	93	100.20	406	111.05	7006	119.70	165
90.95	2388	100.95	2593	112.00	1157	120.10	342
92.00	1734	103.00	1030	113.15	340	120.40	164
93.00	9569	103.50	226	113.90	492	121.10	347
94.10	253	104.00	1704	114.60	296	121.90	438
96.15	1545	105.00	1817	115.10	283	122.10	1294

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
123.05	2959	131.70	93	141.00	3888	148.05	4829
123.80	201	131.90	124	141.85	864	149.05	749
124.05	1223	132.20	510	142.20	871	149.80	219
125.25	1484	132.80	249	142.60	886	151.05	976
125.80	227	133.90	870	143.10	680	151.70	663
127.05	92597	135.00	2931	144.05	769	152.25	294
128.00	6997	136.10	1563	144.80	329	153.10	1517
128.20	642	136.70	228	145.15	486	153.85	456
129.00	36010	137.05	1201	146.00	385	154.15	700
130.00	3073	138.05	180	146.20	428	155.00	2021
131.05	912	140.25	620	146.95	1931	155.30	254

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.15	3098	164.10	204	173.95	1851	183.20	97
156.95	722	164.95	1483	175.05	2928	184.10	739
157.50	149	166.05	1493	176.00	1256	185.10	3129
157.90	749	167.00	8782	176.55	231	186.10	24511
159.00	891	168.05	3528	177.10	1598	187.00	7004
159.90	895	168.95	789	177.80	117	188.10	678
160.10	99	170.20	410	179.00	5146	189.05	2130
161.05	1342	171.20	400	180.15	3398	189.80	181
161.75	474	172.00	745	181.05	1737	190.10	123
162.30	523	173.00	1142	182.25	690	190.40	361
163.25	615	173.20	139	182.90	287	190.70	491

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
191.90	1712	201.65	1765	211.05	1829	219.15	491
193.05	2762	202.95	1127	212.05	553	221.05	10506
193.80	400	204.10	6859	212.60	172	222.20	1809
194.20	52	205.10	11007	213.00	466	223.00	1483

195.15	824	206.10	43655	214.40	115	224.10	24037
196.00	7059	207.05	3792	215.05	83	225.05	5771
198.00	188556	208.05	1650	215.90	423	225.90	113
199.00	12272	208.70	366	216.10	644	227.00	8827
200.15	1052	209.10	505	217.00	11899	228.05	1995
200.70	447	209.25	229	218.00	705	229.00	2576
201.00	311	209.85	1040	218.20	683	229.70	308

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
230.30	591	238.20	244	246.00	4089	253.70	414
231.10	765	238.50	84	246.95	743	255.10	91765
232.05	453	238.90	699	247.20	145	256.10	13630
232.90	118	239.60	86	248.30	343	257.10	1092
233.20	197	240.15	529	249.05	1213	258.00	5569
234.05	991	240.80	156	250.20	237	258.90	348
234.95	664	241.05	804	250.80	611	259.10	540
235.30	485	242.05	1500	251.50	249	259.60	184
235.80	298	243.10	286	251.80	237	260.10	138
236.60	213	244.10	19520	253.00	771	262.90	112
237.00	540	245.00	2744	253.40	711	263.70	35

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.20	165	273.05	3878	283.20	38	290.30	298
264.50	232	274.05	8549	284.00	540	291.00	91
264.90	1468	275.10	38666	284.90	469	291.80	221
265.80	318	276.05	5484	285.70	114	292.10	122
266.10	597	276.90	1079	286.20	92	293.00	586
267.85	658	277.10	1680	287.65	251	293.20	199
270.00	457	277.80	94	288.20	96	293.85	261
270.45	334	278.10	934	288.70	152	294.40	162
270.95	322	279.20	157	289.10	104	294.60	97
271.90	405	280.90	209	289.50	171	295.15	340
272.30	426	282.20	372	289.90	199	296.10	10301

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
297.05	1758	304.05	551	314.50	611	323.95	561
298.00	258	304.80	117	314.90	466	324.70	132
299.20	151	305.80	89	315.15	793	325.40	100
300.20	227	306.20	86	315.95	762	326.40	220
300.80	95	307.60	183	317.25	253	326.90	431
301.10	198	309.25	314	319.20	135	327.10	134
301.40	106	310.20	263	319.90	104	328.15	526
301.70	94	311.00	133	320.90	252	330.70	130
302.15	459	311.30	131	321.35	291	331.10	99
302.90	282	312.85	283	322.05	398	331.95	58
303.10	910	313.80	464	323.10	4374	332.80	295

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
333.10	192	346.00	1140	355.10	262	363.70	376
334.00	1990	346.80	87	355.70	96	364.20	205
335.00	163	347.30	84	356.50	86	364.75	603
339.10	154	350.00	197	359.30	206	365.05	5543
340.20	284	351.15	250	359.95	247	365.90	1087
340.70	161	352.00	142	360.40	106	366.70	147
341.05	616	352.25	1062	360.70	108	367.40	272
341.50	95	352.85	866	361.20	209	368.00	131
342.10	280	353.30	158	362.40	112	369.20	102
344.75	201	353.70	446	362.80	103	370.10	236
345.60	130	354.20	1100	363.30	147	370.70	109

Average of 2.222 to 2.234 min.: 2p60461.D\data.ms

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.00	610	385.90	102	397.60	138	413.70	149
372.05	1669	388.90	95	400.90	134	414.70	149
372.80	369	389.20	105	401.20	200	415.60	119
373.35	422	389.60	132	401.85	384	416.10	170
374.00	113	390.15	307	402.10	548	420.10	86
382.10	114	390.90	204	402.50	119	421.00	994
382.30	85	391.30	97	402.90	303	421.65	525
382.85	735	392.10	148	403.15	1286	422.15	960
383.30	246	392.50	99	404.05	744	423.15	6537
383.95	305	394.50	96	406.70	104	424.15	1649
384.90	85	396.70	112	412.80	113	424.90	114

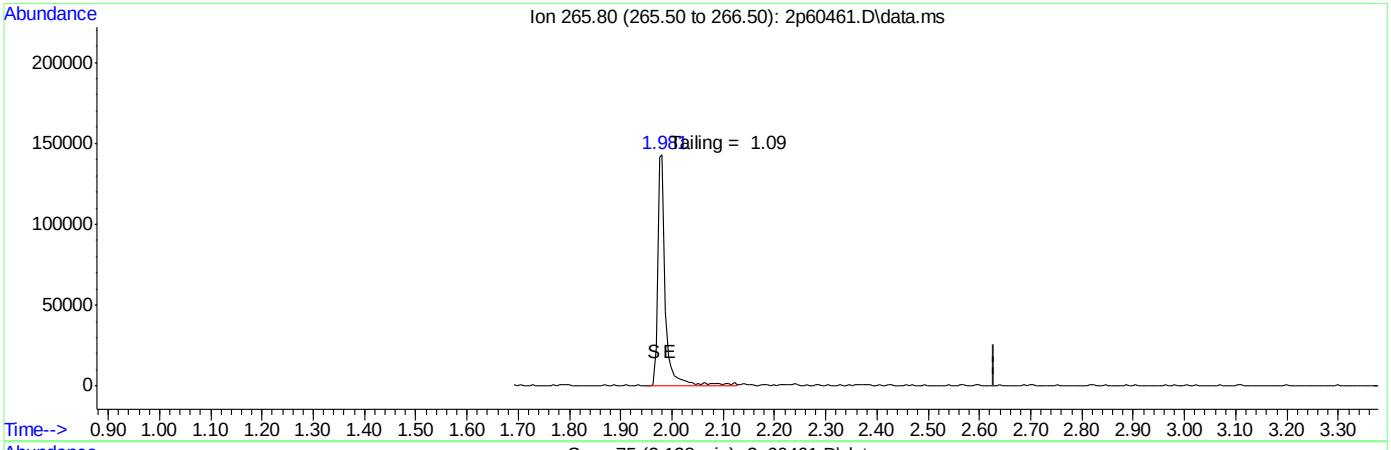
Average of 2.222 to 2.234 min.: 2p60461.D\data.ms
DFTPP
Modified:subtracted

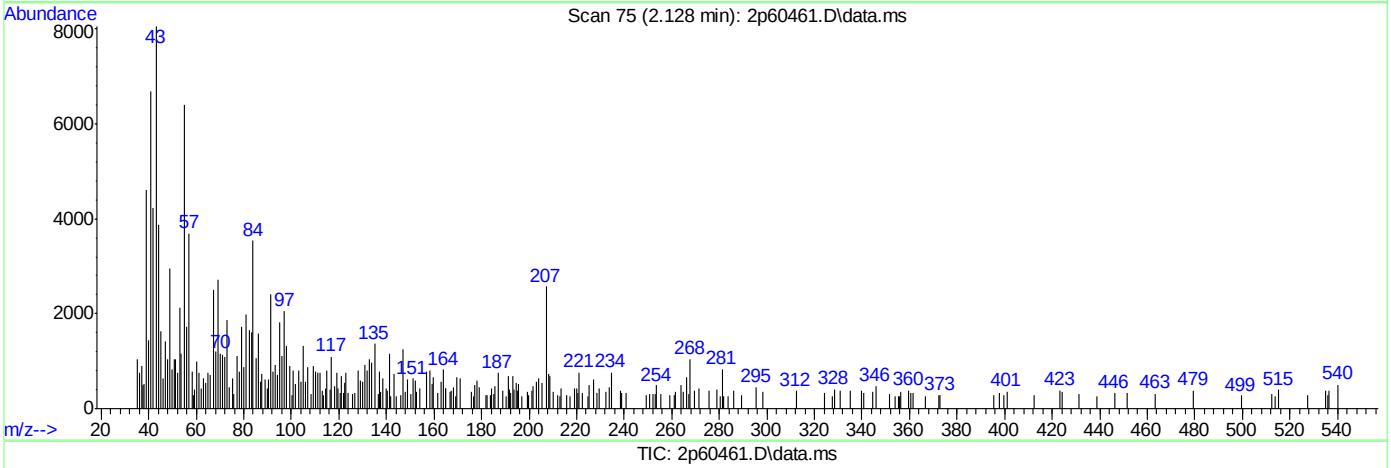
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
425.30	108	434.30	99	442.10	135272	463.90	93
426.70	117	435.10	98	443.10	26295	464.60	91
427.70	92	435.90	468	444.15	2571	485.00	93
431.30	109	436.30	249	444.90	96	487.20	109
431.90	145	436.80	602	445.20	85	489.60	127
432.20	146	437.60	375	445.90	144	493.40	93
432.40	167	438.70	461	447.50	86	497.90	168
433.20	264	439.10	257	448.60	97	514.20	89
433.50	90	439.40	739	452.00	109	518.70	89
433.70	93	440.10	312	454.00	90	528.80	85
434.10	359	441.15	23599	459.30	106	535.70	116

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60461.D
Acq On : 24 Jun 2016 5:12 pm
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2638
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 17:15:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60461.D\data.ms

(1) Pentacholorphenol

2.128min (-2.128) 0.00ppb

response 0

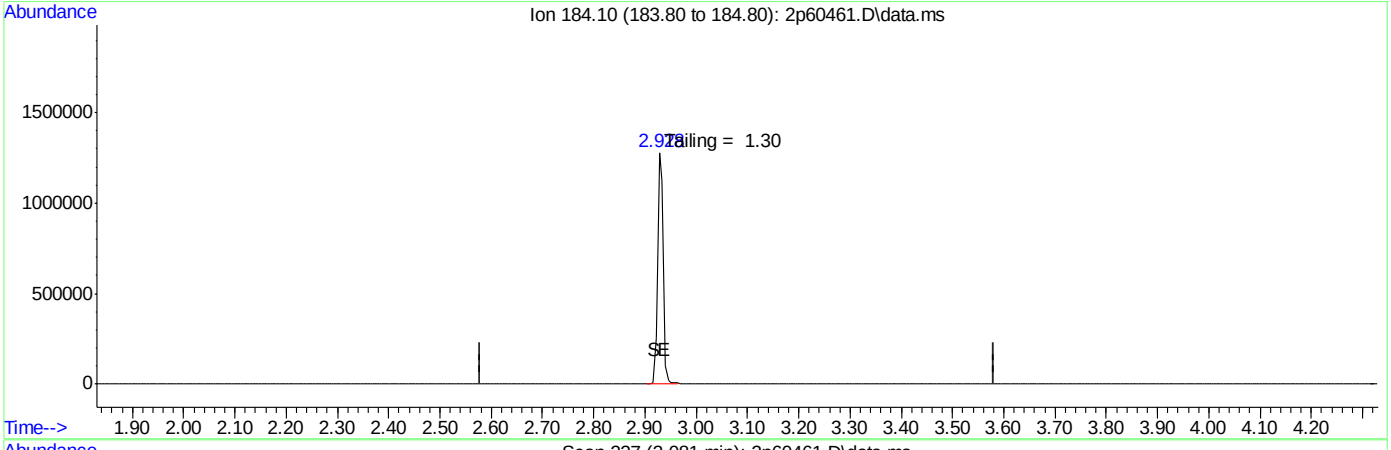
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

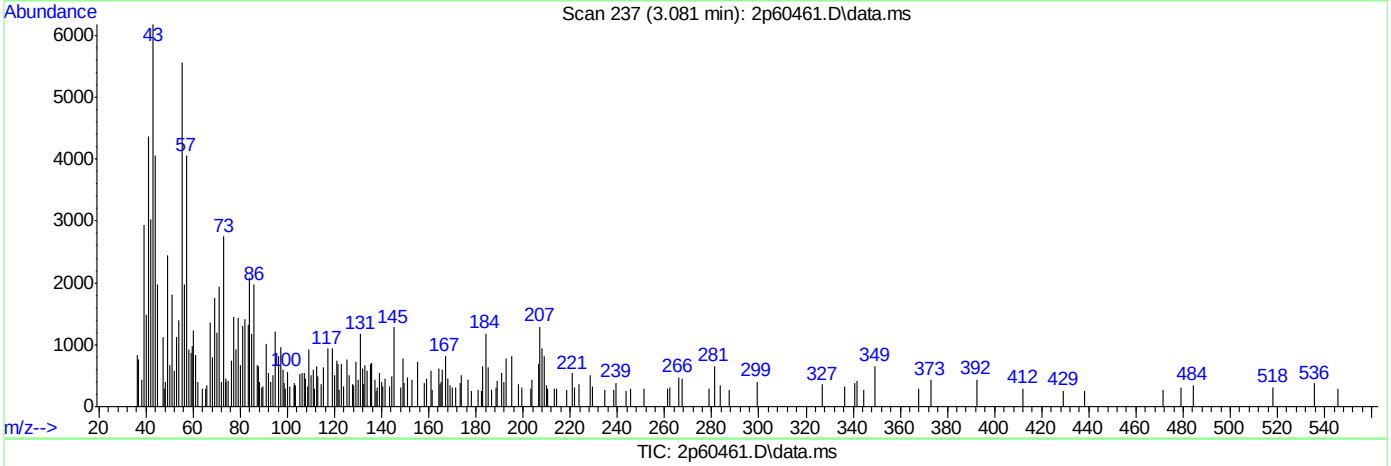
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60461.D
Acq On : 24 Jun 2016 5:12 pm
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2638
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 17:15:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60461.D\data.ms

(2) Benzidine

3.081min (-3.081) 0.00ppb

response 0

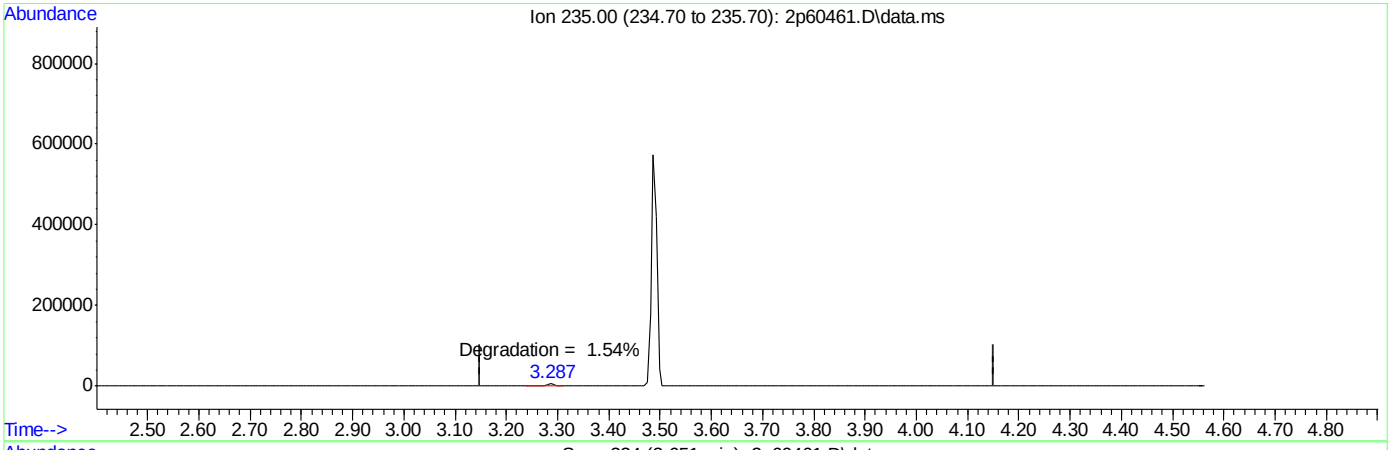
Ion	Exp%	Act%
184.10	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

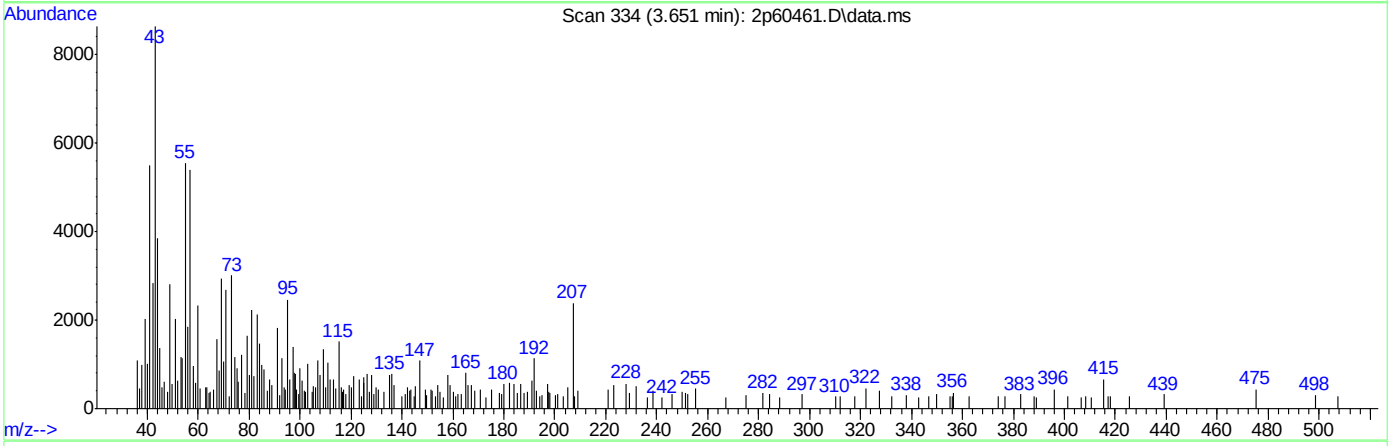
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60461.D
Acq On : 24 Jun 2016 5:12 pm
Operator : robertl1
Sample : DFTPP
Misc : op94957,e2p2638
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 17:15:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60461.D\data.ms

(3) PP-DDT

3.651min 0.00ppb d

response 0

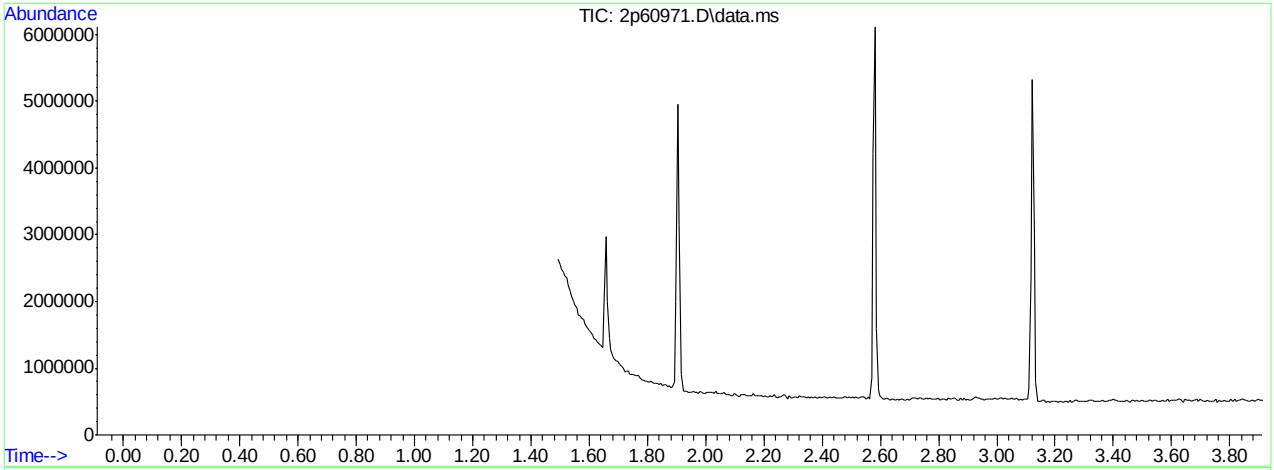
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

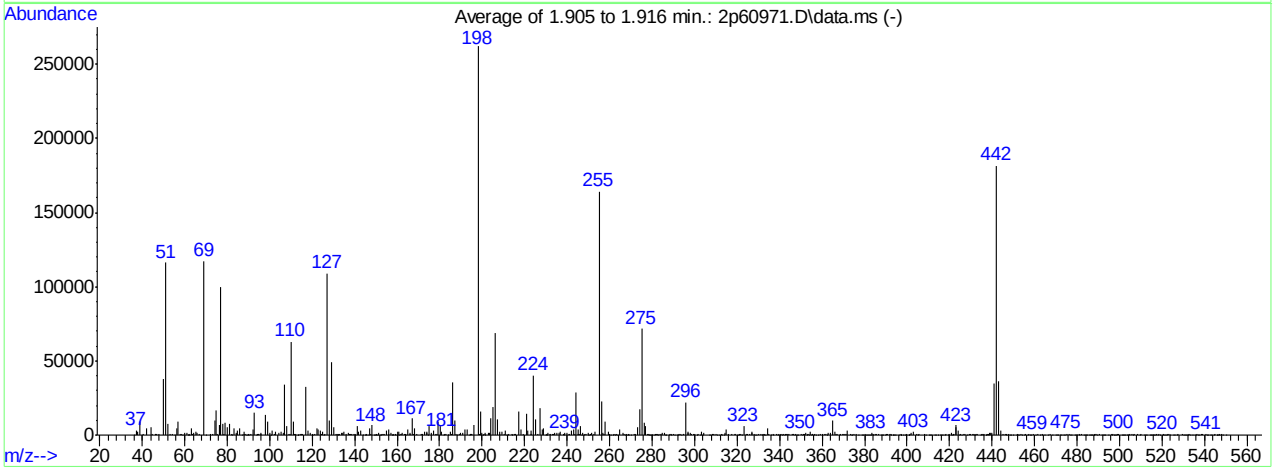
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\DATA\2P2663\2p60971.D Vial: 1
Acq On : 14 Jul 2016 9:02 am Operator: robertl1
Sample : DFTPP Inst : MS2P
Misc : op95439,e2p2663 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :





AutoFind: Scans 71, 72, 73; Background Corrected with Scan 66

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.4	116192	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	44.8	117343	PASS
70	69	0.00	2	0.2	214	PASS
127	198	40	60	41.7	109213	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	261949	PASS
199	198	5	9	6.2	16270	PASS
275	198	10	30	27.4	71673	PASS
365	198	1	100	3.6	9502	PASS
441	443	0.01	100	96.2	34786	PASS
442	198	40	100	69.3	181589	PASS
443	442	17	23	19.9	36142	PASS

2p60971.D DFTPP2P.M Thu Jul 14 09:07:13 2016 RPT1

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	405	48.00	588	58.95	265	67.00	894
37.15	3089	50.05	37786	60.05	1752	69.00	117343
37.85	2481	51.05	116192	60.80	1321	70.00	214
39.10	9402	52.05	7538	61.50	237	72.10	536
40.30	839	53.10	485	62.00	393	73.20	959
42.15	4346	54.30	890	62.30	812	74.10	9764
44.15	5296	55.00	262	63.10	4465	75.00	16607
44.90	898	56.05	4659	63.50	603	75.40	450
46.10	423	57.00	9109	63.95	1211	76.15	6773
46.30	697	57.90	499	65.10	2207	77.10	99772
46.95	1102	58.50	430	65.85	1461	78.15	7885

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.40	766	86.70	165	93.95	361	102.05	910
79.00	8481	87.85	1997	94.30	463	102.60	445
80.00	5554	88.05	473	94.70	655	102.95	2099
81.10	7342	88.30	518	94.95	588	104.20	1519
82.05	29	89.10	233	95.90	1036	105.10	2316
82.30	830	89.40	247	96.05	1372	106.30	1878
83.20	4754	89.80	297	98.00	13277	107.10	33683
84.00	1265	90.30	641	99.00	9286	108.00	5858
84.70	886	91.05	586	100.05	1361	109.20	472
85.00	2743	92.15	3459	100.60	231	109.50	707
86.00	4933	92.95	14995	101.05	3383	110.00	63004

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
111.00	9426	119.05	1488	127.10	109213	135.15	2265
111.90	1095	120.00	167	128.15	9750	136.00	767
112.10	427	120.25	1078	129.05	49038	136.90	1825
113.05	184	121.30	834	130.05	5438	137.60	839
113.50	266	122.10	4554	131.30	688	138.00	737
114.10	1160	122.95	3804	131.65	958	138.85	960
114.60	493	123.85	2948	132.15	482	139.45	599
115.05	444	124.60	419	132.35	70	140.00	81
115.60	648	125.00	2141	132.80	611	140.40	431
117.00	32505	125.60	278	133.80	1337	141.00	6183
118.00	3269	126.20	416	134.20	1201	141.85	2137

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.05	2997	150.10	444	156.05	3794	162.00	529
143.80	248	150.30	199	156.95	1486	162.35	1550
144.80	6	150.75	133	157.50	316	163.25	852
145.20	682	151.25	1244	157.90	336	163.90	230
145.40	6	152.05	202	158.20	456	164.10	551
146.60	310	152.40	160	159.05	35	165.00	4111
147.05	4357	153.00	625	159.30	729	166.00	483
147.70	424	153.30	651	160.05	2438	166.25	1522
148.00	6789	153.80	1002	160.60	266	167.05	11125
149.00	330	155.05	2945	161.00	2461	167.80	468
149.85	11	155.80	424	161.70	596	168.05	4841

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.05	827	178.00	713	185.40	692	194.30	1063
171.10	472	178.60	423	186.05	35272	194.50	446
171.65	957	179.05	9218	187.05	10050	194.90	959
172.00	728	180.05	6006	187.90	586	195.20	666

173.05	2384	181.05	2310	188.30	353	196.00	7042
173.90	1187	181.95	293	189.10	602	198.00	261949
174.20	2424	182.20	601	189.95	1188	198.80	591
174.40	359	183.15	1043	191.00	1521	199.05	16270
175.05	5855	183.80	353	192.15	3767	199.30	700
176.05	1494	184.20	14	193.15	3508	199.90	1513
176.90	3287	185.20	2242	194.00	330	200.40	166

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
201.00	505	209.10	2000	217.00	15737	228.10	3818
201.20	192	210.30	1020	218.05	3763	229.00	4242
201.50	1315	211.00	2766	219.55	493	229.95	330
203.10	1584	211.40	322	220.95	14504	230.20	431
203.40	1608	211.70	130	221.35	2836	230.40	110
204.10	11185	212.35	421	222.80	590	230.85	1639
205.10	19233	214.00	700	223.10	2864	232.00	600
206.05	68957	214.15	286	224.10	40051	232.25	432
207.10	10955	215.05	835	225.00	10932	233.10	427
208.10	2503	215.40	533	226.10	615	233.35	586
208.30	424	215.90	733	227.00	18032	234.05	1881

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.00	1512	243.80	899	249.70	211	257.95	8722
236.15	1411	244.05	29035	250.00	1197	259.20	2110
237.00	2199	245.05	3798	250.50	220	260.05	1135
238.20	607	245.30	436	251.15	1126	260.50	141
238.50	273	245.80	776	251.75	1350	261.60	245
239.10	1333	246.05	6022	252.70	547	261.90	579
240.00	1253	247.00	219	253.25	2569	262.50	360
240.90	912	247.35	1266	255.05	164047	263.00	533
241.15	1097	247.95	207	256.10	22718	263.90	401
242.15	3085	248.45	785	256.90	1829	264.95	3980
243.15	4121	248.90	872	257.30	1094	266.25	1709

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
266.85	1055	275.05	71673	280.90	101	287.70	170
267.40	280	276.05	8529	281.45	903	288.55	476
268.10	473	276.70	431	282.20	634	288.95	540
268.35	370	277.05	6094	282.40	320	289.20	209
268.70	338	277.95	536	282.80	503	290.25	1131
269.05	956	278.30	691	283.45	721	290.75	377
270.10	231	278.60	166	284.15	896	291.80	59
271.70	614	278.85	183	284.95	1609	292.10	414
272.10	888	279.30	395	285.65	1233	292.85	896
273.10	5633	279.75	185	286.10	125	293.10	613
274.15	17505	280.20	239	286.35	124	293.80	119

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
294.60	559	302.90	384	311.70	207	320.60	179
294.80	734	303.15	2104	312.50	498	321.10	1061
296.05	22058	303.70	306	312.80	289	321.80	503
296.90	1269	304.05	1640	313.80	110	322.20	89
297.15	1993	307.00	378	314.10	1796	323.15	6055
297.90	1179	307.45	413	315.00	3621	324.20	812
298.50	568	308.30	557	315.90	632	324.95	1007
299.65	490	308.60	469	317.30	545	325.70	628
300.30	855	309.25	807	318.90	541	326.80	1624
301.25	242	309.90	518	319.30	806	327.10	1966
301.80	526	310.85	337	320.20	179	327.90	463

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms

DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
328.70	144	335.80	104	342.40	402	348.60	282
329.00	115	336.90	412	342.55	554	349.95	970
330.25	661	337.25	777	343.20	433	350.55	144
331.25	563	338.50	818	343.60	416	351.00	547
331.50	202	338.90	369	344.60	700	352.00	898
332.25	502	339.75	440	346.00	876	352.25	1330
332.60	136	340.00	86	346.25	695	352.80	112
333.00	625	340.30	121	346.70	481	353.10	1065
333.20	218	340.90	480	347.00	207	353.35	573
334.10	4518	341.30	281	347.50	630	353.90	186
334.85	820	341.80	825	348.25	398	354.30	1975

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
354.80	108	362.50	218	370.30	879	379.20	161
355.30	747	363.10	1498	371.00	453	380.40	427
355.50	684	363.70	1327	371.40	490	380.60	122
356.10	242	364.70	655	372.05	3180	381.40	327
356.40	435	365.00	9502	373.30	892	381.70	157
357.00	249	366.00	2349	373.80	385	382.20	237
358.25	391	366.70	436	374.05	358	383.00	174
358.90	645	367.15	795	374.80	792	383.25	1260
359.95	979	368.25	386	375.85	463	383.70	299
361.00	960	368.80	470	377.30	344	384.00	501
362.00	521	369.60	890	378.70	215	384.90	599

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
385.60	619	393.20	414	399.90	430	410.40	212
386.55	848	393.65	103	400.65	303	410.70	225
387.60	189	394.10	64	401.00	249	411.25	349
388.35	337	394.60	214	401.30	418	412.80	347
388.90	190	396.15	205	402.10	1718	413.75	33
389.50	241	396.90	183	403.10	2144	414.70	389
390.30	535	397.20	324	404.45	649	415.80	330
390.85	692	397.35	446	405.00	201	416.20	215
391.85	785	398.05	202	405.60	458	416.90	144
392.30	463	399.10	351	408.10	478	417.50	273
392.50	155	399.30	145	408.70	409	418.05	433

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.10	387	425.20	591	432.70	937	438.50	211
419.80	554	425.60	36	433.15	710	438.95	1280
420.75	308	426.50	528	434.40	143	439.55	1406
421.10	1474	427.15	445	435.05	648	439.90	1344
421.40	188	428.05	382	435.50	327	441.15	34786
421.90	601	429.25	682	435.80	866	442.10	181589
422.10	893	430.00	675	436.35	999	443.15	36142
423.00	5429	430.80	579	437.00	285	444.05	2699
423.20	6491	431.20	647	437.30	162	445.15	1018
424.00	2870	431.45	49	437.70	825	446.00	429
424.60	207	431.90	329	438.20	1073	446.60	842

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
446.90	289	455.30	396	463.70	807	474.40	268
447.65	424	455.95	795	464.55	303	475.00	957
448.20	104	456.85	314	466.10	134	476.10	680
449.05	261	457.30	498	467.35	540	476.75	323
450.00	264	457.90	147	468.60	403	477.30	285

451.30	174	458.50	202	469.75	246	478.80	226
451.80	205	459.20	537	470.40	142	479.70	214
452.25	673	460.20	270	470.90	107	480.05	294
452.50	132	461.70	824	472.10	263	480.80	211
453.35	601	462.80	239	472.40	182	481.15	428
454.25	302	463.40	275	473.60	145	481.90	620

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
482.95	210	488.55	549	496.85	702	503.85	36
483.55	268	489.10	519	497.55	391	504.40	233
483.95	411	489.40	278	497.90	160	504.95	749
484.80	247	490.50	558	498.45	410	505.70	524
485.85	393	491.55	317	499.00	588	506.50	123
486.15	66	492.20	85	499.70	904	507.05	512
486.60	114	492.40	253	501.00	201	508.65	542
487.00	102	493.00	157	501.80	393	509.50	109
487.65	366	494.65	410	502.00	295	510.25	743
487.90	270	496.15	442	502.80	283	511.60	128
488.10	161	496.40	131	503.70	179	511.90	8

Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
512.80	179	519.00	132	527.00	189	535.30	148
514.50	258	520.40	744	527.55	633	535.90	377
514.80	202	520.80	210	529.70	528	536.45	467
515.30	151	521.05	85	530.10	325	536.80	378
515.70	124	521.70	94	530.50	97	537.35	340
516.00	295	522.10	272	531.20	325	538.55	484
516.40	244	522.45	471	531.60	134	539.25	575
516.70	76	523.50	419	532.40	339	540.75	594
517.30	470	523.90	163	532.55	491	541.40	365
517.85	175	525.60	189	533.50	175	541.70	335
518.75	467	525.95	39	534.30	86	542.60	339

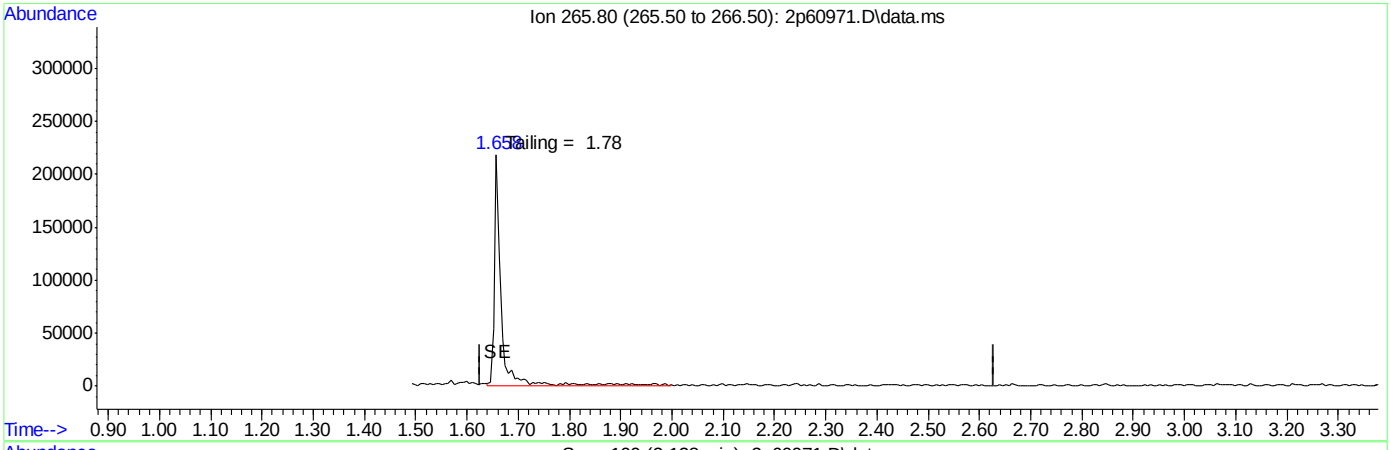
Average of 1.905 to 1.916 min.: 2p60971.D\data.ms
DFTPP
Modified:subtracted

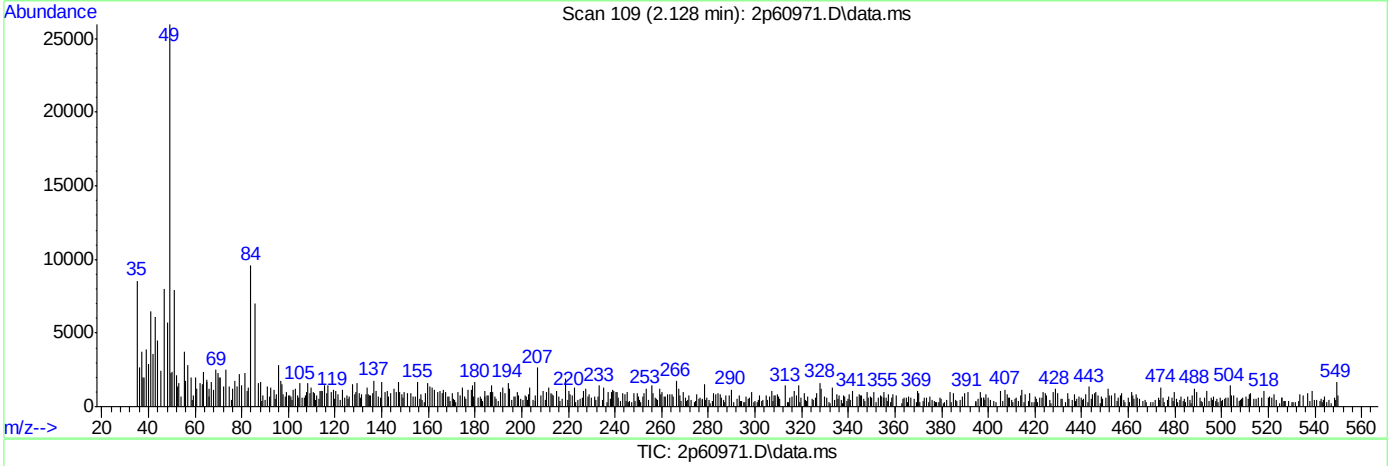
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
543.20	204						
544.10	270						
544.65	578						
545.70	172						
546.10	96						
546.40	160						
546.75	56						
547.20	557						
547.95	502						
548.80	260						
549.90	337						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60971.D
Acq On : 14 Jul 2016 9:02 am
Operator : robertl1
Sample : DFTPP
Misc : op95439,e2p2663
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 14 09:06:05 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60971.D\data.ms

(1) Pentacholorphenol

2.128min (-2.128) 0.00ppb

response 0

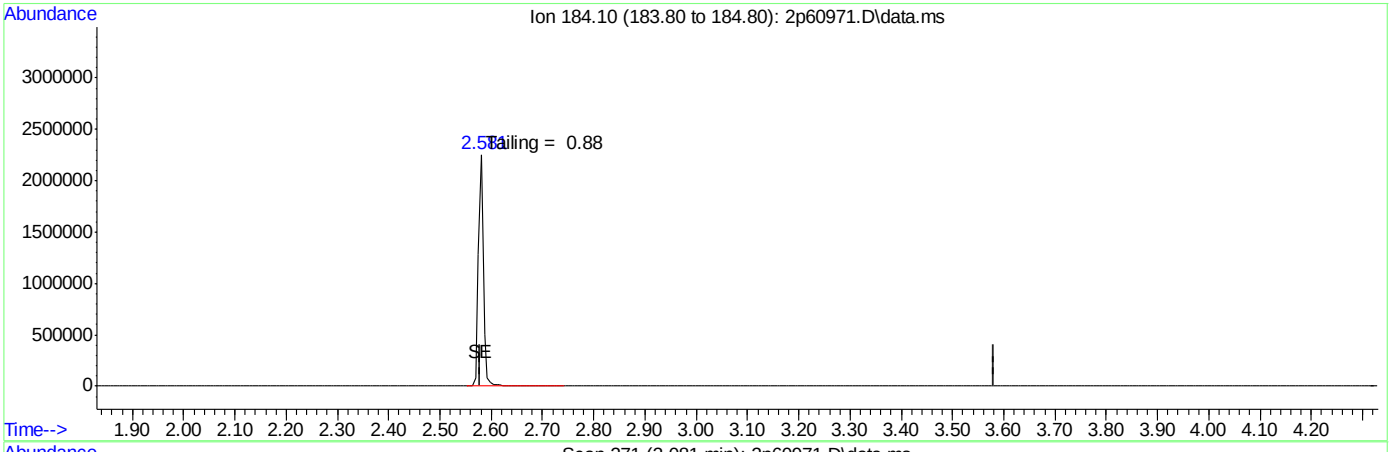
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

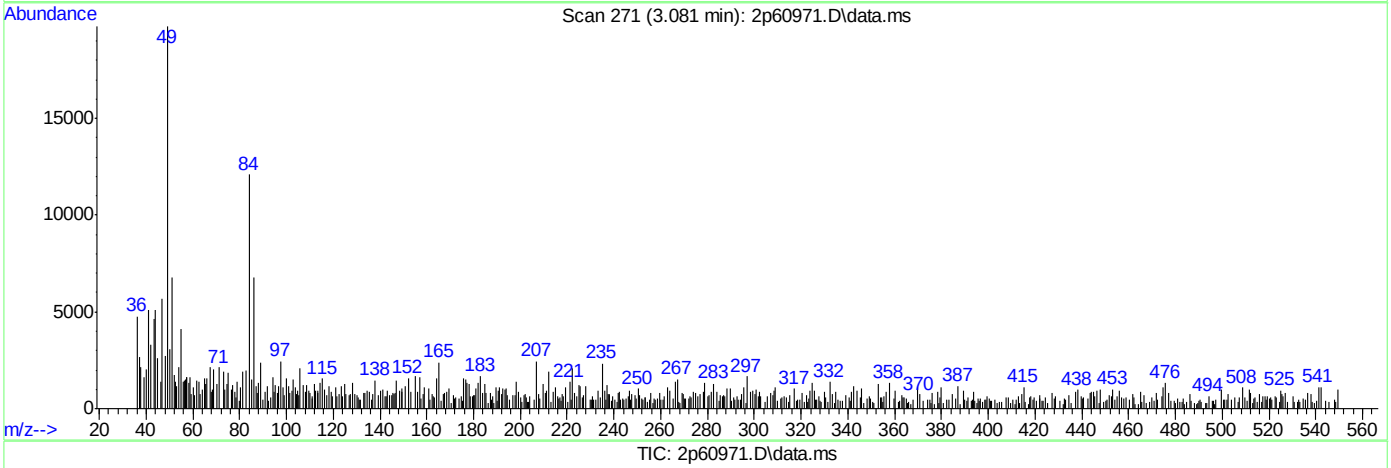
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60971.D
Acq On : 14 Jul 2016 9:02 am
Operator : robertl1
Sample : DFTPP
Misc : op95439,e2p2663
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 14 09:06:05 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60971.D\data.ms

(2) Benzidine

3.081min (-3.081) 0.00ppb

response 0

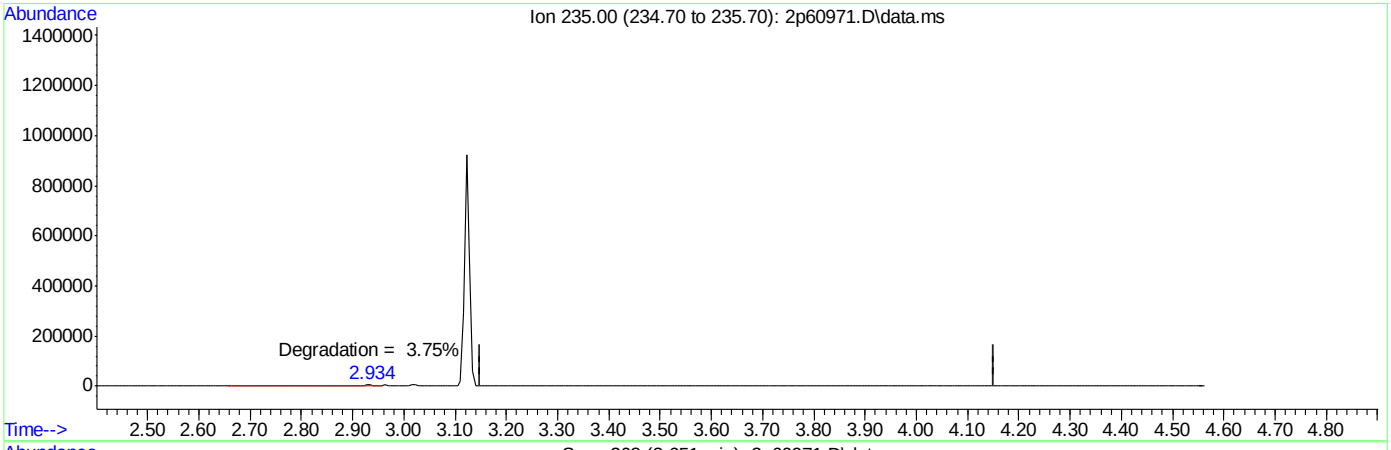
Ion	Exp%	Act%
184.10	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

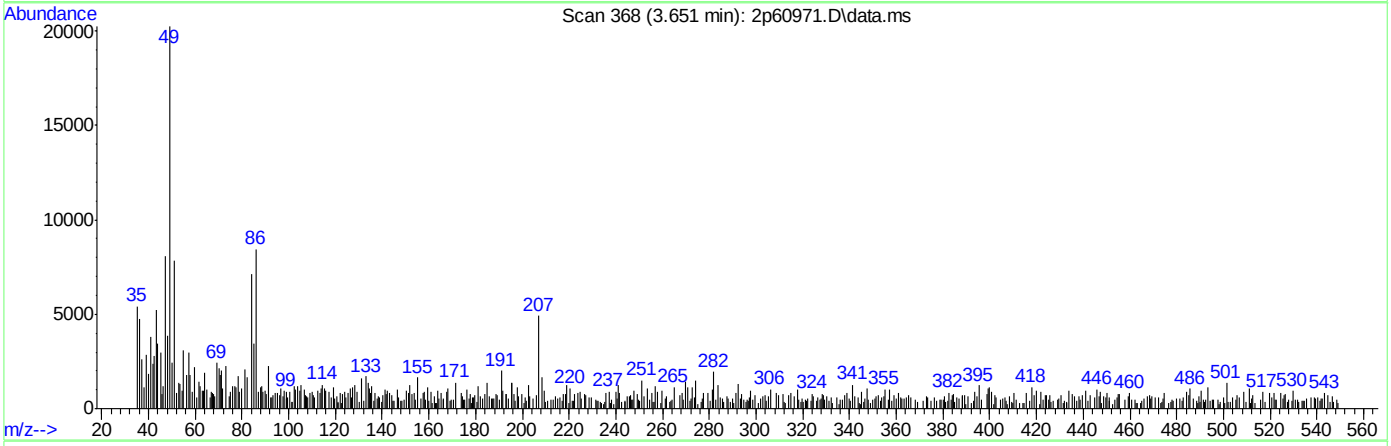
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60971.D
Acq On : 14 Jul 2016 9:02 am
Operator : robertl1
Sample : DFTPP
Misc : op95439,e2p2663
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 14 09:06:05 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Tue Aug 11 08:57:54 2015
Response via : Initial Calibration





TIC: 2p60971.D\data.ms

(3) PP-DDT

3.651min (-3.651) 0.00ppb

response 0

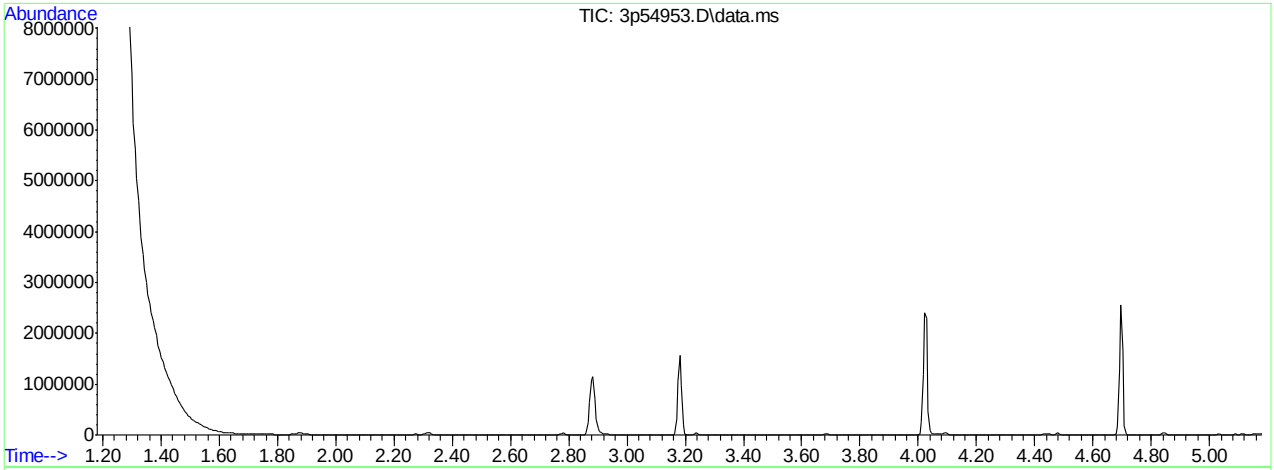
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

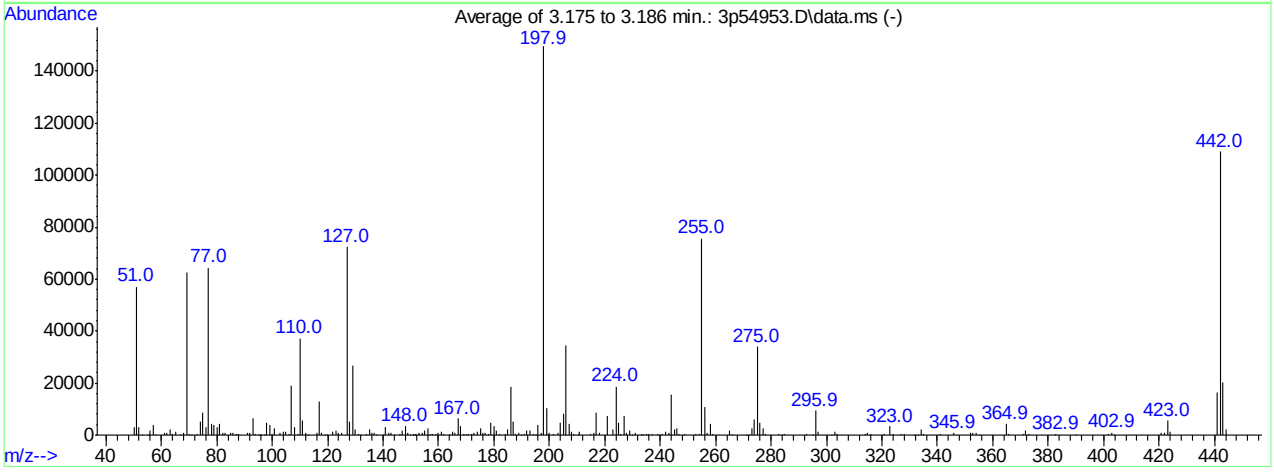
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\data\E3P2503\3p54953.D Vial: 1
Acq On : 6 Jul 2016 9:12 am Operator: hankc
Sample : DFTPP Inst : MSGC3P
Misc : op94978,e3p2503 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um





AutoFind: Scans 330, 331, 332; Background Corrected with Scan 326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.2	57126	PASS
68	69	0.00	2	1.7	1062	PASS
69	198	0.00	100	41.8	62449	PASS
70	69	0.00	2	0.6	387	PASS
127	198	40	60	48.4	72301	PASS
197	198	0.00	1	0.7	1015	PASS
198	198	100	100	100.0	149501	PASS
199	198	5	9	6.8	10162	PASS
275	198	10	30	22.7	33995	PASS
365	198	1	100	2.8	4170	PASS
441	443	0.01	100	81.6	16547	PASS
442	198	40	100	73.0	109091	PASS
443	442	17	23	18.6	20290	PASS

3p54953.D DFTPP3P.M Fri Jul 08 09:11:01 2016

Average of 3.175 to 3.186 min.: 3p54953.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	2955	63.95	301	77.00	64389	90.95	1064
51.00	57126	65.00	1197	78.00	4401	92.00	940
52.00	3031	66.90	74	79.00	3741	93.00	6346
52.95	145	68.00	1062	80.00	2904	93.95	475
54.95	92	69.00	62449	81.00	4303	94.90	222
56.00	1681	70.00	387	82.00	1086	95.90	422
57.00	3969	70.90	73	82.95	981	97.00	225
57.95	174	73.00	326	84.95	857	98.00	4664
60.95	683	74.00	5251	85.90	913	99.00	4074
62.00	761	75.00	8784	86.95	629	99.95	407
63.00	2173	76.00	2955	87.85	294	100.95	2404

Average of 3.175 to 3.186 min.: 3p54953.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
102.90	756	116.00	943	129.00	26797	141.95	1075
104.00	1459	117.00	13133	129.90	2257	142.95	764
104.95	1429	117.90	997	130.90	463	143.90	80
106.05	507	118.90	83	132.00	166	145.90	542
107.00	18956	119.95	178	133.95	652	146.95	1539
108.00	3037	121.95	1137	134.95	2002	148.00	3486
109.05	623	123.00	1852	135.90	861	148.90	761
110.00	37213	123.95	857	136.95	1076	149.90	217
111.00	5431	124.95	833	137.75	176	150.90	119
112.00	680	127.00	72301	139.90	222	151.05	269
113.00	184	128.00	5277	140.95	3070	151.60	82

Average of 3.175 to 3.186 min.: 3p54953.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
151.80	232	163.80	77	174.00	1335	186.00	18693
152.95	922	164.00	80	175.00	2520	187.00	5103
154.00	697	164.95	1126	176.00	734	187.90	524
155.00	1821	166.00	1082	176.90	1042	188.90	1043
156.00	2805	167.00	6428	177.90	378	189.90	69
157.00	558	167.95	3248	178.90	4649	190.90	527
157.90	538	168.95	570	180.00	3249	191.95	1571
158.90	430	169.95	163	180.95	1558	192.95	1817
159.95	1002	170.90	256	181.90	307	194.00	342
160.95	1447	171.95	543	183.95	377	194.90	108
161.90	411	172.95	791	185.00	2330	195.95	4036

Average of 3.175 to 3.186 min.: 3p54953.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
196.90	1015	208.90	341	225.95	440	239.00	281
197.90	149501	210.30	175	226.95	7494	239.90	183
198.90	10162	210.95	1352	227.95	999	240.85	402
199.95	720	214.90	343	228.90	1661	241.95	1113
201.35	657	216.00	706	229.90	183	243.00	1054
202.90	916	216.90	8848	230.95	689	244.00	15577
204.00	4963	217.90	1082	232.90	82	245.00	2075
205.00	8235	221.00	7477	233.90	525	245.95	2728
206.00	34419	222.95	2104	234.90	539	246.90	605
206.95	4313	224.00	18613	235.85	386	248.90	487
207.90	1104	225.00	4589	236.95	626	252.85	359

Average of 3.175 to 3.186 min.: 3p54953.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
253.95	534	273.95	6191	296.90	1394	327.90	335
255.00	75555	275.00	33995	302.00	75	331.90	126
256.00	10922	276.00	4787	303.00	1110	332.95	230
256.90	917	276.95	2683	303.85	294	334.00	1982

DFTPP3P.M Fri Jul 08 09:10:38 2016 Page: 0

257.95	4171	277.85	452	313.90	461	334.90	539
258.90	640	282.95	373	314.90	1058	340.95	414
264.95	1632	283.90	111	315.95	528	345.90	763
265.80	87	284.95	500	320.95	344	351.95	913
270.90	89	292.95	628	323.00	3263	352.95	698
271.90	86	294.90	78	324.00	600	353.95	915
272.95	2479	295.95	9348	326.90	607	355.00	102

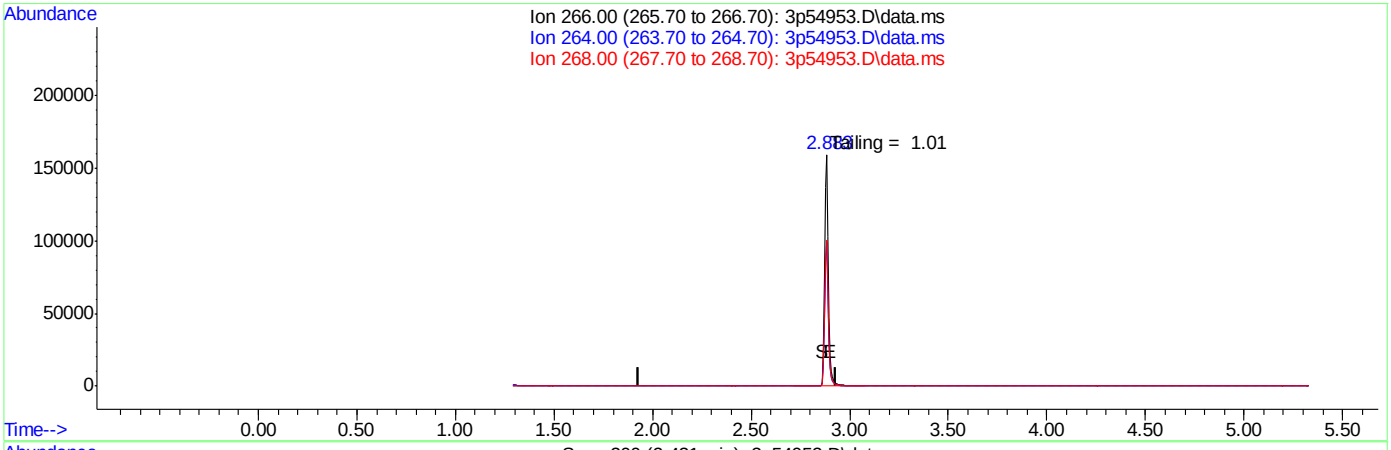
Average of 3.175 to 3.186 min.: 3p54953.D\data.ms
DFTPP
Modified:subtracted

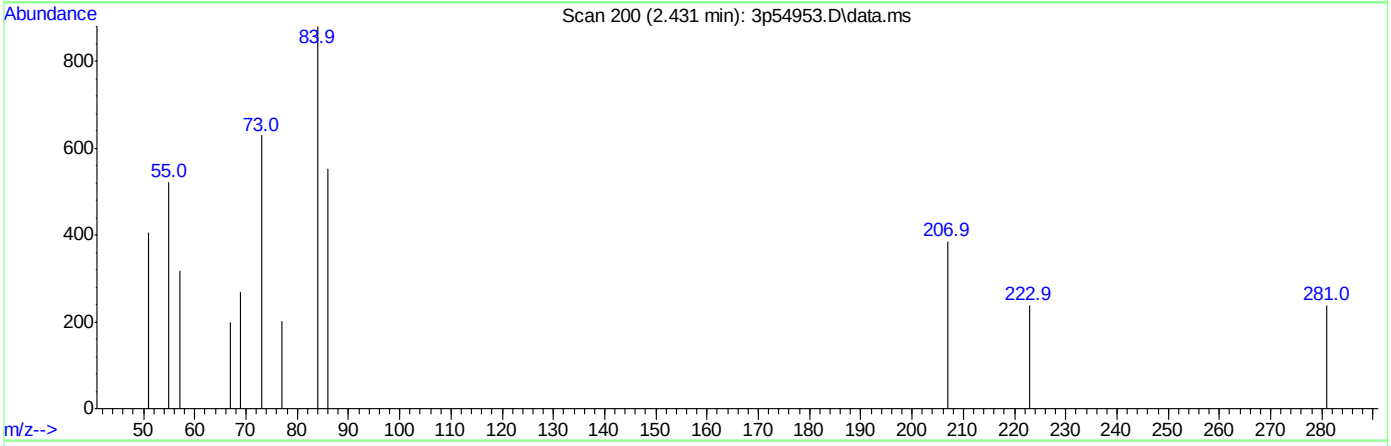
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
364.90	4170	421.95	702				
365.90	597	423.00	5541				
370.90	237	424.00	1113				
371.95	1727	441.00	16547				
372.90	423	442.00	109091				
382.90	397	443.00	20290				
389.90	210	444.00	2003				
401.85	620						
402.95	941						
403.90	227						
420.90	854						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54953.D
Acq On : 6 Jul 2016 9:12 am
Operator : hankc
Sample : DFTPP
Misc : op94978,e3p2503
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 09:18:24 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Mar 02 08:34:25 2016
Response via : Initial Calibration





TIC: 3p54953.D\data.ms

(1) Pentachlorophenol

2.431min (-2.431) 0.00

response 0

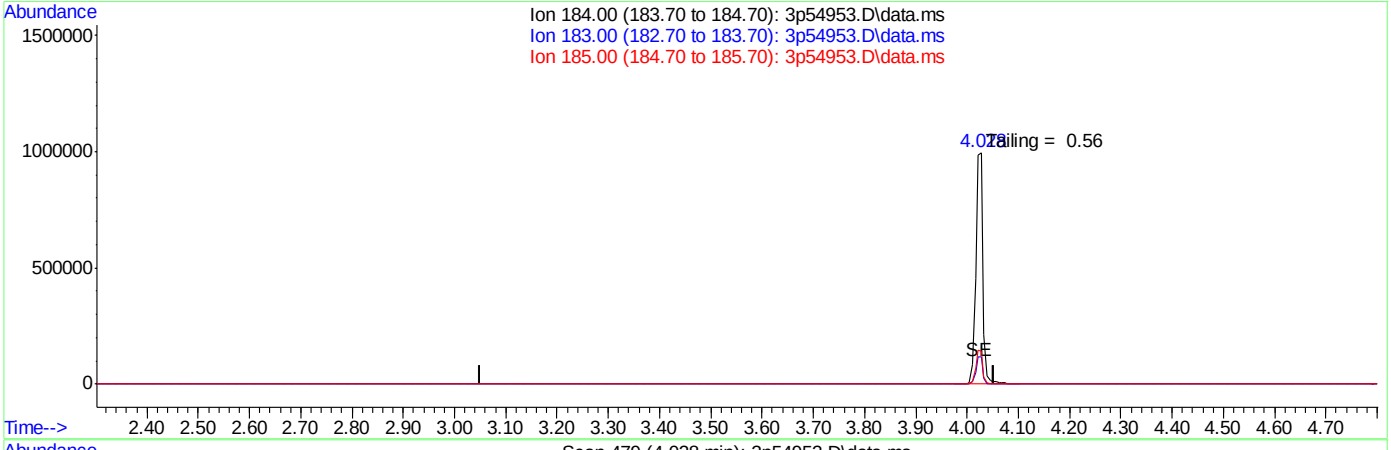
Ion	Exp%	Act%
266.00	100	0.00
264.00	0.00	0.00
268.00	0.00	0.00
0.00	0.00	0.00

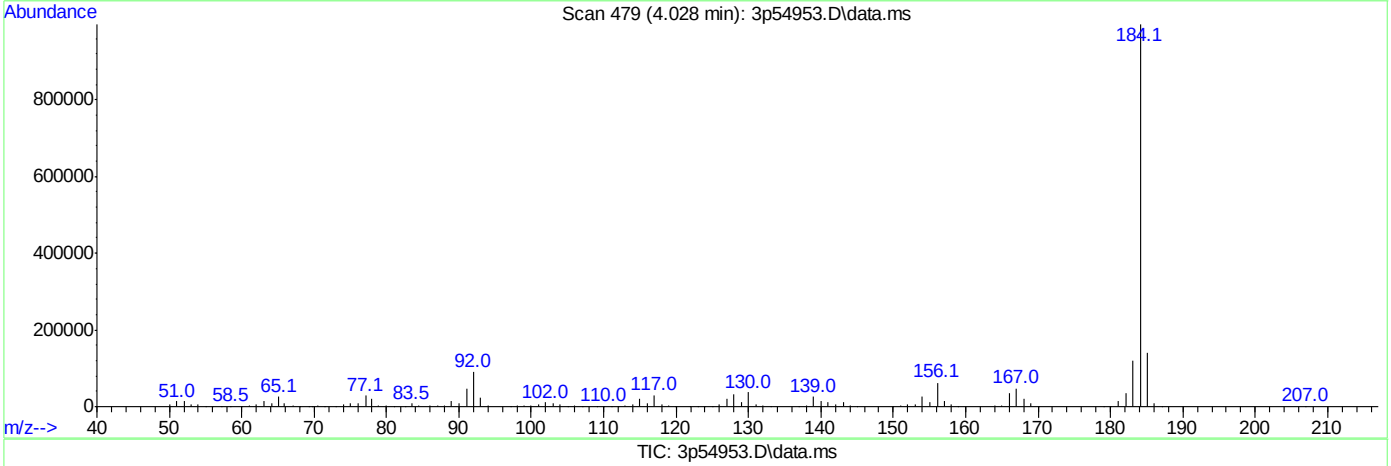
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54953.D
Acq On : 6 Jul 2016 9:12 am
Operator : hankc
Sample : DFTPP
Misc : op94978,e3p2503
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 09:18:24 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Mar 02 08:34:25 2016
Response via : Initial Calibration





TIC: 3p54953.D\data.ms

(2) Benzidine

3.552min (-3.552) 0.00

response 0

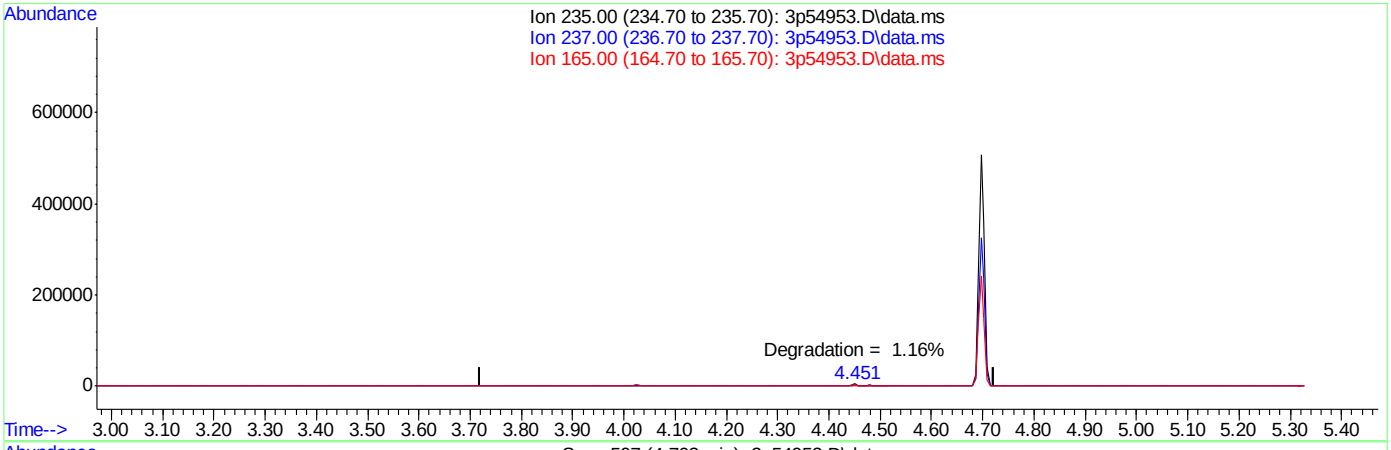
Ion	Exp%	Act%
184.00	100	0.00
183.00	0.00	0.00
185.00	0.00	0.00
0.00	0.00	0.00

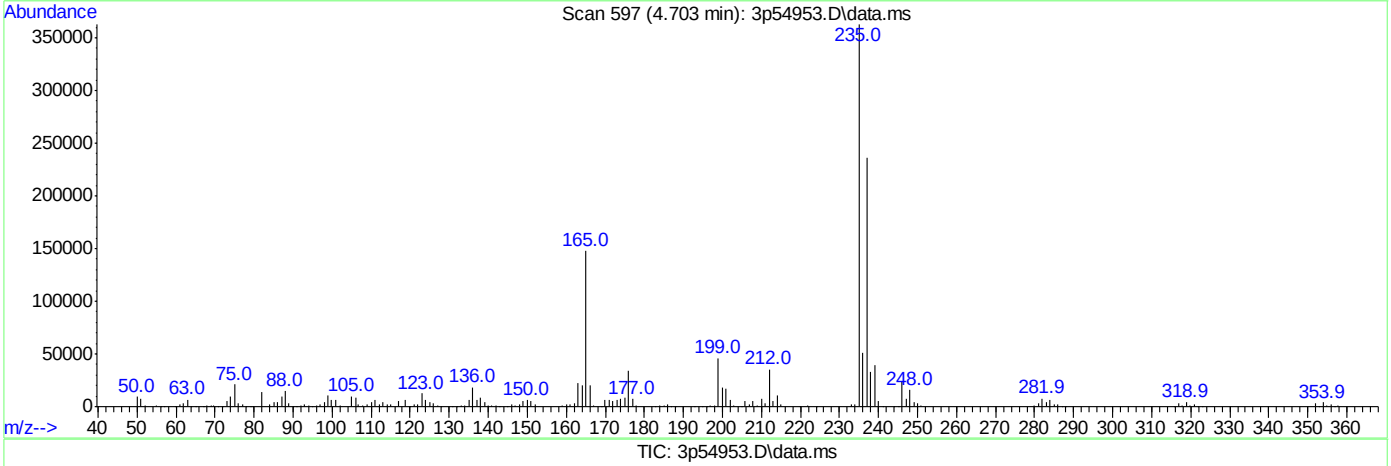
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54953.D
Acq On : 6 Jul 2016 9:12 am
Operator : hankc
Sample : DFTPP
Misc : op94978,e3p2503
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 09:18:24 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Mar 02 08:34:25 2016
Response via : Initial Calibration





TIC: 3p54953.D\data.ms

(3) PP-DDT

4.222min (-4.222) 0.00

response 0

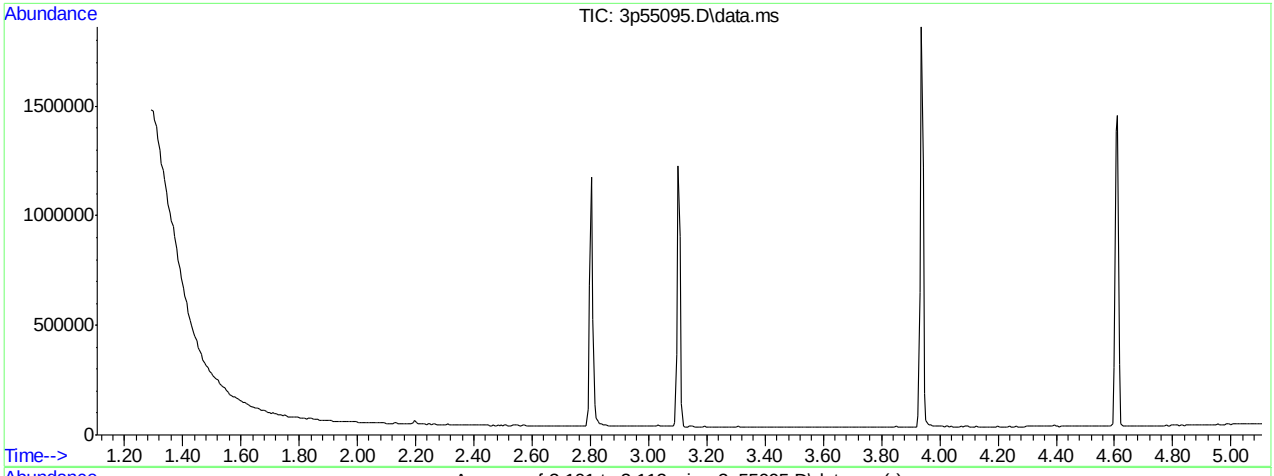
Ion	Exp%	Act%
235.00	100	0.00
237.00	0.00	0.00
165.00	0.00	0.00
0.00	0.00	0.00

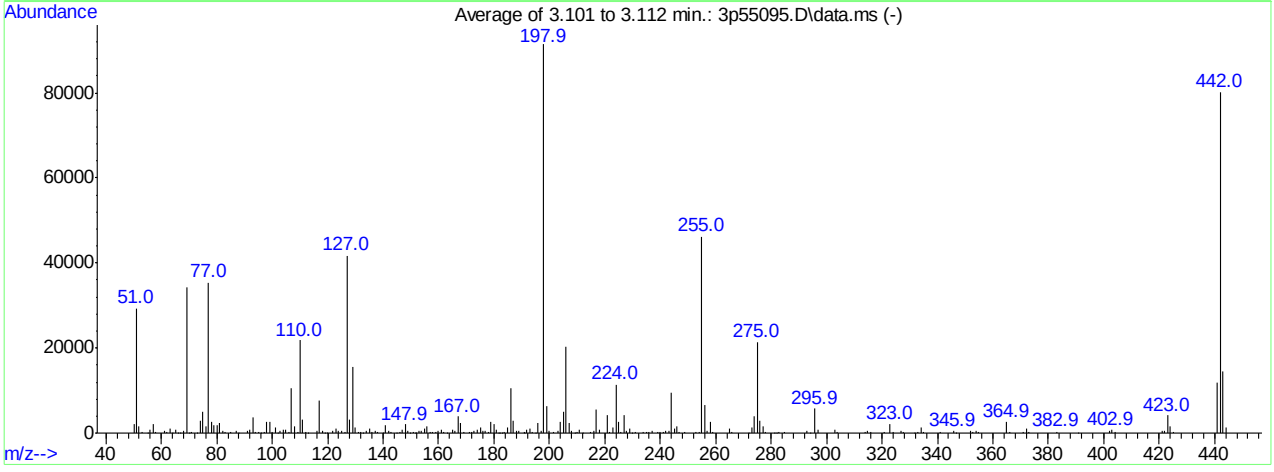
SGS ACCUTEST JC24003

DFTPP

Data File : C:\msdchem\1\data\E3P2511\3p55095.D Vial: 1
Acq On : 14 Jul 2016 9:39 am Operator: hankc
Sample : dftpp Inst : MSGC3P
Misc : op95332a,e3p2511 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um





AutoFind: Scans 317, 318, 319; Background Corrected with Scan 312

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.1	29322	PASS
68	69	0.00	2	1.6	545	PASS
69	198	0.00	100	37.4	34215	PASS
70	69	0.00	2	0.3	97	PASS
127	198	40	60	45.7	41799	PASS
197	198	0.00	1	0.5	413	PASS
198	198	100	100	100.0	91402	PASS
199	198	5	9	6.8	6254	PASS
275	198	10	30	23.4	21377	PASS
365	198	1	100	2.9	2614	PASS
441	443	0.01	100	81.4	11888	PASS
442	198	40	100	87.8	80216	PASS
443	442	17	23	18.2	14600	PASS

3p55095.D DFTPP3P.M Thu Jul 14 14:32:49 2016

Average of 3.101 to 3.112 min.: 3p55095.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	2248	63.90	127	76.00	1466	91.00	499
51.00	29322	65.00	696	76.95	35426	92.00	668
52.00	1688	65.90	72	77.95	2676	93.00	3789
53.00	165	66.90	90	79.00	1971	93.95	282
55.00	81	68.00	545	79.95	1814	94.90	234
56.00	842	69.00	34215	81.00	2369	96.00	74
57.00	2115	69.95	97	82.00	558	97.05	192
58.00	208	71.00	224	82.95	260	97.95	2674
61.00	479	73.00	110	84.90	330	98.95	2631
61.95	400	74.00	3017	86.90	430	99.90	208
63.00	1127	75.00	5000	87.90	21	101.00	1419

Average of 3.101 to 3.112 min.: 3p55095.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
101.90	86	112.90	94	127.00	41799	137.90	170
102.95	455	116.00	516	127.95	3081	139.90	106
103.90	789	117.00	7626	128.95	15676	140.95	1835
104.95	814	117.95	552	129.95	1253	141.90	582
105.90	281	118.90	103	131.00	246	142.90	400
107.00	10652	119.90	88	131.95	166	144.90	87
107.95	1711	121.95	610	132.90	24	145.95	282
109.05	296	122.90	974	133.90	463	146.90	712
110.00	21792	123.95	478	135.00	1069	147.90	2043
111.00	3197	124.95	557	135.90	403	149.00	515
111.90	365	126.10	160	136.95	651	149.80	75

Average of 3.101 to 3.112 min.: 3p55095.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
150.90	290	161.00	807	174.00	796	183.85	200
151.60	106	161.85	254	175.00	1387	184.95	1308
151.80	70	163.00	88	176.00	475	186.00	10599
152.95	501	164.90	695	176.90	655	186.95	2964
153.90	480	165.95	560	177.90	227	187.95	413
154.95	1073	167.00	3920	178.90	2773	188.90	601
155.95	1579	167.95	2469	179.95	2142	190.85	132
156.95	297	168.95	388	180.90	924	191.10	160
157.95	286	170.95	153	181.80	100	191.95	859
158.95	235	171.90	319	182.00	98	192.90	961
159.90	559	172.90	475	182.90	70	193.90	234

Average of 3.101 to 3.112 min.: 3p55095.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
194.90	92	207.00	2341	221.80	320	234.90	335
195.95	2474	207.90	445	223.00	1213	235.95	211
196.90	413	208.95	102	224.00	11394	236.90	494
197.90	91402	210.00	321	225.00	2529	238.95	181
198.90	6254	210.80	686	225.90	346	239.90	182
199.95	450	211.90	75	226.95	4322	240.95	228
201.35	400	214.85	180	227.90	605	241.95	583
202.90	506	215.90	430	228.90	994	242.95	660
204.00	2692	216.90	5462	229.90	89	244.00	9620
205.00	4950	217.90	693	230.95	386	245.00	1185
206.00	20253	220.90	4339	233.90	279	245.90	1520

Average of 3.101 to 3.112 min.: 3p55095.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
246.85	327	271.90	78	292.90	434	323.90	368
248.95	323	272.90	1406	293.90	80	326.90	423
252.90	219	273.90	4011	295.90	5797	327.85	198
253.90	236	275.00	21377	296.90	776	331.90	138

M3P2503SIM.M Thu Jul 14 12:22:16 2016 Page: 0

255.00	46263	275.95	2878	303.00	676	332.85	184
255.90	6691	276.95	1602	303.90	199	333.95	1388
256.90	587	277.90	352	314.00	313	334.95	267
257.90	2543	280.95	106	314.90	626	340.90	320
258.95	359	281.90	69	315.90	352	345.85	439
264.90	972	282.95	296	320.95	192	346.80	79
265.85	178	284.90	303	323.00	2130	351.95	508

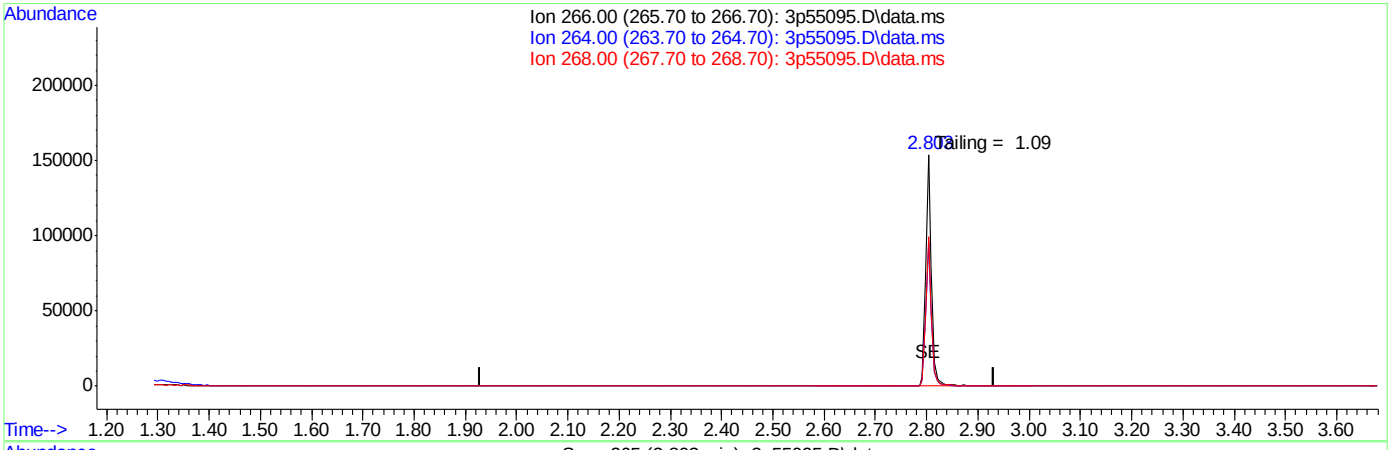
Average of 3.101 to 3.112 min.: 3p55095.D\data.ms
dftpp
Modified:subtracted

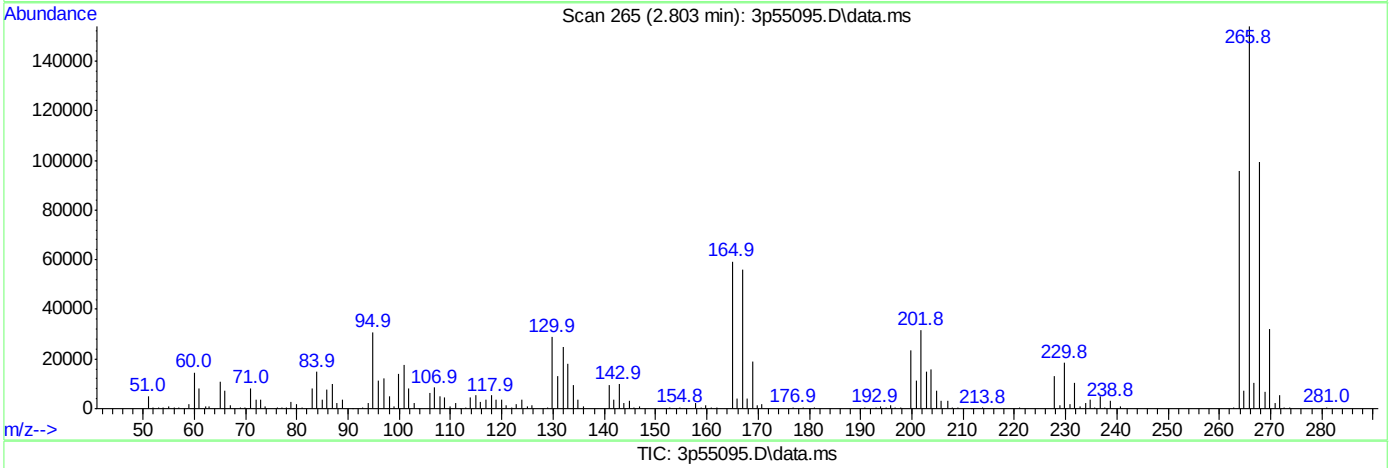
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.85	397	402.90	746				
353.95	652	403.90	261				
354.90	171	420.90	616				
364.90	2614	421.90	519				
365.90	319	423.00	4144				
370.95	172	423.95	1479				
371.95	1055	424.95	224				
372.90	278	441.00	11888				
382.90	319	442.00	80216				
390.90	74	443.00	14600				
401.90	431	443.95	1375				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55095.D
Acq On : 14 Jul 2016 9:39 am
Operator : hankc
Sample : dftpp
Misc : op95332a,e3p2511
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 14 09:46:24 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Mar 02 08:34:25 2016
Response via : Initial Calibration





TIC: 3p55095.D\data.ms

(1) Pentachlorophenol

2.431min (-2.431) 0.00

response 0

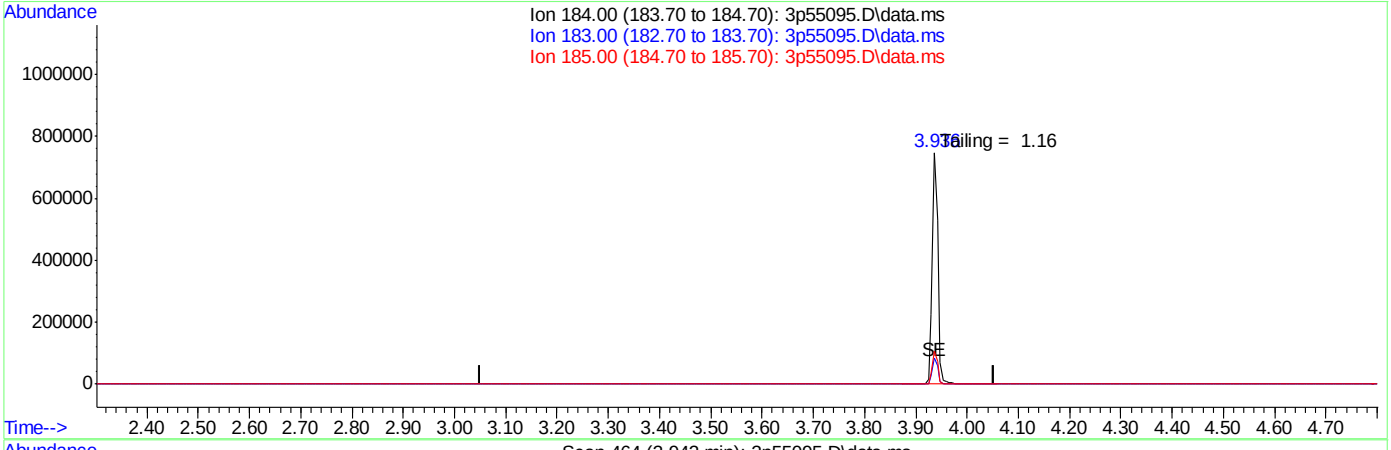
Ion	Exp%	Act%
266.00	100	0.00
264.00	0.00	0.00
268.00	0.00	0.00
0.00	0.00	0.00

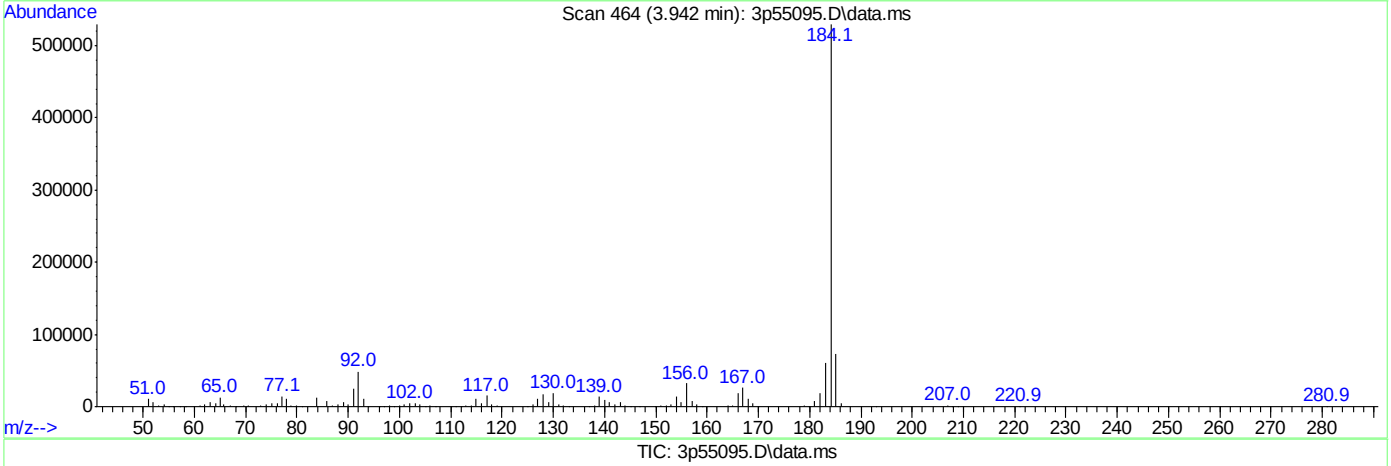
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55095.D
Acq On    : 14 Jul 2016   9:39 am
Operator  : hankc
Sample    : dftpp
Misc      : op95332a,e3p2511
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Jul 14 09:46:24 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title  : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Mar 02 08:34:25 2016
Response via : Initial Calibration
```





TIC: 3p55095.D\data.ms

(2) Benzidine

3.552min (-3.552) 0.00

response 0

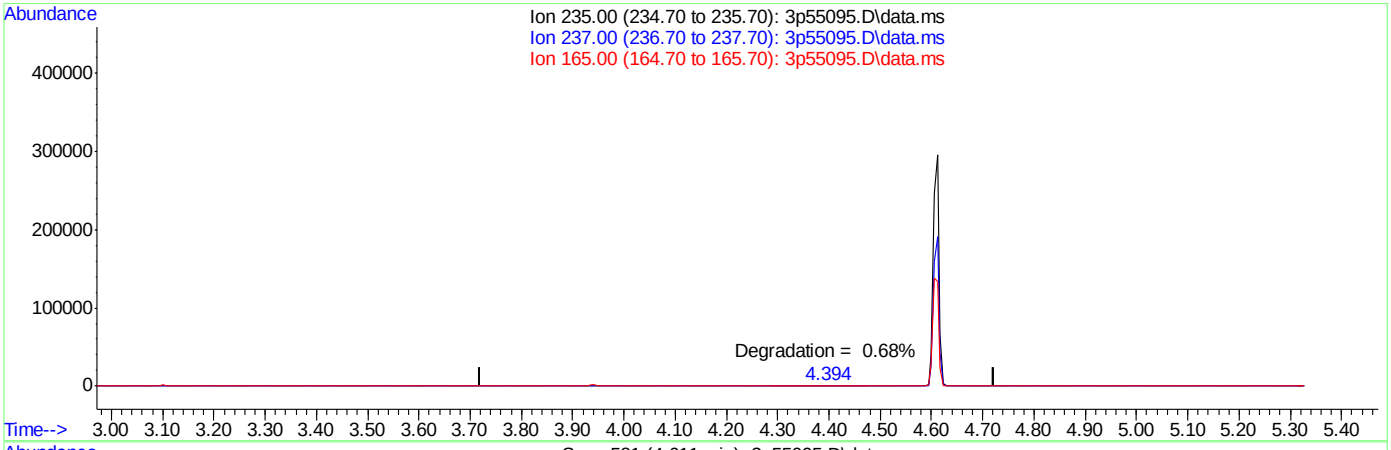
Ion	Exp%	Act%
184.00	100	0.00
183.00	0.00	0.00
185.00	0.00	0.00
0.00	0.00	0.00

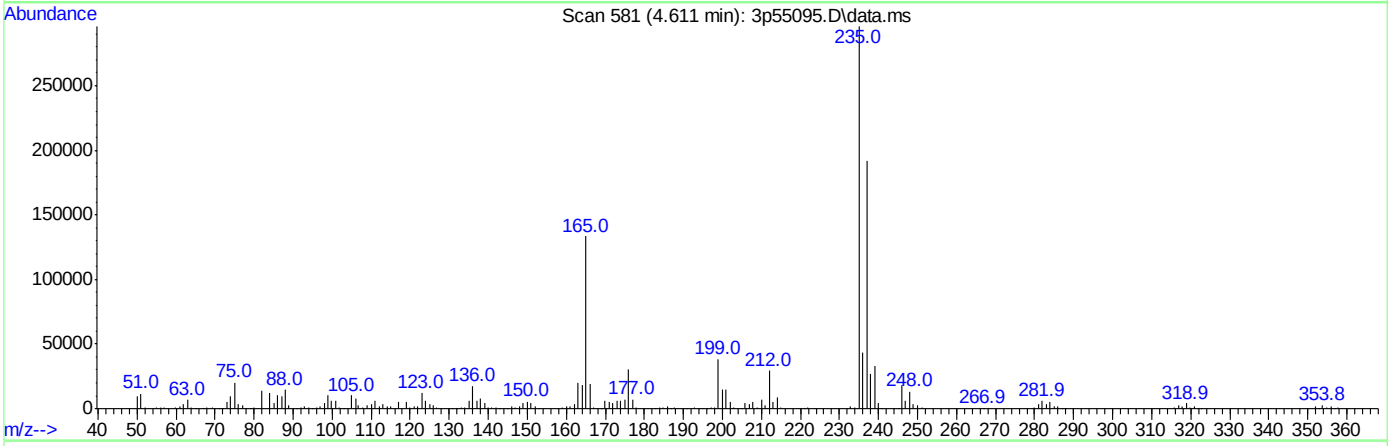
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55095.D
Acq On    : 14 Jul 2016   9:39 am
Operator  : hankc
Sample    : dftpp
Misc      : op95332a,e3p2511
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Jul 14 09:46:24 2016
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title  : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Mar 02 08:34:25 2016
Response via : Initial Calibration
```





(3) PP-DDT

4.222min (-4.222) 0.00

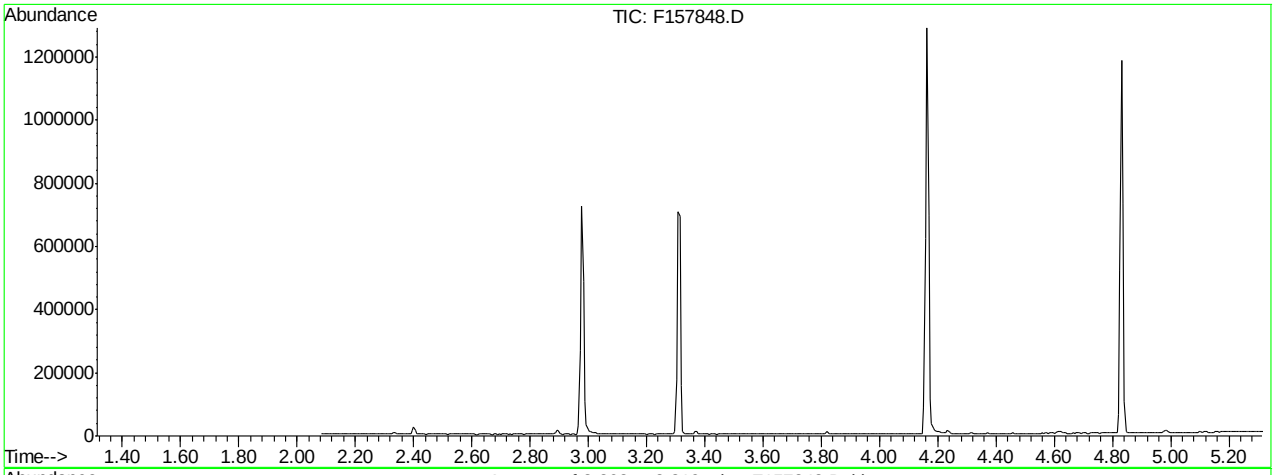
response 0

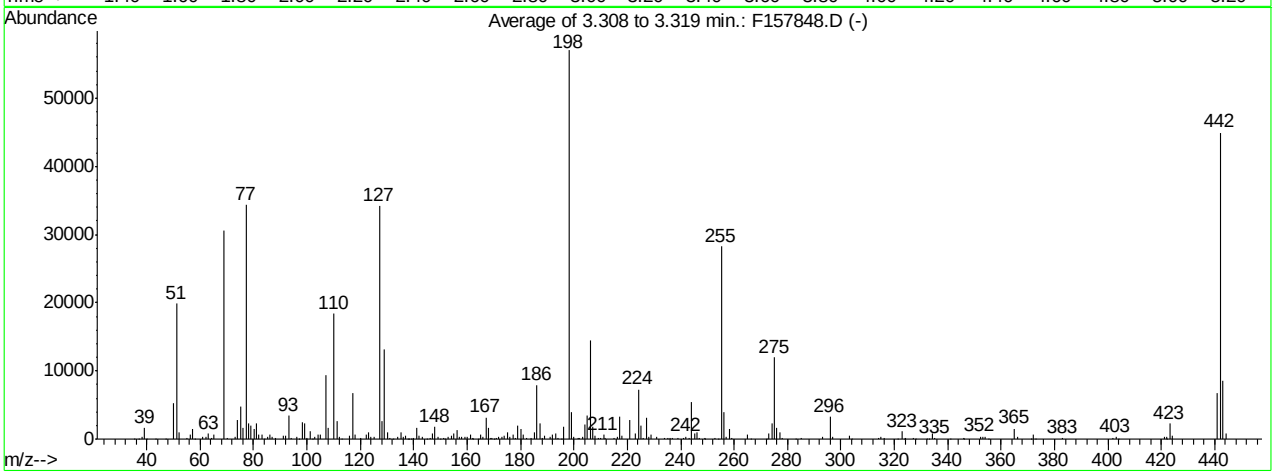
Ion	Exp%	Act%
235.00	100	0.00
237.00	0.00	0.00
165.00	0.00	0.00
0.00	0.00	0.00

SGS ACCUTEST JC24003

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF6644\F157848.D Vial: 1
Acq On : 9 Jun 2016 7:36 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um





AutoFind: Scans 230, 231, 232; Background Corrected with Scan 225

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.8	19838	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	53.7	30591	PASS
70	69	0.00	2	0.6	187	PASS
127	198	40	60	59.9	34116	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	56985	PASS
199	198	5	9	7.1	4019	PASS
275	198	10	30	21.0	11955	PASS
365	198	1	100	2.6	1510	PASS
441	443	0.10	100	77.7	6681	PASS
442	198	40	100	78.8	44896	PASS
443	442	17	23	19.2	8599	PASS

F157848.D DFTPPF.M Thu Jun 09 07:45:00 2016 RT1

Average of 3.308 to 3.319 min.: F157848.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	55	56.10	634	74.10	2866	85.10	385
37.10	61	57.10	1523	75.10	4804	86.00	615
38.10	281	57.90	51	76.15	1631	87.05	268
39.10	1595	61.10	332	77.10	34322	88.00	102
40.00	85	62.05	345	78.10	2357	91.05	482
43.10	55	63.10	821	79.10	2031	92.00	561
47.00	66	64.10	141	80.10	1463	93.10	3402
50.10	5257	65.10	649	81.10	2295	94.05	172
51.10	19838	69.05	30591	82.05	628	96.10	252
52.10	986	70.10	187	83.10	603	96.90	56
55.10	150	73.15	309	84.00	49	98.10	2460

Average of 3.308 to 3.319 min.: F157848.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.10	2227	112.00	310	128.05	2582	138.90	64
100.10	205	113.00	87	129.05	13222	139.95	151
101.10	1171	116.05	452	130.05	1011	141.00	1582
102.00	60	117.10	6808	131.05	165	142.05	481
103.05	386	118.05	618	132.10	56	143.00	346
104.00	741	120.00	135	134.05	301	144.90	54
105.05	676	122.05	700	135.10	1057	145.95	191
107.10	9457	123.00	917	136.00	341	147.00	848
108.10	1601	124.00	407	137.05	524	148.00	1762
110.10	18365	125.05	360	137.80	79	149.00	397
111.10	2680	127.10	34116	138.10	72	150.10	71

Average of 3.308 to 3.319 min.: F157848.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
151.10	186	161.90	113	171.95	262	184.05	198
151.80	81	162.10	77	173.05	355	185.05	1067
153.05	358	164.10	58	174.05	534	186.10	7974
154.00	424	165.05	617	175.10	1053	187.10	2315
155.05	807	166.05	288	176.10	363	188.00	239
156.10	1338	167.10	3154	177.05	590	189.00	491
157.10	255	168.05	1701	178.00	131	190.95	274
157.95	256	168.90	106	179.05	2047	192.05	639
159.00	254	169.10	118	180.05	1555	193.10	806
160.05	415	170.10	50	181.05	673	194.15	187
161.05	721	171.00	151	182.05	133	195.10	57

Average of 3.308 to 3.319 min.: F157848.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
196.05	1804	208.05	470	224.10	7297	239.05	118
198.00	56985	208.95	165	225.10	2011	241.15	133
199.00	4019	210.10	143	226.10	230	242.05	332
200.00	276	211.05	645	227.10	3093	243.10	180
201.45	224	211.85	189	228.05	363	244.10	5358
202.10	120	215.00	168	229.05	734	245.10	747
203.05	348	216.15	309	231.00	256	246.10	982
204.10	2097	217.00	3349	234.00	183	247.05	177
205.10	3428	218.05	542	235.00	151	248.90	64
206.10	14407	221.05	2863	235.95	152	249.10	98
207.10	1801	223.00	809	236.95	224	252.95	156

Average of 3.308 to 3.319 min.: F157848.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
254.00	82	275.10	11955	314.15	138	334.05	815
255.10	28223	276.05	1674	315.00	302	335.10	150
256.05	4024	277.05	1043	316.00	171	341.10	83
257.10	275	278.00	125	321.10	53	345.90	82

258.05	1529	283.00	68	323.10	1133	346.10	234
259.00	206	285.10	141	323.90	70	352.10	382
265.05	685	293.10	269	324.10	99	353.10	282
266.10	60	296.00	3250	327.05	135	354.00	406
271.90	52	297.00	405	327.90	50	355.10	54
273.10	893	303.00	467	332.10	57	365.00	1510
274.05	2336	304.00	55	333.10	69	366.00	270

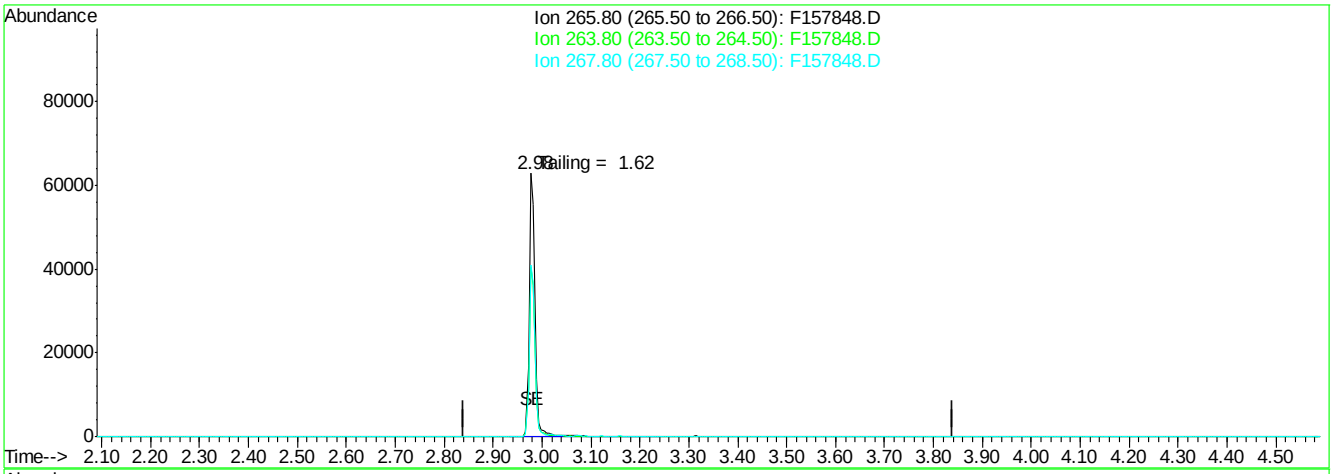
Average of 3.308 to 3.319 min.: F157848.D
dftpp
Modified:subtracted

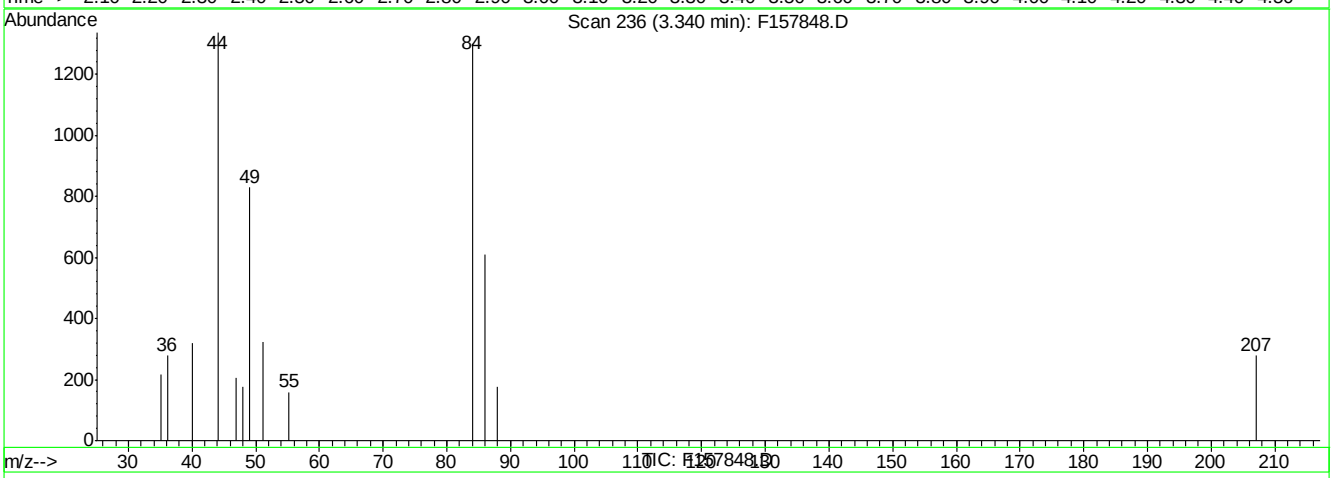
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.10	69	424.05	539				
372.05	605	441.10	6681				
373.00	66	442.10	44896				
383.00	131	443.10	8599				
402.00	222	444.10	896				
402.95	308						
404.00	64						
421.10	314						
421.90	82						
422.05	286						
423.10	2233						

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157848.D Vial: 1
Acq On : 9 Jun 2016 7:36 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 9 7:42 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

3.34min 0.00ppb

response 0

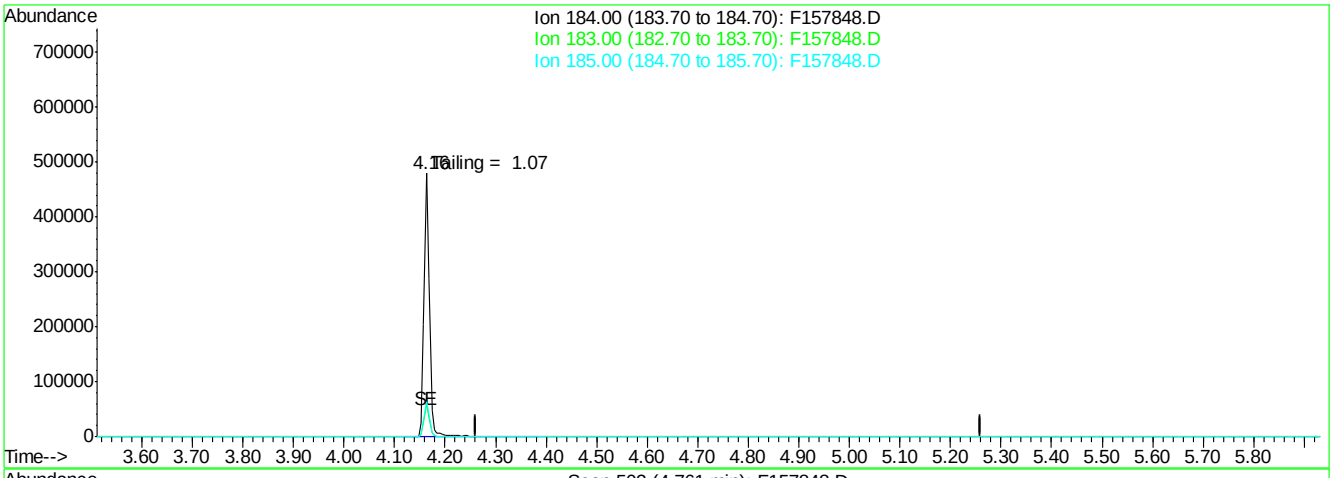
Ion	Exp%	Act%
265.80	100	0.00
263.80	63.00	0.00#
267.80	64.80	0.00#
0.00	0.00	0.00

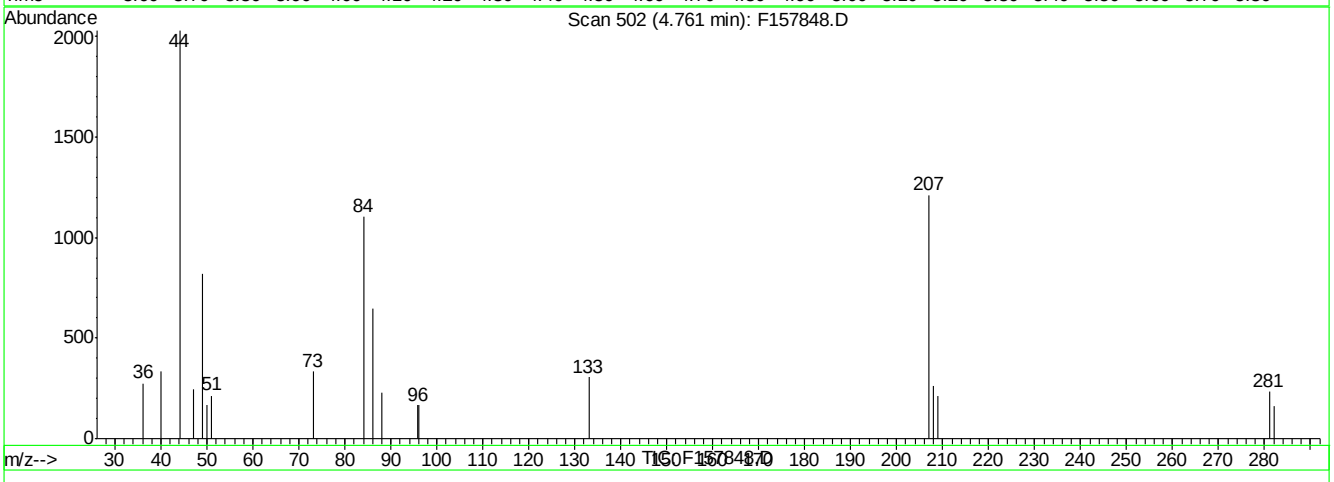
F157848.D DFTPPF.M Thu Jun 09 07:44:27 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157848.D Vial: 1
Acq On : 9 Jun 2016 7:36 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 9 7:42 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Multiple Level Calibration





(2) Benzidine (t)

4.76min 0.00ppb

response 0

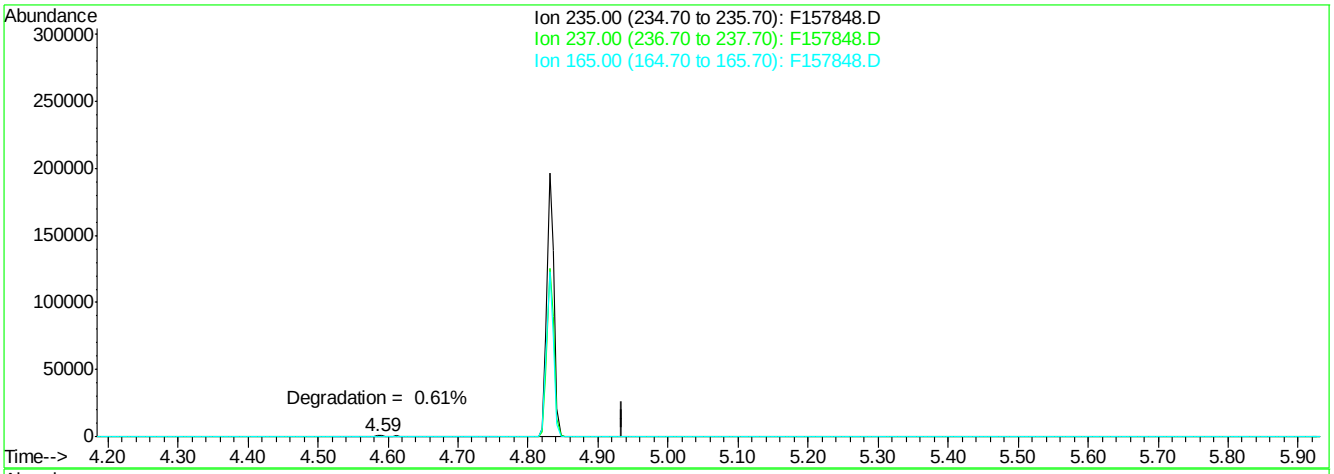
Ion	Exp%	Act%
184.00	100	0.00
183.00	12.60	0.00
185.00	16.20	0.00
0.00	0.00	0.00

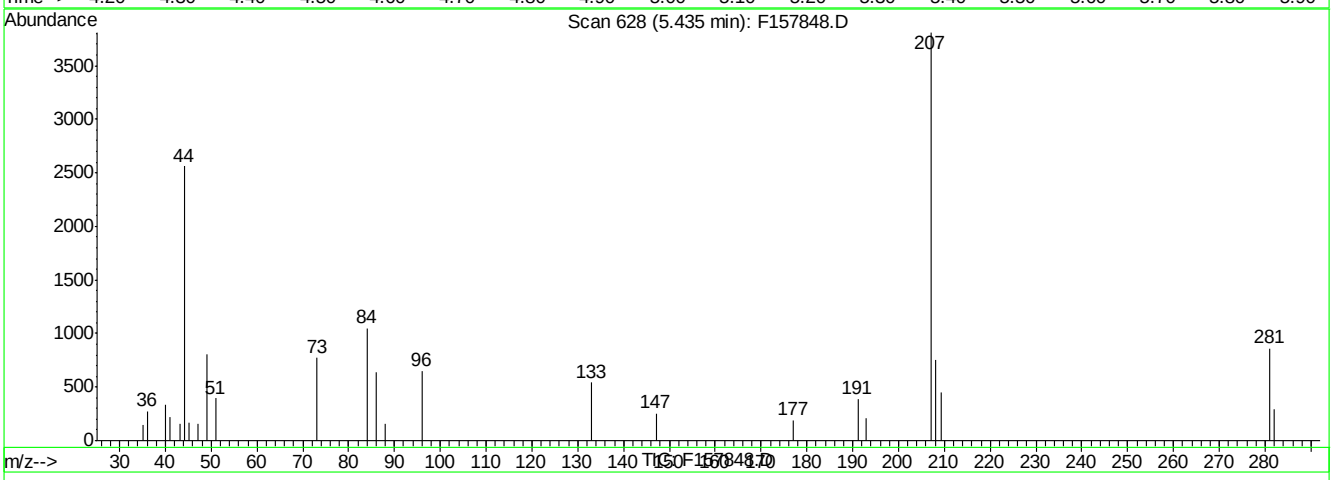
F157848.D DFTPPF.M Thu Jun 09 07:44:35 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157848.D Vial: 1
Acq On : 9 Jun 2016 7:36 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 9 7:42 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Single Level Calibration





(3) ddt (t)

5.43min 0.00ppb

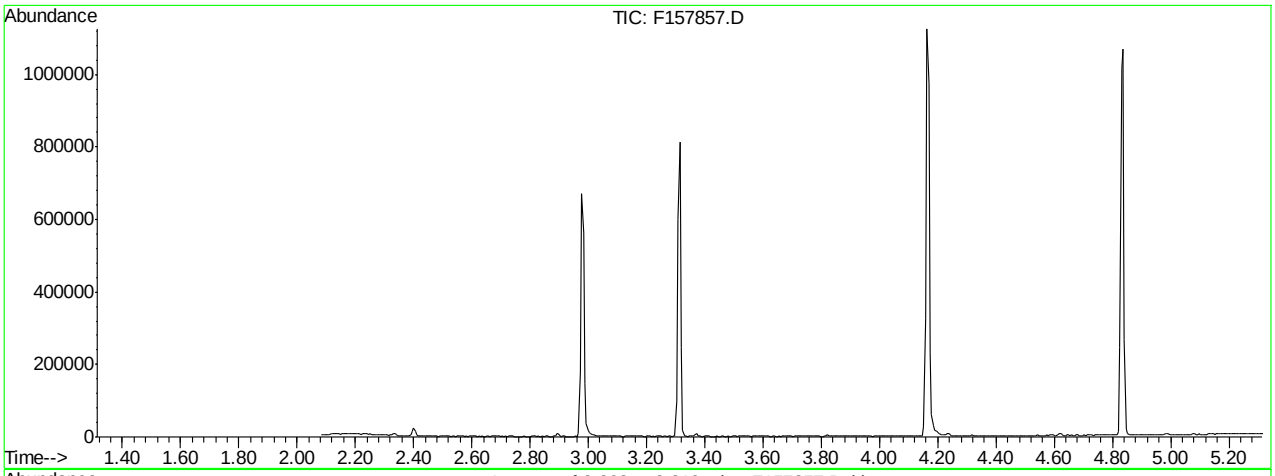
response 0

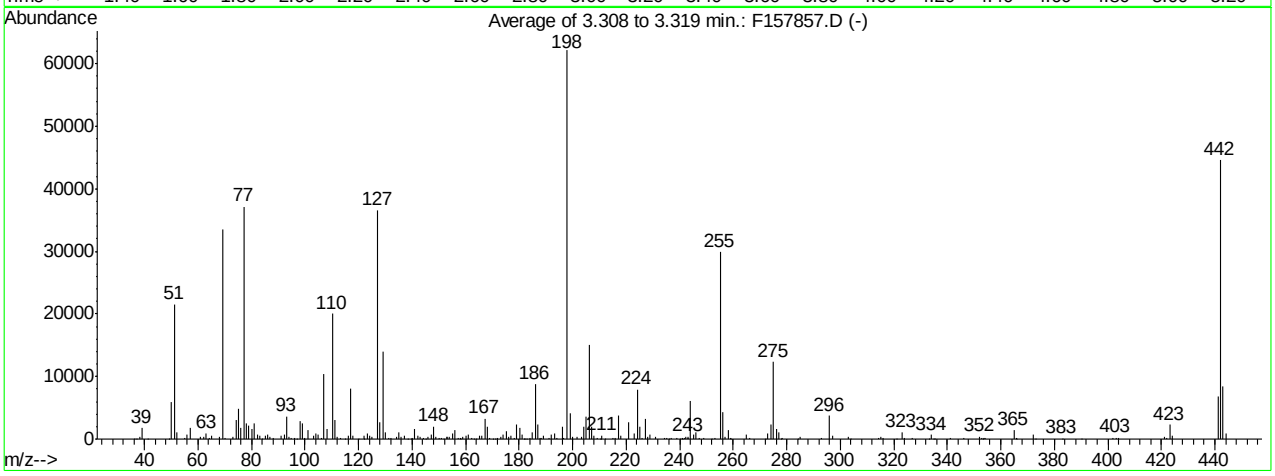
Ion	Exp%	Act%
235.00	100	0.00
237.00	66.70	0.00#
165.00	59.50	0.00#
0.00	0.00	0.00

F157848.D DFTPPF.M Thu Jun 09 07:44:46 2016 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF6644\F157857.D Vial: 1
Acq On : 9 Jun 2016 2:45 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um





AutoFind: Scans 230, 231, 232; Background Corrected with Scan 225

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.7	21547	PASS
68	69	0.00	2	1.1	360	PASS
69	198	0.00	100	53.9	33466	PASS
70	69	0.00	2	0.5	152	PASS
127	198	40	60	58.9	36600	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	62112	PASS
199	198	5	9	6.6	4099	PASS
275	198	10	30	19.8	12311	PASS
365	198	1	100	2.4	1488	PASS
441	443	0.10	100	79.7	6727	PASS
442	198	40	100	71.8	44568	PASS
443	442	17	23	18.9	8439	PASS

F157857.D DFTPPF.M Fri Jun 10 13:36:06 2016 RT1

Average of 3.308 to 3.319 min.: F157857.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	70	57.10	1736	75.10	4931	86.05	811
37.00	72	61.05	334	76.15	1736	87.00	281
38.10	317	62.10	326	77.10	37172	88.00	140
39.10	1755	63.10	990	78.10	2585	91.10	587
41.10	55	64.10	148	79.05	2104	92.10	652
49.05	27	65.15	593	80.10	1707	93.10	3667
50.10	5855	68.10	360	81.05	2429	94.00	277
51.10	21547	69.10	33466	82.05	682	95.00	156
52.10	1157	70.00	152	83.00	560	96.00	224
55.10	135	73.10	299	83.95	85	97.00	73
56.05	699	74.10	3080	85.00	518	98.05	2805

Average of 3.308 to 3.319 min.: F157857.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.05	2440	112.05	291	125.00	415	138.20	51
100.00	217	113.15	150	127.10	36600	139.80	51
101.05	1352	115.00	52	128.10	2703	140.15	140
103.05	537	116.05	557	129.10	13911	141.00	1699
104.05	924	117.10	8072	130.05	1141	142.05	464
105.05	744	118.05	563	131.05	236	143.00	390
106.10	137	120.10	86	132.05	169	144.05	111
107.10	10473	122.00	592	134.05	285	145.10	64
108.05	1621	122.20	54	135.10	1018	146.10	314
110.10	20059	123.10	846	136.05	360	147.05	762
111.05	3010	124.05	547	137.10	578	148.05	1995

Average of 3.308 to 3.319 min.: F157857.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.00	429	158.10	159	169.10	254	180.10	1749
150.00	129	159.05	300	170.10	66	181.05	778
151.05	199	160.10	535	171.00	87	181.90	59
151.60	87	161.00	791	172.00	191	182.10	68
152.90	293	162.05	242	173.05	363	182.90	66
153.10	312	163.20	59	174.10	676	184.00	156
154.05	395	163.90	77	175.15	1303	185.00	1167
155.10	941	165.05	632	176.10	430	186.10	8789
156.10	1435	166.05	488	177.00	564	187.05	2413
157.05	247	167.10	3269	178.00	108	188.00	109
157.90	86	168.05	1988	179.00	2279	188.20	134

Average of 3.308 to 3.319 min.: F157857.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
189.00	520	203.10	424	215.05	107	229.05	662
191.05	202	204.10	2042	216.05	186	231.05	318
192.00	661	205.10	3536	217.05	3702	234.15	220
193.10	861	206.10	15144	218.00	500	235.10	148
194.05	177	207.10	1986	221.10	2721	236.10	80
196.10	1973	208.10	613	223.10	882	237.00	208
196.60	112	209.00	170	224.10	7971	239.05	124
198.00	62112	210.30	94	225.10	1977	240.00	55
199.00	4099	210.50	67	226.05	236	240.90	54
200.10	332	211.05	577	227.00	3242	241.10	108
201.55	339	211.90	93	228.00	443	241.90	109

Average of 3.308 to 3.319 min.: F157857.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.10	332	256.10	4349	276.05	1696	314.15	200
243.00	134	257.10	397	277.05	1122	315.00	412
243.20	373	258.05	1477	277.90	52	316.05	149
244.10	6036	258.90	57	278.10	125	321.00	67

245.05	738	259.10	121	284.00	59	323.10	1129
246.05	1033	265.05	676	284.95	293	324.15	221
247.10	190	266.05	157	293.05	210	327.05	251
248.95	185	272.00	83	296.00	3680	333.00	74
252.10	54	273.00	976	297.00	523	334.05	717
253.10	206	274.05	2303	303.05	449	334.90	70
255.10	29893	275.05	12311	304.00	50	335.10	50

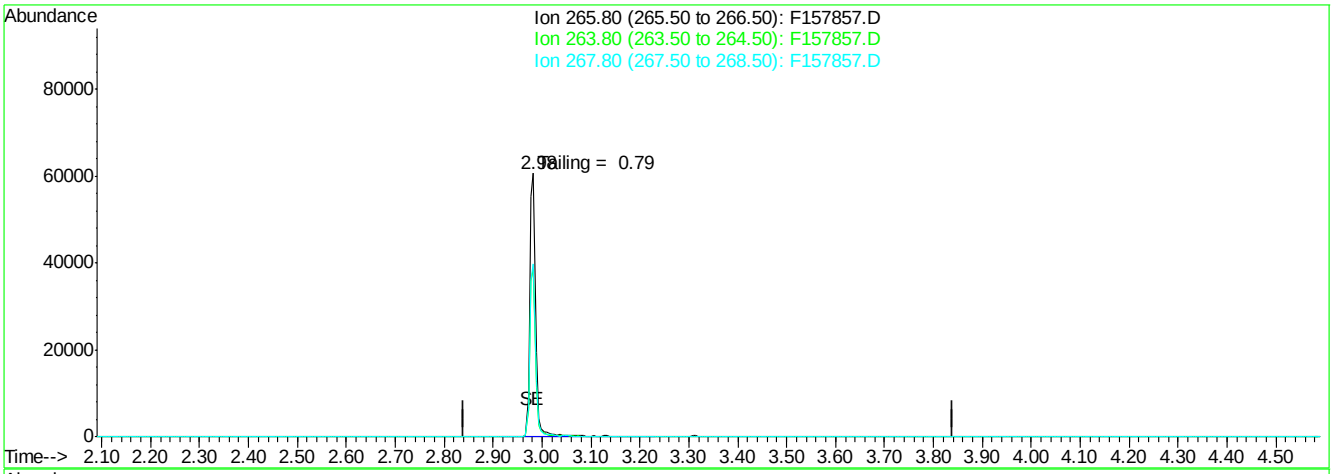
Average of 3.308 to 3.319 min.: F157857.D
dftpp
Modified:subtracted

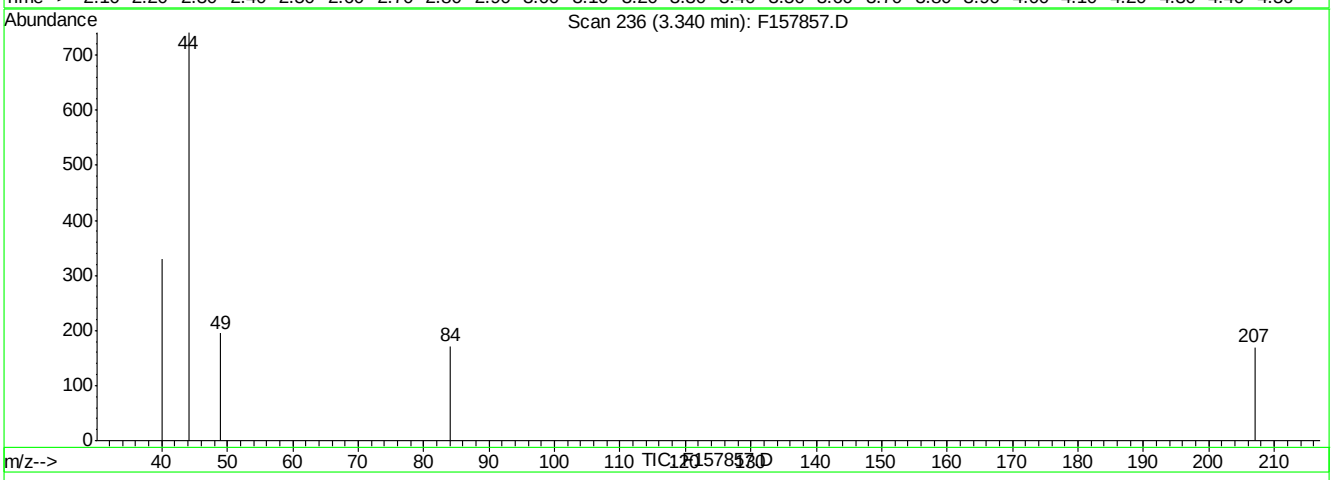
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
340.95	112	373.00	78	442.05	44568		
346.00	255	382.90	86	443.10	8439		
352.10	372	390.00	53	444.00	880		
353.00	153	402.05	227				
353.20	61	403.00	251				
353.90	160	404.10	133				
354.10	160	421.05	345				
365.00	1488	421.95	272				
365.80	51	423.10	2273				
366.05	256	424.00	463				
372.05	694	441.05	6727				

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157857.D Vial: 1
Acq On : 9 Jun 2016 2:45 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 9 14:51 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

3.34min 0.00ppb

response 0

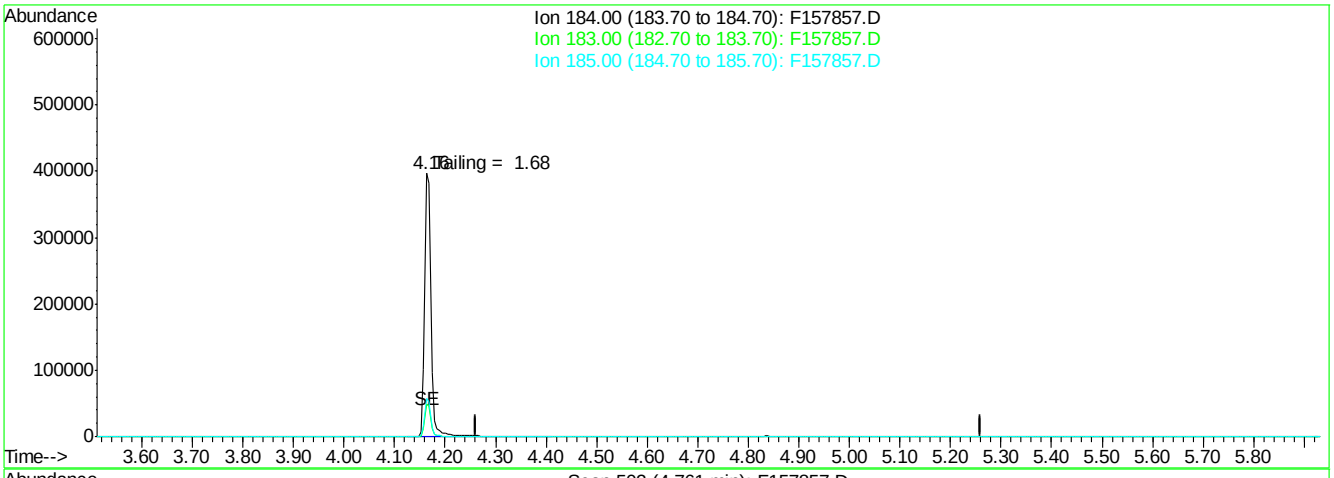
Ion	Exp%	Act%
265.80	100	0.00
263.80	63.00	0.00#
267.80	64.80	0.00#
0.00	0.00	0.00

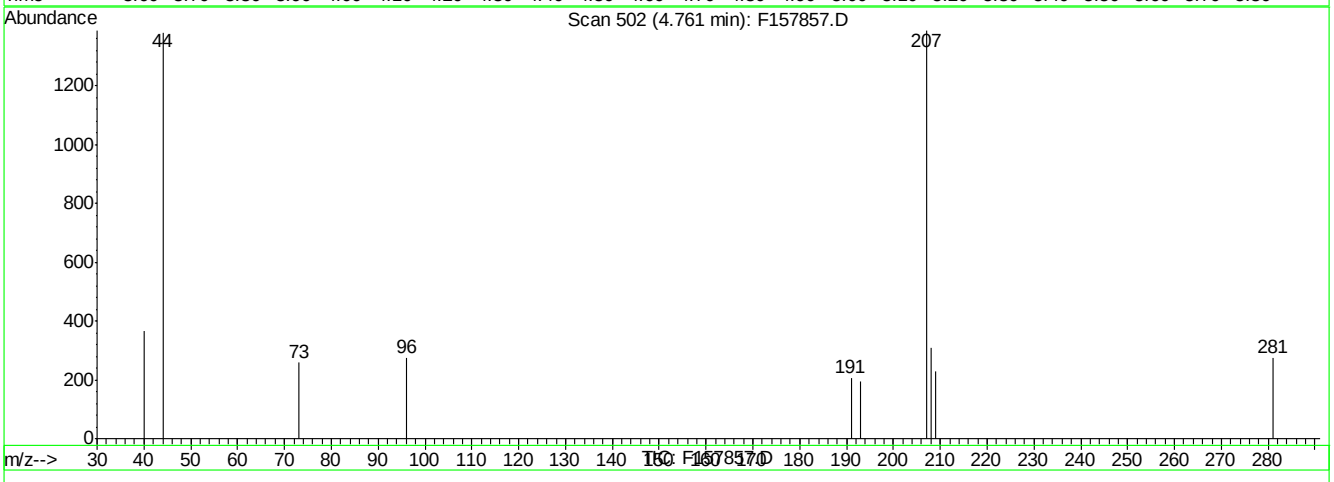
F157857.D DFTPPF.M Fri Jun 10 12:32:44 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157857.D Vial: 1
Acq On : 9 Jun 2016 2:45 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 9 14:51 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Multiple Level Calibration





(2) Benzidine (t)

4.76min 0.00ppb

response 0

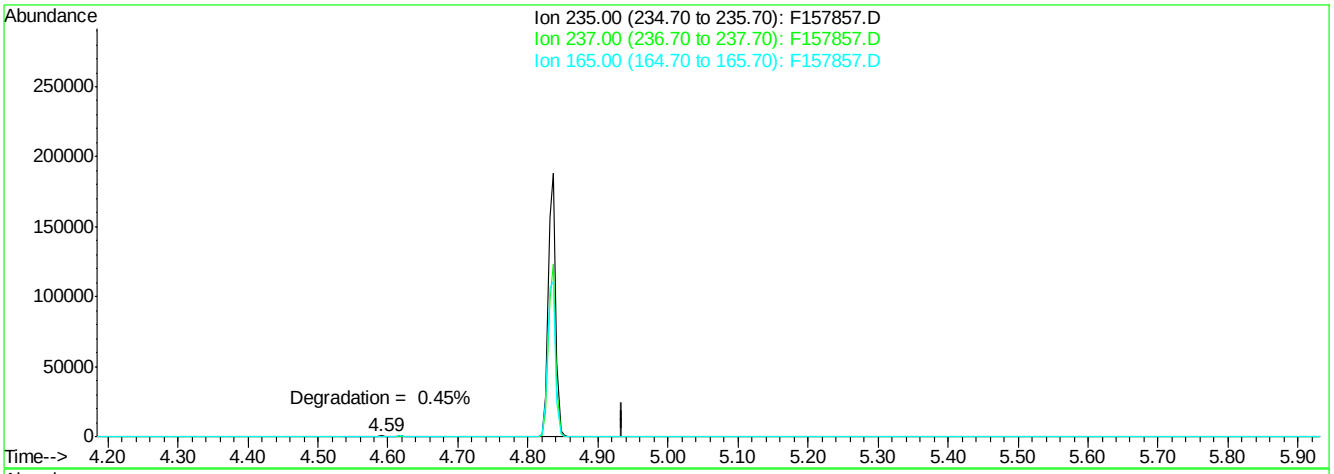
Ion	Exp%	Act%
184.00	100	0.00
183.00	12.60	0.00
185.00	16.20	0.00
0.00	0.00	0.00

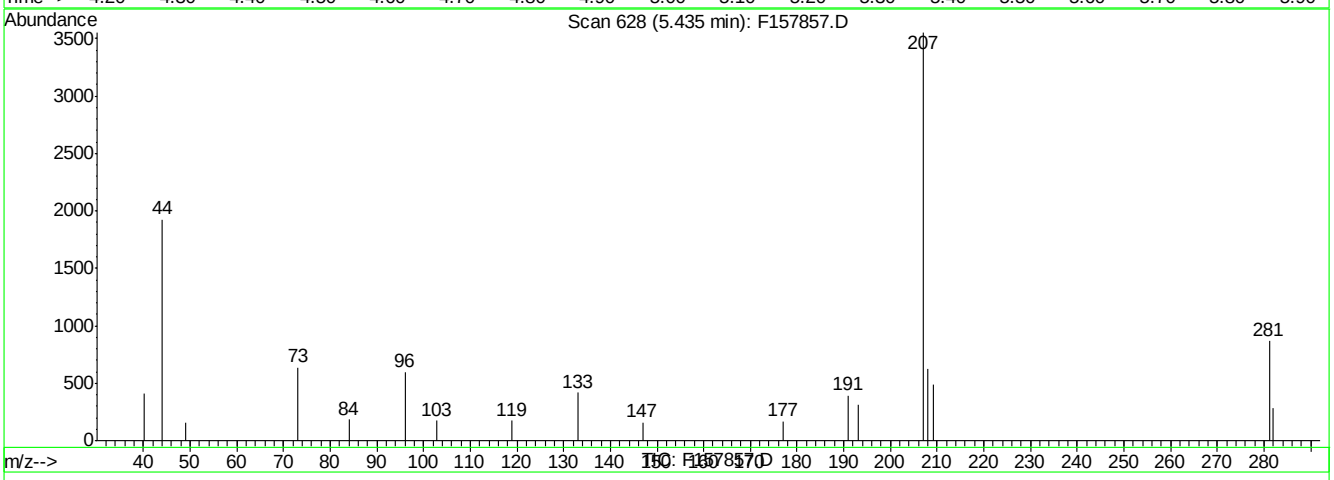
F157857.D DFTPPF.M Fri Jun 10 12:32:49 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157857.D Vial: 1
Acq On : 9 Jun 2016 2:45 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 9 14:51 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Single Level Calibration





(3) ddt (t)

5.43min 0.00ppb

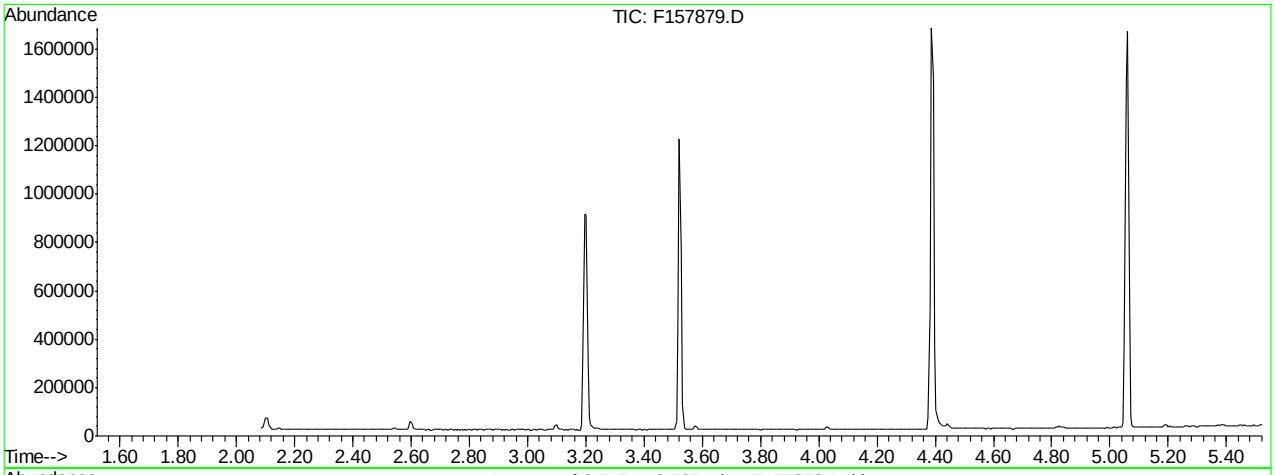
response 0

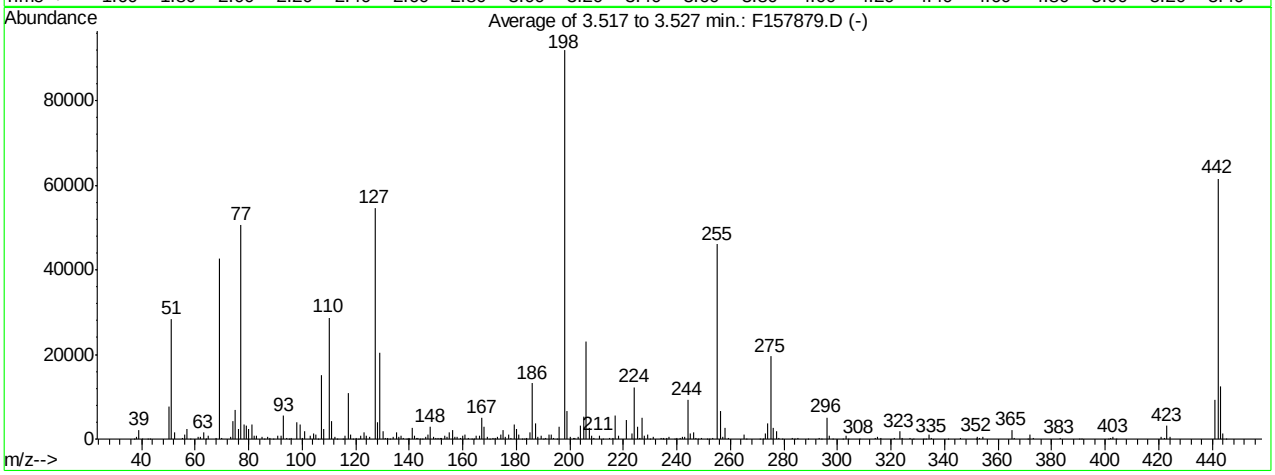
Ion	Exp%	Act%
235.00	100	0.00
237.00	66.70	0.00#
165.00	59.50	0.00#
0.00	0.00	0.00

F157857.D DFTPPF.M Fri Jun 10 12:32:55 2016 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF6646\F157879.D Vial: 1
Acq On : 10 Jun 2016 3:54 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um





AutoFind: Scans 269, 270, 271; Background Corrected with Scan 264

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.9	28359	PASS
68	69	0.00	2	0.5	230	PASS
69	198	0.00	100	46.4	42621	PASS
70	69	0.00	2	0.6	276	PASS
127	198	40	60	59.5	54685	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	91832	PASS
199	198	5	9	7.2	6577	PASS
275	198	10	30	21.3	19590	PASS
365	198	1	100	2.4	2162	PASS
441	443	0.10	100	74.2	9182	PASS
442	198	40	100	67.0	61503	PASS
443	442	17	23	20.1	12379	PASS

F157879.D DFTPPF.M Fri Jun 10 16:01:52 2016 RT1

Average of 3.517 to 3.527 min.: F157879.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.05	85	57.10	2335	74.10	4286	86.00	126
38.10	442	58.10	71	75.10	6844	87.05	611
39.10	2156	61.10	497	76.10	2379	87.95	224
40.05	66	62.05	476	77.10	50525	89.00	68
42.10	50	63.10	1470	78.10	3321	91.05	821
43.10	106	64.10	117	79.05	3073	92.10	822
50.10	7663	65.10	921	80.05	2513	93.10	5544
51.10	28359	68.00	230	81.10	3356	94.00	394
52.15	1619	69.10	42621	82.00	755	95.10	75
55.15	278	70.05	276	83.00	935	96.05	280
56.10	980	73.10	479	85.05	619	98.05	4051

Average of 3.517 to 3.527 min.: F157879.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.10	3480	112.10	530	124.00	713	136.15	637
100.00	326	113.00	137	125.05	657	137.10	914
101.10	1976	115.00	61	127.10	54685	137.85	153
103.05	774	116.05	889	128.10	3977	139.00	71
104.10	1247	117.05	10982	129.05	20316	139.90	58
105.05	1073	118.00	986	130.10	1759	140.05	210
106.10	83	119.10	106	131.05	326	141.00	2592
107.10	15185	120.05	189	132.05	192	142.05	847
108.05	2347	121.00	50	132.90	58	142.90	249
110.10	28658	122.05	913	134.05	603	143.10	311
111.10	4335	123.00	1514	135.05	1592	144.00	82

Average of 3.517 to 3.527 min.: F157879.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
145.00	65	155.05	1532	166.10	766	177.00	988
146.05	497	156.10	2152	167.10	4952	178.05	388
147.00	1191	157.15	439	168.05	2968	179.05	3536
148.00	2901	158.00	432	169.05	461	180.10	2415
149.00	564	159.00	379	170.00	79	181.00	1077
150.10	249	160.00	705	171.10	164	182.10	100
150.95	190	161.00	1140	172.05	405	183.00	61
151.40	149	162.05	284	173.05	605	183.95	384
151.90	224	163.10	50	174.05	999	185.05	1617
153.05	757	164.10	50	175.10	2001	186.10	13158
154.00	645	165.00	786	176.05	572	187.05	3782

Average of 3.517 to 3.527 min.: F157879.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
188.05	415	200.05	536	212.20	53	228.00	795
189.10	816	201.40	144	215.00	258	229.05	1025
190.00	54	201.70	323	216.00	334	230.00	84
190.95	399	203.00	574	217.00	5697	231.05	426
192.10	1104	204.10	3095	218.10	705	234.05	343
193.10	1120	205.10	5285	221.10	4640	234.90	50
193.95	285	206.10	22947	223.05	1264	235.10	347
195.00	103	207.10	2695	224.10	12213	236.05	204
196.10	3027	208.10	860	225.10	2832	237.05	458
198.00	91832	209.00	326	226.20	391	239.00	131
199.00	6577	211.05	916	227.10	4930	240.05	170

Average of 3.517 to 3.527 min.: F157879.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
241.00	266	253.20	211	274.05	3613	293.95	115
242.05	635	255.10	46021	275.10	19590	296.05	5062
243.05	578	256.10	6522	276.10	2571	296.95	804
244.10	9269	257.00	593	277.05	1760	298.00	54

245.10	1301	258.05	2577	278.00	273	302.00	137
246.05	1698	259.00	397	279.10	53	303.05	707
246.95	275	265.05	972	283.05	237	304.00	114
248.00	69	265.95	131	284.00	137	308.10	64
248.95	298	271.10	58	285.15	276	314.05	313
251.20	76	272.10	129	289.10	56	315.00	572
251.90	65	273.05	1438	292.95	383	316.10	364

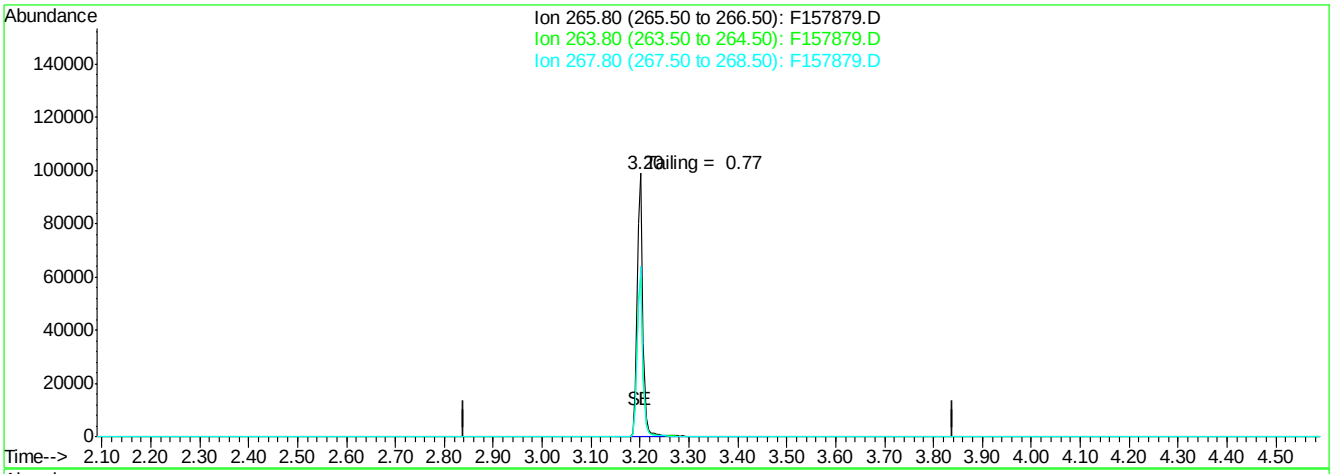
Average of 3.517 to 3.527 min.: F157879.D
dftpp
Modified:subtracted

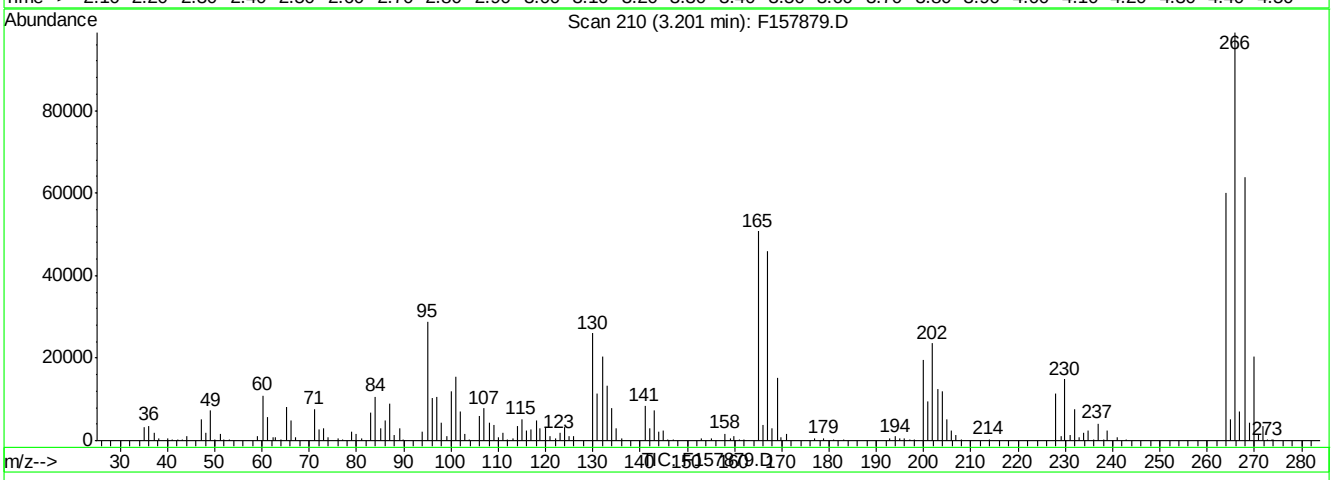
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
321.00	214	351.80	58	391.20	51	443.10	12379
323.10	1775	352.05	544	401.00	50	444.00	1295
324.10	292	353.05	345	401.90	320	445.00	57
326.95	259	354.10	606	403.00	448		
328.10	114	364.95	2162	404.00	78		
332.10	108	366.05	305	421.05	451		
333.00	62	370.85	135	422.05	338		
334.10	981	372.00	950	423.05	3097		
335.10	296	373.00	180	424.00	632		
341.20	80	382.95	227	441.10	9182		
346.00	319	390.10	59	442.10	61503		

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6646\F157879.D Vial: 1
Acq On : 10 Jun 2016 3:54 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 10 16:00 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

3.20min 43.27ppb

response 80430

Ion	Exp%	Act%
265.80	100	100
263.80	63.00	60.58
267.80	64.80	64.60
0.00	0.00	0.00

F157879.D DFTPPF.M Fri Jun 10 16:01:33 2016 RT1

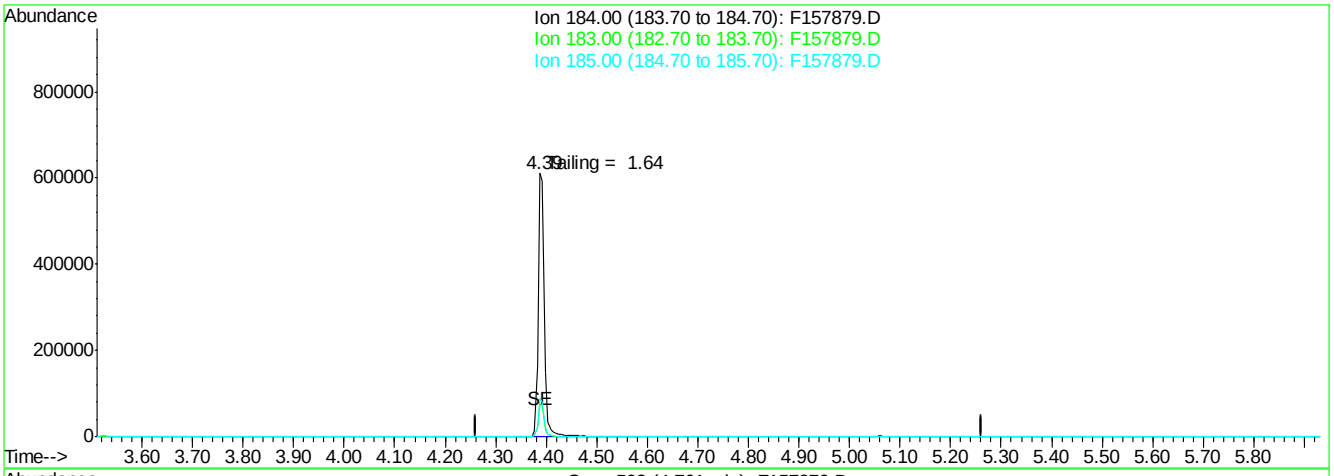
7.4.10.1

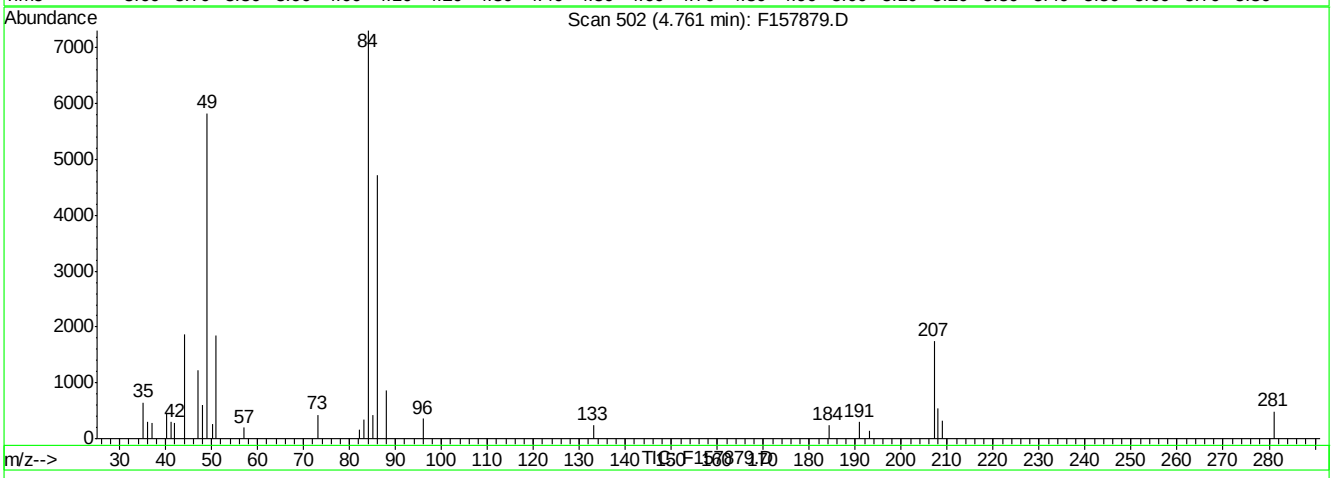
7

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6646\F157879.D Vial: 1
Acq On : 10 Jun 2016 3:54 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 10 16:00 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Multiple Level Calibration





(2) Benzidine (t)

4.76min 0.00ppb

response 0

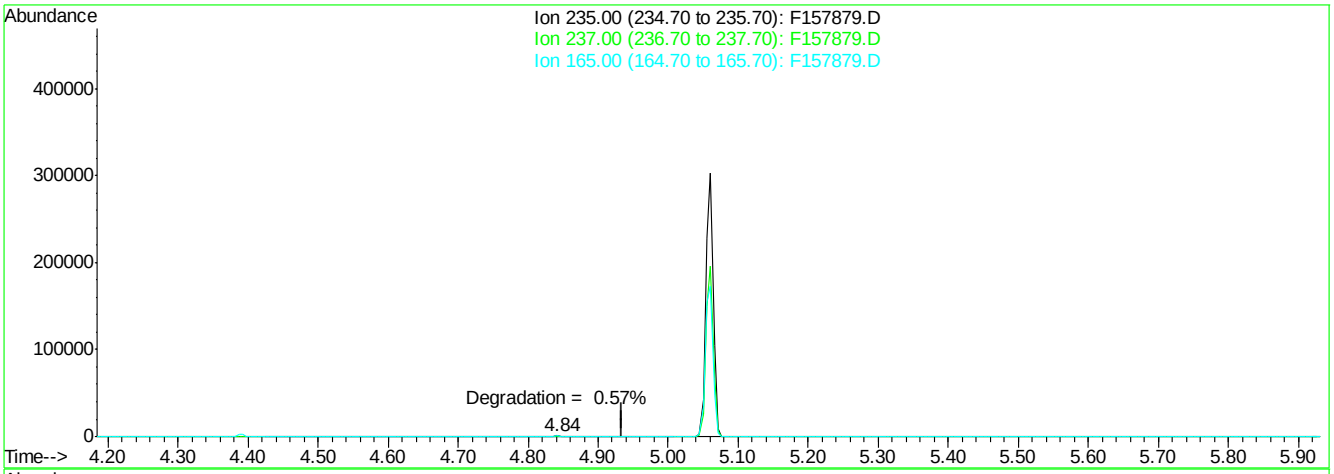
Ion	Exp%	Act%
184.00	100	0.00
183.00	12.60	0.00
185.00	16.20	0.00
0.00	0.00	0.00

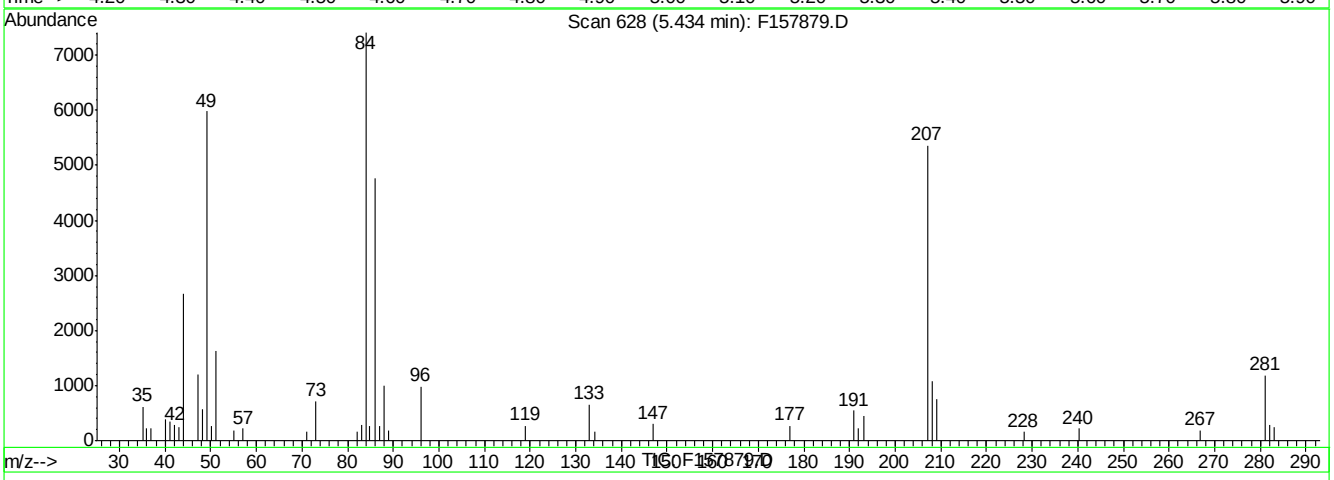
F157879.D DFTPPF.M Fri Jun 10 16:01:38 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6646\F157879.D Vial: 1
Acq On : 10 Jun 2016 3:54 pm Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 10 16:00 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri Apr 08 15:27:53 2016
Response via : Single Level Calibration





(3) ddt (t)

5.43min 0.00ppb

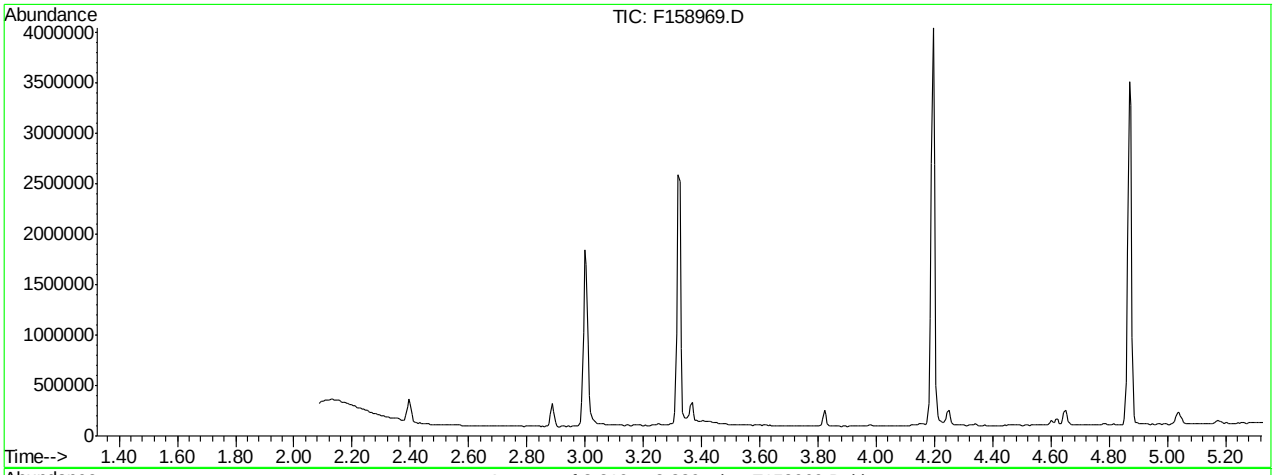
response 0

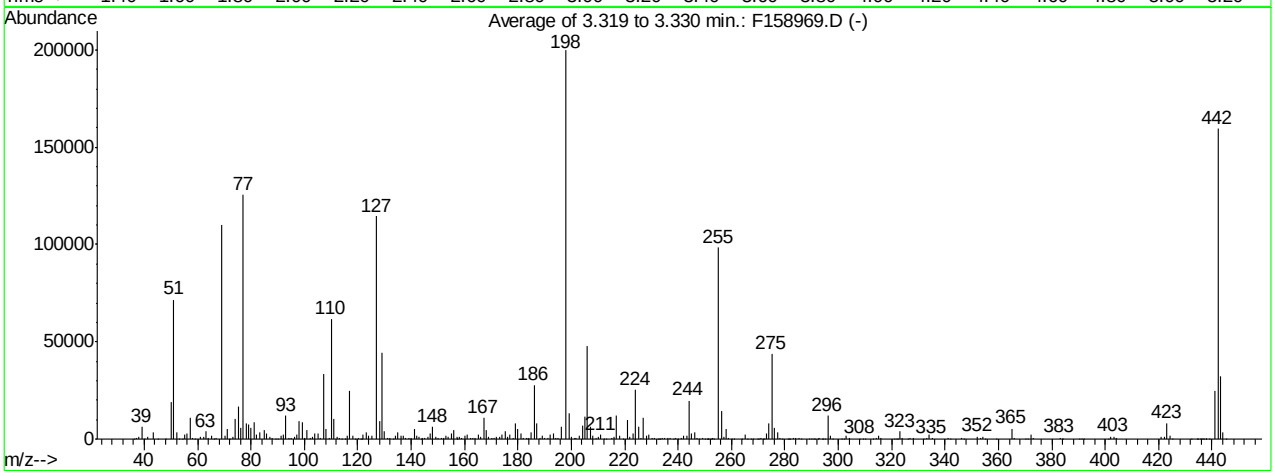
Ion	Exp%	Act%
235.00	100	0.00
237.00	66.70	0.00#
165.00	59.50	0.00#
0.00	0.00	0.00

F157879.D DFTPPF.M Fri Jun 10 16:01:45 2016 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF6690\F158969.D Vial: 1
Acq On : 15 Jul 2016 7:39 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um





AutoFind: Scans 232, 233, 234; Background Corrected with Scan 226

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.8	71454	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	55.2	110294	PASS
70	69	0.00	2	1.6	1755	PASS
127	198	40	60	57.4	114573	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	199680	PASS
199	198	5	9	6.7	13312	PASS
275	198	10	30	21.8	43560	PASS
365	198	1	100	2.6	5218	PASS
441	443	0.10	100	76.5	24560	PASS
442	198	40	100	79.8	159442	PASS
443	442	17	23	20.1	32114	PASS

F158969.D DFTPPF.M Fri Jul 15 07:49:52 2016 RT1

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	136	52.10	3605	64.10	621	76.10	5846
37.05	419	53.10	57	65.05	1698	77.10	125403
38.10	1219	54.10	51	66.10	301	78.05	7968
39.10	6139	55.10	2225	67.10	623	79.10	7555
40.05	122	56.10	2982	69.10	110294	80.10	5927
41.10	1025	57.10	11196	70.15	1755	81.10	8884
43.20	3385	58.10	550	71.10	4946	82.10	2534
45.05	84	59.05	228	72.05	288	83.10	3571
48.10	18	61.10	1077	73.10	967	85.10	4827
50.05	19144	62.10	1329	74.10	10636	86.00	2768
51.10	71454	63.10	3793	75.10	16739	87.05	1165

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	359	99.10	8404	110.10	61894	121.05	25
89.00	235	100.10	767	111.10	10128	121.30	86
90.15	108	101.05	4598	112.10	1405	122.00	2208
91.05	1959	102.10	333	113.10	756	123.10	3279
92.05	2174	103.10	1440	114.10	233	124.00	1613
93.05	12003	104.00	2926	115.05	219	125.10	1928
94.10	762	105.05	2621	116.05	1935	127.10	114573
95.10	330	106.10	465	117.05	25063	128.10	9477
96.10	962	107.10	33177	118.00	1876	129.05	44447
97.10	2075	108.10	5125	119.10	267	130.05	3931
98.10	9525	109.15	365	120.05	373	131.00	538

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.05	498	143.00	1130	153.10	1925	163.10	319
133.05	194	143.90	54	154.00	1422	164.00	374
134.05	1467	144.15	376	155.05	3039	165.05	2062
135.10	3465	145.10	531	156.10	4478	166.10	1393
136.05	1472	146.10	1026	157.10	1006	167.10	10912
137.05	1762	147.05	2982	157.30	125	168.05	4752
138.00	466	148.00	6162	158.00	918	169.10	1163
139.05	435	149.10	1135	159.00	666	170.05	456
140.10	857	150.10	355	160.05	1611	171.05	598
141.10	5464	151.15	700	161.10	2475	172.00	963
142.10	1958	152.05	577	162.05	833	173.10	1253

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.10	2303	184.05	825	195.10	499	207.10	6255
175.10	4081	185.10	3461	196.10	6186	208.05	1742
176.10	1450	186.10	27814	198.00	199680	209.05	592
177.00	2090	187.10	8155	199.00	13312	210.25	1117
178.00	732	188.05	798	200.10	1029	211.10	2214
179.05	8054	189.05	1893	201.40	497	212.20	91
180.05	5132	190.00	333	201.60	449	213.05	170
181.10	2673	191.10	792	203.10	1521	215.05	578
182.05	487	192.10	2162	204.10	6975	216.00	1253
183.10	413	193.10	2887	205.10	11683	217.00	12315
183.80	84	194.05	446	206.10	47565	218.10	1719

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
219.15	198	231.10	878	241.05	567	251.20	122
221.10	10002	232.15	168	242.10	1481	251.40	51
221.95	1031	232.90	50	243.10	1548	252.10	308
223.05	3140	233.15	163	244.10	19702	252.70	97

224.10	25299	234.00	782	245.10	2624	253.05	784
225.10	6513	235.00	703	246.05	3712	253.30	158
226.10	855	236.10	652	247.05	715	255.10	98272
227.05	11100	237.10	830	248.05	179	256.10	14388
228.10	1764	238.10	76	249.10	822	257.05	1046
229.05	2144	239.10	492	250.15	184	258.10	5379
230.10	318	240.10	309	250.80	115	259.00	777

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
259.90	56	272.10	255	283.10	434	294.20	125
261.10	138	273.05	3121	284.10	317	294.80	182
264.00	284	274.10	7905	285.10	733	296.05	11982
265.00	2305	275.10	43560	286.20	51	297.00	1593
265.95	308	276.10	5697	289.20	56	297.95	145
267.10	160	277.10	3610	289.95	139	301.05	224
268.00	67	278.00	626	290.80	53	302.00	248
269.90	133	279.10	51	291.10	53	303.10	1494
270.10	59	281.00	268	292.25	160	304.10	452
271.05	325	281.60	78	293.00	779	308.10	258
271.90	81	282.10	136	294.00	94	309.00	74

Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
310.10	136	327.00	815	353.10	840	383.90	145
313.05	122	328.10	418	354.05	1340	384.10	112
314.05	797	332.00	275	355.05	263	390.05	287
315.05	1482	333.10	452	359.10	52	391.00	149
316.00	759	334.10	2580	365.00	5218	392.10	229
321.05	301	335.15	566	366.00	789	401.05	125
322.00	61	341.00	464	369.90	51	402.10	968
322.20	111	342.00	64	371.05	303	403.10	1272
323.10	3988	346.00	846	372.05	2364	404.00	475
324.00	760	346.90	100	373.05	552	421.00	1033
326.10	70	352.05	1280	383.05	624	422.05	1121

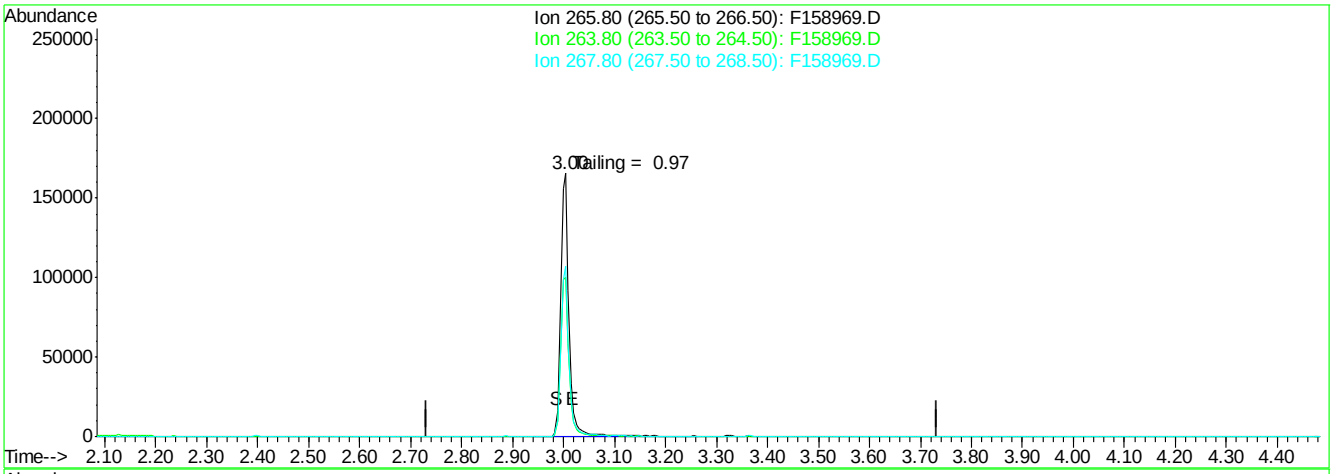
Average of 3.319 to 3.330 min.: F158969.D
dftpp
Modified:subtracted

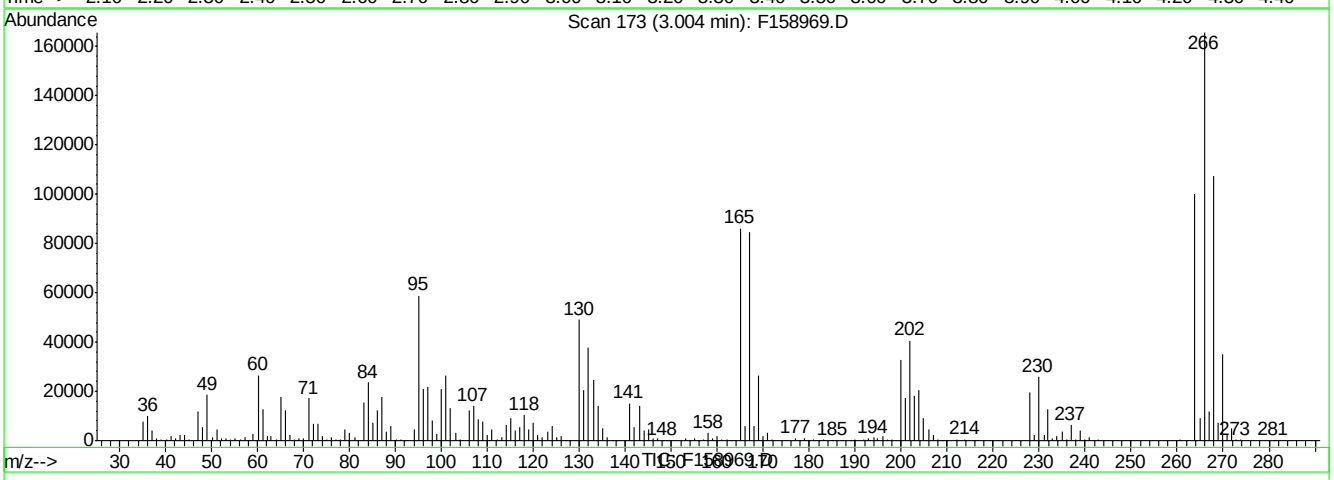
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.10	8139	437.80	50				
424.10	1930	439.00	115				
425.05	228	441.10	24560				
432.40	141	442.10	159442				
434.20	107	443.10	32114				
434.70	56	444.10	3261				
435.50	87	445.10	245				
436.00	50						
436.60	51						
436.80	86						
437.50	62						

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158969.D Vial: 1
Acq On : 15 Jul 2016 7:39 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 15 7:45 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jun 29 08:04:39 2016
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

3.00min 100.34ppb

response 186522

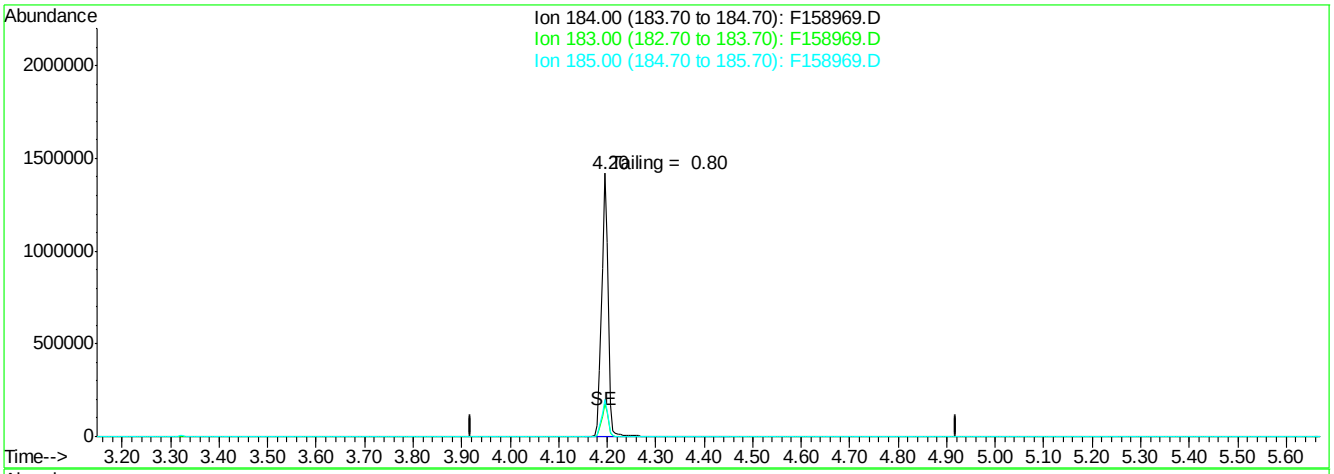
Ion	Exp%	Act%
265.80	100	100
263.80	62.50	60.33
267.80	63.50	64.77
0.00	0.00	0.00

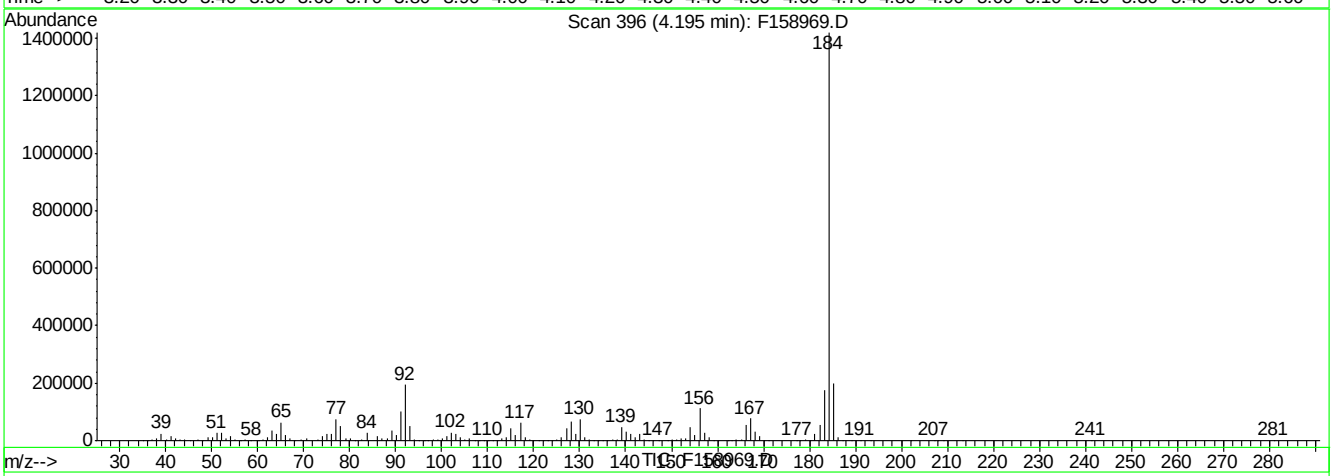
F158969.D DFTPPF.M Fri Jul 15 07:49:27 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158969.D Vial: 1
Acq On : 15 Jul 2016 7:39 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 15 7:45 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jun 29 08:04:39 2016
Response via : Multiple Level Calibration





(2) Benzidine (t)

4.20min 70.34ppb

response 1317649

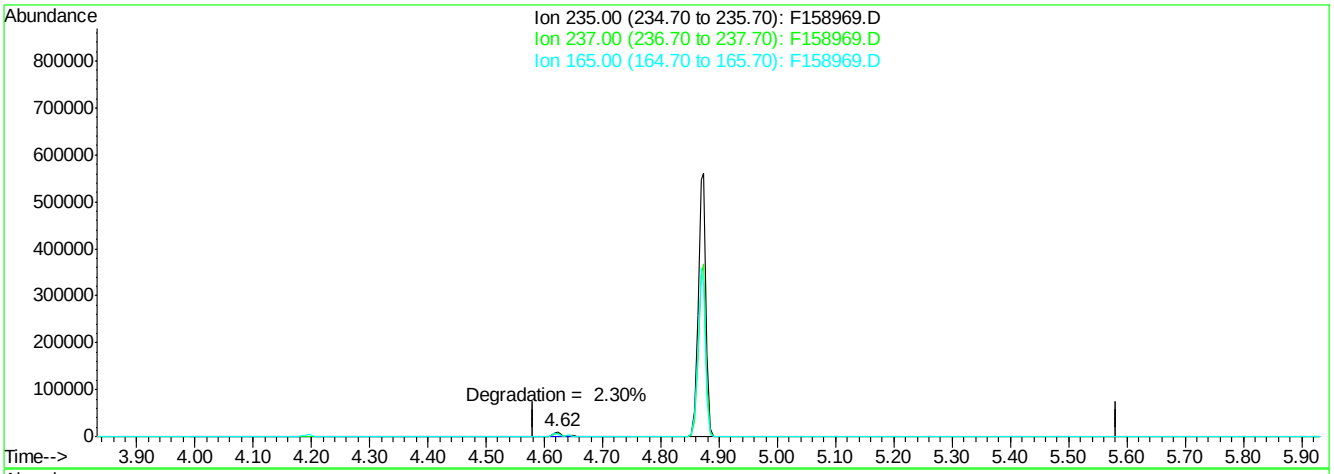
Ion	Exp%	Act%
184.00	100	100
183.00	12.50	12.16
185.00	13.70	14.05
0.00	0.00	0.00

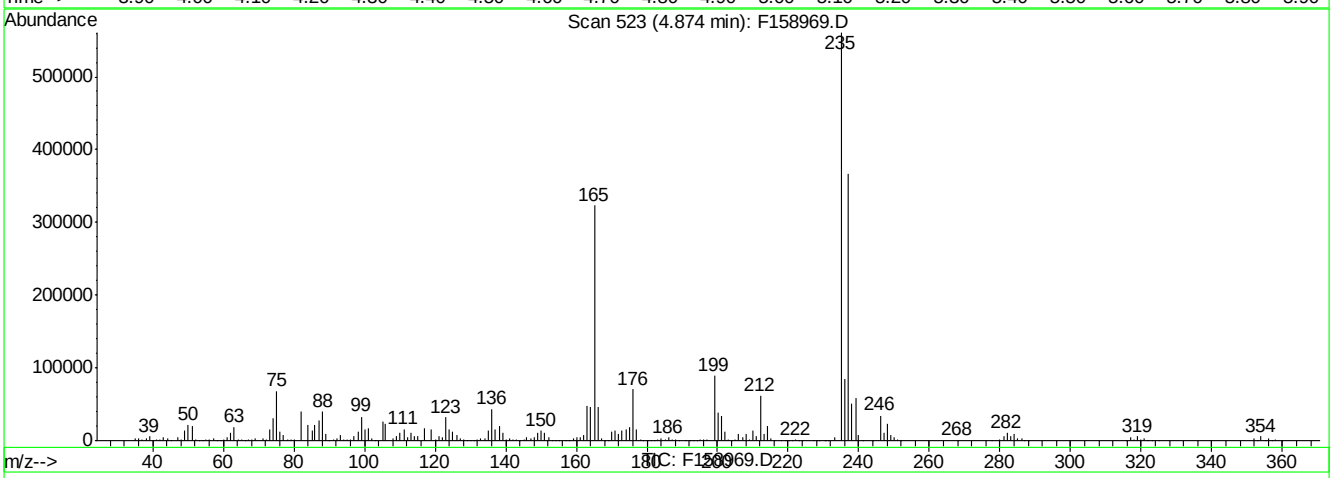
F158969.D DFTPPF.M Fri Jul 15 07:49:32 2016 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158969.D Vial: 1
Acq On : 15 Jul 2016 7:39 am Operator: brittanp
Sample : dftpp Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 15 7:45 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jun 29 08:04:39 2016
Response via : Single Level Calibration





(3) ddt (t)

4.87min 33.37ppb

response 518187

Ion	Exp%	Act%
235.00	100	100
237.00	63.40	63.66
165.00	57.10	61.72
0.00	0.00	0.00

F158969.D DFTPPF.M Fri Jul 15 07:49:40 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60424.D
Acq On : 23 Jun 2016 12:12 pm
Operator : robertl1
Sample : ICC2635-50
Misc : op94957,e2p2635
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 15:44:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 12:36:25 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.579	152	441737	40.00	ppm	0.00
24) Naphthalene-d8	5.638	136	1565499	40.00	ppm	0.00
47) Acenaphthene-d10	7.083	164	933134	40.00	ppm	0.00
69) Phenanthrene-d10	8.377	188	1664814	40.00	ppm	0.00
83) Chrysene-d12	11.672	240	1699925	40.00	ppm	0.00
91) Perylene-d12	13.677	264	1372347	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.579	152	441737	40.00	ppm	0.00
103) Naphthalene-d8a	5.638	136	1565499	40.00	ppm	0.00
105) Acenaphthene-d10a	7.083	164	933134	40.00	ppm	0.00
108) Chrysene-d12a	11.672	240	1699925	40.00	ppm	0.00
110) Phenanthrene-d10a	8.377	188	1664814	40.00	ppm	0.00
113) Chrysene-d12b	11.672	240	1699925	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.499	112	809386	50.00	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 100.00%#			
8) Phenol-d5	4.344	99	973303	50.00	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 100.00%#			
25) Nitrobenzene-d5	5.050	82	829040	50.00	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 100.00%#			
51) 2-Fluorobiphenyl	6.532	172	1422923	50.00	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 100.00%#			
73) 2,4,6-Tribromophenol	7.746	330	220657	50.00	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 100.00%#			
85) Terphenyl-d14	10.222	244	1809254	50.00	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 100.00%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.825	88	254380	50.00	ppm	79
3) Pyridine	2.162	79	733516	50.00	ppm	88
4) N-Nitrosodimethylamine	2.140	74	417765	50.00	ppm #	2
6) Indene	4.788	116	1203784	50.00	ppm	96
7) Cumene	3.889	105	2167336	50.00	ppm	96
9) Phenol	4.355	94	993495	50.00	ppm	77
10) Aniline	4.312	93	1065688	50.00	ppm	94
11) bis(2-Chloroethyl)ether	4.371	93	671772	50.00	ppm	97
12) 2-Chlorophenol	4.419	128	753551	50.00	ppm	97
13) Decane	4.440	57	809743	50.00	ppm	88
14) 1,3-Dichlorobenzene	4.526	146	852161	50.00	ppm	98
15) 1,4-Dichlorobenzene	4.590	146	834938	50.00	ppm	99
16) Benzyl alcohol	4.719	108	433966	50.00	ppm	81
17) 1,2-Dichlorobenzene	4.719	146	789081	50.00	ppm	98
18) Acetophenone	4.922	105	1021531	50.00	ppm	95
19) 2-Methylphenol	4.842	108	591700	50.00	ppm	96
20) 2,2'-oxybis(1-Chloropr...	4.815	121	203999	50.00	ppm #	66
21) 3&4-Methylphenol	4.970	108	646613	50.00	ppm	90
22) n-Nitroso-di-n-propyla...	4.932	70	513855	50.00	ppm	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60424.D
Acq On : 23 Jun 2016 12:12 pm
Operator : robertl1
Sample : ICC2635-50
Misc : op94957,e2p2635
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 15:44:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 12:36:25 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.991	201	296295	50.00	ppm	#	76
26) Nitrobenzene	5.066	77	797835	50.00	ppm		92
27) Quinoline	5.943	129	1446786	50.00	ppm		99
28) Isophorone	5.264	82	1409858	50.00	ppm		82
29) 2-Nitrophenol	5.328	139	415371	50.00	ppm	#	51
30) 2,4-Dimethylphenol	5.398	107	721291	50.00	ppm		91
31) Benzoic acid	5.537	105	403255	50.00	ppm		89
32) bis(2-Chloroethoxy)met...	5.451	93	754037	50.00	ppm		96
33) 2,4-Dichlorophenol	5.553	162	619407	50.00	ppm		97
34) 2,6-Dichlorophenol	5.724	162	583356	50.00	ppm		98
35) 1,3,5-Trichlorobenzene	5.334	180	747946	50.00	ppm		96
36) 1,2,4-Trichlorobenzene	5.590	180	675361	50.00	ppm		97
37) 1,2,3-Trichlorobenzene	5.778	180	623470	50.00	ppm		91
38) Naphthalene	5.655	128	1959195	50.00	ppm		97
39) 4-Chloroaniline	5.719	127	814927	50.00	ppm		95
40) 2,3-Dichloroaniline	6.468	161	775094	50.00	ppm		89
41) Caprolactam	6.029	113	224954	50.00	ppm		86
42) Hexachlorobutadiene	5.751	225	392526	50.00	ppm		97
43) 4-Chloro-3-methylphenol	6.157	107	705522	50.00	ppm		98
44) 2-Methylnaphthalene	6.227	141	1247541	50.00	ppm		94
45) 1-Methylnaphthalene	6.307	141	1281006	50.00	ppm		92
46) Dimethylnaphthalene	6.740	156	1191669	50.00	ppm		88
48) Hexachlorocyclopentadiene	6.345	237	492214	100.00	ppm		96
49) 2,4,6-Trichlorophenol	6.478	196	415141	50.00	ppm		97
50) 2,4,5-Trichlorophenol	6.526	196	435048	50.00	ppm		97
52) 2-Chloronaphthalene	6.628	162	1198976	50.00	ppm		95
53) Biphenyl	6.612	154	1690605	50.00	ppm		93
54) 2-Nitroaniline	6.730	65	524733	50.00	ppm		92
55) Dimethylphthalate	6.869	163	1489519	50.00	ppm		99
56) Acenaphthylene	6.970	152	2118418	50.00	ppm		99
57) 2,6-Dinitrotoluene	6.933	165	357050	50.00	ppm		89
58) 3-Nitroaniline	7.072	138	402303	50.00	ppm		82
59) Acenaphthene	7.109	153	1328832	50.00	ppm		97
60) 2,4-Dinitrophenol	7.174	184	252292	100.00	ppm	#	100
61) 4-Nitrophenol	7.270	109	151876	50.00	ppm	#	79
62) Dibenzofuran	7.254	168	1902411	50.00	ppm		93
63) 2,4-Dinitrotoluene	7.270	165	461814	50.00	ppm		74
64) 2,3,4,6-Tetrachlorophenol	7.371	232	287353	50.00	ppm		96
65) Diethylphthalate	7.452	149	1571077	50.00	ppm		94
66) Fluorene	7.537	166	1513615	50.00	ppm		94
67) 4-Chlorophenyl-phenyle...	7.532	204	725409	50.00	ppm		93
68) 4-Nitroaniline	7.585	138	356178	50.00	ppm		84
70) 4,6-Dinitro-2-methylph...	7.612	198	225780	50.00	ppm		92
71) n-Nitrosodiphenylamine	7.644	169	976479	50.00	ppm		90
72) 1,2-Diphenylhydrazine	7.671	77	1562512	50.00	ppm		92
74) 4-Bromophenyl-phenylether	7.954	248	486898	50.00	ppm		96
75) Hexachlorobenzene	8.008	284	538274	50.00	ppm		90
76) Pentachlorophenol	8.217	266	256063	100.00	ppm		97
77) Phenanthrene	8.398	178	2135275	50.00	ppm		98
78) Anthracene	8.452	178	2107259	50.00	ppm		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60424.D
Acq On : 23 Jun 2016 12:12 pm
Operator : robertl1
Sample : ICC2635-50
Misc : op94957,e2p2635
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 15:44:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 12:36:25 2016
Response via : Initial Calibration

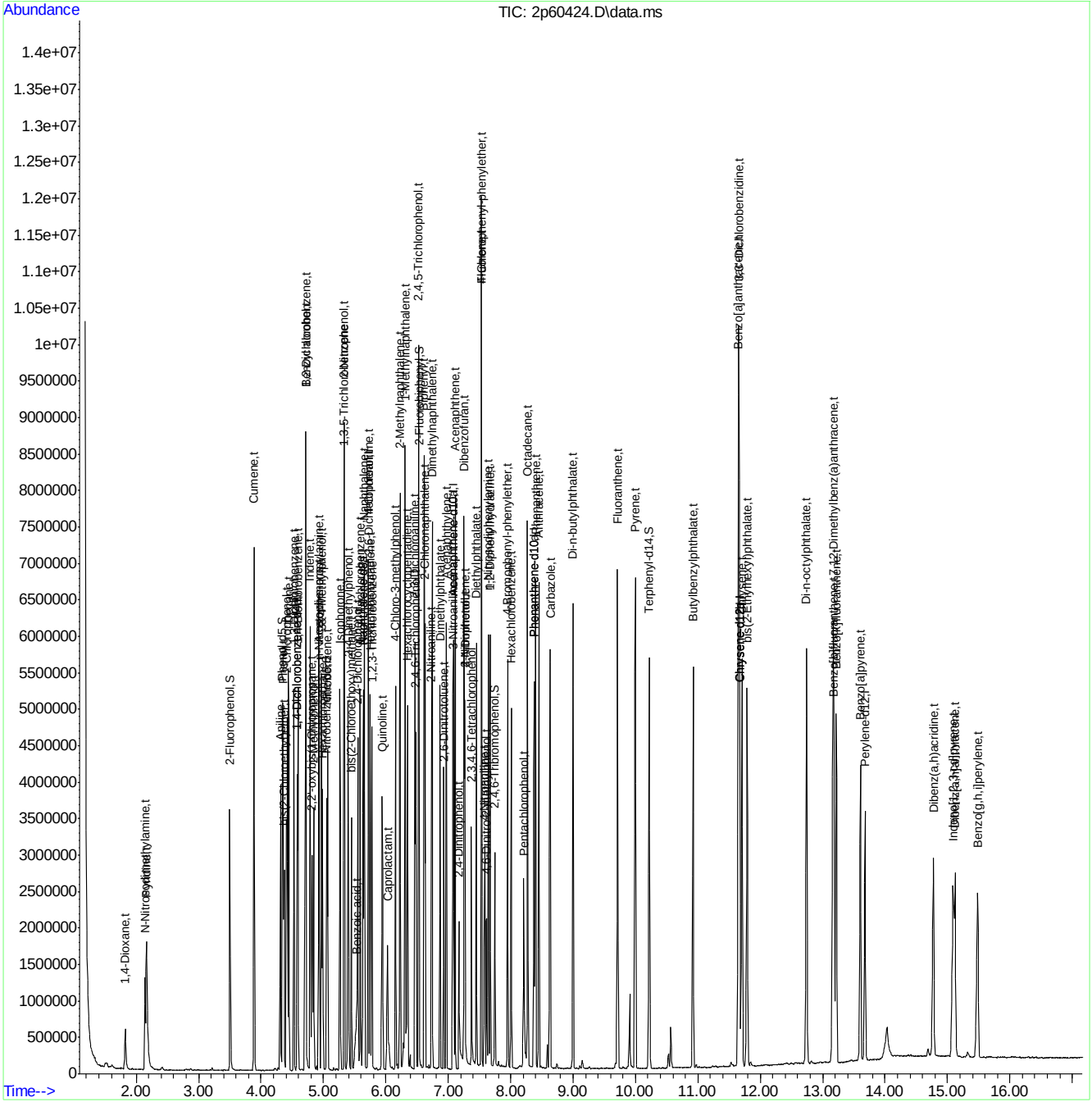
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79)	Carbazole	8.634	167	2165233	50.00	ppm		96
80)	Di-n-butylphthalate	8.997	149	2937534	50.00	ppm		99
81)	Fluoranthene	9.714	202	2876468	50.00	ppm		91
82)	Octadecane	8.270	43	1082011	50.00	ppm	#	73
84)	Pyrene	9.998	202	2857731	50.00	ppm		98
86)	Butylbenzylphthalate	10.923	149	1383060	50.00	ppm		96
87)	Benzo[a]anthracene	11.650	228	2618517	50.00	ppm		99
88)	3,3'-Dichlorobenzidine	11.656	252	1052846	50.00	ppm		95
89)	Chrysene	11.709	228	2173393	50.00	ppm		98
90)	bis(2-Ethylhexyl)phtha...	11.789	149	1589009	50.00	ppm		97
92)	Di-n-octylphthalate	12.741	149	3085118	50.00	ppm		99
93)	Benzo[b]fluoranthene	13.180	252	2296035	50.00	ppm		89
94)	Benzo[k]fluoranthene	13.217	252	2028475	50.00	ppm		89
95)	Benzo[a]pyrene	13.608	252	1973052	50.00	ppm		88
96)	Indeno[1,2,3-cd]pyrene	15.090	276	1810533	50.00	ppm		80
97)	Dibenz(a,h)acridine	14.774	279	1427835	50.00	ppm		93
98)	Dibenz[a,h]anthracene	15.122	278	1451373	50.00	ppm		88
99)	7,12-Dimethylbenz(a)an...	13.169	256	1088952	50.00	ppm		96
100)	Benzo[g,h,i]perylene	15.485	276	1455544	50.00	ppm		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60424.D
Acq On : 23 Jun 2016 12:12 pm
Operator : robertl1
Sample : ICC2635-50
Misc : op94957,e2p2635
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 15:44:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 12:36:25 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60425.D
Acq On : 23 Jun 2016 12:40 pm
Operator : robertl1
Sample : IC2635-1
Misc : op94957,e2p2635
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 16:00:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	1008773	40.00	ppm	0.00
24) Naphthalene-d8	5.637	136	3479164	40.00	ppm	0.00
47) Acenaphthene-d10	7.082	164	2025623	40.00	ppm	0.00
69) Phenanthrene-d10	8.376	188	3434127	40.00	ppm	0.00
83) Chrysene-d12	11.665	240	3378490	40.00	ppm	0.00
91) Perylene-d12	13.682	264	2668826	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	1008773	40.00	ppm	0.00
103) Naphthalene-d8a	5.637	136	3479164	40.00	ppm	0.00
105) Acenaphthene-d10a	7.082	164	2025623	40.00	ppm	0.00
108) Chrysene-d12a	11.665	240	3378490	40.00	ppm	0.00
110) Phenanthrene-d10a	8.376	188	3434127	40.00	ppm	0.00
113) Chrysene-d12b	11.665	240	3378490	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	33583	0.91	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 1.82%#			
8) Phenol-d5	4.343	99	42399	0.95	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 1.90%#			
25) Nitrobenzene-d5	5.044	82	41641	1.13	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 2.26%#			
51) 2-Fluorobiphenyl	6.525	172	76512	1.24	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 2.48%#			
73) 2,4,6-Tribromophenol	7.745	330	9740	1.07	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 2.14%#			
85) Terphenyl-d14	10.216	244	74962	1.04	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 2.08%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.835	88	11869	1.02	ppm	78
3) Pyridine	2.193	79	25791	0.77	ppm	84
4) N-Nitrosodimethylamine	2.161	74	16140	0.85	ppm #	32
6) Indene	4.787	116	60111	1.09	ppm	95
7) Cumene	3.888	105	92247	0.93	ppm	96
9) Phenol	4.354	94	45502	1.00	ppm	72
10) Aniline	4.306	93	53611	1.10	ppm	89
11) bis(2-Chloroethyl)ether	4.364	93	31272	1.02	ppm	92
12) 2-Chlorophenol	4.418	128	38847	1.13	ppm	93
13) Decane	4.439	57	41915	1.13	ppm	81
14) 1,3-Dichlorobenzene	4.525	146	46493	1.19	ppm	95
15) 1,4-Dichlorobenzene	4.589	146	41108	1.08	ppm	95
16) Benzyl alcohol	4.712	108	20821	1.05	ppm	82
17) 1,2-Dichlorobenzene	4.712	146	39277	1.09	ppm	97
18) Acetophenone	4.921	105	51363	1.10	ppm	94
19) 2-Methylphenol	4.835	108	29734	1.10	ppm	99
20) 2,2'-oxybis(1-Chloropr...	4.814	121	11873	1.27	ppm #	52
21) 3&4-Methylphenol	4.969	108	35113	1.19	ppm	96
22) n-Nitroso-di-n-propyla...	4.921	70	27068	1.15	ppm	76

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60425.D
Acq On : 23 Jun 2016 12:40 pm
Operator : robertl1
Sample : IC2635-1
Misc : op94957,e2p2635
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 16:00:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.985	201	17547	1.30	ppm	#	75
26) Nitrobenzene	5.060	77	40381	1.14	ppm		93
27) Quinoline	5.932	129	66704	1.04	ppm		95
28) Isophorone	5.258	82	63113	1.01	ppm		83
29) 2-Nitrophenol	5.327	139	21060	1.14	ppm	#	61
30) 2,4-Dimethylphenol	5.391	107	33500	1.04	ppm		85
31) Benzoic acid	5.493	105	11743	0.66	ppm		83
32) bis(2-Chloroethoxy)met...	5.445	93	36917	1.10	ppm		96
33) 2,4-Dichlorophenol	5.552	162	31718	1.15	ppm		98
34) 2,6-Dichlorophenol	5.718	162	27745	1.07	ppm		97
35) 1,3,5-Trichlorobenzene	5.327	180	39602	1.19	ppm		94
36) 1,2,4-Trichlorobenzene	5.589	180	35465	1.18	ppm		93
37) 1,2,3-Trichlorobenzene	5.771	180	30597	1.10	ppm		89
38) Naphthalene	5.654	128	93297	1.07	ppm		98
39) 4-Chloroaniline	5.712	127	39127	1.08	ppm		91
40) 2,3-Dichloroaniline	6.467	161	39259	1.14	ppm		92
41) Caprolactam	5.980	113	10739	1.07	ppm		85
42) Hexachlorobutadiene	5.744	225	19484	1.12	ppm		95
43) 4-Chloro-3-methylphenol	6.146	107	33576	1.07	ppm		82
44) 2-Methylnaphthalene	6.226	141	56994	1.03	ppm		94
45) 1-Methylnaphthalene	6.301	141	64893	1.14	ppm		86
46) Dimethylnaphthalene	6.739	156	60444	1.14	ppm		86
48) Hexachlorocyclopentadiene	6.343	237	2114	0.20	ppm		75
49) 2,4,6-Trichlorophenol	6.477	196	21055	1.17	ppm		98
50) 2,4,5-Trichlorophenol	6.525	196	22031	1.17	ppm		99
52) 2-Chloronaphthalene	6.627	162	66604	1.28	ppm		99
53) Biphenyl	6.606	154	82512	1.12	ppm		90
54) 2-Nitroaniline	6.723	65	25264	1.11	ppm		94
55) Dimethylphthalate	6.862	163	71103	1.10	ppm		98
56) Acenaphthylene	6.964	152	103395	1.12	ppm		95
57) 2,6-Dinitrotoluene	6.926	165	15639	1.01	ppm		95
58) 3-Nitroaniline	7.066	138	18275	1.05	ppm		74
59) Acenaphthene	7.108	153	59511	1.03	ppm		94
61) 4-Nitrophenol	7.269	109	6693	1.02	ppm	#	66
62) Dibenzofuran	7.247	168	85668	1.04	ppm		94
63) 2,4-Dinitrotoluene	7.263	165	21402	1.07	ppm		89
64) 2,3,4,6-Tetrachlorophenol	7.370	232	12607	1.01	ppm		93
65) Diethylphthalate	7.440	149	73734	1.08	ppm		97
66) Fluorene	7.531	166	69980	1.06	ppm		93
67) 4-Chlorophenyl-phenyle...	7.531	204	33982	1.08	ppm		91
68) 4-Nitroaniline	7.568	138	17347	1.12	ppm	#	76
70) 4,6-Dinitro-2-methylph...	7.606	198	4197	0.45	ppm		73
71) n-Nitrosodiphenylamine	7.638	169	47599	1.18	ppm		96
72) 1,2-Diphenylhydrazine	7.665	77	72229	1.12	ppm		94
74) 4-Bromophenyl-phenylether	7.953	248	20536	1.02	ppm		93
75) Hexachlorobenzene	8.007	284	25324	1.14	ppm		83
76) Pentachlorophenol	8.216	266	4575	0.87	ppm	#	72
77) Phenanthrene	8.397	178	91449	1.04	ppm		98
78) Anthracene	8.446	178	94059	1.08	ppm		98
79) Carbazole	8.627	167	92245	1.03	ppm		88

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60425.D
Acq On : 23 Jun 2016 12:40 pm
Operator : robertl1
Sample : IC2635-1
Misc : op94957,e2p2635
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 16:00:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Di-n-butylphthalate	8.996	149	112735	0.93	ppm		98
81)	Fluoranthene	9.708	202	116437	0.98	ppm		94
82)	Octadecane	8.269	43	47332	1.06	ppm	#	71
84)	Pyrene	9.991	202	120998	1.07	ppm		97
86)	Butylbenzylphthalate	10.917	149	49642	0.90	ppm		93
87)	Benzo[a]anthracene	11.649	228	120244	1.16	ppm		94
88)	3,3'-Dichlorobenzidine	11.644	252	42728	1.02	ppm		95
89)	Chrysene	11.697	228	87448	1.01	ppm		98
90)	bis(2-Ethylhexyl)phtha...	11.783	149	61907	0.98	ppm		99
92)	Di-n-octylphthalate	12.735	149	110517	0.92	ppm		100
93)	Benzo[b]fluoranthene	13.163	252	94461	1.06	ppm		87
94)	Benzo[k]fluoranthene	13.195	252	86025	1.09	ppm		90
95)	Benzo[a]pyrene	13.591	252	78420	1.02	ppm		92
96)	Indeno[1,2,3-cd]pyrene	15.067	276	69402	0.99	ppm		79
97)	Dibenz(a,h)acridine	14.757	279	53224	0.96	ppm		98
98)	Dibenz[a,h]anthracene	15.105	278	55628	0.99	ppm		82
99)	7,12-Dimethylbenz(a)an...	13.147	256	34004	0.80	ppm		94
100)	Benzo[g,h,i]perylene	15.458	276	55038	0.97	ppm		80

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

7.5.2

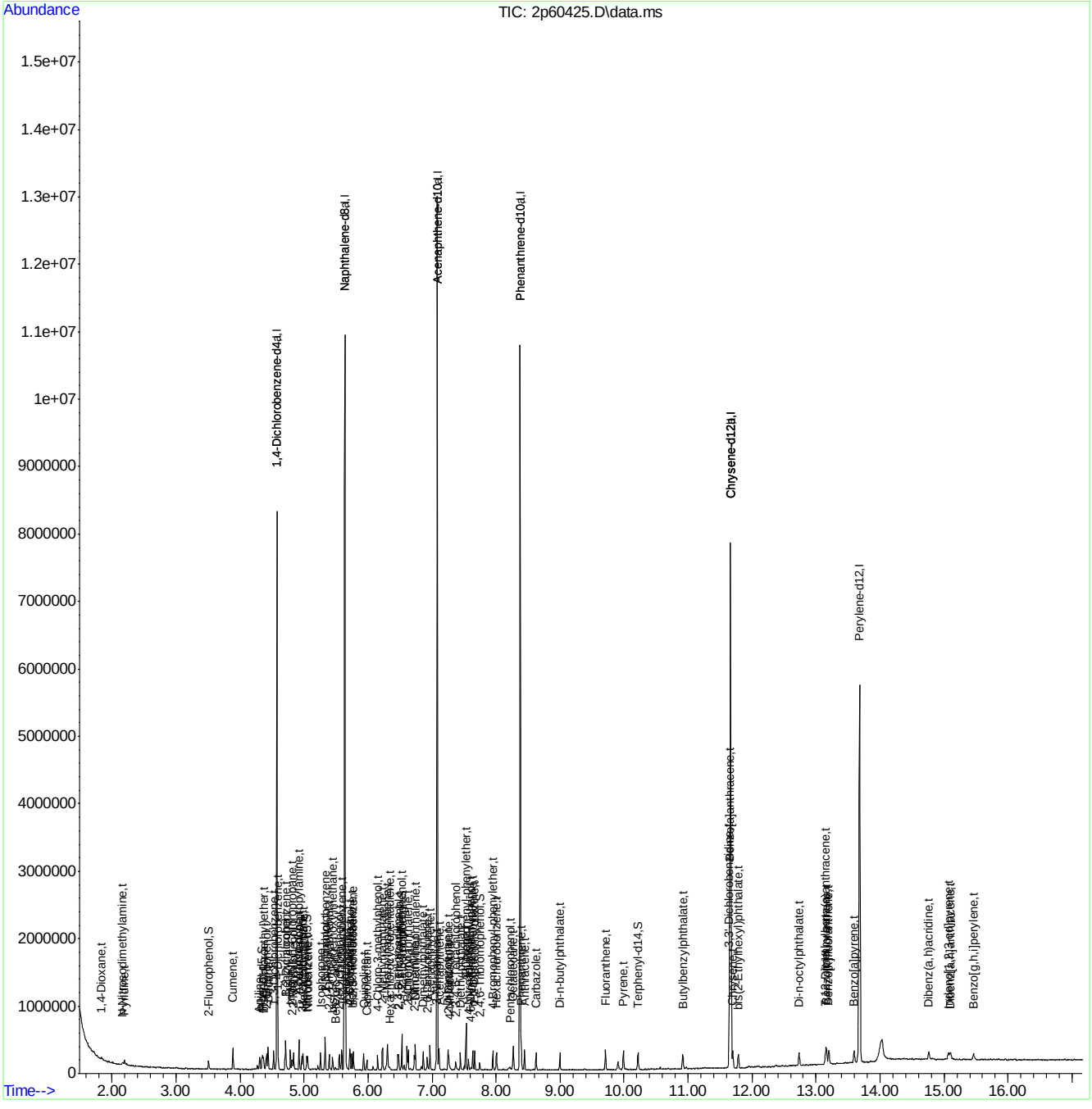
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60425.D
Acq On : 23 Jun 2016 12:40 pm
Operator : robertl1
Sample : IC2635-1
Misc : op94957,e2p2635
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 16:00:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60426.D
Acq On : 23 Jun 2016 1:05 pm
Operator : robertl1
Sample : IC2635-2
Misc : op94957,e2p2635
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 13:44:48 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 13:16:59 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	905381	40.00	ppm	0.00
24) Naphthalene-d8	5.637	136	3136162	40.00	ppm	0.00
47) Acenaphthene-d10	7.081	164	1850047	40.00	ppm	0.00
69) Phenanthrene-d10	8.376	188	3124200	40.00	ppm	0.00
83) Chrysene-d12	11.665	240	3151542	40.00	ppm	0.00
91) Perylene-d12	13.676	264	2493490	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	905381	40.00	ppm	0.00
103) Naphthalene-d8a	5.637	136	3136162	40.00	ppm	0.00
105) Acenaphthene-d10a	7.081	164	1850047	40.00	ppm	0.00
108) Chrysene-d12a	11.665	240	3151542	40.00	ppm	0.02
110) Phenanthrene-d10a	8.376	188	3124200	40.00	ppm	0.01
113) Chrysene-d12b	11.665	240	3151542	40.00	ppm	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	58393	1.84	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery	=	3.68%#	
8) Phenol-d5	4.338	99	74467	2.01	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery	=	4.02%#	
25) Nitrobenzene-d5	5.044	82	68589	2.04	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery	=	4.08%#	
51) 2-Fluorobiphenyl	6.525	172	130020	2.16	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery	=	4.32%#	
73) 2,4,6-Tribromophenol	7.739	330	17792	2.04	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery	=	4.08%#	
85) Terphenyl-d14	10.216	244	146272	2.10	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery	=	4.20%#	
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.834	88	21471	1.93	ppm	95
3) Pyridine	2.187	79	47809	1.73	ppm	81
4) N-Nitrosodimethylamine	2.161	74	29525	1.85	ppm #	41
6) Indene	4.787	116	103718	2.09	ppm	98
7) Cumene	3.888	105	163811	1.94	ppm	94
9) Phenol	4.354	94	81216	2.10	ppm	92
10) Aniline	4.305	93	87487	2.06	ppm	94
11) bis(2-Chloroethyl)ether	4.364	93	55683	2.10	ppm	96
12) 2-Chlorophenol	4.418	128	66118	2.09	ppm	92
13) Decane	4.439	57	69803	2.12	ppm	85
14) 1,3-Dichlorobenzene	4.525	146	79644	2.15	ppm	97
15) 1,4-Dichlorobenzene	4.589	146	72626	2.09	ppm	100
16) Benzyl alcohol	4.712	108	38992	2.21	ppm	83
17) 1,2-Dichlorobenzene	4.712	146	71237	2.16	ppm	95
18) Acetophenone	4.921	105	86021	2.09	ppm	87
19) 2-Methylphenol	4.835	108	51908	2.12	ppm	95
20) 2,2'-oxybis(1-Chloropr...	4.819	121	17911	2.10	ppm #	60
21) 3&4-Methylphenol	4.963	108	58839	2.17	ppm	91
22) n-Nitroso-di-n-propyla...	4.921	70	44310	2.15	ppm	84

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60426.D
Acq On : 23 Jun 2016 1:05 pm
Operator : robertl1
Sample : IC2635-2
Misc : op94957,e2p2635
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 13:44:48 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 13:16:59 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.985	201	27274	2.08	ppm		95
26) Nitrobenzene	5.060	77	71902	2.20	ppm		89
27) Quinoline	5.931	129	117814	2.01	ppm		98
28) Isophorone	5.258	82	108428	1.96	ppm		83
29) 2-Nitrophenol	5.327	139	33839	1.93	ppm	#	51
30) 2,4-Dimethylphenol	5.391	107	57818	2.02	ppm		94
31) Benzoic acid	5.482	105	23868	1.60	ppm		87
32) bis(2-Chloroethoxy)met...	5.445	93	63135	2.06	ppm		92
33) 2,4-Dichlorophenol	5.552	162	52774	1.97	ppm		98
34) 2,6-Dichlorophenol	5.717	162	51130	2.09	ppm		93
35) 1,3,5-Trichlorobenzene	5.327	180	66290	2.06	ppm		97
36) 1,2,4-Trichlorobenzene	5.589	180	62718	2.13	ppm		98
37) 1,2,3-Trichlorobenzene	5.771	180	54901	2.07	ppm		84
38) Naphthalene	5.653	128	163557	2.04	ppm		96
39) 4-Chloroaniline	5.712	127	71900	2.10	ppm		99
40) 2,3-Dichloroaniline	6.461	161	67703	2.06	ppm		89
41) Caprolactam	5.980	113	16561	1.86	ppm		84
42) Hexachlorobutadiene	5.744	225	33948	2.02	ppm		90
43) 4-Chloro-3-methylphenol	6.145	107	56111	1.97	ppm		98
44) 2-Methylnaphthalene	6.226	141	104472	2.06	ppm		96
45) 1-Methylnaphthalene	6.300	141	111917	2.08	ppm		88
46) Dimethylnaphthalene	6.739	156	108147	2.11	ppm		90
48) Hexachlorocyclopentadiene	6.343	237	6315	8.91	ppm		88
49) 2,4,6-Trichlorophenol	6.477	196	37763	2.17	ppm		95
50) 2,4,5-Trichlorophenol	6.520	196	36072	2.01	ppm		91
52) 2-Chloronaphthalene	6.627	162	112190	2.19	ppm		98
53) Biphenyl	6.605	154	147971	2.12	ppm		95
54) 2-Nitroaniline	6.723	65	41646	2.04	ppm		97
55) Dimethylphthalate	6.862	163	128051	2.10	ppm		98
56) Acenaphthylene	6.964	152	184657	2.16	ppm		98
57) 2,6-Dinitrotoluene	6.921	165	30018	2.10	ppm		97
58) 3-Nitroaniline	7.065	138	32590	2.06	ppm		80
59) Acenaphthene	7.103	153	106585	2.06	ppm		97
60) 2,4-Dinitrophenol	7.172	184	2673	11.08	ppm	#	100
61) 4-Nitrophenol	7.269	109	12070	1.98	ppm	#	61
62) Dibenzofuran	7.247	168	151374	2.02	ppm		90
63) 2,4-Dinitrotoluene	7.258	165	36454	1.99	ppm		77
64) 2,3,4,6-Tetrachlorophenol	7.370	232	19782	1.74	ppm		92
65) Diethylphthalate	7.440	149	129938	2.08	ppm		96
66) Fluorene	7.531	166	128436	2.13	ppm		94
67) 4-Chlorophenyl-phenyle...	7.531	204	61797	2.10	ppm		93
68) 4-Nitroaniline	7.568	138	31669	2.17	ppm		83
70) 4,6-Dinitro-2-methylph...	7.606	198	11051	2.94	ppm		79
71) n-Nitrosodiphenylamine	7.638	169	83538	2.13	ppm		89
72) 1,2-Diphenylhydrazine	7.664	77	126472	2.12	ppm		90
74) 4-Bromophenyl-phenylether	7.948	248	39360	2.07	ppm		89
75) Hexachlorobenzene	8.007	284	47067	2.19	ppm		76
76) Pentachlorophenol	8.210	266	8784	4.70	ppm		91
77) Phenanthrene	8.392	178	166928	2.09	ppm		98
78) Anthracene	8.445	178	170116	2.10	ppm		97

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60426.D
Acq On : 23 Jun 2016 1:05 pm
Operator : robertl1
Sample : IC2635-2
Misc : op94957,e2p2635
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 13:44:48 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 13:16:59 2016
Response via : Initial Calibration

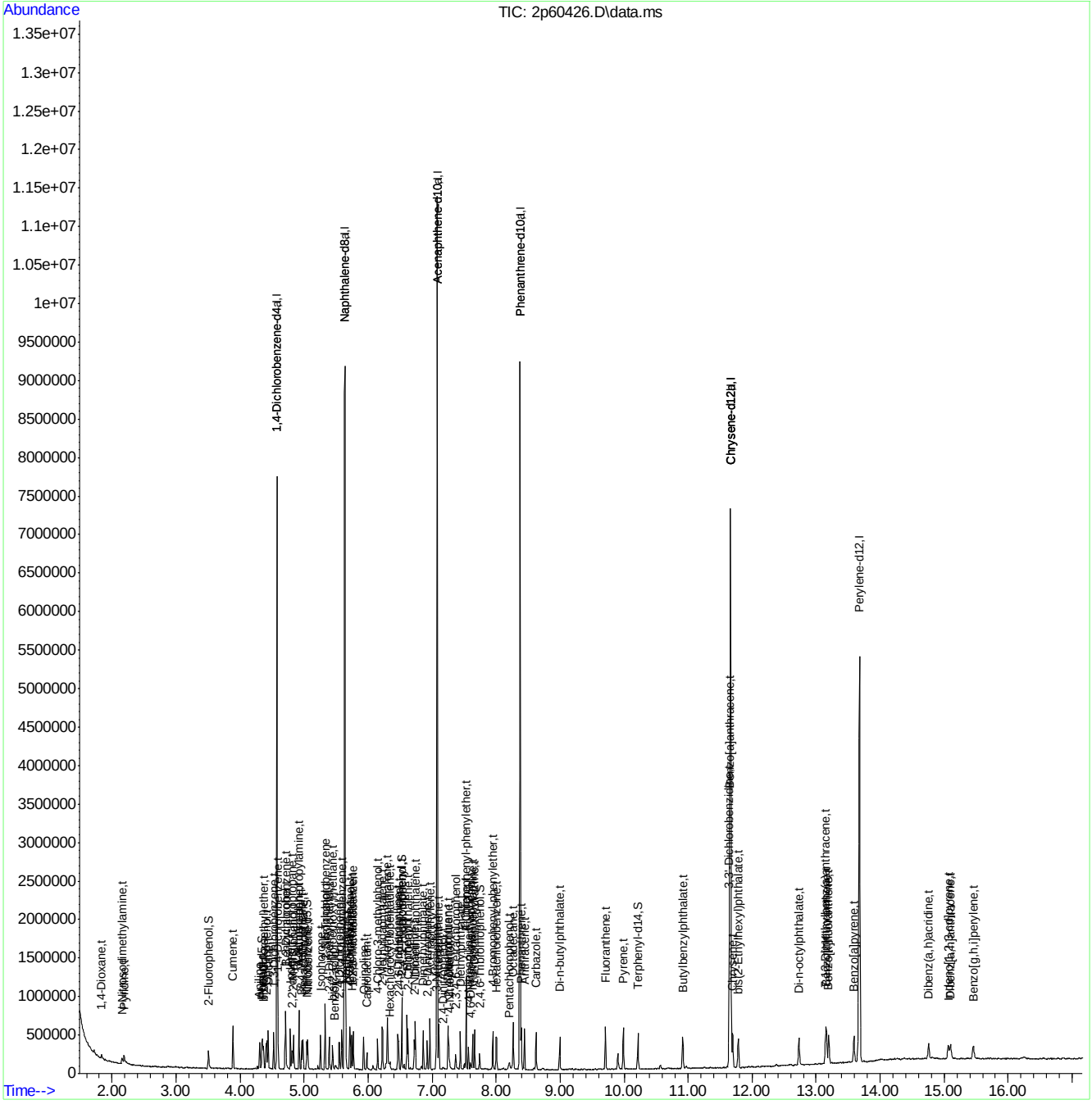
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79)	Carbazole	8.622	167	170461	2.08	ppm		96
80)	Di-n-butylphthalate	8.996	149	212427	1.97	ppm		99
81)	Fluoranthene	9.708	202	205161	1.94	ppm		93
82)	Octadecane	8.269	43	78551	1.97	ppm	#	80
84)	Pyrene	9.986	202	214164	1.99	ppm		95
86)	Butylbenzylphthalate	10.916	149	93693	1.86	ppm		91
87)	Benzo[a]anthracene	11.649	228	208295	2.05	ppm		99
88)	3,3'-Dichlorobenzidine	11.644	252	81137	2.07	ppm		98
89)	Chrysene	11.697	228	164103	2.02	ppm		98
90)	bis(2-Ethylhexyl)phtha...	11.783	149	112624	1.93	ppm		96
92)	Di-n-octylphthalate	12.735	149	210125	1.95	ppm		98
93)	Benzo[b]fluoranthene	13.163	252	178026	2.11	ppm		90
94)	Benzo[k]fluoranthene	13.195	252	157121	2.13	ppm		93
95)	Benzo[a]pyrene	13.591	252	149497	2.06	ppm		90
96)	Indeno[1,2,3-cd]pyrene	15.067	276	127580	1.91	ppm		74
97)	Dibenz(a,h)acridine	14.757	279	101049	1.92	ppm		83
98)	Dibenz[a,h]anthracene	15.099	278	105958	1.95	ppm		86
99)	7,12-Dimethylbenz(a)an...	13.147	256	66928	1.86	ppm		98
100)	Benzo[g,h,i]perylene	15.452	276	103154	1.91	ppm		82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60426.D
Acq On : 23 Jun 2016 1:05 pm
Operator : robertl1
Sample : IC2635-2
Misc : op94957,e2p2635
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 13:44:48 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 13:16:59 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60427.D
Acq On : 23 Jun 2016 1:29 pm
Operator : robertl1
Sample : IC2635-5
Misc : op94957,e2p2635
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 16:01:35 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:57 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	859831	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2921696	40.00	ppm	0.00
47) Acenaphthene-d10	7.082	164	1727236	40.00	ppm	0.00
69) Phenanthrene-d10	8.371	188	2994441	40.00	ppm	0.00
83) Chrysene-d12	11.665	240	3050270	40.00	ppm	0.00
91) Perylene-d12	13.676	264	2444312	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	859831	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2921696	40.00	ppm	0.00
105) Acenaphthene-d10a	7.082	164	1727236	40.00	ppm	0.00
108) Chrysene-d12a	11.665	240	3050270	40.00	ppm	0.00
110) Phenanthrene-d10a	8.371	188	2994441	40.00	ppm	0.00
113) Chrysene-d12b	11.665	240	3050270	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	145082	4.60	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery	=	9.20%#	
8) Phenol-d5	4.338	99	170979	4.51	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery	=	9.02%#	
25) Nitrobenzene-d5	5.044	82	160507	5.19	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery	=	10.38%#	
51) 2-Fluorobiphenyl	6.525	172	304222	5.78	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery	=	11.56%#	
73) 2,4,6-Tribromophenol	7.739	330	40327	5.08	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery	=	10.16%#	
85) Terphenyl-d14	10.216	244	339235	5.22	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery	=	10.44%#	
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.834	88	49707	5.02	ppm	77
3) Pyridine	2.177	79	123127	4.31	ppm	85
4) N-Nitrosodimethylamine	2.155	74	68785	4.23	ppm #	1
6) Indene	4.787	116	243048	5.19	ppm	98
7) Cumene	3.888	105	384279	4.55	ppm	97
9) Phenol	4.348	94	182429	4.72	ppm	64
10) Aniline	4.306	93	205949	4.96	ppm	91
11) bis(2-Chloroethyl)ether	4.364	93	133870	5.12	ppm	95
12) 2-Chlorophenol	4.418	128	162131	5.53	ppm	89
13) Decane	4.439	57	156809	4.97	ppm	86
14) 1,3-Dichlorobenzene	4.525	146	180656	5.45	ppm	94
15) 1,4-Dichlorobenzene	4.589	146	166206	5.11	ppm	94
16) Benzyl alcohol	4.712	108	82374	4.88	ppm	89
17) 1,2-Dichlorobenzene	4.712	146	155703	5.07	ppm	95
18) Acetophenone	4.921	105	197125	4.96	ppm	87
19) 2-Methylphenol	4.835	108	124596	5.41	ppm	97
20) 2,2'-oxybis(1-Chloropr...	4.814	121	40443	5.09	ppm #	63
21) 3&4-Methylphenol	4.963	108	132412	5.26	ppm	96
22) n-Nitroso-di-n-propyla...	4.921	70	99224	4.96	ppm	88

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60427.D
Acq On : 23 Jun 2016 1:29 pm
Operator : robertl1
Sample : IC2635-5
Misc : op94957,e2p2635
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 16:01:35 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:57 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.985	201	66274	5.75	ppm		85
26) Nitrobenzene	5.060	77	156544	5.26	ppm		97
27) Quinoline	5.926	129	265980	4.93	ppm		95
28) Isophorone	5.258	82	255585	4.86	ppm		85
29) 2-Nitrophenol	5.322	139	81078	5.23	ppm	#	61
30) 2,4-Dimethylphenol	5.391	107	129093	4.79	ppm		94
31) Benzoic acid	5.488	105	61021	4.05	ppm		94
32) bis(2-Chloroethoxy)met...	5.445	93	145906	5.18	ppm		95
33) 2,4-Dichlorophenol	5.546	162	127542	5.52	ppm		93
34) 2,6-Dichlorophenol	5.718	162	114565	5.26	ppm		96
35) 1,3,5-Trichlorobenzene	5.327	180	152375	5.46	ppm		99
36) 1,2,4-Trichlorobenzene	5.589	180	142906	5.67	ppm		97
37) 1,2,3-Trichlorobenzene	5.771	180	130976	5.63	ppm		94
38) Naphthalene	5.653	128	371244	5.08	ppm		96
39) 4-Chloroaniline	5.712	127	162674	5.35	ppm		96
40) 2,3-Dichloroaniline	6.461	161	151824	5.25	ppm		92
41) Caprolactam	5.985	113	40641	4.84	ppm	#	81
42) Hexachlorobutadiene	5.744	225	79622	5.43	ppm		99
43) 4-Chloro-3-methylphenol	6.145	107	129798	4.93	ppm		100
44) 2-Methylnaphthalene	6.220	141	240344	5.16	ppm		94
45) 1-Methylnaphthalene	6.301	141	254761	5.33	ppm		93
46) Dimethylnaphthalene	6.734	156	245927	5.53	ppm		89
48) Hexachlorocyclopentadiene	6.343	237	35857	3.94	ppm		85
49) 2,4,6-Trichlorophenol	6.472	196	85835	5.59	ppm		98
50) 2,4,5-Trichlorophenol	6.520	196	87740	5.45	ppm		98
52) 2-Chloronaphthalene	6.622	162	251747	5.67	ppm		95
53) Biphenyl	6.605	154	339476	5.42	ppm		94
54) 2-Nitroaniline	6.723	65	98428	5.07	ppm		98
55) Dimethylphthalate	6.862	163	293059	5.31	ppm		97
56) Acenaphthylene	6.964	152	409939	5.23	ppm		99
57) 2,6-Dinitrotoluene	6.921	165	70602	5.34	ppm		98
58) 3-Nitroaniline	7.065	138	76301	5.12	ppm		94
59) Acenaphthene	7.103	153	244588	4.97	ppm		99
60) 2,4-Dinitrophenol	7.167	184	14557	3.12	ppm	#	100
61) 4-Nitrophenol	7.263	109	27017	4.81	ppm	#	70
62) Dibenzofuran	7.247	168	353722	5.02	ppm		88
63) 2,4-Dinitrotoluene	7.258	165	88033	5.15	ppm		73
64) 2,3,4,6-Tetrachlorophenol	7.370	232	52631	4.95	ppm		81
65) Diethylphthalate	7.440	149	295254	5.08	ppm		98
66) Fluorene	7.531	166	290581	5.19	ppm		91
67) 4-Chlorophenyl-phenyle...	7.531	204	149747	5.58	ppm		96
68) 4-Nitroaniline	7.568	138	71995	5.46	ppm		79
70) 4,6-Dinitro-2-methylph...	7.600	198	33496	4.12	ppm		95
71) n-Nitrosodiphenylamine	7.638	169	197711	5.63	ppm		92
72) 1,2-Diphenylhydrazine	7.665	77	289207	5.15	ppm		88
74) 4-Bromophenyl-phenylether	7.948	248	94636	5.40	ppm		92
75) Hexachlorobenzene	8.007	284	105234	5.43	ppm		80
76) Pentachlorophenol	8.210	266	29623	6.43	ppm		97
77) Phenanthrene	8.392	178	377722	4.92	ppm		98
78) Anthracene	8.445	178	391775	5.17	ppm		98

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60427.D
Acq On : 23 Jun 2016 1:29 pm
Operator : robertl1
Sample : IC2635-5
Misc : op94957,e2p2635
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 16:01:35 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:57 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
79)	Carbazole	8.622	167	397639	5.11 ppm		96
80)	Di-n-butylphthalate	8.991	149	519261	4.91 ppm		98
81)	Fluoranthene	9.708	202	506842	4.90 ppm		90
82)	Octadecane	8.269	43	190194	4.89 ppm	#	77
84)	Pyrene	9.986	202	521478	5.08 ppm		97
86)	Butylbenzylphthalate	10.916	149	240055	4.84 ppm		97
87)	Benzo[a]anthracene	11.644	228	475987	5.07 ppm		97
88)	3,3'-Dichlorobenzidine	11.644	252	189260	5.01 ppm		98
89)	Chrysene	11.697	228	387569	4.97 ppm		99
90)	bis(2-Ethylhexyl)phtha...	11.783	149	284876	5.00 ppm		93
92)	Di-n-octylphthalate	12.730	149	508858	4.63 ppm		99
93)	Benzo[b]fluoranthene	13.163	252	429979	5.26 ppm		89
94)	Benzo[k]fluoranthene	13.200	252	392078	5.43 ppm		86
95)	Benzo[a]pyrene	13.591	252	358564	5.10 ppm		90
96)	Indeno[1,2,3-cd]pyrene	15.067	276	305109	4.73 ppm		80
97)	Dibenz(a,h)acridine	14.757	279	248281	4.88 ppm		96
98)	Dibenz[a,h]anthracene	15.099	278	252779	4.89 ppm		89
99)	7,12-Dimethylbenz(a)an...	13.152	256	160118	4.13 ppm		98
100)	Benzo[g,h,i]perylene	15.457	276	253470	4.89 ppm		79

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

7.5.4

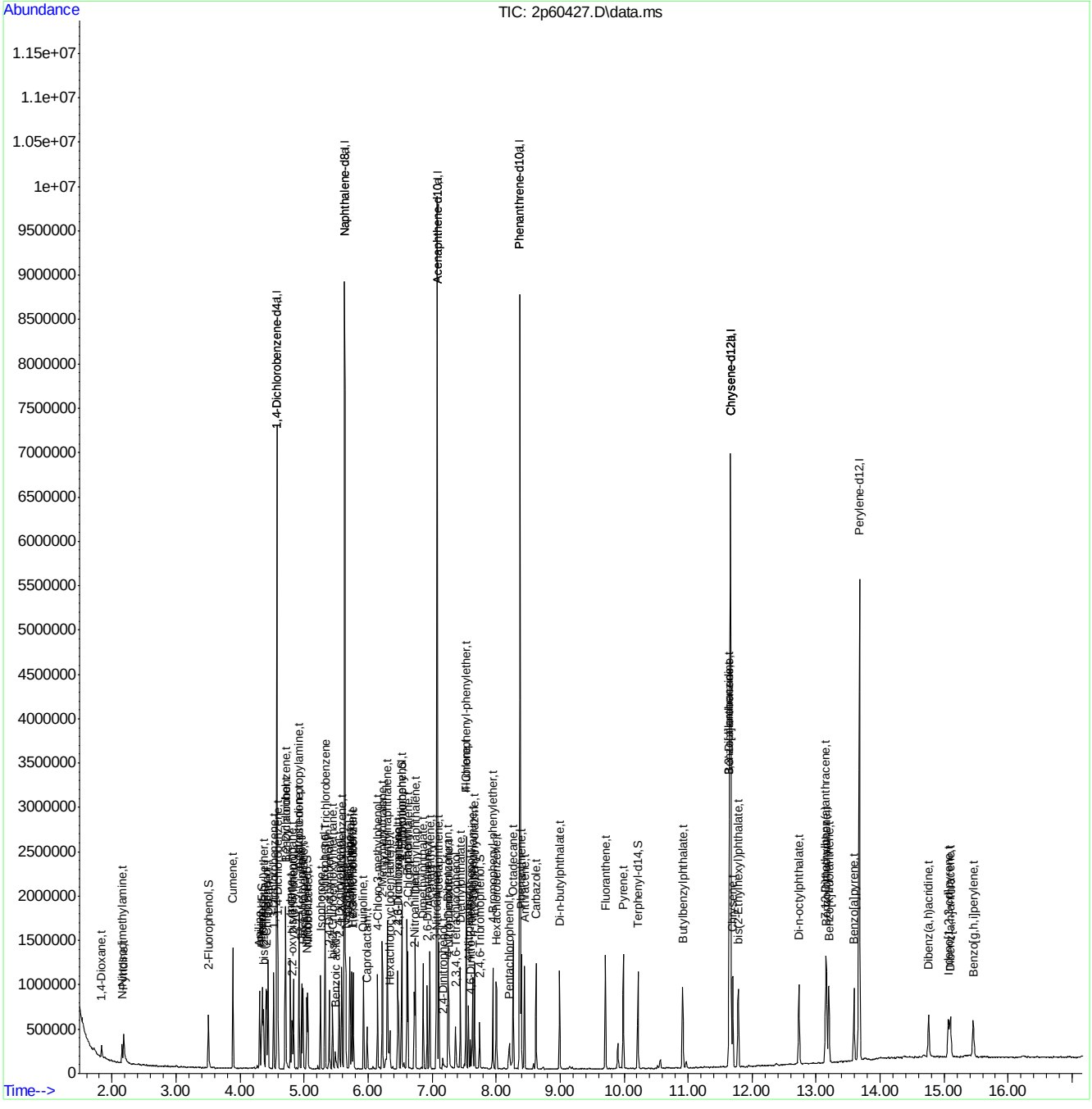
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60427.D
Acq On : 23 Jun 2016 1:29 pm
Operator : robertl1
Sample : IC2635-5
Misc : op94957,e2p2635
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 16:01:35 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:57 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60428.D
Acq On : 23 Jun 2016 1:53 pm
Operator : robertl1
Sample : IC2635-10
Misc : op94957,e2p2635
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 16:03:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	768224	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2606783	40.00	ppm	0.00
47) Acenaphthene-d10	7.082	164	1530697	40.00	ppm	0.00
69) Phenanthrene-d10	8.371	188	2697889	40.00	ppm	0.00
83) Chrysene-d12	11.665	240	2741109	40.00	ppm	0.00
91) Perylene-d12	13.676	264	2290327	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	768224	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2606783	40.00	ppm	0.00
105) Acenaphthene-d10a	7.082	164	1530697	40.00	ppm	0.00
108) Chrysene-d12a	11.665	240	2741109	40.00	ppm	0.00
110) Phenanthrene-d10a	8.371	188	2697889	40.00	ppm	0.00
113) Chrysene-d12b	11.665	240	2741109	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	261411	9.29	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 18.58%			
8) Phenol-d5	4.338	99	305184	9.01	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 18.02%			
25) Nitrobenzene-d5	5.044	82	270712	9.81	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 19.62%			
51) 2-Fluorobiphenyl	6.525	172	509717	10.92	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 21.84%			
73) 2,4,6-Tribromophenol	7.745	330	72780	10.18	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 20.36%			
85) Terphenyl-d14	10.216	244	592625	10.16	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 20.32%			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.835	88	87712	9.91	ppm	75
3) Pyridine	2.171	79	224539	8.80	ppm	83
4) N-Nitrosodimethylamine	2.150	74	128117	8.82	ppm #	1
6) Indene	4.787	116	407048	9.72	ppm	97
7) Cumene	3.888	105	696006	9.23	ppm	96
9) Phenol	4.348	94	316861	9.17	ppm	76
10) Aniline	4.306	93	350801	9.46	ppm	90
11) bis(2-Chloroethyl)ether	4.364	93	226847	9.71	ppm	96
12) 2-Chlorophenol	4.418	128	270511	10.32	ppm	90
13) Decane	4.439	57	270809	9.62	ppm	88
14) 1,3-Dichlorobenzene	4.525	146	318908	10.76	ppm	95
15) 1,4-Dichlorobenzene	4.589	146	294276	10.13	ppm	96
16) Benzyl alcohol	4.712	108	151241	10.02	ppm	88
17) 1,2-Dichlorobenzene	4.712	146	281429	10.25	ppm	95
18) Acetophenone	4.921	105	339080	9.54	ppm	90
19) 2-Methylphenol	4.835	108	209885	10.20	ppm	94
20) 2,2'-oxybis(1-Chloropr...	4.814	121	72719	10.25	ppm #	50
21) 3&4-Methylphenol	4.963	108	222640	9.90	ppm	90
22) n-Nitroso-di-n-propyla...	4.921	70	165107	9.24	ppm	81

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60428.D
Acq On : 23 Jun 2016 1:53 pm
Operator : robertl1
Sample : IC2635-10
Misc : op94957,e2p2635
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 16:03:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.985	201	111072	10.78	ppm		86
26) Nitrobenzene	5.060	77	267850	10.08	ppm		96
27) Quinoline	5.932	129	477023	9.90	ppm		95
28) Isophorone	5.258	82	449512	9.57	ppm		84
29) 2-Nitrophenol	5.327	139	144348	10.44	ppm	#	56
30) 2,4-Dimethylphenol	5.391	107	215429	8.97	ppm		93
31) Benzoic acid	5.498	105	116942	8.71	ppm		96
32) bis(2-Chloroethoxy)met...	5.445	93	253065	10.08	ppm		94
33) 2,4-Dichlorophenol	5.546	162	221988	10.76	ppm		96
34) 2,6-Dichlorophenol	5.718	162	193608	9.97	ppm		94
35) 1,3,5-Trichlorobenzene	5.327	180	268247	10.77	ppm		98
36) 1,2,4-Trichlorobenzene	5.589	180	250898	11.16	ppm		99
37) 1,2,3-Trichlorobenzene	5.771	180	221623	10.67	ppm		91
38) Naphthalene	5.653	128	652116	9.99	ppm		98
39) 4-Chloroaniline	5.712	127	276740	10.20	ppm		99
40) 2,3-Dichloroaniline	6.461	161	265582	10.29	ppm		90
41) Caprolactam	5.990	113	73721	9.84	ppm	#	83
42) Hexachlorobutadiene	5.744	225	143443	10.97	ppm		96
43) 4-Chloro-3-methylphenol	6.146	107	222739	9.48	ppm		98
44) 2-Methylnaphthalene	6.220	141	414963	9.99	ppm		91
45) 1-Methylnaphthalene	6.301	141	436249	10.23	ppm		89
46) Dimethylnaphthalene	6.739	156	418321	10.54	ppm		89
48) Hexachlorocyclopentadiene	6.343	237	97810	12.11	ppm		94
49) 2,4,6-Trichlorophenol	6.477	196	147390	10.82	ppm		94
50) 2,4,5-Trichlorophenol	6.520	196	152417	10.68	ppm		97
52) 2-Chloronaphthalene	6.622	162	435346	11.07	ppm		95
53) Biphenyl	6.605	154	580891	10.47	ppm		89
54) 2-Nitroaniline	6.723	65	161396	9.38	ppm		98
55) Dimethylphthalate	6.862	163	511558	10.47	ppm		98
56) Acenaphthylene	6.964	152	731270	10.52	ppm		99
57) 2,6-Dinitrotoluene	6.921	165	118741	10.14	ppm		97
58) 3-Nitroaniline	7.065	138	129245	9.79	ppm		84
59) Acenaphthene	7.103	153	435076	9.98	ppm		96
60) 2,4-Dinitrophenol	7.167	184	42710	10.32	ppm	#	100
61) 4-Nitrophenol	7.263	109	50586	10.15	ppm	#	84
62) Dibenzofuran	7.247	168	638394	10.23	ppm		89
63) 2,4-Dinitrotoluene	7.258	165	156123	10.30	ppm		60
64) 2,3,4,6-Tetrachlorophenol	7.365	232	90122	9.56	ppm		91
65) Diethylphthalate	7.445	149	525343	10.19	ppm		93
66) Fluorene	7.531	166	523455	10.54	ppm		95
67) 4-Chlorophenyl-phenyle...	7.531	204	257507	10.82	ppm		100
68) 4-Nitroaniline	7.568	138	119860	10.26	ppm		78
70) 4,6-Dinitro-2-methylph...	7.600	198	65158	8.90	ppm		94
71) n-Nitrosodiphenylamine	7.638	169	337233	10.66	ppm		93
72) 1,2-Diphenylhydrazine	7.665	77	496672	9.81	ppm		90
74) 4-Bromophenyl-phenylether	7.948	248	163517	10.36	ppm		100
75) Hexachlorobenzene	8.007	284	185266	10.62	ppm		76
76) Pentachlorophenol	8.210	266	66302	15.98	ppm		96
77) Phenanthrene	8.392	178	684531	9.89	ppm		97
78) Anthracene	8.445	178	698487	10.23	ppm		98

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60428.D
Acq On : 23 Jun 2016 1:53 pm
Operator : robertl1
Sample : IC2635-10
Misc : op94957,e2p2635
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 16:03:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

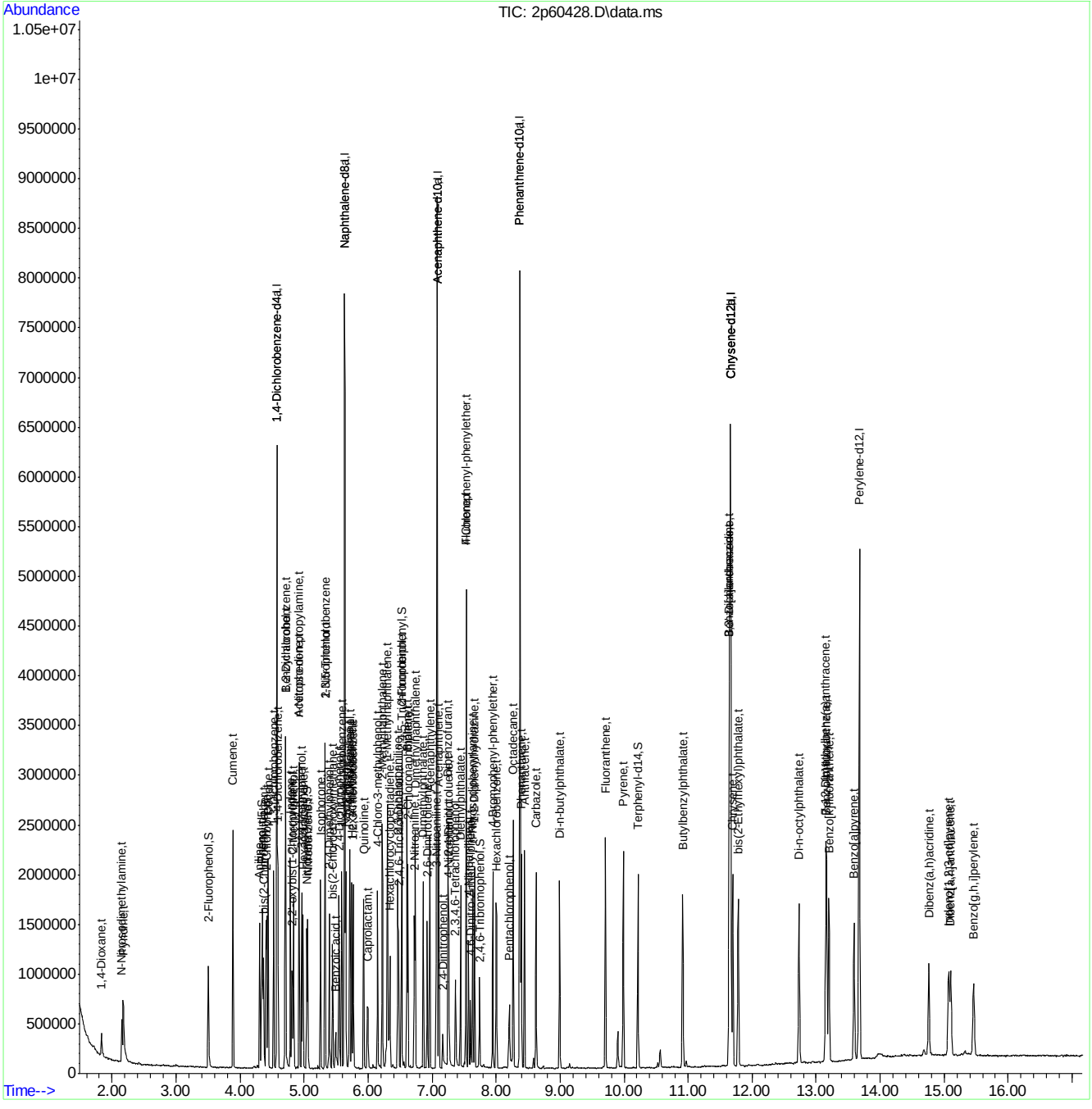
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79)	Carbazole	8.622	167	698616	9.96	ppm		95
80)	Di-n-butylphthalate	8.996	149	935242	9.82	ppm		99
81)	Fluoranthene	9.708	202	917494	9.84	ppm		90
82)	Octadecane	8.269	43	330643	9.43	ppm	#	75
84)	Pyrene	9.986	202	924118	10.03	ppm		97
86)	Butylbenzylphthalate	10.916	149	428507	9.61	ppm		99
87)	Benzo[a]anthracene	11.644	228	848975	10.05	ppm		99
88)	3,3'-Dichlorobenzidine	11.644	252	340690	10.03	ppm		91
89)	Chrysene	11.697	228	695677	9.93	ppm		99
90)	bis(2-Ethylhexyl)phtha...	11.783	149	507102	9.90	ppm		99
92)	Di-n-octylphthalate	12.735	149	940037	9.13	ppm		98
93)	Benzo[b]fluoranthene	13.163	252	788682	10.29	ppm		90
94)	Benzo[k]fluoranthene	13.200	252	669833	9.89	ppm		87
95)	Benzo[a]pyrene	13.591	252	659112	10.01	ppm		91
96)	Indeno[1,2,3-cd]pyrene	15.072	276	589547	9.76	ppm		77
97)	Dibenz(a,h)acridine	14.762	279	463811	9.73	ppm		95
98)	Dibenz[a,h]anthracene	15.104	278	486453	10.04	ppm		87
99)	7,12-Dimethylbenz(a)an...	13.152	256	318194	8.75	ppm		99
100)	Benzo[g,h,i]perylene	15.463	276	474604	9.77	ppm		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60428.D
Acq On : 23 Jun 2016 1:53 pm
Operator : robertl1
Sample : IC2635-10
Misc : op94957,e2p2635
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 16:03:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60429.D
Acq On : 23 Jun 2016 2:17 pm
Operator : robertl1
Sample : IC2635-25
Misc : op94957,e2p2635
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 16:05:26 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	701421	40.00	ppm	0.00
24) Naphthalene-d8	5.637	136	2302611	40.00	ppm	0.00
47) Acenaphthene-d10	7.081	164	1379408	40.00	ppm	0.00
69) Phenanthrene-d10	8.376	188	2443999	40.00	ppm	0.00
83) Chrysene-d12	11.665	240	2497949	40.00	ppm	0.00
91) Perylene-d12	13.676	264	2110485	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	701421	40.00	ppm	0.00
103) Naphthalene-d8a	5.637	136	2302611	40.00	ppm	0.00
105) Acenaphthene-d10a	7.081	164	1379408	40.00	ppm	0.00
108) Chrysene-d12a	11.665	240	2497949	40.00	ppm	0.00
110) Phenanthrene-d10a	8.376	188	2443999	40.00	ppm	0.00
113) Chrysene-d12b	11.665	240	2497949	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	602499	23.44	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 46.88%			
8) Phenol-d5	4.338	99	686099	22.20	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 44.40%			
25) Nitrobenzene-d5	5.049	82	582328	23.88	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 47.76%			
51) 2-Fluorobiphenyl	6.525	172	1080012	25.67	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 51.34%			
73) 2,4,6-Tribromophenol	7.745	330	169525	26.17	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 52.34%			
85) Terphenyl-d14	10.216	244	1334653	25.10	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 50.20%			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.834	88	214126	26.51	ppm #	74
3) Pyridine	2.171	79	546429	23.46	ppm	86
4) N-Nitrosodimethylamine	2.155	74	303712	22.89	ppm #	1
6) Indene	4.787	116	903171	23.63	ppm	97
7) Cumene	3.888	105	1603767	23.30	ppm	96
9) Phenol	4.348	94	708053	22.44	ppm	70
10) Aniline	4.311	93	770822	22.78	ppm	96
11) bis(2-Chloroethyl)ether	4.370	93	477125	22.36	ppm	93
12) 2-Chlorophenol	4.418	128	583252	24.37	ppm	93
13) Decane	4.439	57	587905	22.86	ppm	88
14) 1,3-Dichlorobenzene	4.525	146	688908	25.46	ppm	95
15) 1,4-Dichlorobenzene	4.589	146	639167	24.11	ppm	99
16) Benzyl alcohol	4.717	108	319445	23.18	ppm	83
17) 1,2-Dichlorobenzene	4.712	146	611065	24.38	ppm	97
18) Acetophenone	4.921	105	739959	22.81	ppm	94
19) 2-Methylphenol	4.835	108	436789	23.24	ppm	97
20) 2,2'-oxybis(1-Chloropr...	4.819	121	150725	23.27	ppm #	46
21) 3&4-Methylphenol	4.969	108	469931	22.88	ppm	91
22) n-Nitroso-di-n-propyla...	4.926	70	358822	21.99	ppm	82

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60429.D
Acq On : 23 Jun 2016 2:17 pm
Operator : robertl1
Sample : IC2635-25
Misc : op94957,e2p2635
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 16:05:26 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23)	Hexachloroethane	4.990	201	238703	25.37	ppm	#	71
26)	Nitrobenzene	5.065	77	568324	24.22	ppm		99
27)	Quinoline	5.937	129	1043623	24.52	ppm		98
28)	Isophorone	5.263	82	998971	24.09	ppm		86
29)	2-Nitrophenol	5.327	139	317315	25.97	ppm	#	63
30)	2,4-Dimethylphenol	5.391	107	500469	23.59	ppm		88
31)	Benzoic acid	5.520	105	272652	22.98	ppm		90
32)	bis(2-Chloroethoxy)met...	5.450	93	535818	24.16	ppm		95
33)	2,4-Dichlorophenol	5.546	162	475358	26.09	ppm		96
34)	2,6-Dichlorophenol	5.723	162	438594	25.56	ppm		97
35)	1,3,5-Trichlorobenzene	5.332	180	576971	26.22	ppm		100
36)	1,2,4-Trichlorobenzene	5.589	180	533222	26.84	ppm		99
37)	1,2,3-Trichlorobenzene	5.771	180	477620	26.04	ppm		93
38)	Naphthalene	5.653	128	1422978	24.69	ppm		98
39)	4-Chloroaniline	5.717	127	607218	25.33	ppm		100
40)	2,3-Dichloroaniline	6.466	161	582213	25.53	ppm		91
41)	Caprolactam	6.017	113	155520	23.50	ppm	#	82
42)	Hexachlorobutadiene	5.750	225	315217	27.30	ppm		96
43)	4-Chloro-3-methylphenol	6.151	107	513401	24.74	ppm		96
44)	2-Methylnaphthalene	6.226	141	907622	24.73	ppm		92
45)	1-Methylnaphthalene	6.306	141	946089	25.11	ppm		91
46)	Dimethylnaphthalene	6.739	156	898838	25.64	ppm		89
48)	Hexachlorocyclopentadiene	6.343	237	336835	46.29	ppm		92
49)	2,4,6-Trichlorophenol	6.477	196	318741	25.97	ppm		96
50)	2,4,5-Trichlorophenol	6.520	196	339670	26.41	ppm		97
52)	2-Chloronaphthalene	6.627	162	915195	25.82	ppm		97
53)	Biphenyl	6.611	154	1280154	25.61	ppm		95
54)	2-Nitroaniline	6.728	65	356501	22.98	ppm		94
55)	Dimethylphthalate	6.867	163	1111503	25.24	ppm		99
56)	Acenaphthylene	6.964	152	1568665	25.05	ppm		99
57)	2,6-Dinitrotoluene	6.926	165	272022	25.77	ppm		93
58)	3-Nitroaniline	7.071	138	288906	24.29	ppm		91
59)	Acenaphthene	7.108	153	940291	23.93	ppm		99
60)	2,4-Dinitrophenol	7.167	184	150653	40.39	ppm	#	100
61)	4-Nitrophenol	7.263	109	116176	25.87	ppm	#	80
62)	Dibenzofuran	7.253	168	1392421	24.76	ppm		91
63)	2,4-Dinitrotoluene	7.263	165	348570	25.53	ppm		72
64)	2,3,4,6-Tetrachlorophenol	7.370	232	219384	25.82	ppm		90
65)	Diethylphthalate	7.445	149	1169009	25.17	ppm		95
66)	Fluorene	7.531	166	1139307	25.46	ppm		95
67)	4-Chlorophenyl-phenyle...	7.531	204	554668	25.86	ppm		96
68)	4-Nitroaniline	7.573	138	265285	25.19	ppm		82
70)	4,6-Dinitro-2-methylph...	7.606	198	165339	24.94	ppm		85
71)	n-Nitrosodiphenylamine	7.638	169	736819	25.70	ppm		91
72)	1,2-Diphenylhydrazine	7.664	77	1080051	23.54	ppm		95
74)	4-Bromophenyl-phenylether	7.953	248	373485	26.13	ppm		93
75)	Hexachlorobenzene	8.007	284	409047	25.88	ppm		83
76)	Pentachlorophenol	8.210	266	172217	45.81	ppm		97
77)	Phenanthrene	8.397	178	1522325	24.28	ppm		97
78)	Anthracene	8.445	178	1574453	25.45	ppm		98

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60429.D
Acq On : 23 Jun 2016 2:17 pm
Operator : robertl1
Sample : IC2635-25
Misc : op94957,e2p2635
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 16:05:26 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79)	Carbazole	8.627	167	1574117	24.76	ppm		95
80)	Di-n-butylphthalate	8.996	149	2116449	24.54	ppm		100
81)	Fluoranthene	9.713	202	2086438	24.70	ppm		90
82)	Octadecane	8.269	43	744042	23.42	ppm	#	74
84)	Pyrene	9.991	202	2072400	24.68	ppm		97
86)	Butylbenzylphthalate	10.916	149	994702	24.47	ppm		96
87)	Benzo[a]anthracene	11.649	228	1931557	25.10	ppm		100
88)	3,3'-Dichlorobenzidine	11.649	252	785357	25.38	ppm		92
89)	Chrysene	11.703	228	1581816	24.76	ppm		99
90)	bis(2-Ethylhexyl)phtha...	11.783	149	1141713	24.45	ppm		96
92)	Di-n-octylphthalate	12.735	149	2234708	23.55	ppm		99
93)	Benzo[b]fluoranthene	13.173	252	1779452	25.20	ppm		88
94)	Benzo[k]fluoranthene	13.211	252	1510377	24.21	ppm		87
95)	Benzo[a]pyrene	13.601	252	1518998	25.03	ppm		88
96)	Indeno[1,2,3-cd]pyrene	15.083	276	1411476	25.35	ppm		75
97)	Dibenz(a,h)acridine	14.767	279	1120191	25.51	ppm		94
98)	Dibenz[a,h]anthracene	15.110	278	1137500	25.48	ppm		88
99)	7,12-Dimethylbenz(a)an...	13.157	256	778029	23.23	ppm		98
100)	Benzo[g,h,i]perylene	15.473	276	1136962	25.40	ppm		79

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

7.5.6

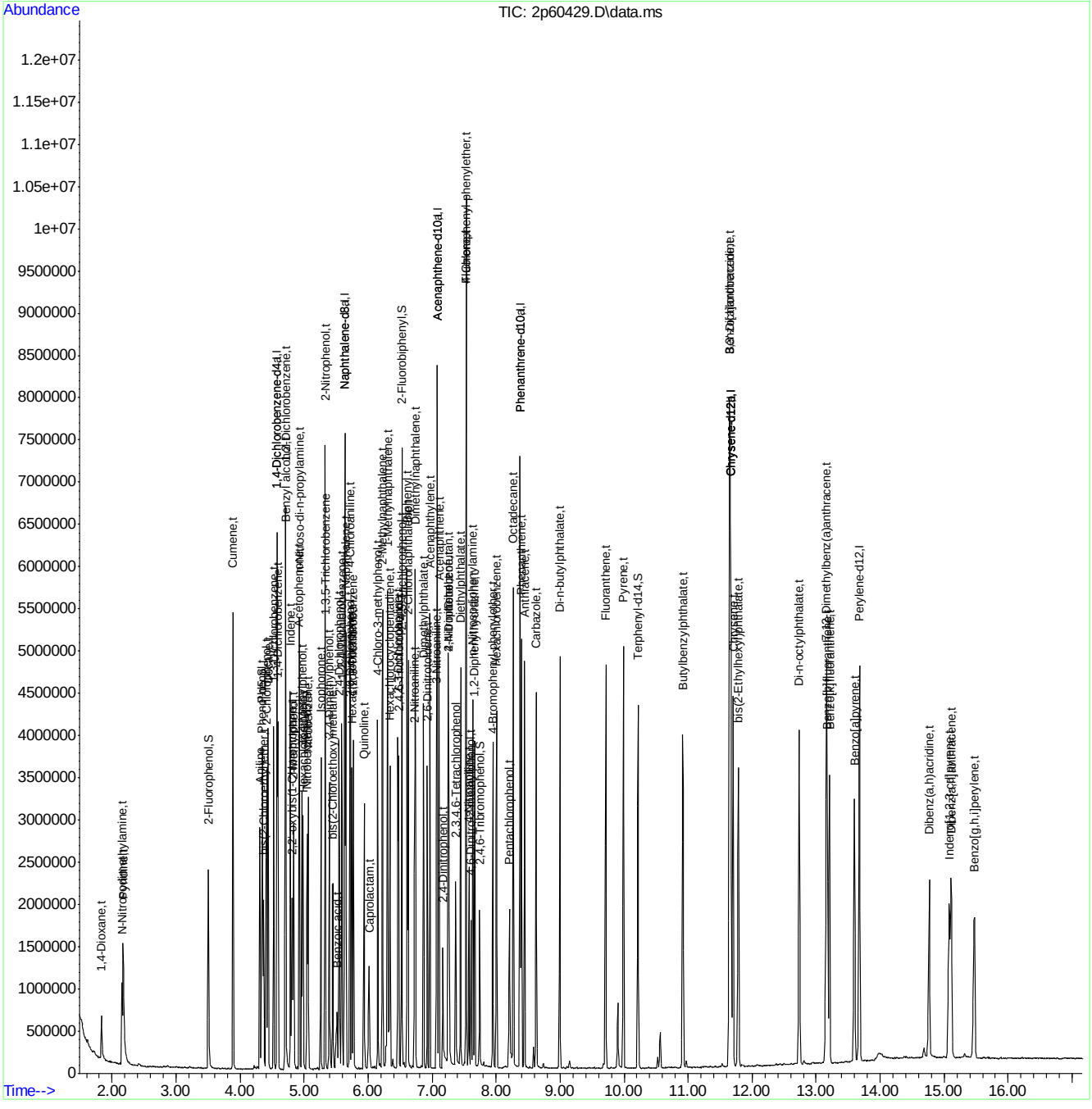
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60429.D
Acq On : 23 Jun 2016 2:17 pm
Operator : robertl1
Sample : IC2635-25
Misc : op94957,e2p2635
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 16:05:26 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

2P60430.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
06/27/16 18:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:32:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	615625	40.00	ppm	0.00
24) Naphthalene-d8	5.637	136	2037921	40.00	ppm	0.00
47) Acenaphthene-d10	7.082	164	1310294	40.00	ppm	0.00
69) Phenanthrene-d10	8.376	188	2244354	40.00	ppm	0.00
83) Chrysene-d12	11.676	240	2130920	40.00	ppm	0.00
91) Perylene-d12	13.682	264	1842339	40.00	ppm	0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	615625	40.00	ppm	0.00
103) Naphthalene-d8a	5.637	136	2037921	40.00	ppm	0.00
105) Acenaphthene-d10a	7.082	164	1310294	40.00	ppm	0.00
108) Chrysene-d12a	11.676	240	2130920	40.00	ppm	0.00
110) Phenanthrene-d10a	8.376	188	2244354	40.00	ppm	0.00
113) Chrysene-d12b	11.676	240	2130920	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	1835093	81.34	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 162.68%#			
8) Phenol-d5	4.348	99	1987853	73.27	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 146.54%#			
25) Nitrobenzene-d5	5.054	82	1687039	78.16	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 156.32%#			
51) 2-Fluorobiphenyl	6.531	172	3057138	76.50	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 153.00%#			
73) 2,4,6-Tribromophenol	7.750	330	524126	88.10	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 176.20%#			
85) Terphenyl-d14	10.221	244	3886666	85.69	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 171.38%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0d	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.829	88	687389	96.95	ppm	77
3) Pyridine	2.172	79	1637829	80.11	ppm	85
4) N-Nitrosodimethylamine	2.161	74	948745	81.48	ppm #	1
6) Indene	4.792	116	2627145	78.30	ppm	100
7) Cumene	3.888	105	4773146	79.01	ppm	97
9) Phenol	4.359	94	1983932	71.64	ppm	75
10) Aniline	4.311	93	2193316	73.84	ppm	93
11) bis(2-Chloroethyl)ether	4.375	93	1297184	69.28	ppm	98
12) 2-Chlorophenol	4.423	128	1572770	74.88	ppm	94
13) Decane	4.445	57	1705337	75.56	ppm	89
14) 1,3-Dichlorobenzene	4.530	146	1900274	80.00	ppm	99
15) 1,4-Dichlorobenzene	4.594	146	1840626	79.09	ppm	99
16) Benzyl alcohol	4.723	108	908504	75.11	ppm	80
17) 1,2-Dichlorobenzene	4.717	146	1718726	78.15	ppm	98
18) Acetophenone	4.931	105	2105108	73.93	ppm	93
19) 2-Methylphenol	4.846	108	1220121	73.98	ppm	98
20) 2,2'-oxybis(1-Chloropr...	4.819	121	418561	73.61	ppm #	63
21) 3&4-Methylphenol	4.974	108	1379931	76.57	ppm	93
22) n-Nitroso-di-n-propyla...	4.942	70	1024533	71.53	ppm	90

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:32:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.990	201	649795	78.68	ppm	#	72
26) Nitrobenzene	5.070	77	1589592	76.53	ppm		93
27) Quinoline	5.964	129	3107597	82.50	ppm		97
28) Isophorone	5.274	82	2887194	78.66	ppm		85
29) 2-Nitrophenol	5.333	139	904012	83.59	ppm		70
30) 2,4-Dimethylphenol	5.402	107	1548224	82.44	ppm		94
31) Benzoic acid	5.579	105	864043m	82.30	ppm		
32) bis(2-Chloroethoxy)met...	5.456	93	1523732	77.62	ppm		95
33) 2,4-Dichlorophenol	5.552	162	1409129	87.38	ppm		96
34) 2,6-Dichlorophenol	5.728	162	1298389	85.49	ppm		97
35) 1,3,5-Trichlorobenzene	5.333	180	1634475	83.94	ppm		98
36) 1,2,4-Trichlorobenzene	5.595	180	1451897	82.57	ppm		98
37) 1,2,3-Trichlorobenzene	5.776	180	1344970	82.86	ppm		93
38) Naphthalene	5.659	128	4216998	82.67	ppm		96
39) 4-Chloroaniline	5.723	127	1786907	84.22	ppm		94
40) 2,3-Dichloroaniline	6.466	161	1716564	85.06	ppm		89
41) Caprolactam	6.055	113	470008m	80.25	ppm		
42) Hexachlorobutadiene	5.750	225	858816	84.04	ppm		95
43) 4-Chloro-3-methylphenol	6.162	107	1513121	82.38	ppm		93
44) 2-Methylnaphthalene	6.226	141	2608039	80.30	ppm		92
45) 1-Methylnaphthalene	6.306	141	2720929	81.58	ppm		95
46) Dimethylnaphthalene	6.745	156	2651389	85.46	ppm		92
48) Hexachlorocyclopentadiene	6.349	237	1400559	202.64	ppm		92
49) 2,4,6-Trichlorophenol	6.482	196	905901	77.70	ppm		95
50) 2,4,5-Trichlorophenol	6.531	196	924747	75.69	ppm		93
52) 2-Chloronaphthalene	6.632	162	2557505	75.95	ppm		98
53) Biphenyl	6.616	154	3756038	79.11	ppm		94
54) 2-Nitroaniline	6.734	65	1109589	75.30	ppm		95
55) Dimethylphthalate	6.873	163	3293502	78.73	ppm		98
56) Acenaphthylene	6.969	152	4447545	74.76	ppm		99
57) 2,6-Dinitrotoluene	6.937	165	774036	77.19	ppm		88
58) 3-Nitroaniline	7.082	138	872356	77.21	ppm		93
59) Acenaphthene	7.114	153	2828176	75.78	ppm		98
60) 2,4-Dinitrophenol	7.178	184	679615	191.84	ppm	#	100
61) 4-Nitrophenol	7.274	109	331930	77.82	ppm	#	85
62) Dibenzofuran	7.258	168	4117607	77.07	ppm		95
63) 2,4-Dinitrotoluene	7.274	165	956932	73.78	ppm		69
64) 2,3,4,6-Tetrachlorophenol	7.376	232	705050	87.37	ppm		89
65) Diethylphthalate	7.456	149	3354003	76.02	ppm		93
66) Fluorene	7.536	166	3178293	74.77	ppm		97
67) 4-Chlorophenyl-phenyle...	7.536	204	1525451	74.88	ppm		96
68) 4-Nitroaniline	7.600	138	784552	78.43	ppm		81
70) 4,6-Dinitro-2-methylph...	7.622	198	553342	90.90	ppm		89
71) n-Nitrosodiphenylamine	7.649	169	2113574	80.28	ppm		94
72) 1,2-Diphenylhydrazine	7.670	77	3335965	79.18	ppm		93
74) 4-Bromophenyl-phenylether	7.953	248	1094390	83.36	ppm		99
75) Hexachlorobenzene	8.012	284	1191257	82.08	ppm		85
76) Pentachlorophenol	8.215	266	721518	209.01	ppm		96
77) Phenanthrene	8.403	178	4571930	79.41	ppm		98
78) Anthracene	8.456	178	4500804	79.22	ppm		99

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:32:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79)	Carbazole	8.633	167	4606622	78.91	ppm		95
80)	Di-n-butylphthalate	9.002	149	6268277	79.14	ppm		99
81)	Fluoranthene	9.718	202	6118894	78.90	ppm		90
82)	Octadecane	8.274	43	2252437	77.21	ppm	#	78
84)	Pyrene	10.002	202	5913981	82.55	ppm		97
86)	Butylbenzylphthalate	10.922	149	2949059	85.05	ppm		98
87)	Benzo[a]anthracene	11.655	228	5605678	85.39	ppm		100
88)	3,3'-Dichlorobenzidine	11.665	252	2105716	79.78	ppm		96
89)	Chrysene	11.719	228	4592883	84.29	ppm		99
90)	bis(2-Ethylhexyl)phtha...	11.788	149	3280869	82.36	ppm		99
92)	Di-n-octylphthalate	12.746	149	6663219	80.44	ppm		98
93)	Benzo[b]fluoranthene	13.195	252	4962605	80.50	ppm		88
94)	Benzo[k]fluoranthene	13.232	252	3939672	72.34	ppm		87
95)	Benzo[a]pyrene	13.618	252	4312183	81.40	ppm		89
96)	Indeno[1,2,3-cd]pyrene	15.110	276	4296570	88.39	ppm		75
97)	Dibenz(a,h)acridine	14.784	279	3351417	87.42	ppm		95
98)	Dibenz[a,h]anthracene	15.142	278	3421389	87.80	ppm		84
99)	7,12-Dimethylbenz(a)an...	13.174	256	2334071	79.83	ppm		96
100)	Benzo[g,h,i]perylene	15.506	276	3560754	91.11	ppm		77

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

7.5.7

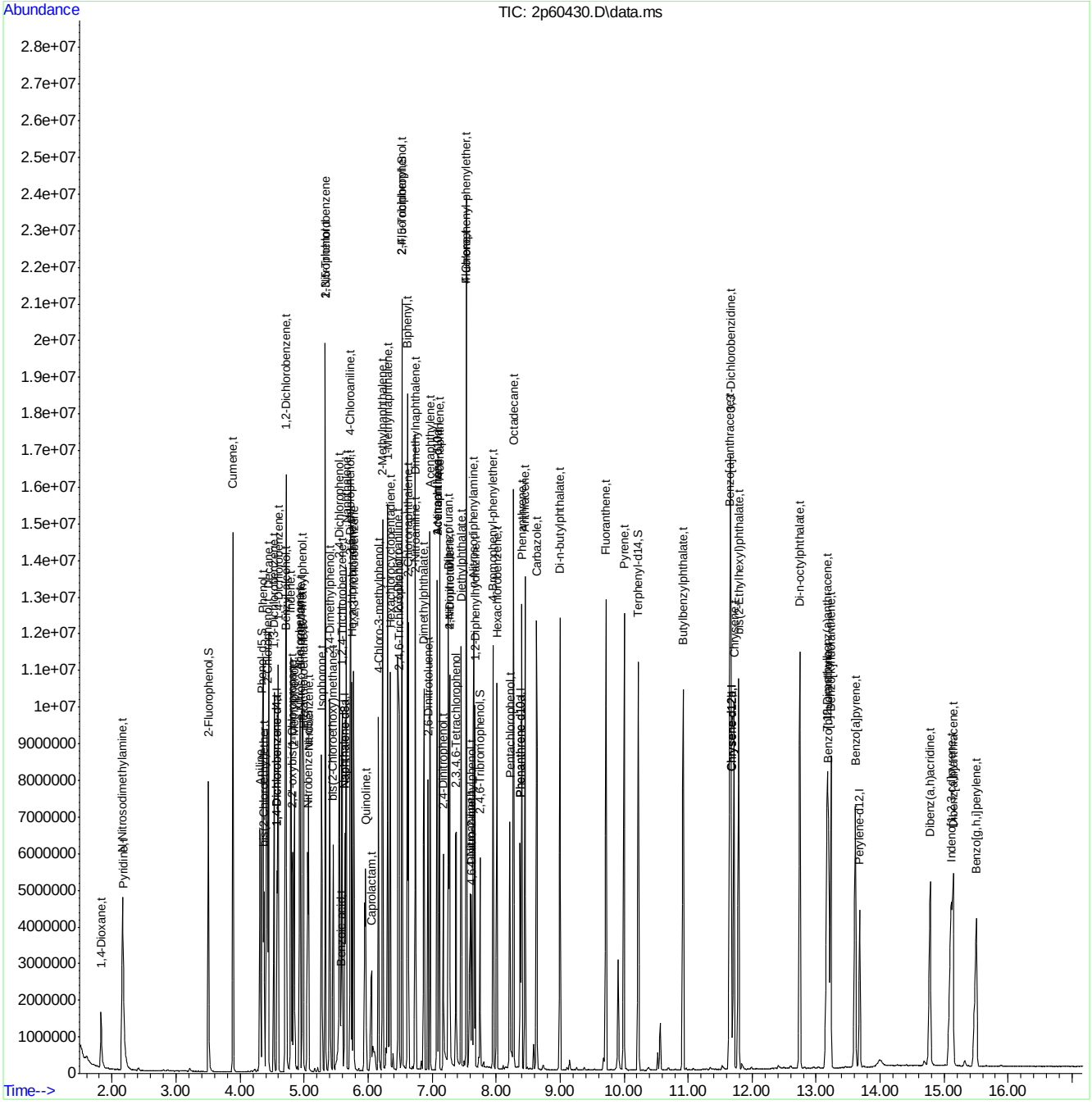
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:32:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Manual Integration Approval Summary

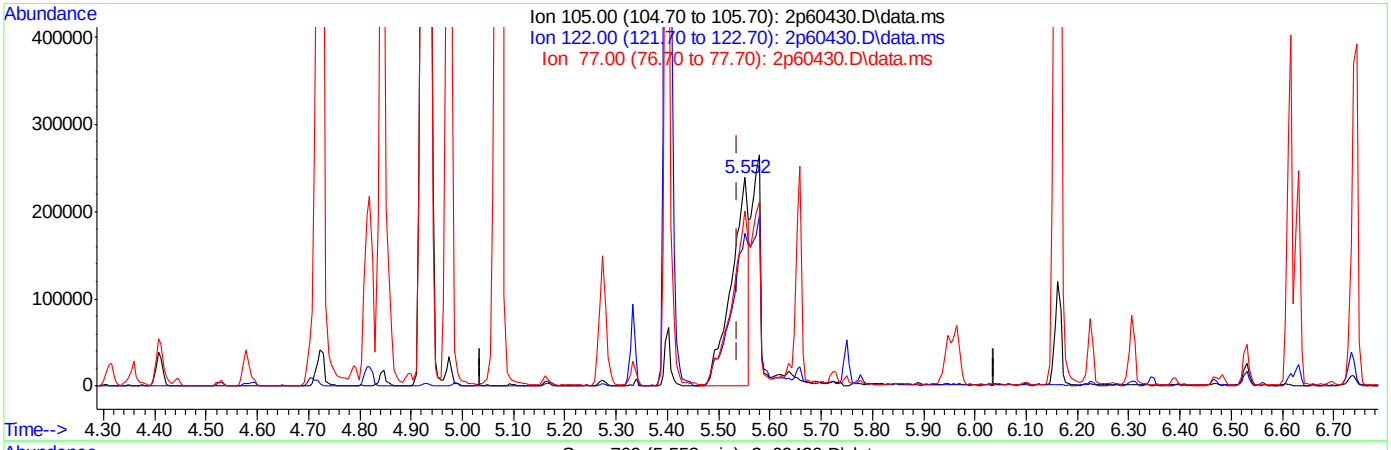
Sample Number:	E2P2635-IC2635	**Method:**	SW846 8270D
Lab FileID:	2P60430.D	**Analyst approved:**	06/23/16 16:59 Robert LaPosta
Injection Time:	06/23/16 14:41	**Supervisor approved:**	06/27/16 18:13 Nina Pandya

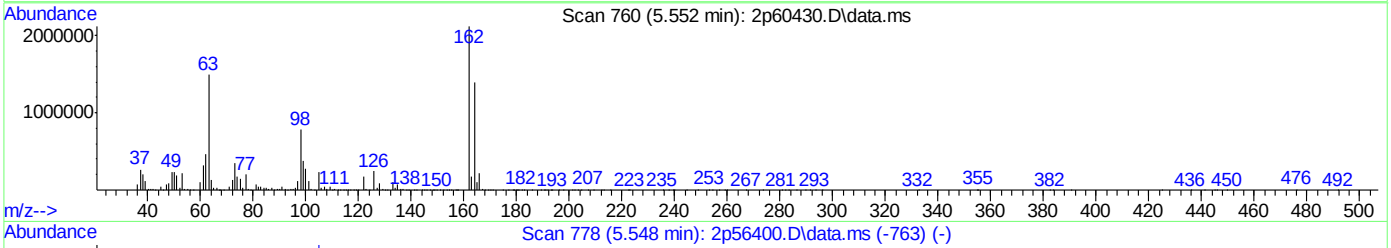
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.58	Split peak
Caprolactam	105-60-2		6.05	Split peak

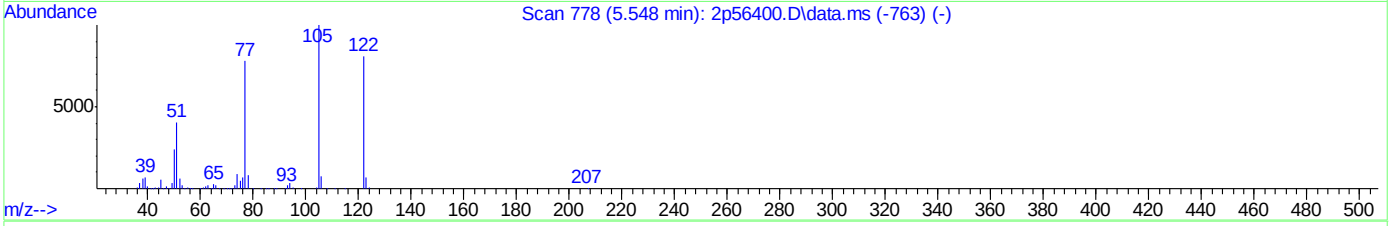
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:06:46 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration







TIC: 2p60430.D\data.ms

(31) Benzoic acid (t)

5.552min (+0.015) 51.90ppm

response 544884

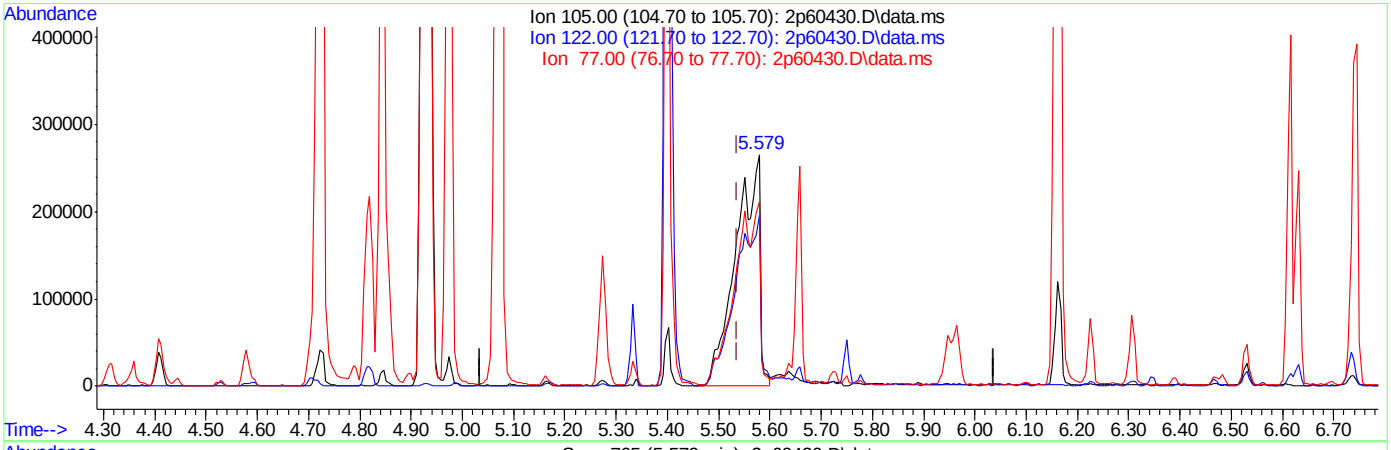
Ion	Exp%	Act%
105.00	100	100
122.00	78.30	65.42
77.00	68.20	80.17
0.00	0.00	0.00

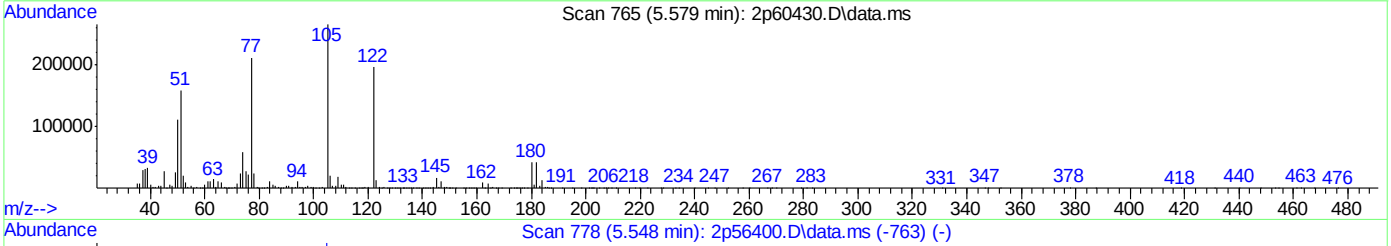
SGS ACCUTEST JC24003

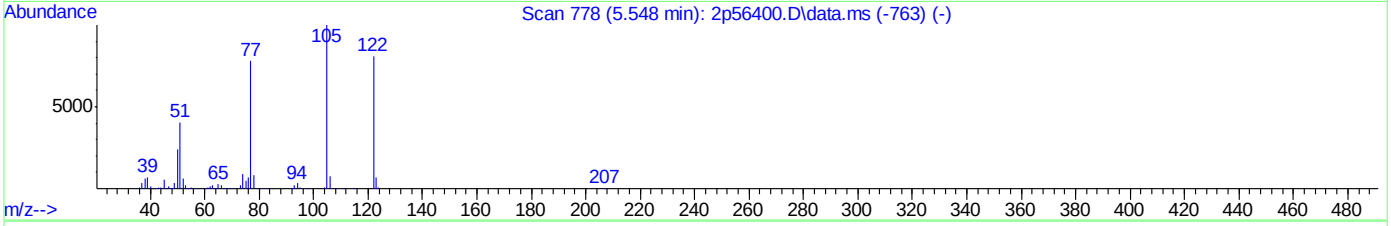
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:06:46 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration







TIC: 2p60430.D\data.ms

(31) Benzoic acid (t)

5.579min (+0.042) 82.30ppm m

response 864043

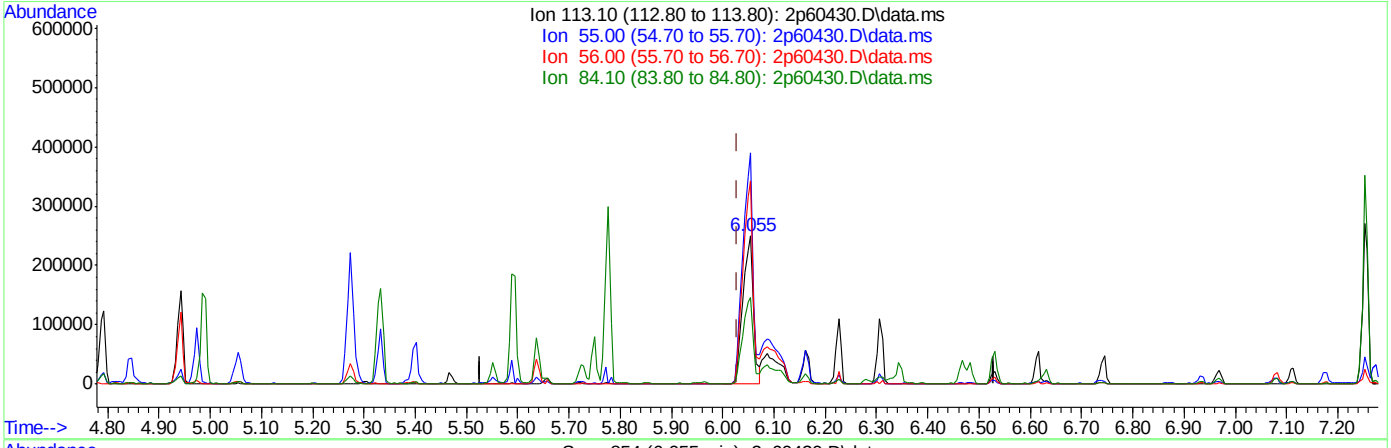
Ion	Exp%	Act%
105.00	100	100
122.00	78.30	73.93
77.00	68.20	79.59
0.00	0.00	0.00

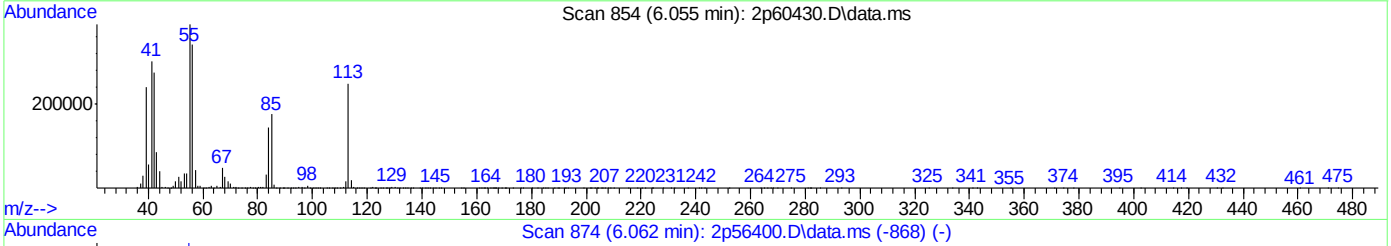
SGS ACCUTEST JC24003

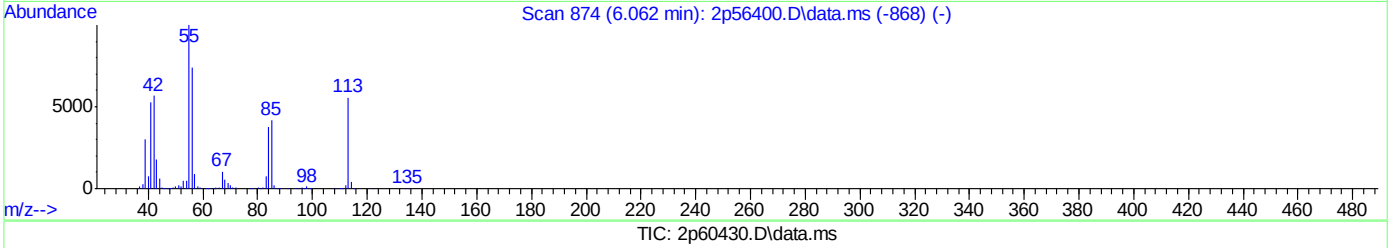
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:06:46 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration







TIC: 2p60430.D\data.ms

(41) Caprolactam (t)

6.055min (+0.026) 59.34ppm

response 347525

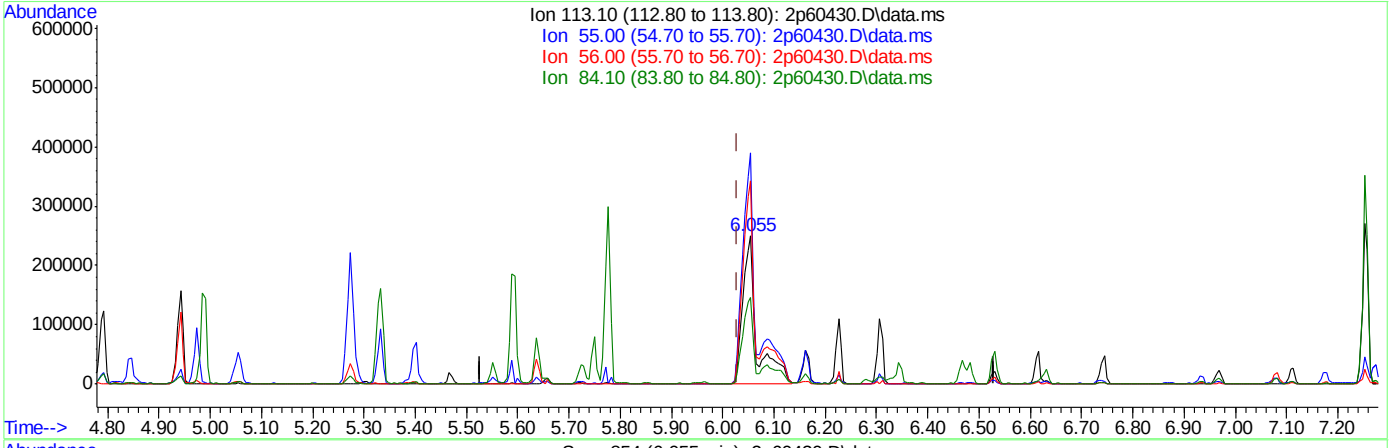
Ion	Exp%	Act%
113.10	100	100
55.00	181.20	155.35
56.00	126.60	137.21
84.10	52.30	57.89

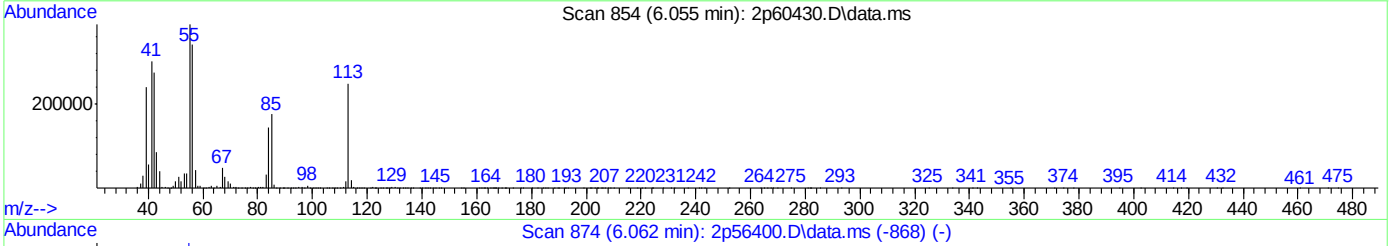
SGS ACCUTEST JC24003

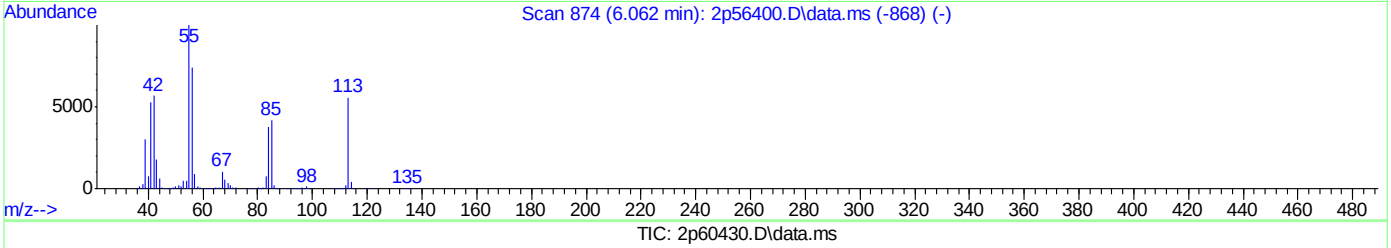
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60430.D
Acq On : 23 Jun 2016 2:41 pm
Operator : robertl1
Sample : IC2635-80
Misc : op94957,e2p2635
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 16:06:46 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration







TIC: 2p60430.D\data.ms

(41) Caprolactam (t)

6.055min (+0.026) 80.25ppm m

response 470008

Ion	Exp%	Act%
113.10	100	100
55.00	181.20	156.44
56.00	126.60	137.56
84.10	52.30	58.29

SGS ACCUTEST JC24003

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/16 18:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 16:37:14 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.578	152	589543	40.00	ppm		0.00
24) Naphthalene-d8	5.637	136	1976032	40.00	ppm		0.00
47) Acenaphthene-d10	7.082	164	1299458	40.00	ppm		0.00
69) Phenanthrene-d10	8.381	188	2192141	40.00	ppm		0.00
83) Chrysene-d12	11.676	240	2085604	40.00	ppm		0.00
91) Perylene-d12	13.687	264	1800127	40.00	ppm		0.00
101) 1,4-Dichlorobenzene-d4a	4.578	152	589543	40.00	ppm		0.00
103) Naphthalene-d8a	5.637	136	1976032	40.00	ppm	#	0.00
105) Acenaphthene-d10a	7.082	164	1299458	40.00	ppm		0.00
108) Chrysene-d12a	11.676	240	2085604	40.00	ppm		0.00
110) Phenanthrene-d10a	8.381	188	2192141	40.00	ppm		0.00
113) Chrysene-d12b	11.676	240	2085604	40.00	ppm		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.503	112	2275097	105.31	ppm		0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 210.62%#				
8) Phenol-d5	4.348	99	2393122	92.12	ppm		0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 184.24%#				
25) Nitrobenzene-d5	5.060	82	2043402	97.64	ppm		0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 195.28%#				
51) 2-Fluorobiphenyl	6.531	172	3606843	91.01	ppm		0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 182.02%#				
73) 2,4,6-Tribromophenol	7.750	330	619959	106.69	ppm		0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 213.38%#				
85) Terphenyl-d14	10.227	244	4677119	105.35	ppm		0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 210.70%#				
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm		
112) O-terphenyl	0.000	230	0d	0.00	ppm		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.829	88	816494	120.25	ppm		80
3) Pyridine	2.177	79	1996644	101.98	ppm		86
4) N-Nitrosodimethylamine	2.161	74	1135990	101.87	ppm	#	1
6) Indene	4.792	116	3151415	98.08	ppm		98
7) Cumene	3.888	105	5717541	98.83	ppm		97
9) Phenol	4.364	94	2471600	93.20	ppm		72
10) Aniline	4.316	93	2611164	91.80	ppm		98
11) bis(2-Chloroethyl)ether	4.380	93	1537634	85.75	ppm		96
12) 2-Chlorophenol	4.429	128	1888130	93.87	ppm		89
13) Decane	4.445	57	2035261	94.17	ppm		89
14) 1,3-Dichlorobenzene	4.530	146	2237714	98.38	ppm		98
15) 1,4-Dichlorobenzene	4.594	146	2207131	99.04	ppm		99
16) Benzyl alcohol	4.728	108	1086413	93.79	ppm		78
17) 1,2-Dichlorobenzene	4.717	146	2057339	97.68	ppm		99
18) Acetophenone	4.937	105	2536394	93.02	ppm		92
19) 2-Methylphenol	4.846	108	1458522	92.35	ppm		98
20) 2,2'-oxybis(1-Chloropr...	4.819	121	493943	90.71	ppm	#	68
21) 3&4-Methylphenol	4.980	108	1704678	98.77	ppm		92
22) n-Nitroso-di-n-propyla...	4.947	70	1236048	90.12	ppm		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 16:37:14 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.990	201	767866	97.09	ppm	#	75
26) Nitrobenzene	5.076	77	1908104	94.74	ppm		95
27) Quinoline	5.974	129	3716271	101.75	ppm		97
28) Isophorone	5.279	82	3458730	97.18	ppm		84
29) 2-Nitrophenol	5.333	139	1113103	106.15	ppm	#	64
30) 2,4-Dimethylphenol	5.402	107	1885207	103.53	ppm		92
31) Benzoic acid	5.595	105	1063479m	104.47	ppm		
32) bis(2-Chloroethoxy)met...	5.456	93	1851116	97.25	ppm		96
33) 2,4-Dichlorophenol	5.557	162	1715607	109.72	ppm		98
34) 2,6-Dichlorophenol	5.728	162	1572307	106.77	ppm		96
35) 1,3,5-Trichlorobenzene	5.333	180	1965451	104.09	ppm		99
36) 1,2,4-Trichlorobenzene	5.595	180	1750541	102.68	ppm		97
37) 1,2,3-Trichlorobenzene	5.776	180	1636689	103.99	ppm		93
38) Naphthalene	5.659	128	5113136	103.38	ppm		97
39) 4-Chloroaniline	5.728	127	2202994	107.08	ppm		97
40) 2,3-Dichloroaniline	6.472	161	2078020	106.20	ppm		90
41) Caprolactam	6.065	113	570483m	100.46	ppm		
42) Hexachlorobutadiene	5.755	225	1016181	102.55	ppm		96
43) 4-Chloro-3-methylphenol	6.167	107	1805148	101.35	ppm		97
44) 2-Methylnaphthalene	6.226	141	3154579	100.16	ppm		91
45) 1-Methylnaphthalene	6.311	141	3255634	100.67	ppm		97
46) Dimethylnaphthalene	6.745	156	3162792	105.13	ppm		93
48) Hexachlorocyclopentadiene	6.349	237	1745426	254.64	ppm		93
49) 2,4,6-Trichlorophenol	6.488	196	1091765	94.42	ppm		94
50) 2,4,5-Trichlorophenol	6.536	196	1096106	90.46	ppm		95
52) 2-Chloronaphthalene	6.632	162	3101652	92.88	ppm		96
53) Biphenyl	6.616	154	4499350	95.56	ppm		94
54) 2-Nitroaniline	6.739	65	1334641	91.32	ppm		98
55) Dimethylphthalate	6.878	163	4007935	96.61	ppm		99
56) Acenaphthylene	6.969	152	5346471	90.62	ppm		99
57) 2,6-Dinitrotoluene	6.937	165	924635	92.98	ppm		93
58) 3-Nitroaniline	7.082	138	1043923	93.17	ppm		78
59) Acenaphthene	7.114	153	3398471	91.83	ppm		97
60) 2,4-Dinitrophenol	7.183	184	845352	240.61	ppm	#	100
61) 4-Nitrophenol	7.279	109	404547	95.64	ppm	#	83
62) Dibenzofuran	7.258	168	4912334	92.71	ppm		94
63) 2,4-Dinitrotoluene	7.274	165	1178994	91.66	ppm	#	57
64) 2,3,4,6-Tetrachlorophenol	7.376	232	820821	102.56	ppm		95
65) Diethylphthalate	7.456	149	4055073	92.67	ppm		94
66) Fluorene	7.542	166	3666590	86.98	ppm		96
67) 4-Chlorophenyl-phenyle...	7.536	204	1766154	87.42	ppm		100
68) 4-Nitroaniline	7.606	138	926658	93.41	ppm		80
70) 4,6-Dinitro-2-methylph...	7.627	198	659136	110.86	ppm		88
71) n-Nitrosodiphenylamine	7.654	169	2530260	98.39	ppm		93
72) 1,2-Diphenylhydrazine	7.675	77	4031568	97.98	ppm		92
74) 4-Bromophenyl-phenylether	7.959	248	1313094	102.41	ppm		95
75) Hexachlorobenzene	8.012	284	1405222	99.13	ppm		87
76) Pentachlorophenol	8.221	266	872314	258.72	ppm		98
77) Phenanthrene	8.408	178	5479843	97.45	ppm		98
78) Anthracene	8.456	178	5484174	98.82	ppm		98

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 16:37:14 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79)	Carbazole	8.638	167	5521025	96.82	ppm		96
80)	Di-n-butylphthalate	9.002	149	7694542	99.46	ppm		99
81)	Fluoranthene	9.724	202	7334692	96.83	ppm		91
82)	Octadecane	8.274	43	2759870	96.86	ppm	#	80
84)	Pyrene	10.007	202	6999206	99.81	ppm		97
86)	Butylbenzylphthalate	10.927	149	3561740	104.95	ppm		98
87)	Benzo[a]anthracene	11.660	228	6693270	104.17	ppm		100
88)	3,3'-Dichlorobenzidine	11.671	252	2467079	95.50	ppm		98
89)	Chrysene	11.724	228	5429657	101.81	ppm		99
90)	bis(2-Ethylhexyl)phtha...	11.794	149	3904124	100.13	ppm		99
92)	Di-n-octylphthalate	12.751	149	8020763	99.10	ppm		99
93)	Benzo[b]fluoranthene	13.206	252	6039508	100.27	ppm		87
94)	Benzo[k]fluoranthene	13.238	252	4724640	88.78	ppm		88
95)	Benzo[a]pyrene	13.618	252	5198935	100.44	ppm		89
96)	Indeno[1,2,3-cd]pyrene	15.110	276	5386196	113.40	ppm		75
97)	Dibenz(a,h)acridine	14.794	279	4147789	110.73	ppm		92
98)	Dibenz[a,h]anthracene	15.147	278	4300683	112.95	ppm		84
99)	7,12-Dimethylbenz(a)an...	13.168	256	2821311	98.76	ppm		97
100)	Benzo[g,h,i]perylene	15.516	276	4333189	113.48	ppm		76

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

7.5.8

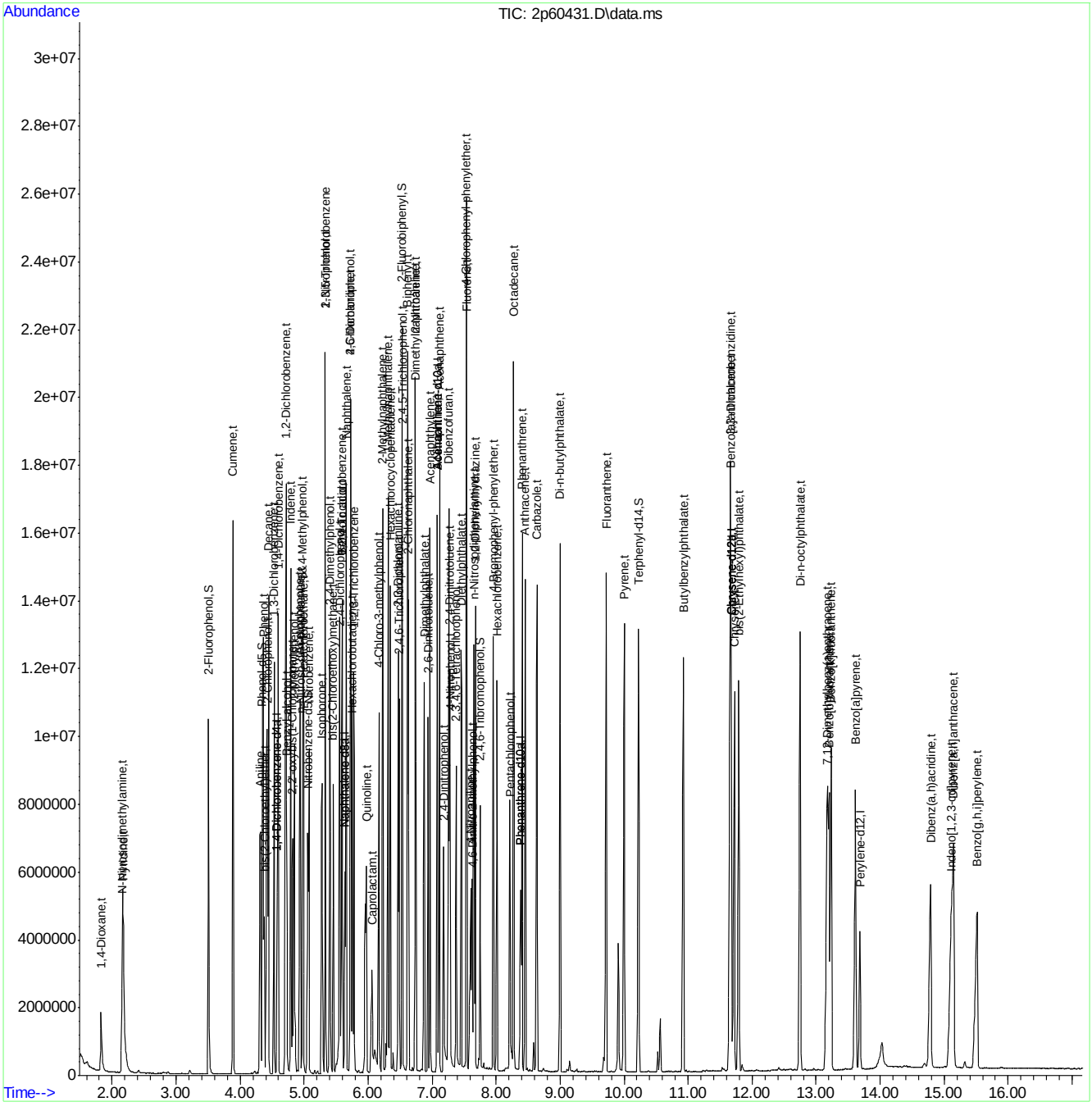
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 16:37:14 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Manual Integration Approval Summary

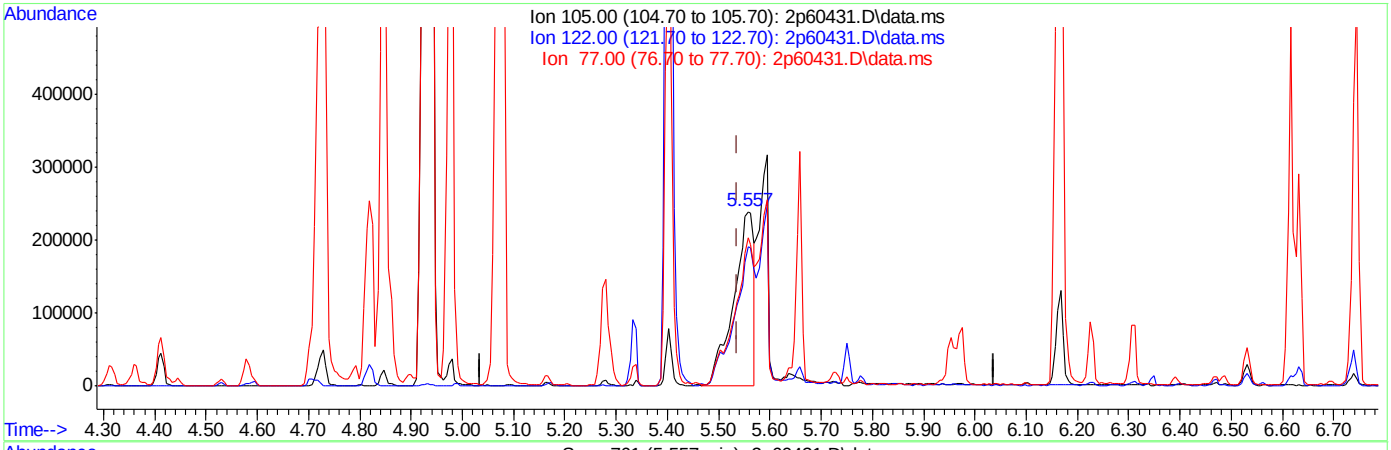
Sample Number:	E2P2635-IC2635	**Method:**	SW846 8270D
Lab FileID:	2P60431.D	**Analyst approved:**	06/23/16 16:59 Robert LaPosta
Injection Time:	06/23/16 15:05	**Supervisor approved:**	06/27/16 18:13 Nina Pandya

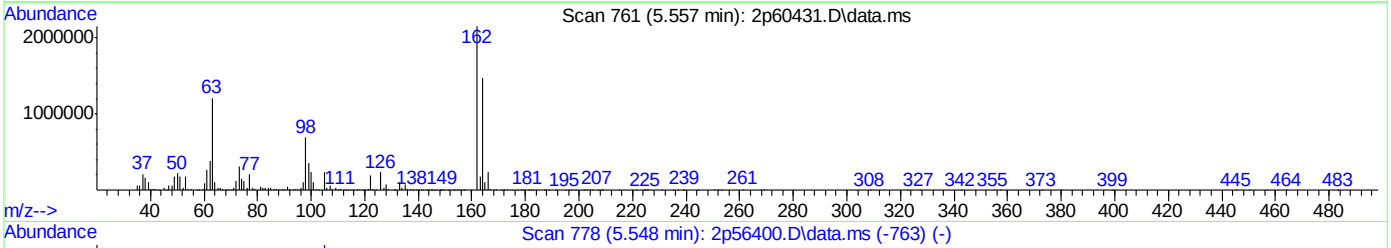
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.59	Split peak
Caprolactam	105-60-2		6.07	Split peak

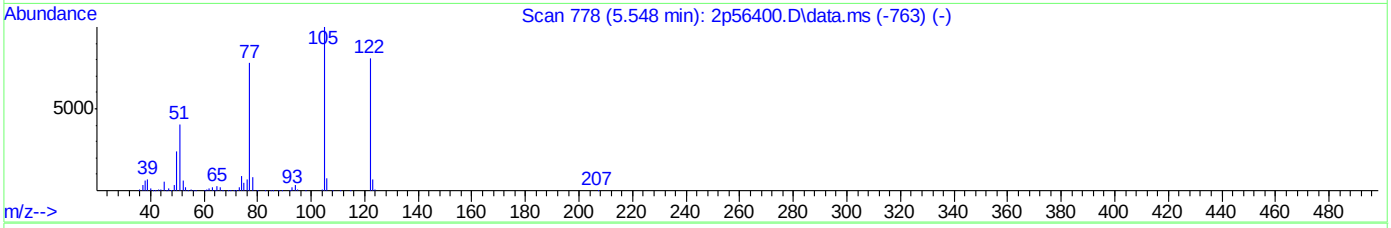
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 15:58:14 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:57 2016
Response via : Initial Calibration







TIC: 2p60431.D\data.ms

(31) Benzoic acid (t)

5.557min (+0.020) 62.08ppm

response 632003

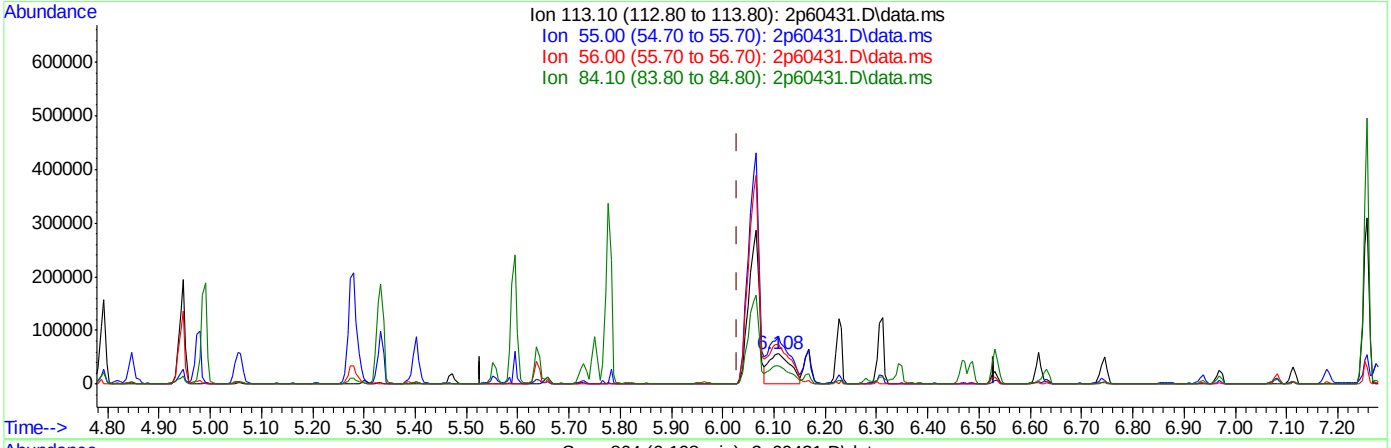
Ion	Exp%	Act%
105.00	100	100
122.00	78.30	78.39
77.00	68.20	85.67
0.00	0.00	0.00

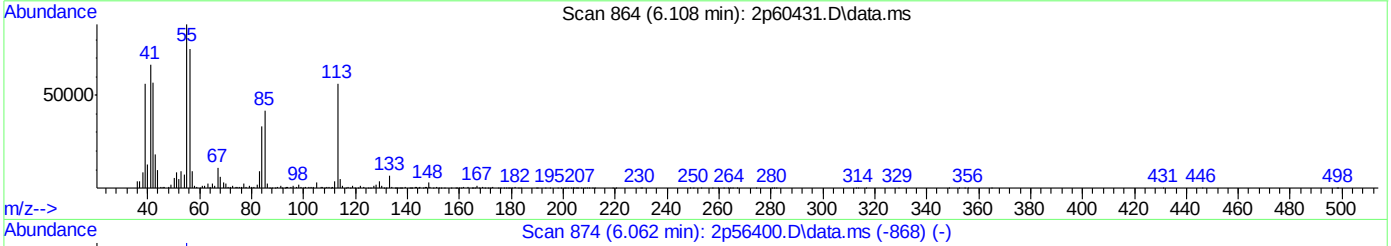
SGS ACCUTEST JC24003

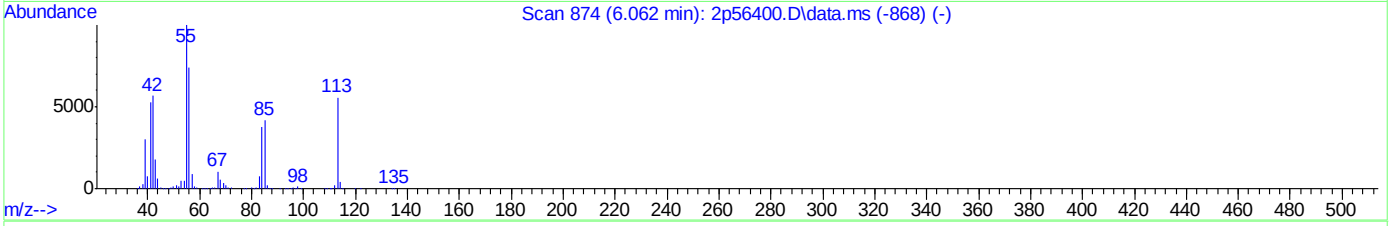
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 15:58:14 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:57 2016
Response via : Initial Calibration







TIC: 2p60431.D\data.ms

(41) Caprolactam (t)

6.108min (+0.079) 29.13ppm

response 165427

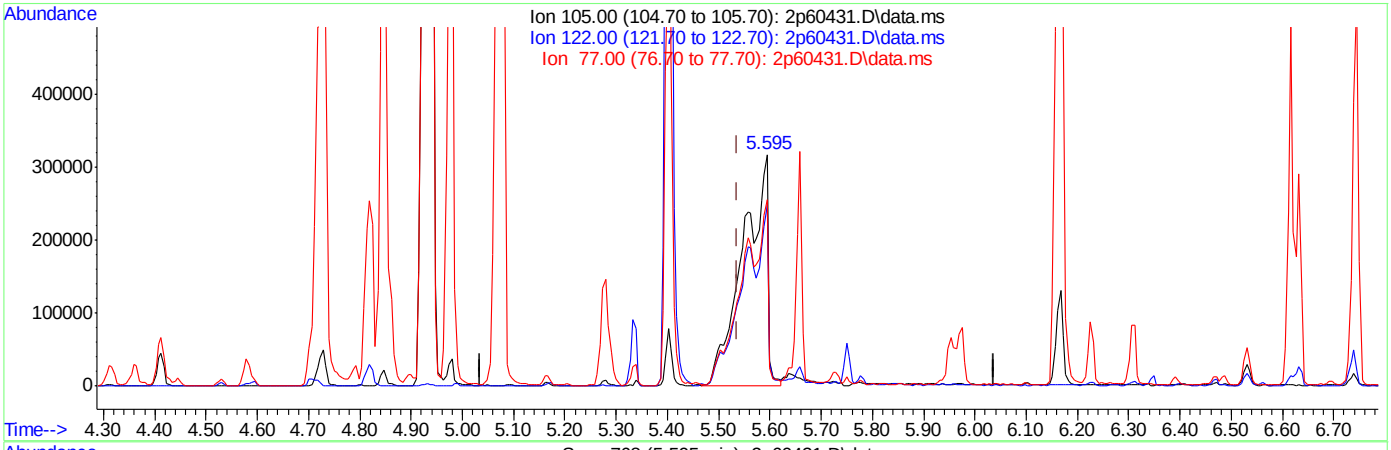
Ion	Exp%	Act%
113.10	100	100
55.00	181.20	158.76
56.00	126.60	138.03
84.10	52.30	59.69

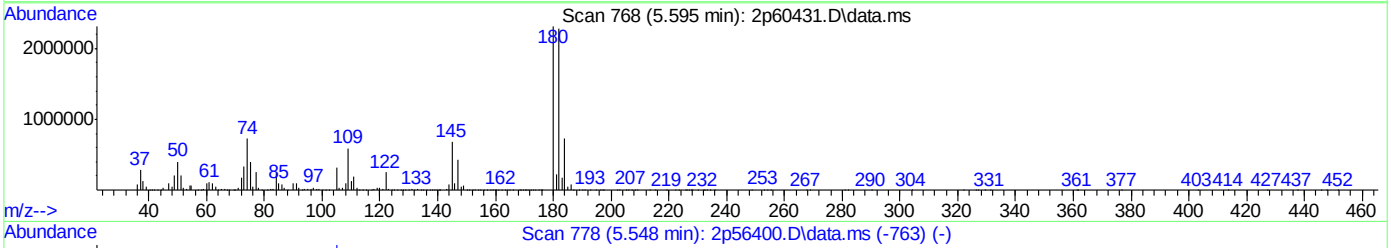
SGS ACCUTEST JC24003

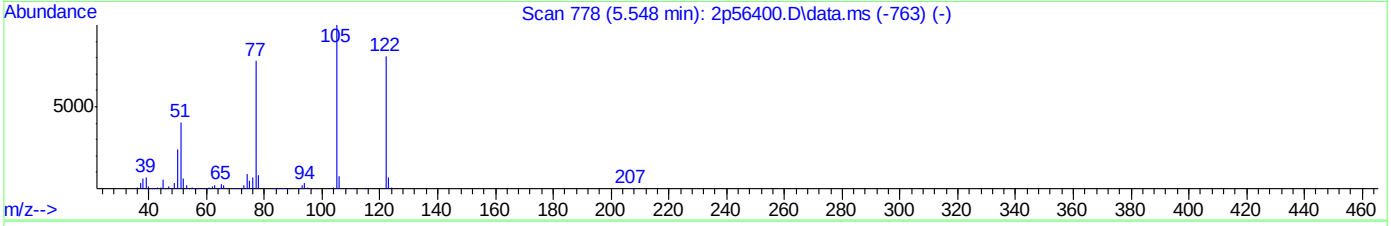
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 16:36:00 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration







TIC: 2p60431.D\data.ms

(31) Benzoic acid (t)

5.595min (+0.058) 104.47ppm m

response 1063479

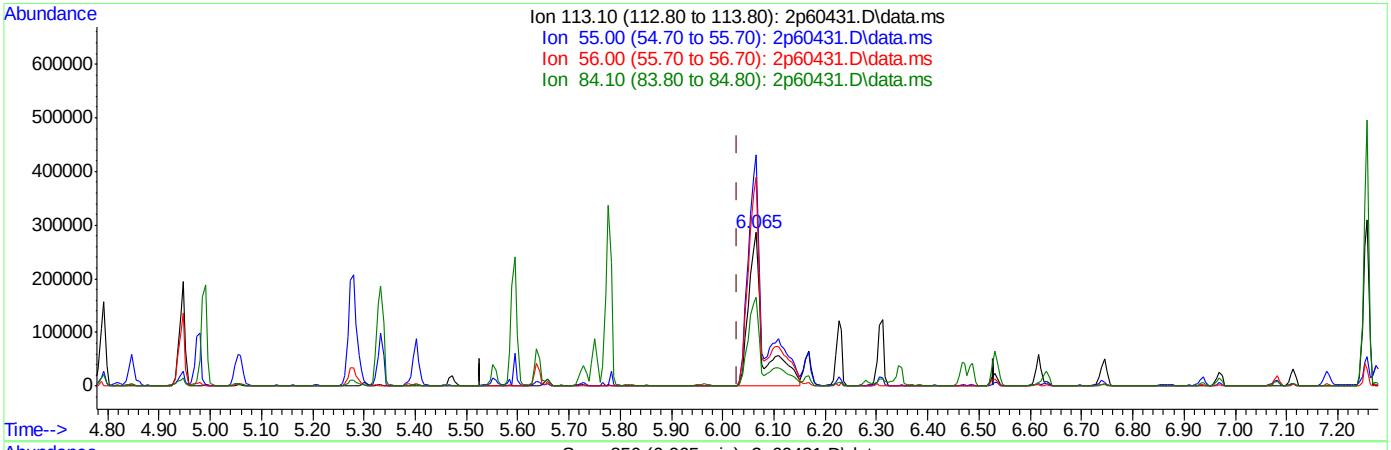
Ion	Exp%	Act%
105.00	100	100
122.00	78.30	78.20
77.00	68.20	80.35
0.00	0.00	0.00

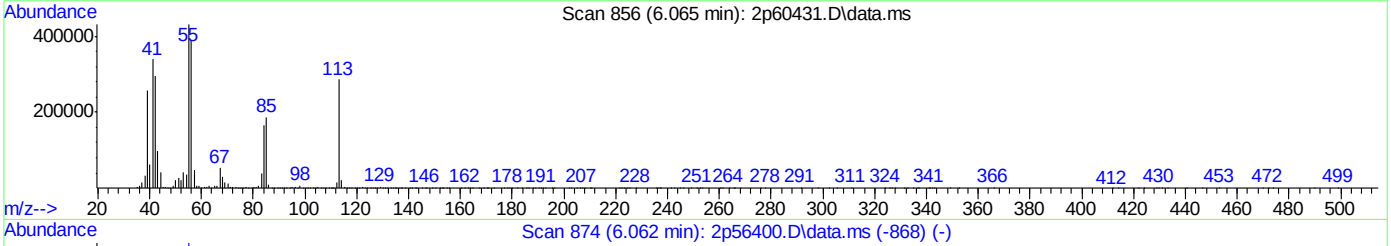
SGS ACCUTEST JC24003

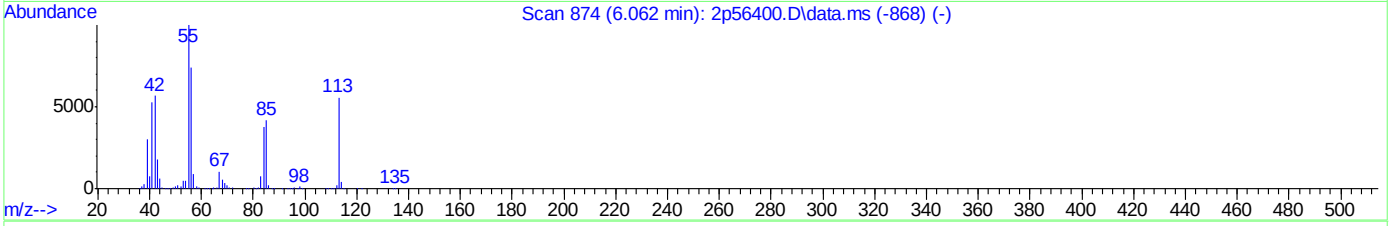
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P2635\
Data File : 2p60431.D
Acq On : 23 Jun 2016 3:05 pm
Operator : robertl1
Sample : IC2635-100
Misc : op94957,e2p2635
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 16:36:00 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 23 15:44:58 2016
Response via : Initial Calibration







TIC: 2p60431.D\data.ms

(41) Caprolactam (t)

6.065min (+0.036) 100.46ppm m

response 570483

Ion	Exp%	Act%
113.10	100	100
55.00	181.20	150.61#
56.00	126.60	136.12
84.10	52.30	57.71

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60442.D
Acq On : 23 Jun 2016 8:44 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:38:28 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	435425	40.00	ppm	0.00
24) Naphthalene-d8	5.627	136	1627752	40.00	ppm	-0.01
47) Acenaphthene-d10	7.076	164	882946	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	1487214	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	1717495	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1189119	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	435425	40.00	ppm	0.00
103) Naphthalene-d8a	5.627	136	1627752	40.00	ppm	#-0.01
105) Acenaphthene-d10a	7.076	164	882946	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	1717495	40.00	ppm	-0.02
110) Phenanthrene-d10a	8.365	188	1487214	40.00	ppm	-0.01
113) Chrysene-d12b	11.649	240	1717495	40.00	ppm	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery	=	0.00%#	
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery	=	0.00%#	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery	=	0.00%#	
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery	=	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery	=	0.00%#	
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery	=	0.00%#	
111) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.834	88	292501	54.76	ppm	97
6) Indene	4.787	116	1330242	55.65	ppm	96
7) Cumene	3.888	105	2058507	50.74	ppm	95
13) Decane	4.439	57	834645	52.67	ppm	86
18) Acetophenone	4.915	105	1021599	51.76	ppm	96
27) Quinoline	5.926	129	1268619	41.86	ppm	96
40) 2,3-Dichloroaniline	6.461	161	592637	34.79	ppm	89
41) Caprolactam	5.990	113	197748	42.85	ppm #	88
45) 1-Methylnaphthalene	6.301	141	1290543	46.42	ppm	91
46) Dimethylnaphthalene	6.734	156	1266891	47.67	ppm	89
48) Hexachlorocyclopentadiene	6.343	237	233122	47.03	ppm	94
53) Biphenyl	6.605	154	1756806	52.74	ppm	95
60) 2,4-Dinitrophenol	7.162	184	84797	39.11	ppm #	100
82) Octadecane	8.264	43	1079295	57.13	ppm #	70
99) 7,12-Dimethylbenz(a)an...	13.147	256	1154583	67.38	ppm	97

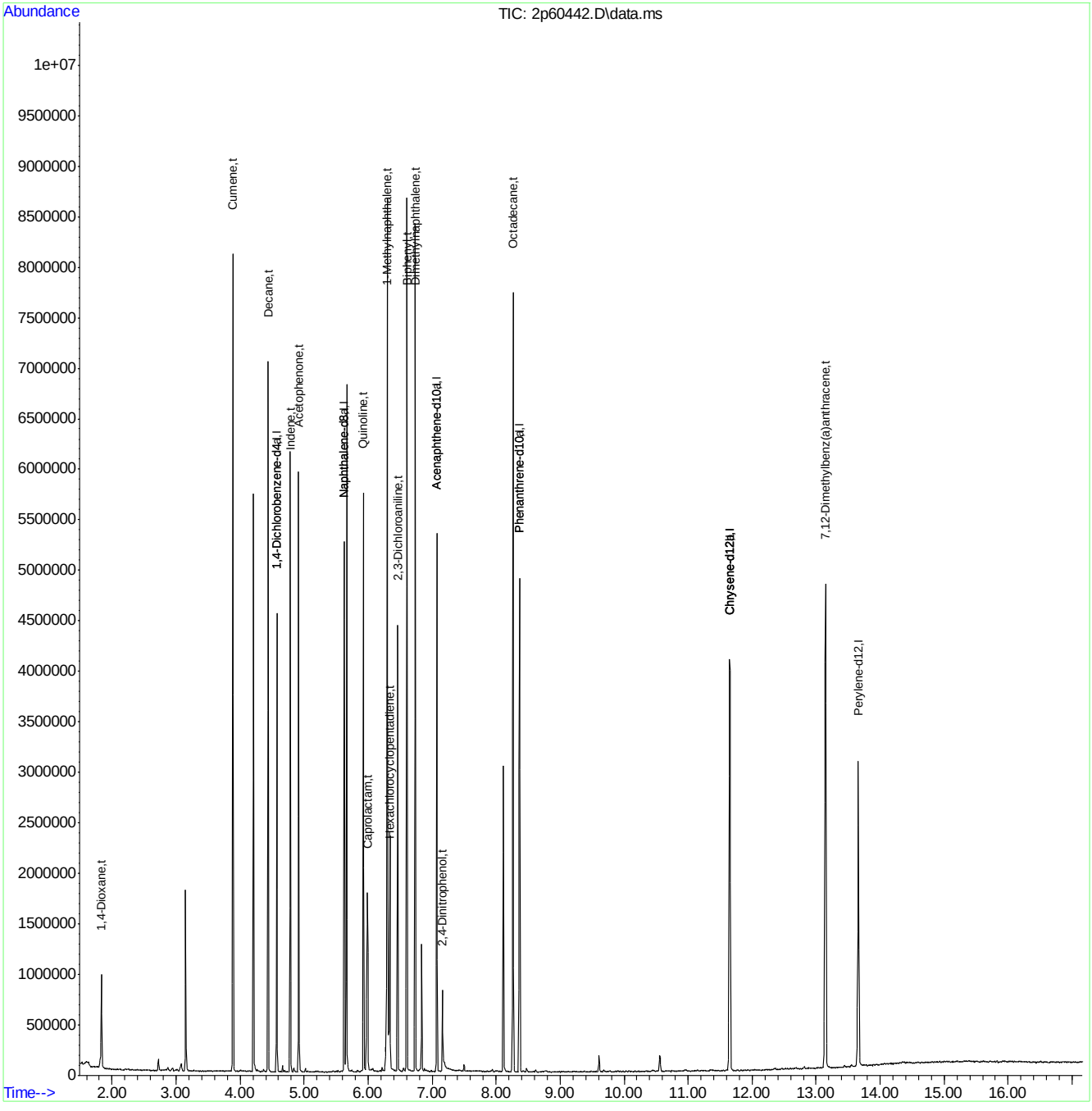
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60442.D
Acq On : 23 Jun 2016 8:44 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:38:28 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60443.D
Acq On : 23 Jun 2016 9:08 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 15:39:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	573609	40.00	ppm	0.00
24) Naphthalene-d8	5.627	136	2088195	40.00	ppm	-0.01
47) Acenaphthene-d10	7.076	164	1205687	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	2060172	40.00	ppm	-0.01
83) Chrysene-d12	11.655	240	2101236	40.00	ppm	-0.01
91) Perylene-d12	13.666	264	1791035	40.00	ppm	-0.01
101) 1,4-Dichlorobenzene-d4a	4.573	152	573609	40.00	ppm	0.00
103) Naphthalene-d8a	5.627	136	2088195	40.00	ppm	#-0.01
105) Acenaphthene-d10a	7.076	164	1205687	40.00	ppm	0.00
108) Chrysene-d12a	11.655	240	2101236	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	2060172	40.00	ppm	-0.01
113) Chrysene-d12b	11.655	240	2101236	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.503	112	818620	40.75	ppm	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 81.50%#			
8) Phenol-d5	4.332	99	975455	41.63	ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 83.26%#			
25) Nitrobenzene-d5	5.044	82	994009	44.45	ppm	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 88.90%#			
51) 2-Fluorobiphenyl	6.520	172	1969199	50.22	ppm	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 100.44%#			
73) 2,4,6-Tribromophenol	7.739	330	283679	49.51	ppm	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 99.02%#			
85) Terphenyl-d14	10.211	244	1987094	42.71	ppm	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 85.42%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	

Target Compounds Qvalue

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

7.5.10

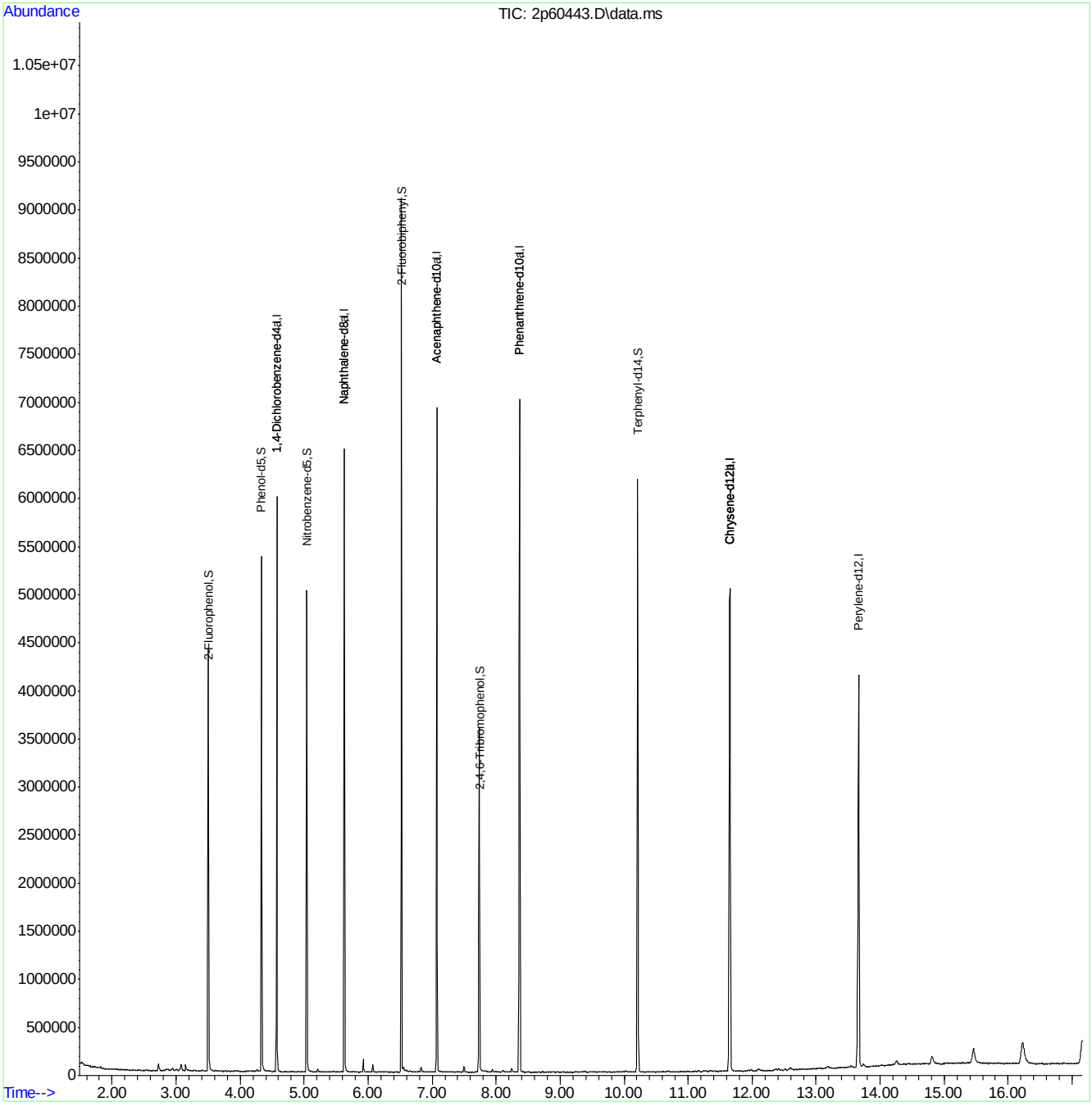
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60443.D
Acq On : 23 Jun 2016 9:08 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 15:39:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60444.D
Acq On : 23 Jun 2016 9:31 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 27 15:41:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	493147	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	1867570	40.00	ppm	0.00
47) Acenaphthene-d10	7.071	164	1043238	40.00	ppm	-0.01
69) Phenanthrene-d10	8.365	188	1888936	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	1903089	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1528613	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.578	152	493147	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	1867570	40.00	ppm	0.00
105) Acenaphthene-d10a	7.071	164	1043238	40.00	ppm	-0.01
108) Chrysene-d12a	11.649	240	1903089	40.00	ppm	-0.02
110) Phenanthrene-d10a	8.365	188	1888936	40.00	ppm	-0.01
113) Chrysene-d12b	11.649	240	1903089	40.00	ppm	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
3) Pyridine	2.311	79	689225	46.33	ppm	85
10) Aniline	4.316	93	1102947	47.58	ppm	89
16) Benzyl alcohol	4.717	108	450376	46.91	ppm	76
39) 4-Chloroaniline	5.707	127	854381	41.81	ppm	95
44) 2-Methylnaphthalene	6.220	141	1229051	40.79	ppm	91
54) 2-Nitroaniline	6.723	65	470077	40.91	ppm	93
58) 3-Nitroaniline	7.065	138	374153	41.91	ppm	90
62) Dibenzofuran	7.247	168	1903308	45.03	ppm	92
68) 4-Nitroaniline	7.568	138	338298	41.03	ppm	98
79) Carbazole	8.622	167	1974046	39.96	ppm	94

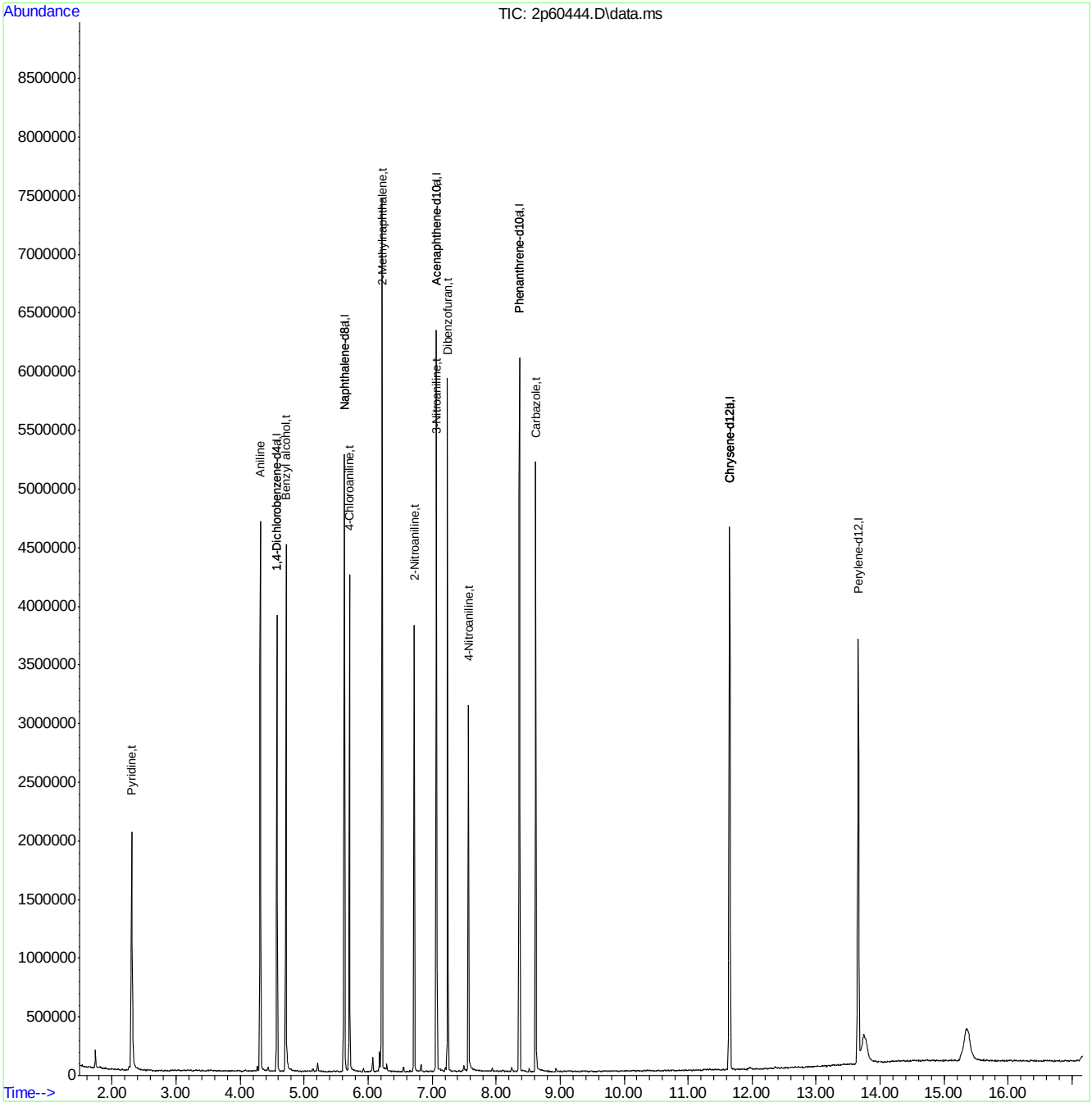
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60444.D
Acq On : 23 Jun 2016 9:31 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 27 15:41:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



M2P2635.M Mon Jun 27 15:41:16 2016 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60445.D
Acq On : 23 Jun 2016 9:55 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 15:43:00 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	518156	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	1660897	40.00	ppm	0.00
47) Acenaphthene-d10	7.071	164	1107109	40.00	ppm	-0.01
69) Phenanthrene-d10	8.365	188	1871521	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	1977419	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1748549	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	518156	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	1660897	40.00	ppm	0.00
105) Acenaphthene-d10a	7.071	164	1107109	40.00	ppm	-0.01
108) Chrysene-d12a	11.649	240	1977419	40.00	ppm	-0.02
110) Phenanthrene-d10a	8.365	188	1871521	40.00	ppm	-0.01
113) Chrysene-d12b	11.649	240	1977419	40.00	ppm	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
9) Phenol	4.343	94	948910	42.94	ppm	61
12) 2-Chlorophenol	4.412	128	838171	46.34	ppm	90
19) 2-Methylphenol	4.830	108	679351	48.64	ppm	97
21) 3&4-Methylphenol	4.963	108	702312	45.16	ppm	91
29) 2-Nitrophenol	5.322	139	430019	46.51	ppm	82
30) 2,4-Dimethylphenol	5.386	107	820559	54.22	ppm	89
31) Benzoic acid	5.525	105	388890	49.61	ppm	91
33) 2,4-Dichlorophenol	5.541	162	640915	45.22	ppm	95
34) 2,6-Dichlorophenol	5.712	162	608088	46.95	ppm	98
43) 4-Chloro-3-methylphenol	6.140	107	698246	46.47	ppm	98
49) 2,4,6-Trichlorophenol	6.466	196	500146	47.96	ppm	97
50) 2,4,5-Trichlorophenol	6.509	196	466110	43.64	ppm	96
60) 2,4-Dinitrophenol	7.162	184	112762	40.83	ppm #	100
61) 4-Nitrophenol	7.253	109	209191	58.36	ppm #	66
64) 2,3,4,6-Tetrachlorophenol	7.360	232	356123	52.39	ppm	97
70) 4,6-Dinitro-2-methylph...	7.595	198	253332	46.08	ppm	91
76) Pentachlorophenol	8.199	266	136020	50.49	ppm	97

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60445.D
Acq On : 23 Jun 2016 9:55 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 15:43:00 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

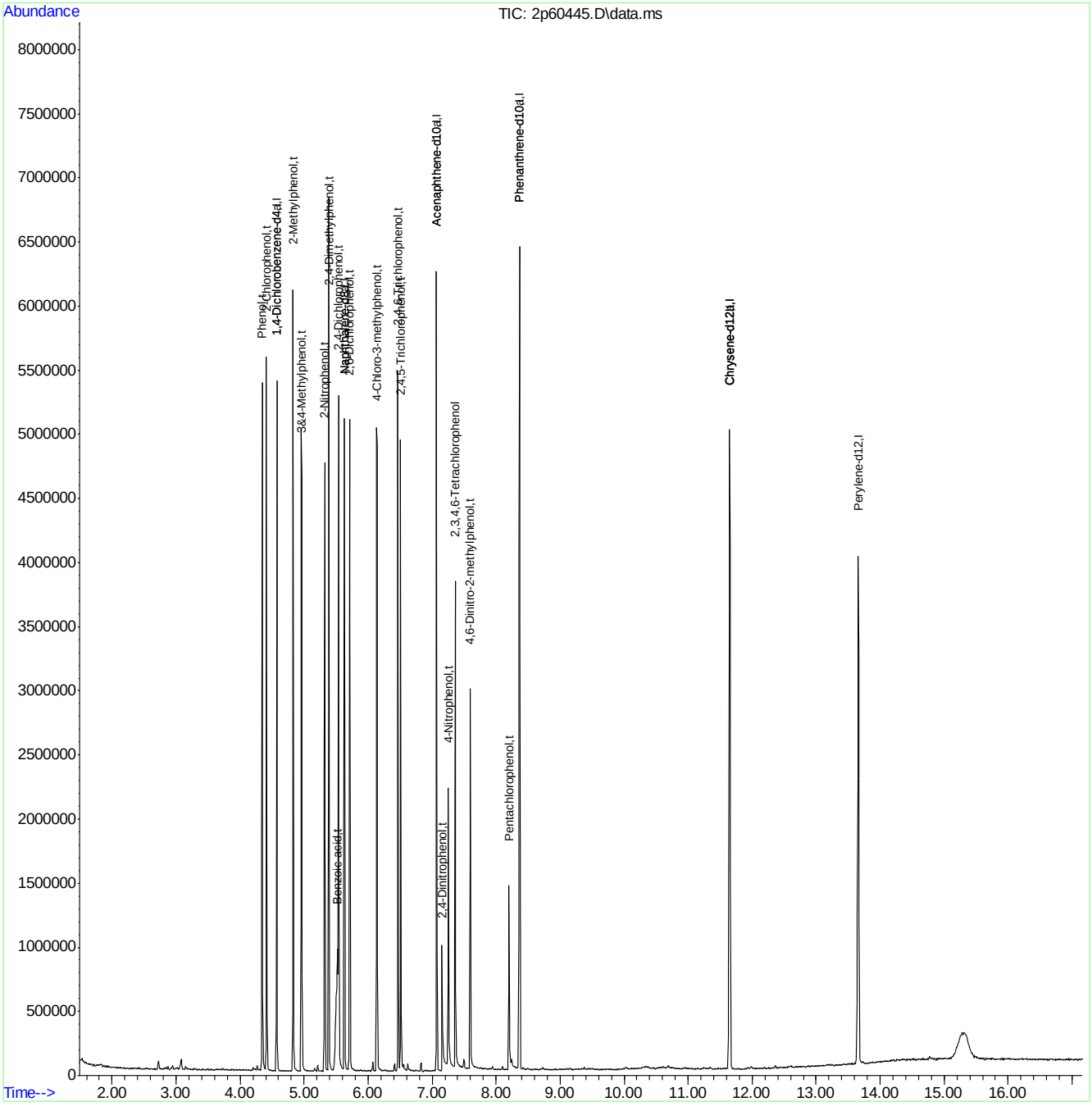
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2636\
Data File : 2p60445.D
Acq On : 23 Jun 2016 9:55 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2636
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 15:43:00 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60449.D
Acq On : 24 Jun 2016 11:11 am
Operator : robertl1
Sample : ICC2637-50
Misc : op94957,e2p2637
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 12:38:02 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	683411	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2401233	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1365569	40.00	ppm	0.00
69) Phenanthrene-d10	8.371	188	2257035	40.00	ppm	0.00
83) Chrysene-d12	11.655	240	2285780	40.00	ppm	-0.02
91) Perylene-d12	13.666	264	1997025	40.00	ppm	-0.01
101) 1,4-Dichlorobenzene-d4a	4.573	152	683411	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2401233	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1365569	40.00	ppm	0.00
108) Chrysene-d12a	11.655	240	2285780	40.00	ppm	0.00
110) Phenanthrene-d10a	8.371	188	2257035	40.00	ppm	0.00
113) Chrysene-d12b	11.655	240	2285780	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery	=	0.00%#	
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery	=	0.00%#	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery	=	0.00%#	
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery	=	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery	=	0.00%#	
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery	=	0.00%#	
111) 1-chlorooctadecane	9.601	57	863046	43.52	ppm	0.00
112) O-terphenyl	8.756	230	1592752	43.88	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	684632	39.60	ppm	91
104) Hydroquinone	6.039	110	894117	47.96	ppm #	75
106) Atrazine	8.125	215	311862	44.02	ppm #	77
107) 1,2,4,5-Tetrachloroben...	6.360	216	1005325	41.82	ppm	98
109) Benzidine	9.906	184	1318942	51.34	ppm	97

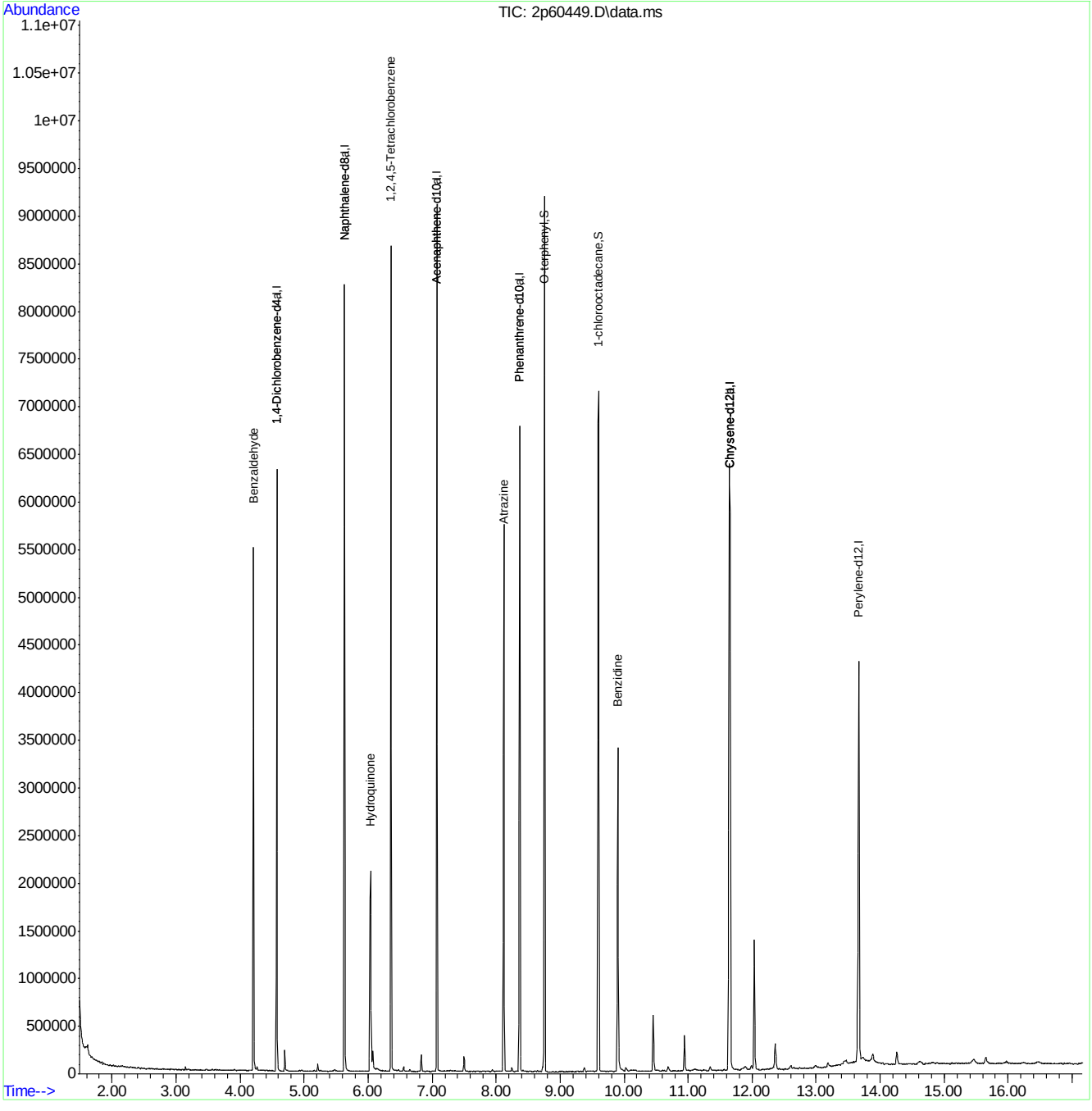
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60449.D
Acq On : 24 Jun 2016 11:11 am
Operator : robertl1
Sample : ICC2637-50
Misc : op94957,e2p2637
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 12:38:02 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60450.D
Acq On : 24 Jun 2016 11:35 am
Operator : robertl1
Sample : IC2637-1
Misc : op94957,e2p2637
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 12:38:59 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	582804	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2007635	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1196123	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	2050582	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	2068339	40.00	ppm	-0.02
91) Perylene-d12	13.666	264	1833532	40.00	ppm	-0.01
101) 1,4-Dichlorobenzene-d4a	4.573	152	582804	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2007635	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1196123	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	2068339	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	2050582	40.00	ppm	0.00
113) Chrysene-d12b	11.649	240	2068339	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	9.595	57	14468	0.80	ppm	0.00
112) O-terphenyl	8.750	230	29492	0.89	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	14273	0.97	ppm	87
104) Hydroquinone	6.033	110	9695	0.62	ppm #	87
106) Atrazine	8.108	215	5334	0.86	ppm #	75
107) 1,2,4,5-Tetrachloroben...	6.359	216	19896	0.94	ppm	95
109) Benzidine	9.895	184	18391	0.79	ppm	94

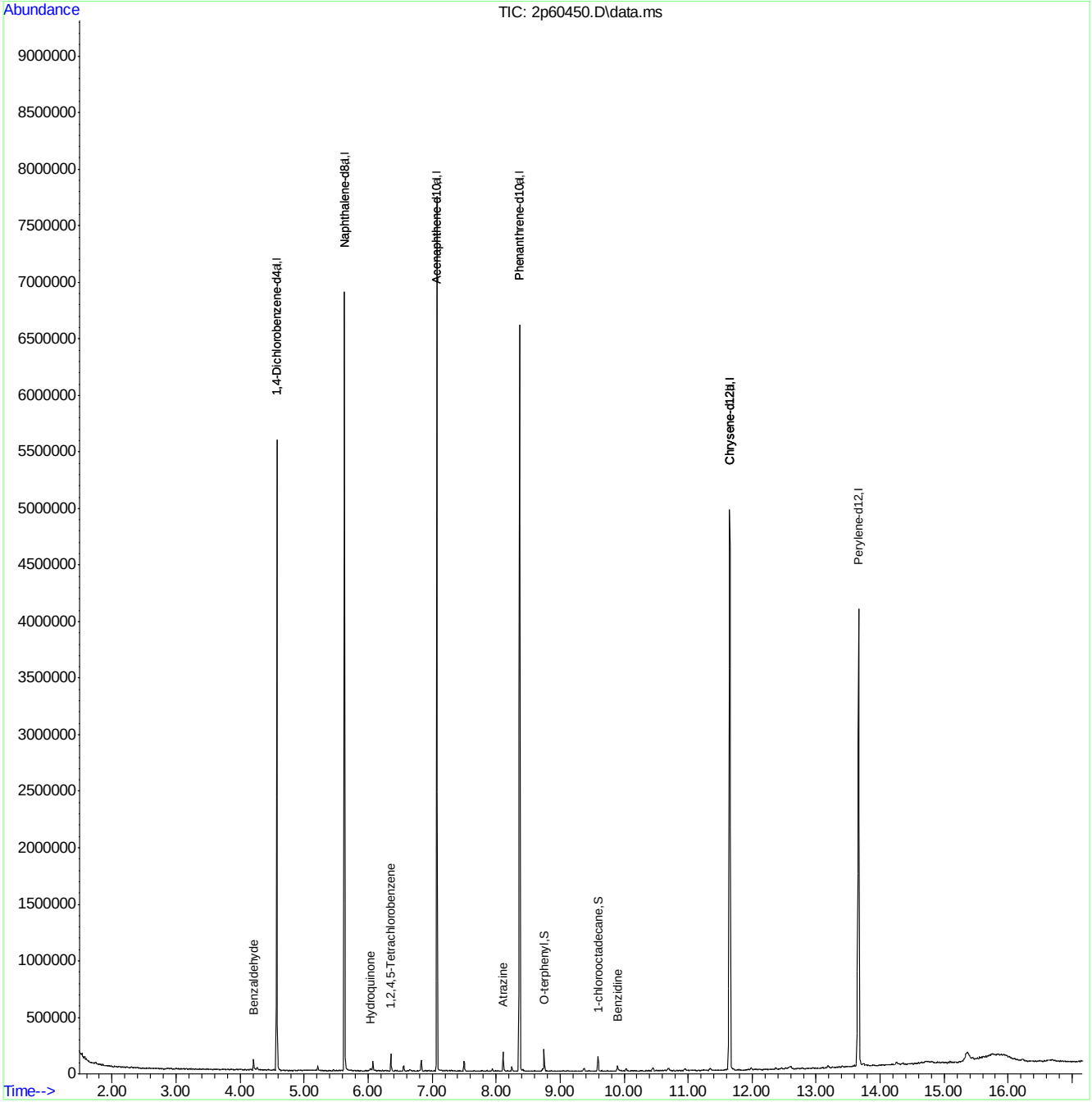
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60450.D
Acq On : 24 Jun 2016 11:35 am
Operator : robertl1
Sample : IC2637-1
Misc : op94957,e2p2637
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 12:38:59 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60451.D
Acq On : 24 Jun 2016 11:59 am
Operator : robertl1
Sample : IC2637-100
Misc : op94957,e2p2637
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:06:31 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	461201	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	1685077	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	939246	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	1605338	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	1627985	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1579617	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	461201	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	1685077	40.00	ppm	# 0.00
105) Acenaphthene-d10a	7.076	164	939246	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	1627985	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	1605338	40.00	ppm	0.00
113) Chrysene-d12b	11.649	240	1627985	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	9.601	57	1301957	92.30	ppm	0.00
112) O-terphenyl	8.761	230	2352666	91.13	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	538731	46.18	ppm	84
104) Hydroquinone	6.049	110	1249289	95.49	ppm #	75
106) Atrazine	8.125	215	437103	89.70	ppm #	77
107) 1,2,4,5-Tetrachloroben...	6.360	216	1462539	88.45	ppm	98
109) Benzidine	9.900	184	1346148	73.57	ppm	95

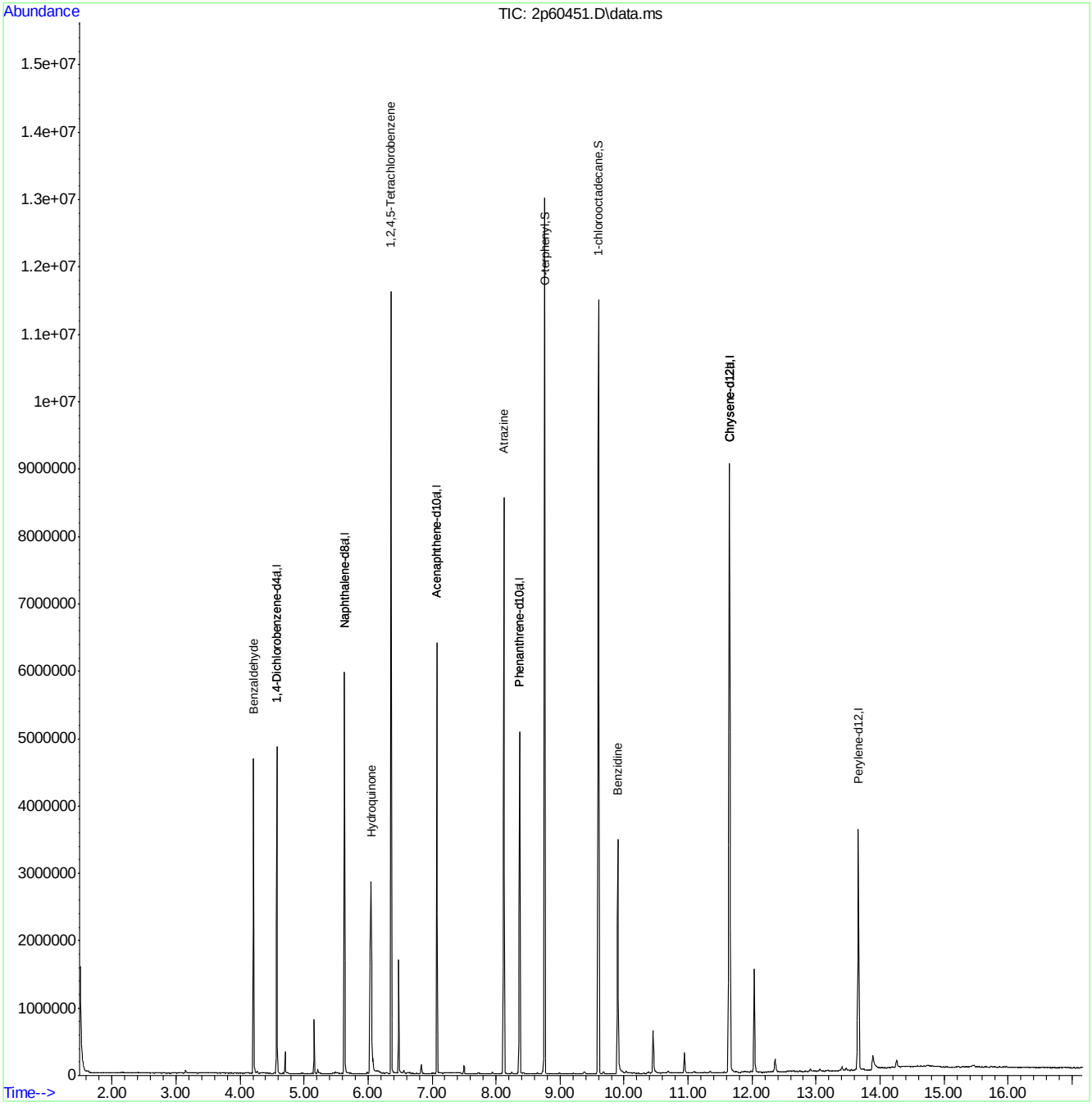
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60451.D
Acq On : 24 Jun 2016 11:59 am
Operator : robertl1
Sample : IC2637-100
Misc : op94957,e2p2637
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:06:31 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60452.D
Acq On : 24 Jun 2016 12:23 pm
Operator : robertl1
Sample : IC2637-2
Misc : op94957,e2p2637
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 16:07:18 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	601202	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2070300	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1224660	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	2084228	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	2190985	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1945889	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	601202	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2070300	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1224660	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	2190985	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	2084228	40.00	ppm	0.00
113) Chrysene-d12b	11.649	240	2190985	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery	=	0.00%#	
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery	=	0.00%#	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery	=	0.00%#	
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery	=	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery	=	0.00%#	
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery	=	0.00%#	
111) 1-chlorooctadecane	9.590	57	31180	1.70	ppm	-0.01
112) O-terphenyl	8.750	230	63699	1.90	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	30157	1.98	ppm	88
104) Hydroquinone	6.033	110	19597	1.22	ppm	94
106) Atrazine	8.108	215	11206	1.76	ppm #	77
107) 1,2,4,5-Tetrachloroben...	6.359	216	38036	1.76	ppm	97
109) Benzidine	9.895	184	31998	1.30	ppm	96

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

7.5.16

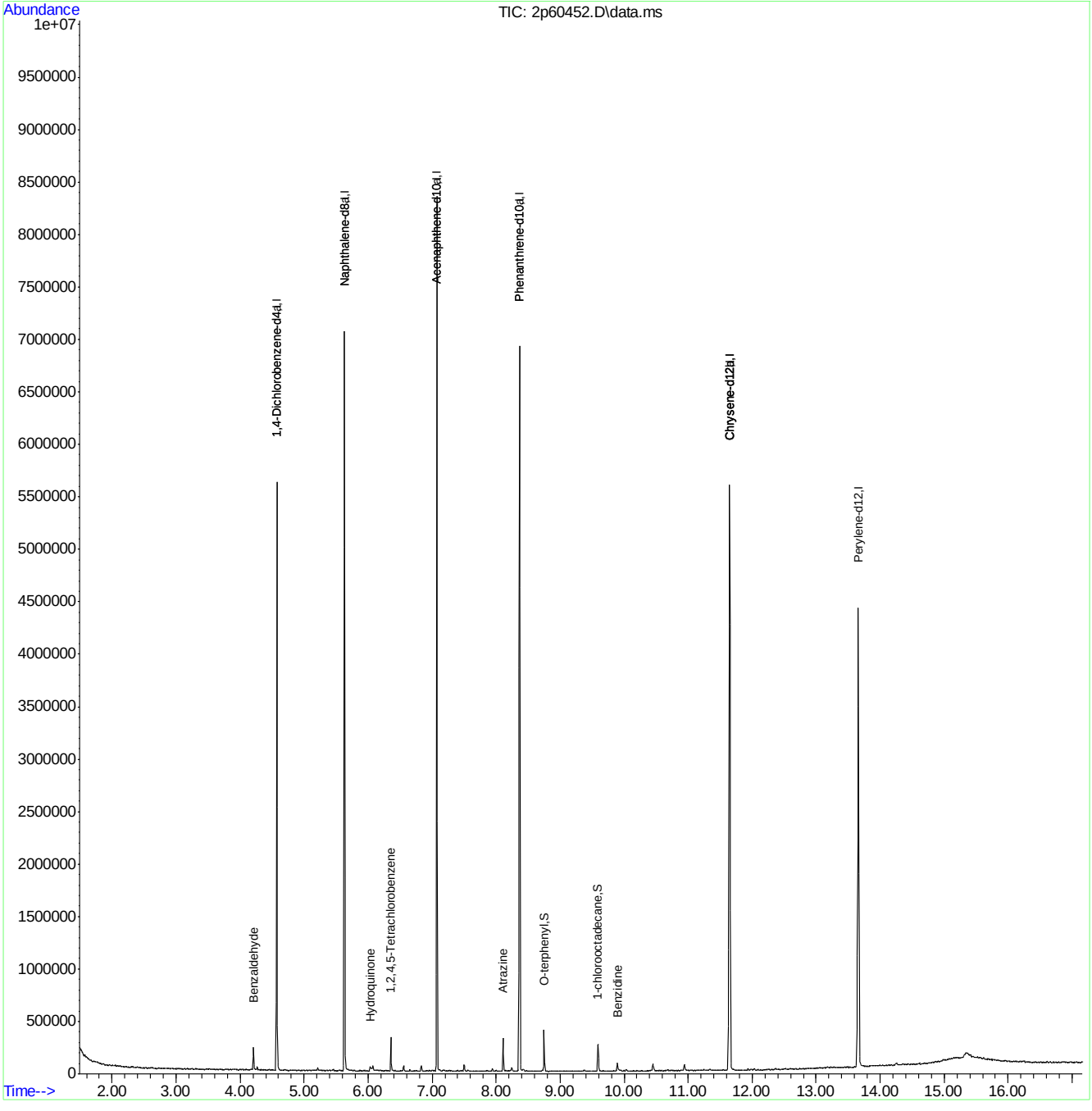
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60452.D
Acq On : 24 Jun 2016 12:23 pm
Operator : robertl1
Sample : IC2637-2
Misc : op94957,e2p2637
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 16:07:18 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



M2P2635.M Fri Jun 24 16:07:26 2016 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60453.D
Acq On : 24 Jun 2016 12:47 pm
Operator : robertl1
Sample : IC2637-80
Misc : op94957,e2p2637
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 16:08:40 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

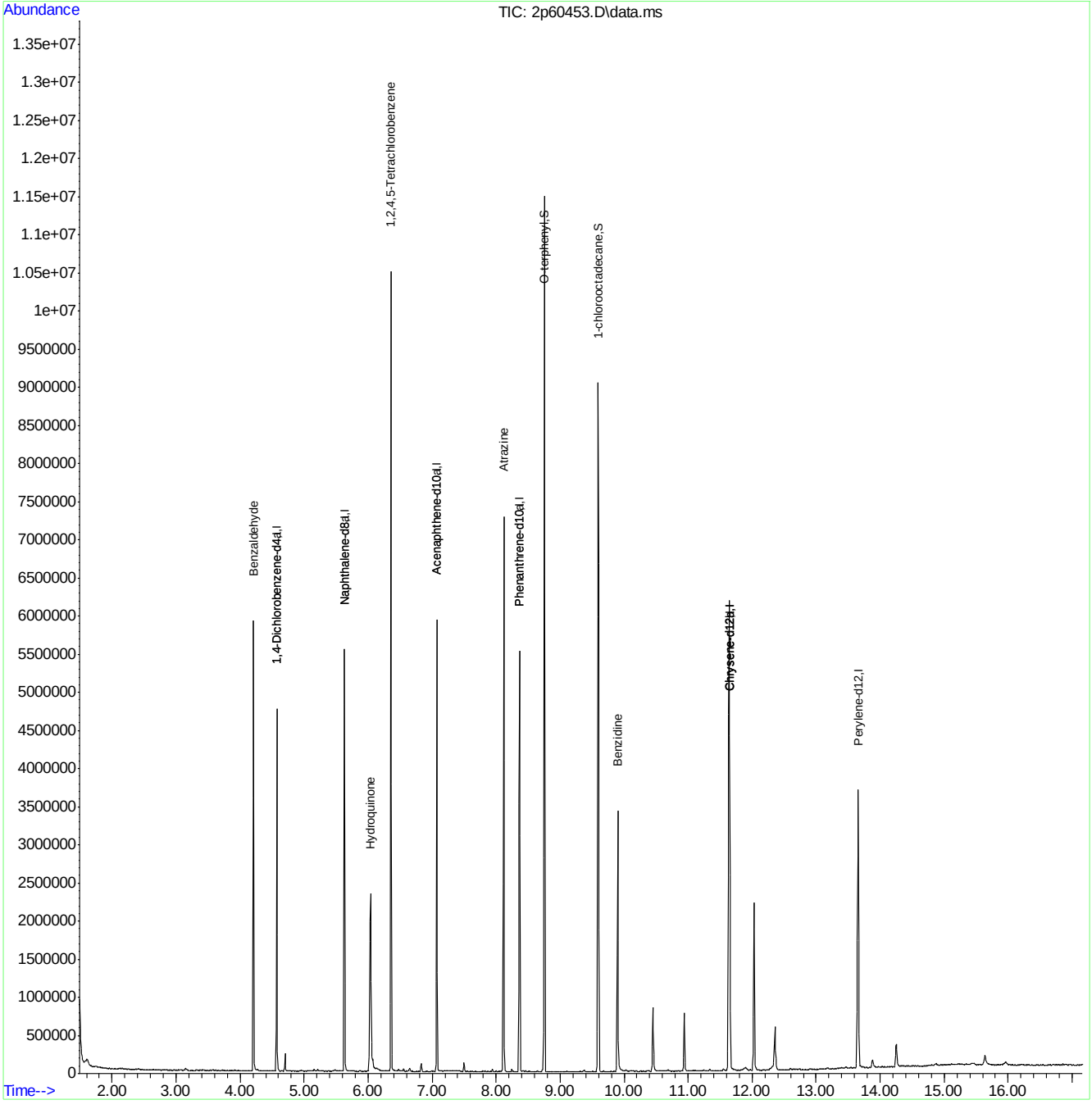
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	474196	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	1735579	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	974426	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	1660536	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	1697829	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1629090	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	474196	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	1735579	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	974426	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	1697829	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	1660536	40.00	ppm	0.00
113) Chrysene-d12b	11.649	240	1697829	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery	=	0.00%#	
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery	=	0.00%#	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery	=	0.00%#	
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery	=	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery	=	0.00%#	
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery	=	0.00%#	
111) 1-chlorooctadecane	9.595	57	1030739	70.64	ppm	0.00
112) O-terphenyl	8.756	230	1911470	71.58	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	705585	58.82	ppm	88
104) Hydroquinone	6.044	110	1035827	76.87	ppm #	74
106) Atrazine	8.119	215	374194	74.01	ppm #	78
107) 1,2,4,5-Tetrachloroben...	6.359	216	1196121	69.73	ppm	97
109) Benzidine	9.900	184	1259520	66.00	ppm	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60453.D
Acq On : 24 Jun 2016 12:47 pm
Operator : robertl1
Sample : IC2637-80
Misc : op94957,e2p2637
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 16:08:40 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60454.D
Acq On : 24 Jun 2016 1:11 pm
Operator : robertl1
Sample : IC2637-5
Misc : op94957,e2p2637
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 16:09:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	727110	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2575929	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1514796	40.00	ppm	0.00
69) Phenanthrene-d10	8.370	188	2574027	40.00	ppm	0.00
83) Chrysene-d12	11.655	240	2689332	40.00	ppm	-0.02
91) Perylene-d12	13.666	264	2444614	40.00	ppm	-0.01
101) 1,4-Dichlorobenzene-d4a	4.573	152	727110	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2575929	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1514796	40.00	ppm	0.00
108) Chrysene-d12a	11.655	240	2689332	40.00	ppm	0.00
110) Phenanthrene-d10a	8.370	188	2574027	40.00	ppm	0.00
113) Chrysene-d12b	11.655	240	2689332	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	9.595	57	99506	4.40	ppm	0.00
112) O-terphenyl	8.756	230	194045	4.69	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	94096	5.12	ppm	89
104) Hydroquinone	6.028	110	74844	3.74	ppm #	78
106) Atrazine	8.114	215	37488	4.77	ppm #	73
107) 1,2,4,5-Tetrachloroben...	6.359	216	124287	4.66	ppm	95
109) Benzidine	9.895	184	118365	3.92	ppm	95

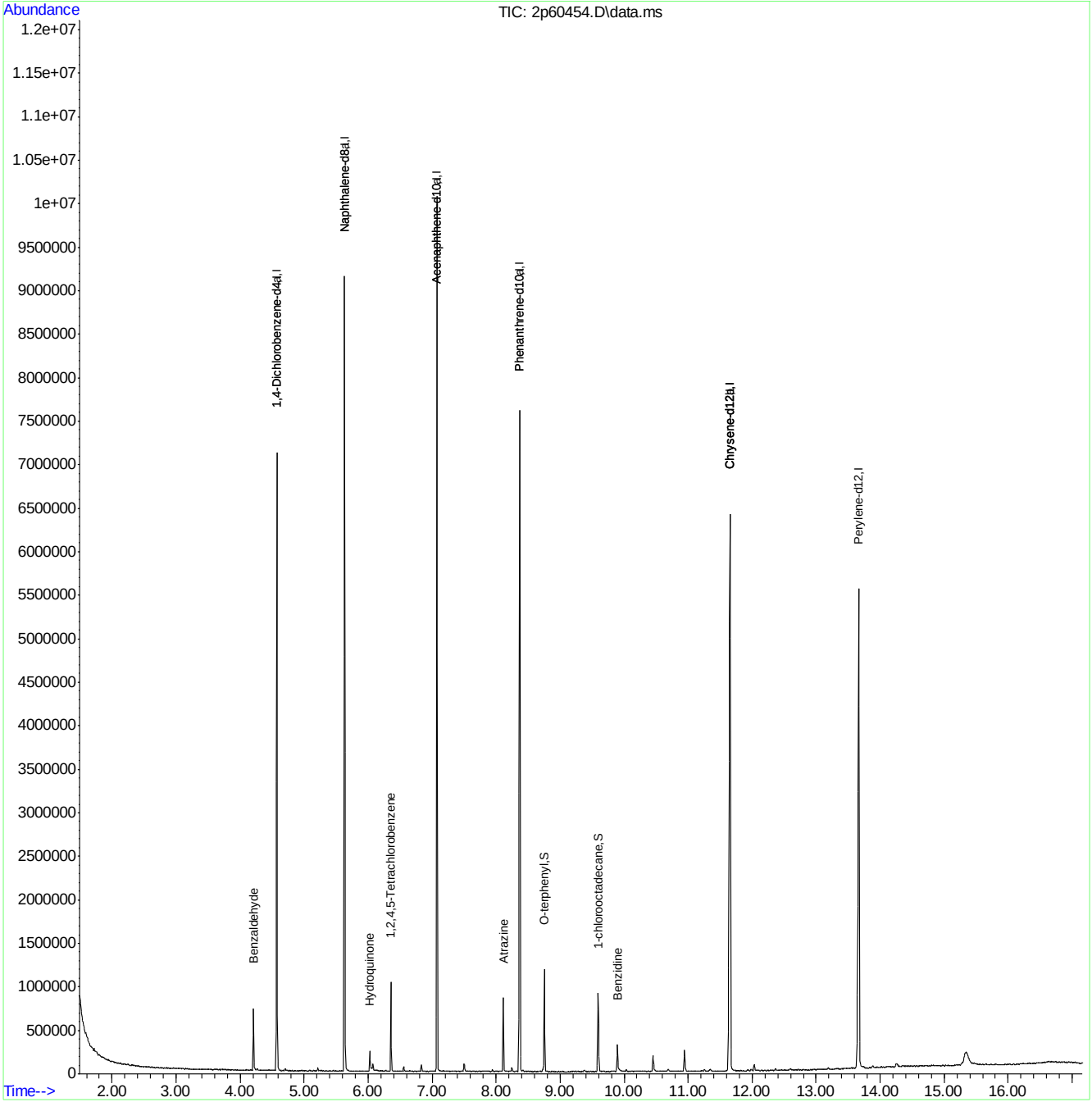
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60454.D
Acq On : 24 Jun 2016 1:11 pm
Operator : robertl1
Sample : IC2637-5
Misc : op94957,e2p2637
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 16:09:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60455.D
Acq On : 24 Jun 2016 1:35 pm
Operator : robertl1
Sample : IC2637-25
Misc : op94957,e2p2637
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:10:02 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	553479	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	1977959	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1190935	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	2087744	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	2088440	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1933853	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	553479	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	1977959	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1190935	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	2088440	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	2087744	40.00	ppm	0.00
113) Chrysene-d12b	11.649	240	2088440	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery	=	0.00%#	
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery	=	0.00%#	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery	=	0.00%#	
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery	=	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery	=	0.00%#	
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery	=	0.00%#	
111) 1-chlorooctadecane	9.595	57	371433	20.25	ppm	0.00
112) O-terphenyl	8.756	230	695676	20.72	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	330252	23.59	ppm	88
104) Hydroquinone	6.028	110	378321	24.63	ppm #	76
106) Atrazine	8.114	215	134771	21.81	ppm #	75
107) 1,2,4,5-Tetrachloroben...	6.359	216	454261	21.67	ppm	97
109) Benzidine	9.895	184	512646	21.84	ppm	97

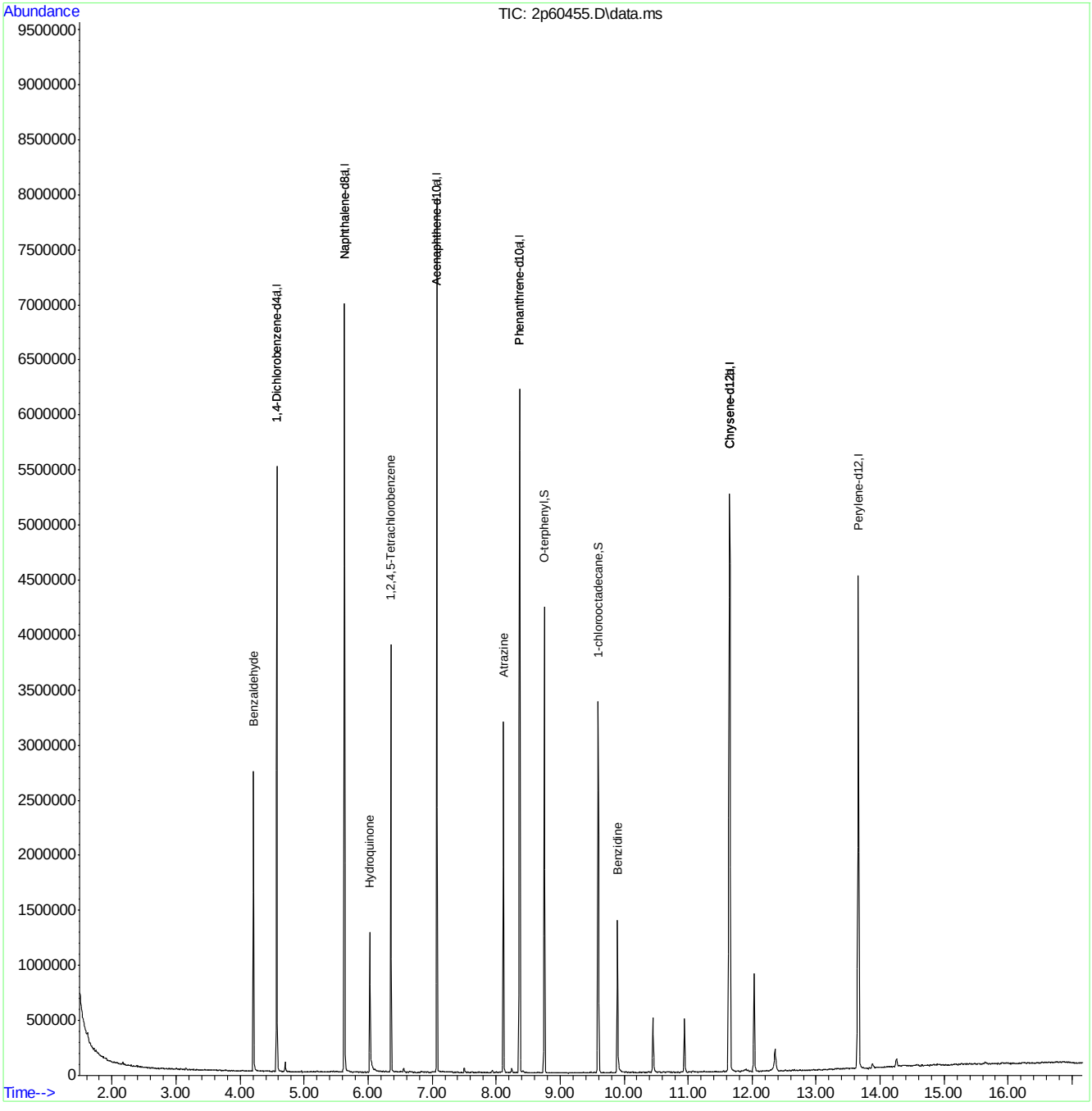
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60455.D
Acq On : 24 Jun 2016 1:35 pm
Operator : robertl1
Sample : IC2637-25
Misc : op94957,e2p2637
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:10:02 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



M2P2635.M Fri Jun 24 16:10:11 2016 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60456.D
Acq On : 24 Jun 2016 1:59 pm
Operator : robertl1
Sample : IC2637-10
Misc : op94957,e2p2637
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:10:46 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	619580	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2184068	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1226315	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	2123077	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	2151917	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	2044751	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	619580	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2184068	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1226315	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	2151917	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	2123077	40.00	ppm	0.00
113) Chrysene-d12b	11.649	240	2151917	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	9.590	57	148920	7.98	ppm	-0.01
112) O-terphenyl	8.750	230	276730	8.11	ppm	0.00
Target Compounds						Qvalue
102) Benzaldehyde	4.209	105	138232	8.82	ppm	87
104) Hydroquinone	6.023	110	123440	7.28	ppm #	72
106) Atrazine	8.108	215	51093	8.03	ppm #	67
107) 1,2,4,5-Tetrachloroben...	6.359	216	181110	8.39	ppm	99
109) Benzidine	9.895	184	231323	9.56	ppm	96

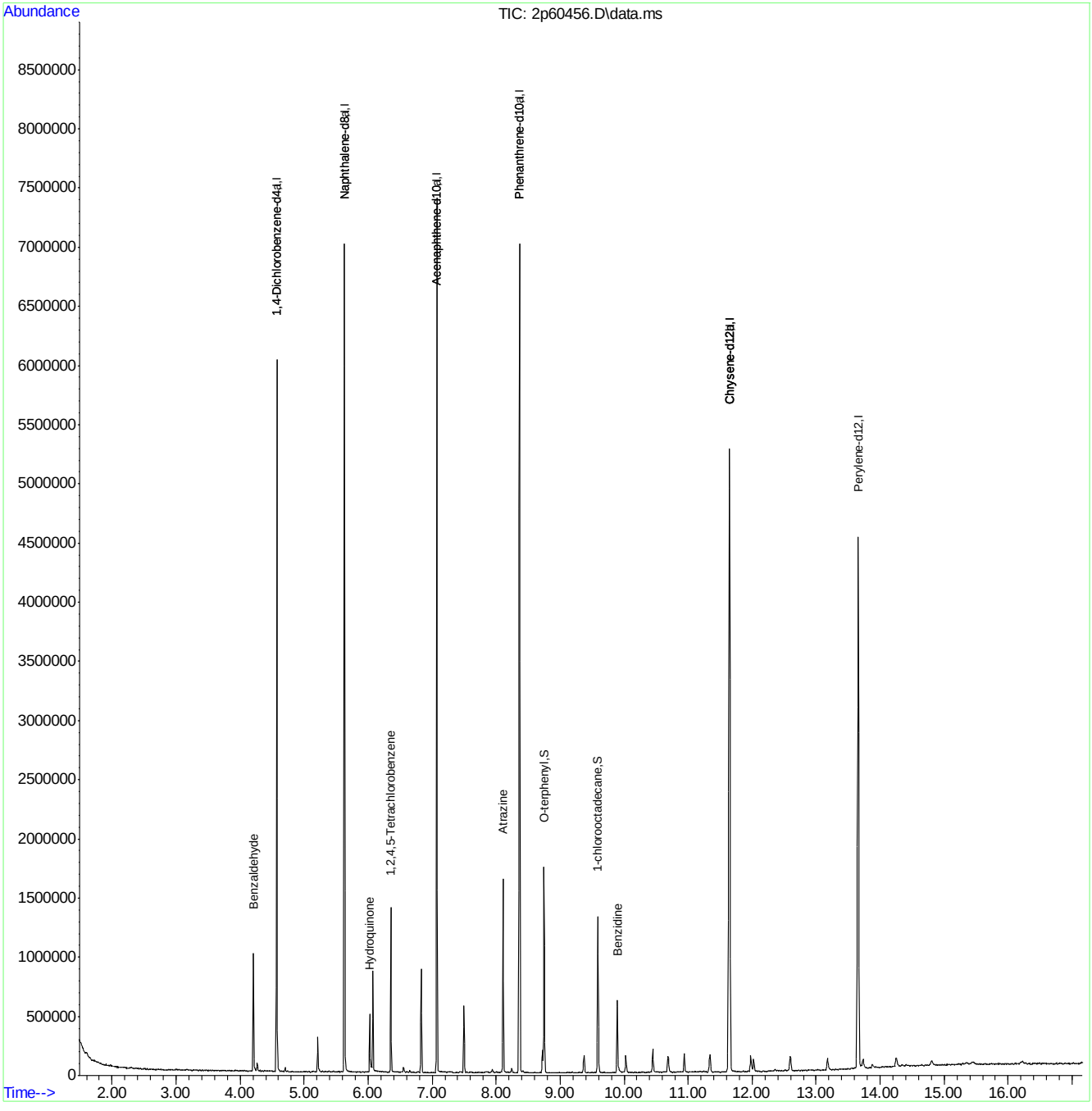
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60456.D
Acq On : 24 Jun 2016 1:59 pm
Operator : robertl1
Sample : IC2637-10
Misc : op94957,e2p2637
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:10:46 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 24 10:42:14 2016
Response via : Initial Calibration



M2P2635.M Fri Jun 24 16:10:56 2016 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60458.D
Acq On : 24 Jun 2016 2:47 pm
Operator : robertl1
Sample : ICV2637-50
Misc : op94957,e2p2637
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:46:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	601800	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	2063328	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	1232816	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	2104482	40.00	ppm	-0.01
83) Chrysene-d12	11.649	240	2174128	40.00	ppm	-0.02
91) Perylene-d12	13.660	264	1935752	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	601800	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	2063328	40.00	ppm	0.00
105) Acenaphthene-d10a	7.076	164	1232816	40.00	ppm	0.00
108) Chrysene-d12a	11.649	240	2174128	40.00	ppm	-0.02
110) Phenanthrene-d10a	8.365	188	2104482	40.00	ppm	-0.01
113) Chrysene-d12b	11.649	240	2174128	40.00	ppm	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
104) Hydroquinone	6.033	110	766522	53.80	ppm #	71

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

7.5.21

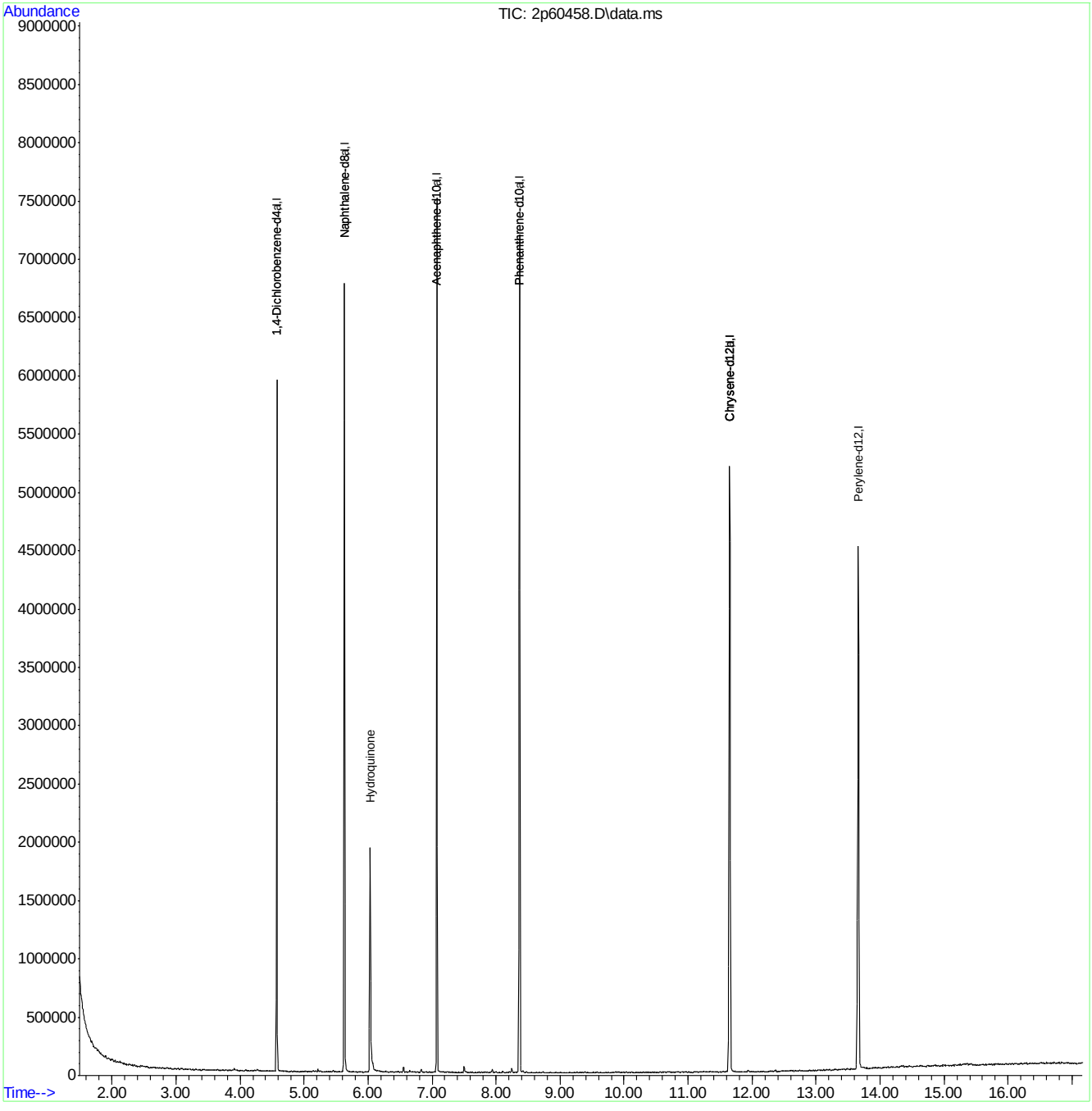
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60458.D
Acq On : 24 Jun 2016 2:47 pm
Operator : robertl1
Sample : ICV2637-50
Misc : op94957,e2p2637
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:46:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



M2P2635.M Mon Jun 27 15:46:28 2016 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60459.D
Acq On : 24 Jun 2016 3:11 pm
Operator : robertl1
Sample : ICV2637-50
Misc : op94957,e2p2637
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 15:48:16 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.573	152	491936	40.00	ppm	0.00
24) Naphthalene-d8	5.632	136	1607558	40.00	ppm	0.00
47) Acenaphthene-d10	7.076	164	953181	40.00	ppm	0.00
69) Phenanthrene-d10	8.365	188	1699157	40.00	ppm	-0.01
83) Chrysene-d12	11.655	240	1650736	40.00	ppm	-0.01
91) Perylene-d12	13.660	264	1500620	40.00	ppm	-0.02
101) 1,4-Dichlorobenzene-d4a	4.573	152	491936	40.00	ppm	0.00
103) Naphthalene-d8a	5.632	136	1607558	40.00	ppm	# 0.00
105) Acenaphthene-d10a	7.076	164	953181	40.00	ppm	0.00
108) Chrysene-d12a	11.655	240	1650736	40.00	ppm	-0.01
110) Phenanthrene-d10a	8.365	188	1699157	40.00	ppm	-0.01
113) Chrysene-d12b	11.655	240	1650736	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
107) 1,2,4,5-Tetrachloroben...	6.359	216	819856	55.39	ppm	96
109) Benzidine	9.900	184	1758973	114.20	ppm	96

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

7.5.22

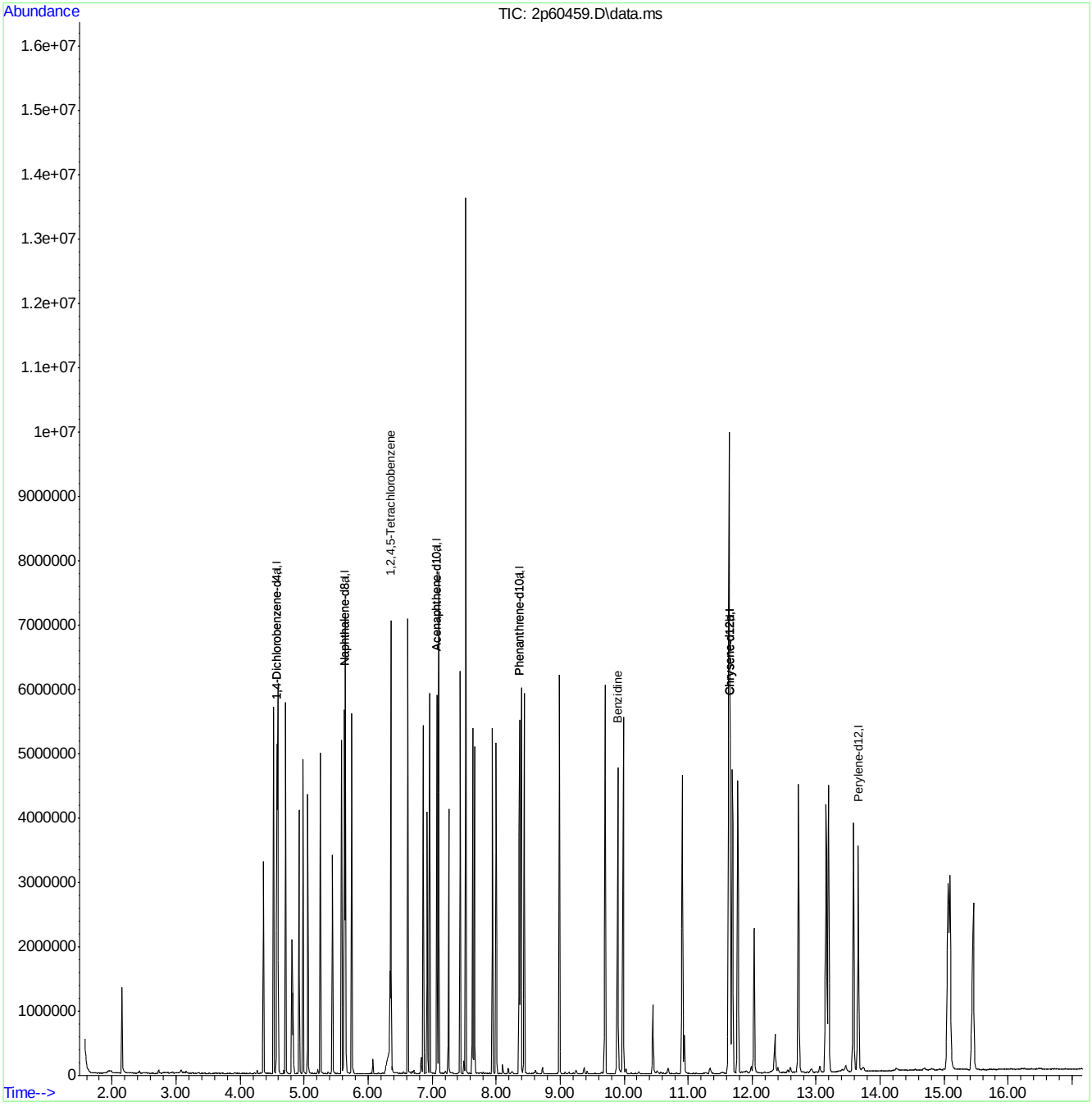
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2637\
Data File : 2p60459.D
Acq On : 24 Jun 2016 3:11 pm
Operator : robertl1
Sample : ICV2637-50
Misc : op94957,e2p2637
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 15:48:16 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60462.D
Acq On : 24 Jun 2016 5:24 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2638
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 08:15:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.562	152	441744	40.00	ppm	-0.02
24) Naphthalene-d8	5.621	136	1465115	40.00	ppm	-0.02
47) Acenaphthene-d10	7.066	164	854796	40.00	ppm	-0.02
69) Phenanthrene-d10	8.355	188	1556738	40.00	ppm	-0.02
83) Chrysene-d12	11.639	240	1394576	40.00	ppm	-0.03
91) Perylene-d12	13.644	264	1041644	40.00	ppm	-0.03
101) 1,4-Dichlorobenzene-d4a	4.562	152	441744	40.00	ppm	-0.02
103) Naphthalene-d8a	5.621	136	1465115	40.00	ppm	-0.02
105) Acenaphthene-d10a	7.066	164	854796	40.00	ppm	-0.02
108) Chrysene-d12a	11.639	240	1394576	40.00	ppm	-0.03
110) Phenanthrene-d10a	8.355	188	1556738	40.00	ppm	-0.02
113) Chrysene-d12b	11.639	240	1394576	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.134	74	253031	32.79	ppm	# 1
11) bis(2-Chloroethyl)ether	4.354	93	632472	49.27	ppm	99
14) 1,3-Dichlorobenzene	4.514	146	902343	49.82	ppm	98
15) 1,4-Dichlorobenzene	4.578	146	822820	48.56	ppm	98
17) 1,2-Dichlorobenzene	4.701	146	762708	47.39	ppm	97
20) 2,2'-oxybis(1-Chloropr...	4.803	121	188384	45.34	ppm	# 53
22) n-Nitroso-di-n-propyla...	4.910	70	439598	43.89	ppm	86
23) Hexachloroethane	4.974	201	320590	50.23	ppm	81
26) Nitrobenzene	5.049	77	669400	43.76	ppm	93
28) Isophorone	5.247	82	1225596	47.55	ppm	84
32) bis(2-Chloroethoxy)met...	5.434	93	701337	49.08	ppm	94
36) 1,2,4-Trichlorobenzene	5.579	180	697412	50.60	ppm	97
38) Naphthalene	5.643	128	1787410	47.65	ppm	98
42) Hexachlorobutadiene	5.734	225	421909	53.74	ppm	99
52) 2-Chloronaphthalene	6.611	162	1295386	54.78	ppm	95
55) Dimethylphthalate	6.857	163	1385050	49.20	ppm	100
56) Acenaphthylene	6.953	152	1797436	45.38	ppm	98
57) 2,6-Dinitrotoluene	6.916	165	301542	45.66	ppm	97
59) Acenaphthene	7.092	153	1179868	49.34	ppm	99

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60462.D
Acq On : 24 Jun 2016 5:24 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2638
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 08:15:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
63) 2,4-Dinitrotoluene	7.253	165	395268	46.82 ppm	92
65) Diethylphthalate	7.435	149	1382090	47.77 ppm	94
66) Fluorene	7.520	166	1348759	48.34 ppm	94
67) 4-Chlorophenyl-phenyle...	7.520	204	669603	49.18 ppm	97
71) n-Nitrosodiphenylamine	7.627	169	848052	43.56 ppm	92
72) 1,2-Diphenylhydrazine	7.654	77	1178756	39.74 ppm	89
74) 4-Bromophenyl-phenylether	7.937	248	440892	46.52 ppm	97
75) Hexachlorobenzene	7.991	284	472607	44.15 ppm	90
77) Phenanthrene	8.381	178	1853648	46.47 ppm	98
78) Anthracene	8.429	178	1756480	43.43 ppm	99
80) Di-n-butylphthalate	8.980	149	2379629	44.29 ppm	99
81) Fluoranthene	9.692	202	2290488	43.46 ppm	89
84) Pyrene	9.970	202	2227404	46.85 ppm	98
86) Butylbenzylphthalate	10.900	149	1051851	47.32 ppm	97
87) Benzo[a]anthracene	11.623	228	2022575	45.05 ppm	100
88) 3,3'-Dichlorobenzidine	11.628	252	1094734	63.11 ppm	95
89) Chrysene	11.676	228	1623631	45.09 ppm	99
90) bis(2-Ethylhexyl)phtha...	11.767	149	1222607	47.29 ppm	97
92) Di-n-octylphthalate	12.714	149	2259758	50.55 ppm	98
93) Benzo[b]fluoranthene	13.142	252	1598626	44.63 ppm	88
94) Benzo[k]fluoranthene	13.179	252	1474900	47.95 ppm	88
95) Benzo[a]pyrene	13.569	252	1396378	46.00 ppm	89
96) Indeno[1,2,3-cd]pyrene	15.040	276	1446947	51.81 ppm	76
98) Dibenz[a,h]anthracene	15.072	278	1145739	50.62 ppm	85
100) Benzo[g,h,i]perylene	15.431	276	1168995	51.67 ppm	79

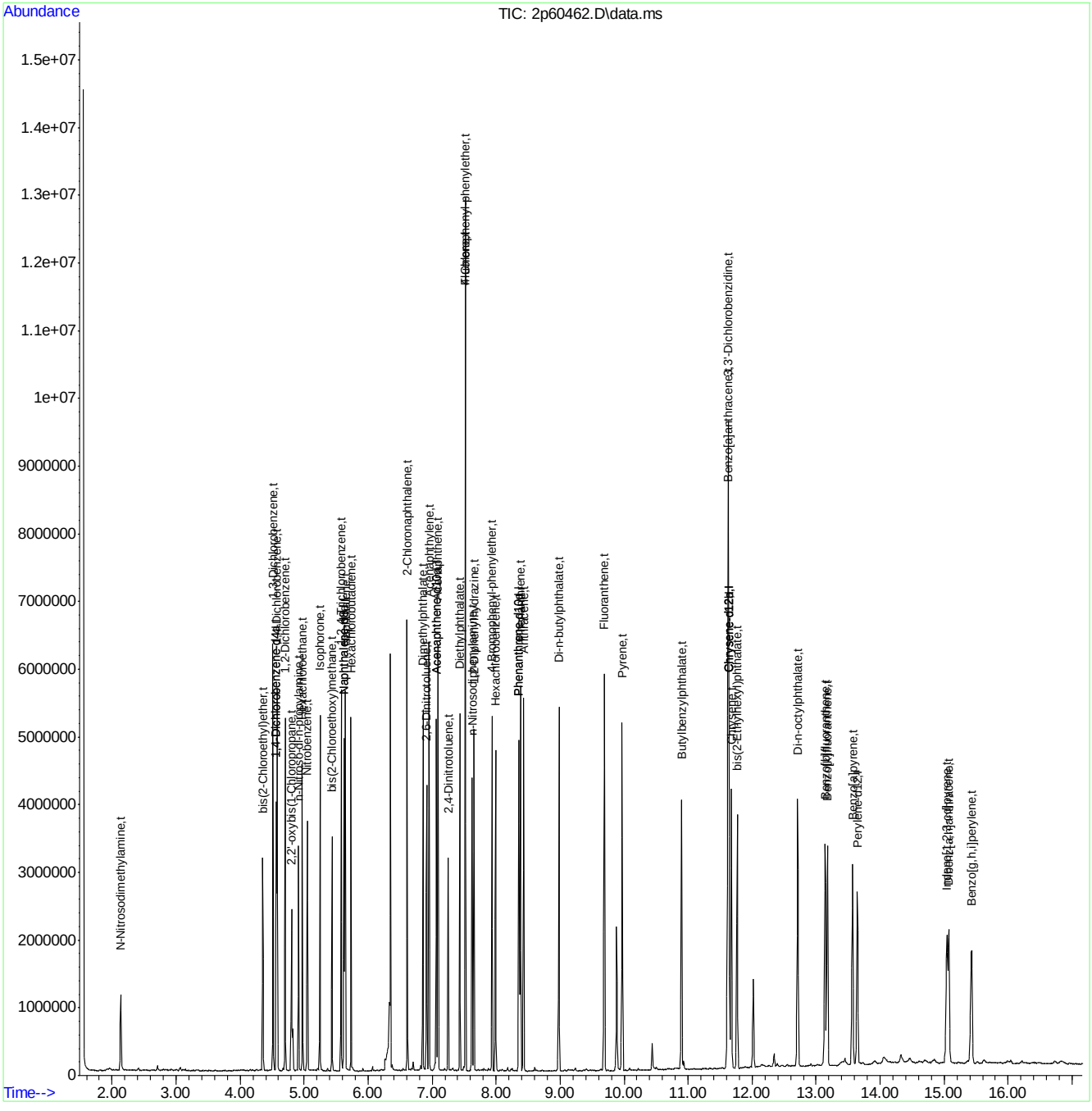
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60462.D
Acq On : 24 Jun 2016 5:24 pm
Operator : robertl1
Sample : ICV2635-50
Misc : op94957,e2p2638
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 08:15:42 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60463.D
Acq On : 24 Jun 2016 5:48 pm
Operator : robertl1
Sample : ICV2637-50
Misc : op94957,e2p2638
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 15:53:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.562	152	497188	40.00	ppm	-0.02
24) Naphthalene-d8	5.621	136	1799196	40.00	ppm	-0.02
47) Acenaphthene-d10	7.065	164	978847	40.00	ppm	-0.02
69) Phenanthrene-d10	8.354	188	1608442	40.00	ppm	-0.02
83) Chrysene-d12	11.633	240	1745002	40.00	ppm	-0.03
91) Perylene-d12	13.639	264	1286504	40.00	ppm	-0.04
101) 1,4-Dichlorobenzene-d4a	4.562	152	497188	40.00	ppm	-0.02
103) Naphthalene-d8a	5.621	136	1799196	40.00	ppm	-0.02
105) Acenaphthene-d10a	7.065	164	978847	40.00	ppm	-0.02
108) Chrysene-d12a	11.633	240	1745002	40.00	ppm	-0.03
110) Phenanthrene-d10a	8.354	188	1608442	40.00	ppm	-0.02
113) Chrysene-d12b	11.633	240	1745002	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
111) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
112) O-terphenyl	0.000	230	0	0.00	ppm	
Target Compounds						Qvalue
102) Benzaldehyde	4.199	105	657635	57.77	ppm	86
106) Atrazine	8.108	215	232158	51.70	ppm #	78

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

7.5.24

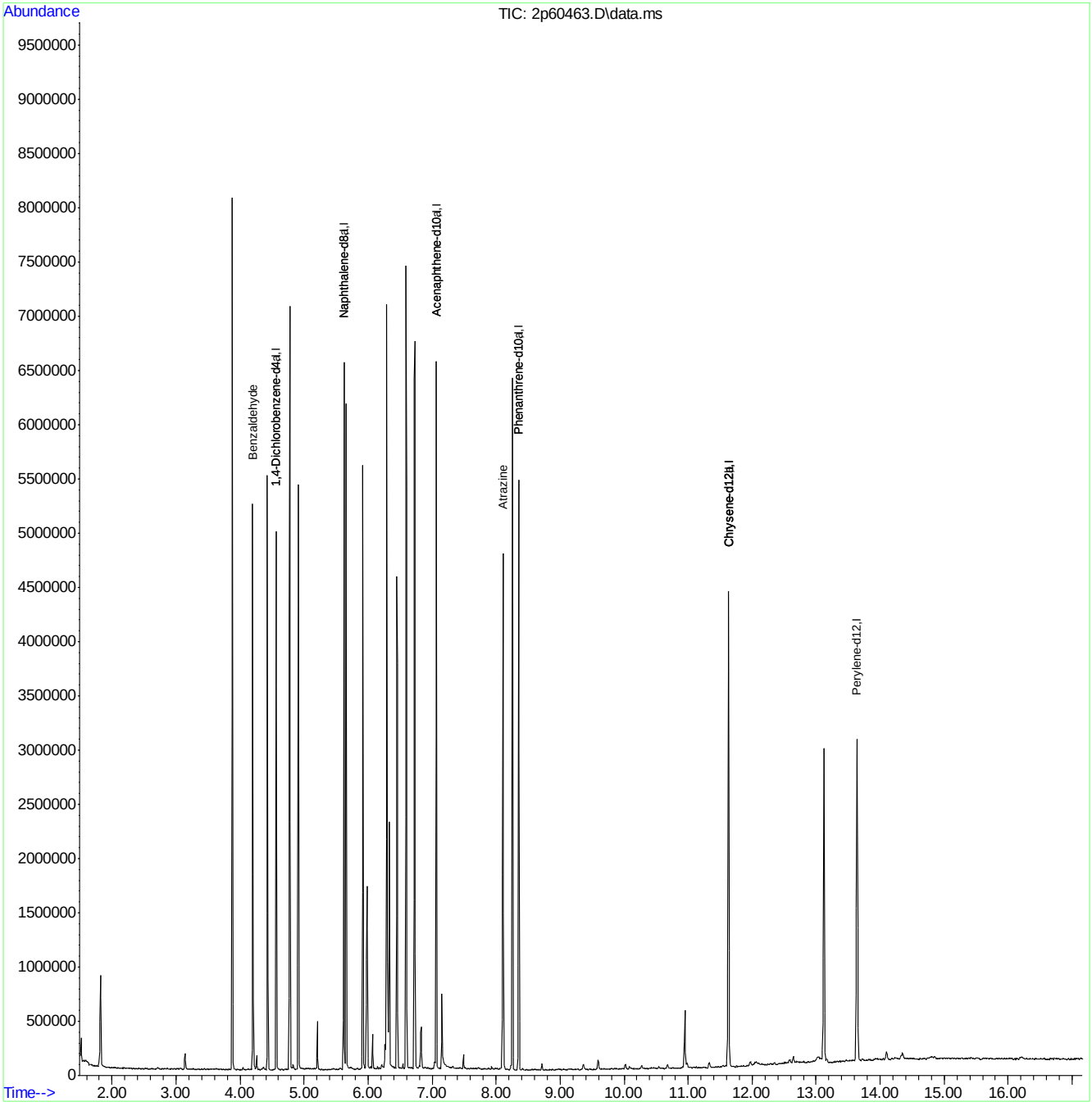
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2638\
Data File : 2p60463.D
Acq On : 24 Jun 2016 5:48 pm
Operator : robertl1
Sample : ICV2637-50
Misc : op94957,e2p2638
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 15:53:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 27 15:32:55 2016
Response via : Initial Calibration



M2P2635.M Mon Jun 27 15:53:27 2016 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60972.D
Acq On : 14 Jul 2016 9:13 am
Operator : robertl1
Sample : CC2635-50
Misc : op95439,e2p2663
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 11:35:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 13 12:04:25 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	4.434	152	385935	40.00 ppm	-0.03
24) Naphthalene-d8	5.493	136	1277538	40.00 ppm	-0.03
47) Acenaphthene-d10	6.932	164	933229	40.00 ppm	-0.03
69) Phenanthrene-d10	8.205	188	1740201	40.00 ppm	-0.03
83) Chrysene-d12	11.441	240	2143319	40.00 ppm	-0.03
91) Perylene-d12	13.441	264	1938115	40.00 ppm	-0.22
101) 1,4-Dichlorobenzene-d4a	4.434	152	385935	40.00 ppm	-0.10
103) Naphthalene-d8a	5.493	136	1277538	40.00 ppm	-0.10
105) Acenaphthene-d10a	6.932	164	933229	40.00 ppm	-0.10
108) Chrysene-d12a	11.441	240	2143319	40.00 ppm	-0.15
System Monitoring Compounds					
5) 2-Fluorophenol	3.353	112	603113	44.62 ppm	-0.06
Spiked Amount 50.000	Range 11 - 58		Recovery = 89.24%#		
8) Phenol-d5	4.199	99	722551	45.83 ppm	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 91.66%#		
25) Nitrobenzene-d5	4.915	82	603396	44.10 ppm	-0.02
Spiked Amount 50.000	Range 19 - 61		Recovery = 88.20%#		
51) 2-Fluorobiphenyl	6.386	172	1466956	48.33 ppm	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 96.66%#		
73) 2,4,6-Tribromophenol	7.595	330	237333	49.04 ppm	-0.01
Spiked Amount 50.000	Range 12 - 68		Recovery = 98.08%#		
85) Terphenyl-d14	10.007	244	2147862	45.26 ppm	-0.04
Spiked Amount 50.000	Range 16 - 65		Recovery = 90.52%#		
Target Compounds					Qvalue
2) 1,4-Dioxane	1.669	88	271109	57.26 ppm	92
3) Pyridine	2.000	79	598355	51.39 ppm	82
4) N-Nitrosodimethylamine	1.979	74	329016	48.80 ppm #	15
6) Indene	4.648	116	981646	46.33 ppm	98
7) Cumene	3.744	105	1684350	46.84 ppm	96
9) Phenol	4.209	94	757469	46.02 ppm	81
10) Aniline	4.172	93	868239	47.86 ppm	96
11) bis(2-Chloroethyl)ether	4.236	93	468366	41.76 ppm	89
12) 2-Chlorophenol	4.279	128	645716	47.93 ppm	87
13) Decane	4.305	57	517685	36.86 ppm	88
14) 1,3-Dichlorobenzene	4.386	146	729716	46.11 ppm	99
15) 1,4-Dichlorobenzene	4.450	146	720127	48.64 ppm	99
16) Benzyl alcohol	4.584	108	343270	45.68 ppm	78
17) 1,2-Dichlorobenzene	4.573	146	682750	48.55 ppm	99
18) Acetophenone	4.792	105	811819	46.41 ppm	87
19) 2-Methylphenol	4.701	108	482717	46.40 ppm	94
20) 2,2'-oxybis(1-Chloropr...	4.680	121	164523	45.32 ppm #	13
21) 3&4-Methylphenol	4.830	108	505953	43.68 ppm	88
22) n-Nitroso-di-n-propyla...	4.798	70	355610	40.64 ppm	80
23) Hexachloroethane	4.846	201	307744	55.19 ppm #	65
26) Nitrobenzene	4.931	77	576989	43.25 ppm	97
27) Quinoline	5.803	129	1193061	50.16 ppm	98
28) Isophorone	5.135	82	1032223	45.93 ppm	68

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60972.D
Acq On : 14 Jul 2016 9:13 am
Operator : robertl1
Sample : CC2635-50
Misc : op95439,e2p2663
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 11:35:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 13 12:04:25 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	5.193	139	376344	52.92	ppm		79
30)	2,4-Dimethylphenol	5.258	107	642988	55.24	ppm		92
31)	Benzoic acid	5.423	105	415042	68.83	ppm		92
32)	bis(2-Chloroethoxy)met...	5.316	93	534258	42.88	ppm		95
33)	2,4-Dichlorophenol	5.407	162	601667	55.19	ppm		96
34)	2,6-Dichlorophenol	5.578	162	595605	59.78	ppm		96
35)	1,3,5-Trichlorobenzene	5.188	180	736369	56.08	ppm		96
36)	1,2,4-Trichlorobenzene	5.450	180	644464	53.63	ppm		99
37)	1,2,3-Trichlorobenzene	5.632	180	596659	55.10	ppm		91
38)	Naphthalene	5.509	128	1628865	49.80	ppm		98
39)	4-Chloroaniline	5.578	127	677538	48.47	ppm		96
40)	2,3-Dichloroaniline	6.322	161	732180	54.77	ppm		89
41)	Caprolactam	5.910	113	179573	49.58	ppm	#	76
42)	Hexachlorobutadiene	5.605	225	450641	65.83	ppm		95
43)	4-Chloro-3-methylphenol	6.017	107	618836	53.54	ppm		89
44)	2-Methylnaphthalene	6.081	141	1084811	52.63	ppm		93
45)	1-Methylnaphthalene	6.161	141	1146814	52.56	ppm		89
46)	Dimethylnaphthalene	6.595	156	1226346	58.80	ppm		88
48)	Hexachlorocyclopentadiene	6.199	237	464934	81.28	ppm		94
49)	2,4,6-Trichlorophenol	6.338	196	475954	54.15	ppm		98
50)	2,4,5-Trichlorophenol	6.386	196	469147	52.11	ppm		97
52)	2-Chloronaphthalene	6.482	162	1163627	45.08	ppm		96
53)	Biphenyl	6.466	154	1569813	44.59	ppm		92
54)	2-Nitroaniline	6.595	65	414651	40.34	ppm		92
55)	Dimethylphthalate	6.734	163	1508672	49.08	ppm		99
56)	Acenaphthylene	6.819	152	1958848	45.30	ppm		99
57)	2,6-Dinitrotoluene	6.793	165	346483	48.06	ppm		94
58)	3-Nitroaniline	6.937	138	339181	42.47	ppm		87
59)	Acenaphthene	6.958	153	1211598	46.41	ppm		99
60)	2,4-Dinitrophenol	7.044	184	180700	67.95	ppm	#	100
61)	4-Nitrophenol	7.135	109	182154	60.28	ppm	#	46
62)	Dibenzofuran	7.108	168	1860517	49.21	ppm		94
63)	2,4-Dinitrotoluene	7.135	165	452624	49.10	ppm		98
64)	2,3,4,6-Tetrachlorophenol	7.226	232	345295	60.27	ppm		89
65)	Diethylphthalate	7.311	149	1527622	48.36	ppm		93
66)	Fluorene	7.386	166	1532125	50.30	ppm		95
67)	4-Chlorophenyl-phenyle...	7.386	204	872841	58.72	ppm		95
68)	4-Nitroaniline	7.450	138	302508	41.01	ppm		86
70)	4,6-Dinitro-2-methylph...	7.477	198	202907	39.94	ppm		88
71)	n-Nitrosodiphenylamine	7.499	169	962399	44.23	ppm		93
72)	1,2-Diphenylhydrazine	7.520	77	1335947	40.29	ppm		88
74)	4-Bromophenyl-phenylether	7.798	248	564136	53.24	ppm		92
75)	Hexachlorobenzene	7.846	284	643593	53.79	ppm		87
76)	Pentachlorophenol	8.050	266	141293	55.46	ppm		97
77)	Phenanthrene	8.226	178	2225577	49.92	ppm		98
78)	Anthracene	8.274	178	2202194	48.71	ppm		97
79)	Carbazole	8.456	167	2126173	46.72	ppm		96
80)	Di-n-butylphthalate	8.820	149	2820798	46.97	ppm		98
81)	Fluoranthene	9.510	202	3154104	53.54	ppm		86
82)	Octadecane	8.108	43	951340	43.04	ppm	#	63

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60972.D
Acq On : 14 Jul 2016 9:13 am
Operator : robertl1
Sample : CC2635-50
Misc : op95439,e2p2663
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 11:35:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 13 12:04:25 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
84)	Pyrene	9.782	202	3058604	41.86 ppm	98
86)	Butylbenzylphthalate	10.702	149	1385405	40.55 ppm	96
87)	Benzo[a]anthracene	11.419	228	3322993	48.16 ppm	98
88)	3,3'-Dichlorobenzidine	11.425	252	1264924	47.45 ppm	93
89)	Chrysene	11.478	228	2613142	47.21 ppm	100
90)	bis(2-Ethylhexyl)phtha...	11.564	149	1660984	41.80 ppm	99
92)	Di-n-octylphthalate	12.510	149	3373363	40.56 ppm	99
93)	Benzo[b]fluoranthene	12.944	252	3146631	47.21 ppm	98
94)	Benzo[k]fluoranthene	12.981	252	2723705	47.59 ppm	98
95)	Benzo[a]pyrene	13.366	252	2949201	52.21 ppm	97
96)	Indeno[1,2,3-cd]pyrene	14.805	276	3486799	67.10 ppm	91
97)	Dibenz(a,h)acridine	14.505	279	2771012	67.84 ppm	97
98)	Dibenz[a,h]anthracene	14.821	278	2838284	67.40 ppm	96
99)	7,12-Dimethylbenz(a)an...	12.917	256	1580220	56.58 ppm	99
100)	Benzo[g,h,i]perylene	15.163	276	2914690	69.24 ppm	97

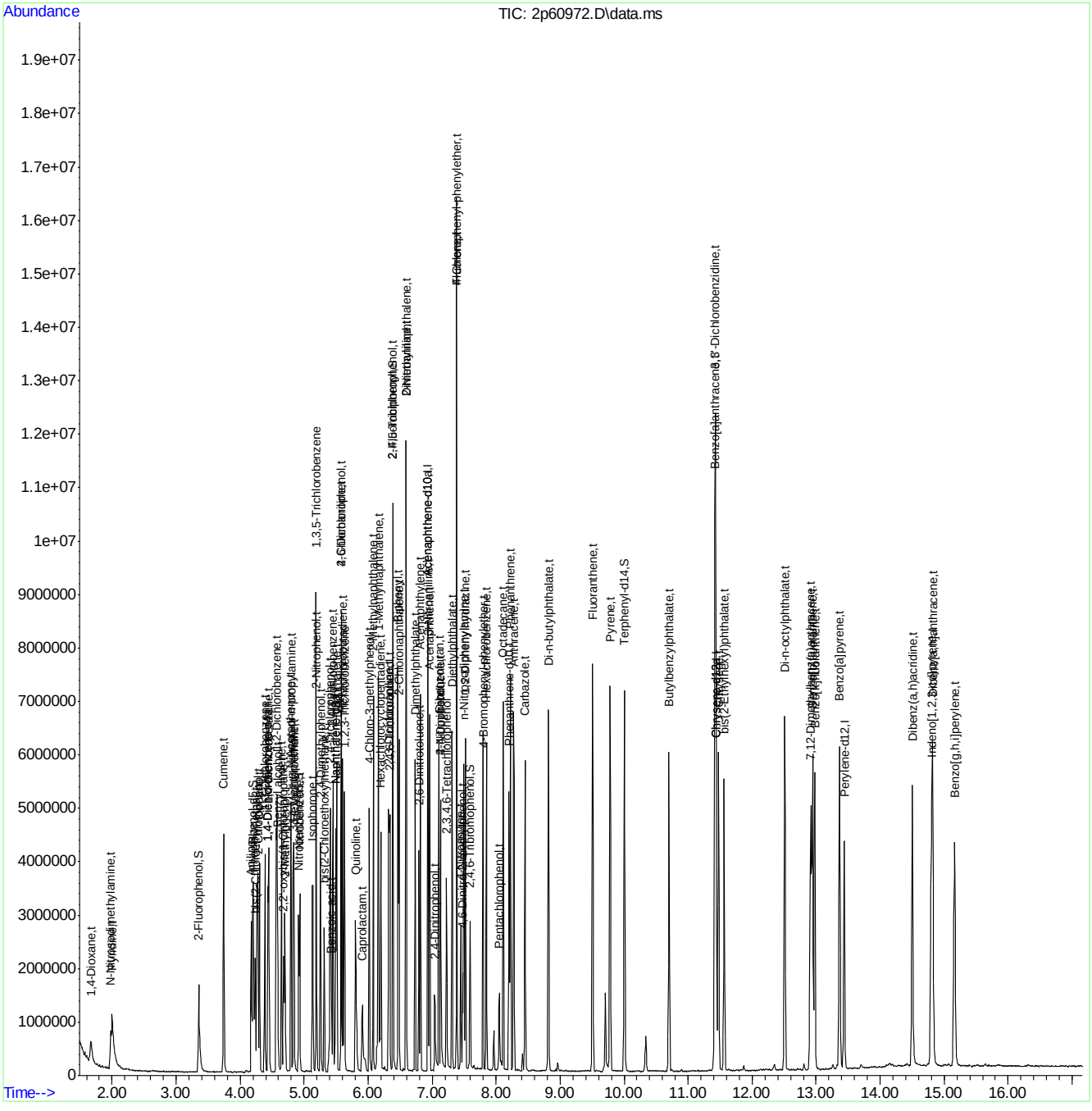
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60972.D
Acq On : 14 Jul 2016 9:13 am
Operator : robertl1
Sample : CC2635-50
Misc : op95439,e2p2663
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 11:35:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 13 12:04:25 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60973.D
Acq On : 14 Jul 2016 9:45 am
Operator : robertl1
Sample : CC2637-50
Misc : op95439,e2p2663
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 14 11:37:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 13 12:04:25 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.434	152	506418	40.00	ppm	-0.03
24) Naphthalene-d8	5.488	136	1810273	40.00	ppm	-0.03
47) Acenaphthene-d10	6.932	164	1132694	40.00	ppm	-0.03
69) Phenanthrene-d10	8.199	188	2118529	40.00	ppm	-0.03
83) Chrysene-d12	11.430	240	2482994	40.00	ppm	-0.04
91) Perylene-d12	13.436	264	2366630	40.00	ppm	-0.23
101) 1,4-Dichlorobenzene-d4a	4.434	152	506418	40.00	ppm	-0.10
103) Naphthalene-d8a	5.488	136	1810273	40.00	ppm	-0.10
105) Acenaphthene-d10a	6.932	164	1132694	40.00	ppm	-0.10
108) Chrysene-d12a	11.430	240	2482994	40.00	ppm	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000	Range 11 - 58		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0	0.00	ppm	
Spiked Amount 50.000	Range 10 - 59		Recovery = 0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 19 - 61		Recovery = 0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 21 - 58		Recovery = 0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppm	
Spiked Amount 50.000	Range 12 - 68		Recovery = 0.00%#			
85) Terphenyl-d14	0.000	244	0d	0.00	ppm	
Spiked Amount 50.000	Range 16 - 65		Recovery = 0.00%#			
Target Compounds						Qvalue
102) Benzaldehyde	4.075	105	554241	47.80	ppm	89
104) Hydroquinone	5.915	110	698141	55.85	ppm #	72
106) Atrazine	7.969	215	339676	65.37	ppm #	68
107) 1,2,4,5-Tetrachloroben...	6.220	216	1019781	57.97	ppm	95
109) Benzidine	9.708	184	899453	38.82	ppm	97

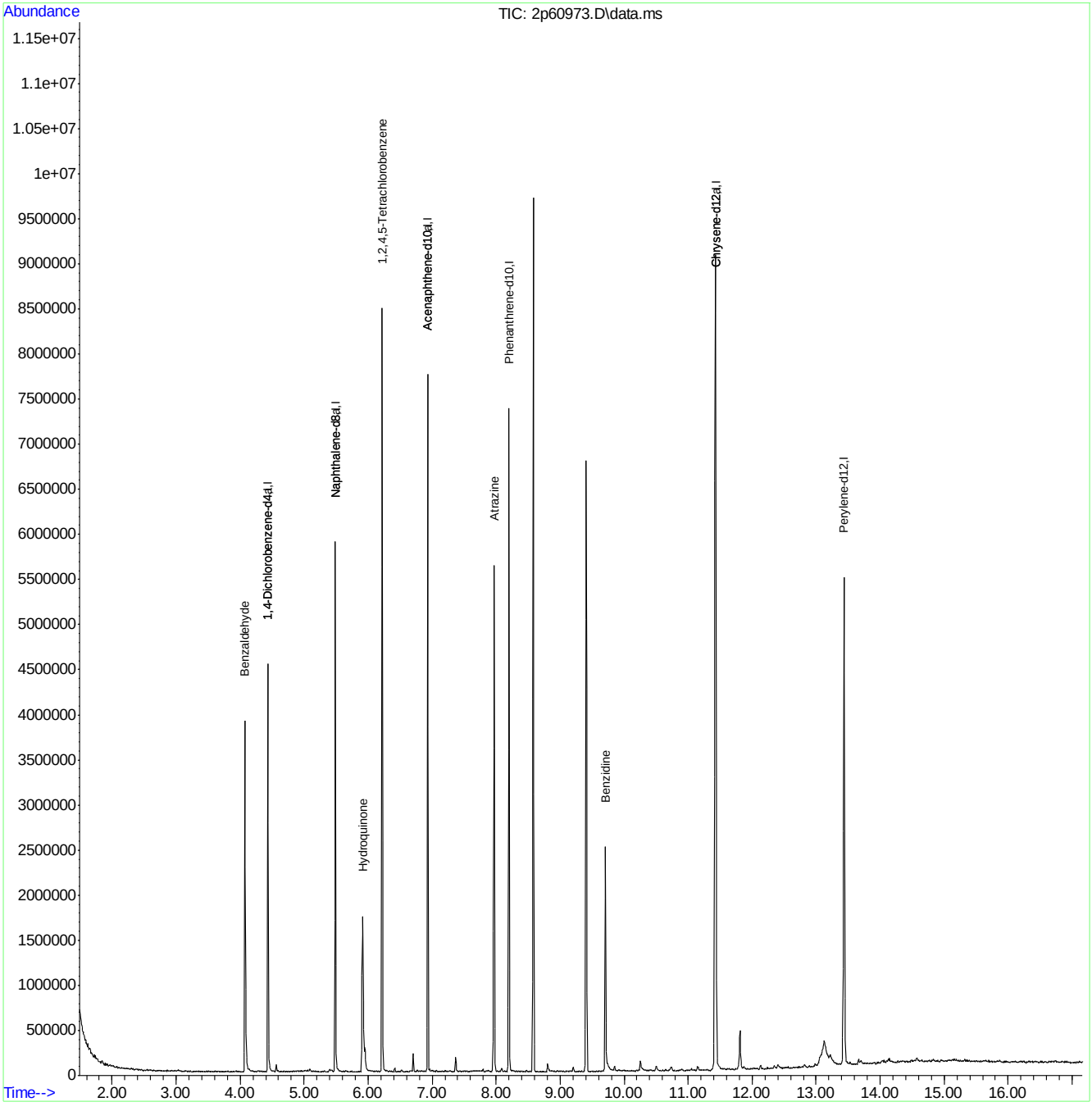
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P2663\
Data File : 2p60973.D
Acq On : 14 Jul 2016 9:45 am
Operator : robertl1
Sample : CC2637-50
Misc : op95439,e2p2663
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 14 11:37:22 2016
Quant Method : C:\MSDCHEM\1\METHODS\M2P2635.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 13 12:04:25 2016
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/11/16 10:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:25:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	54447	4.00	ppm	0.00
14) Fluorene-d10	14.093	176	82620	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	129840	4.00	ppm	0.00
31) Benzo(a)pyrene-d12	22.812	264	96457	4.00	ppm	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.039	112	162469	20.41	ppm	0.00
Spiked Amount 50.000			Recovery = 40.82%			
4) Phenol-d5	6.603	99	205430	20.35	ppm	0.00
Spiked Amount 50.000			Recovery = 40.70%			
7) Nitrobenzene-d5	8.205	82	164537	20.35	ppm	0.00
Spiked Amount 50.000			Recovery = 40.70%			
15) 2-Fluorobiphenyl	11.756	172	344958	20.00	ppm	0.00
Spiked Amount 50.000			Recovery = 40.00%			
20) 2,4,6-Tribromophenol	14.639	330	56519	19.68	ppm	0.00
Spiked Amount 50.000			Recovery = 39.36%			
28) Terphenyl-d14	19.029	244	285010	20.00	ppm	0.00
Spiked Amount 50.000			Recovery = 40.00%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.736	88	5732	0.78	ppm #	1
5) Phenol	6.627	94	45417	5.09	ppm #	68
6) bis(2-Chloroethyl)ether	6.772	93	7943	0.99	ppm	91
8) Nitrobenzene	8.243	77	8332	0.98	ppm	74
9) Naphthalene	9.617	128	31368	1.02	ppm	98
10) Hexachlorobutadiene	9.919	225	4960	1.02	ppm	79
11) 2-Methylnaphthalene	10.977	141	16196	0.98	ppm	87
12) 1-Methylnaphthalene	11.182	141	13827	0.99	ppm #	58
13) Hexachlorocyclopentadiene	11.346	237	7201	2.04	ppm	99
16) Acenaphthylene	12.751	152	27400	0.99	ppm	98
17) Acenaphthene	13.107	153	17497	1.00	ppm	78
18) 4,6-dinitro-2-methylph...	14.300	198	6340	5.00	ppm	89
19) Fluorene	14.149	166	17779	1.00	ppm	97
22) Hexachlorobenzene	15.272	284	6556	1.00	ppm	98
23) Pentachlorophenol	15.674	266	15830	5.18	ppm	91
24) Phenanthrene	16.045	178	28166	0.99	ppm	92
25) Anthracene	16.154	178	25387	1.00	ppm	94
26) Fluoranthene	18.287	202	26178	1.00	ppm	98
27) Pyrene	18.673	202	29156	1.00	ppm	96
29) Benzo[a]anthracene	20.728	228	25038	0.98	ppm	90
30) Chrysene	20.790	228	26686	0.95	ppm	99
32) Benzo[b]fluoranthene	22.398	252	30952m	0.94	ppm	
33) Benzo[k]fluoranthene	22.436	252	27300m	0.98	ppm	
34) Benzo[a]pyrene	22.850	252	23964	1.00	ppm	95
35) Indeno[1,2,3-cd]pyrene	24.448	276	29231	0.96	ppm	93
36) Dibenz[a,h]anthracene	24.486	278	23777	1.02	ppm	76
37) Benzo[g,h,i]perylene	24.881	276	27395	1.01	ppm	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:25:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration

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

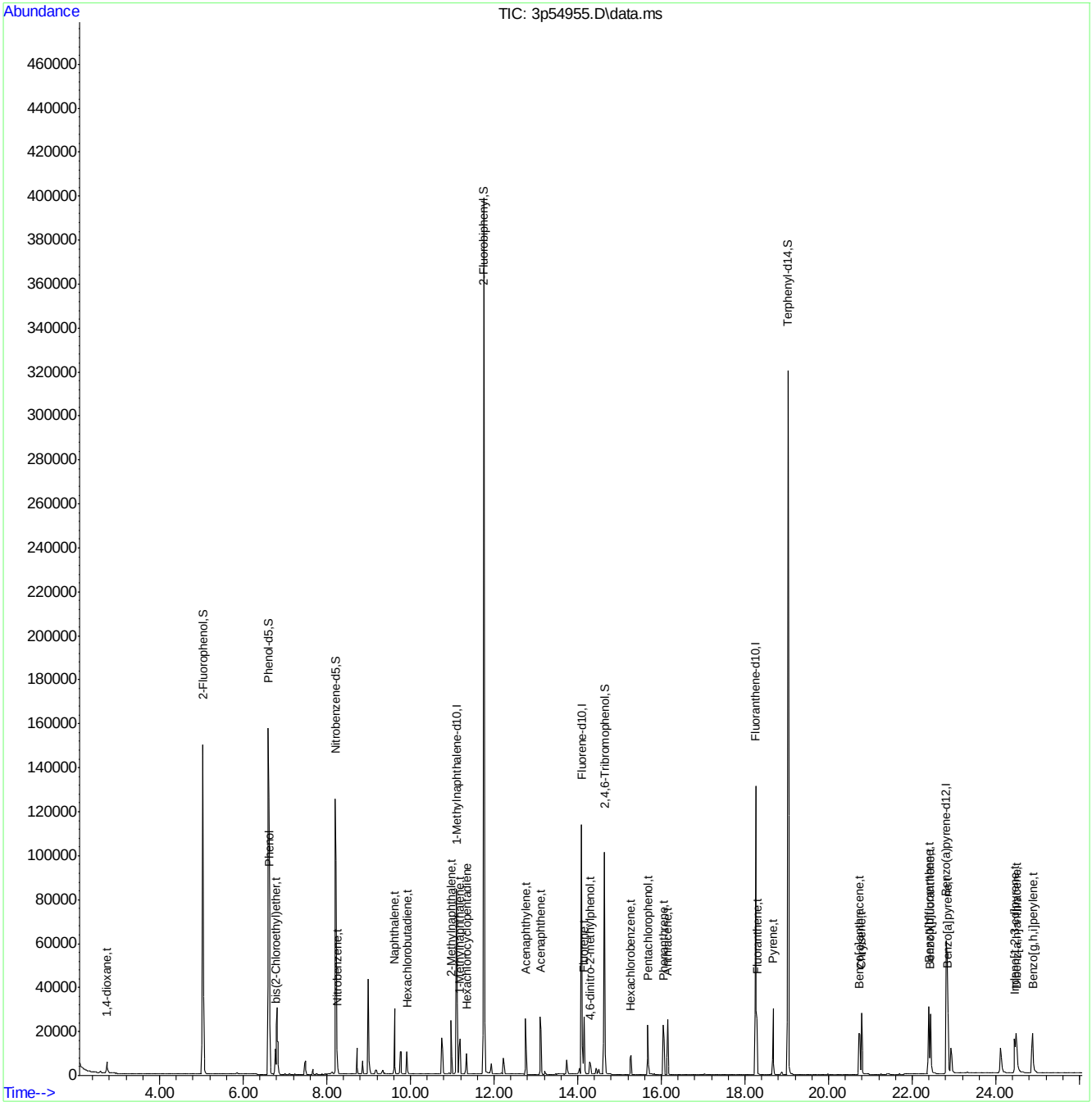
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:25:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Manual Integration Approval Summary

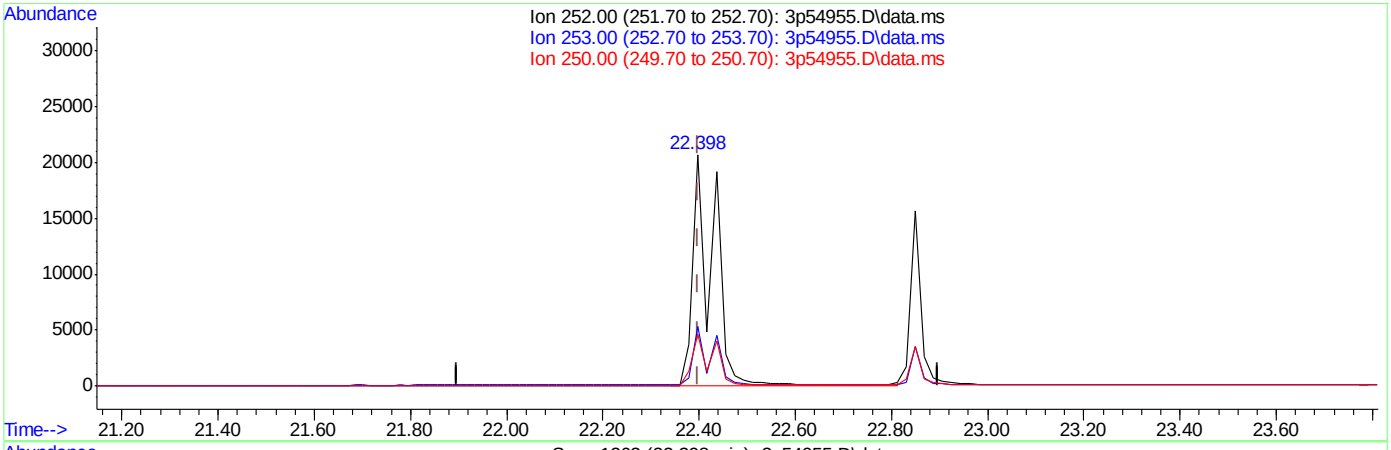
Sample Number:	E3P2503-ICC2503	**Method:**	SW846 8270D BY SIM
Lab FileID:	3P54955.D	**Analyst approved:**	07/11/16 10:13 Ashley Dye
Injection Time:	07/06/16 10:32	**Supervisor approved:**	07/11/16 10:45 Nina Pandya

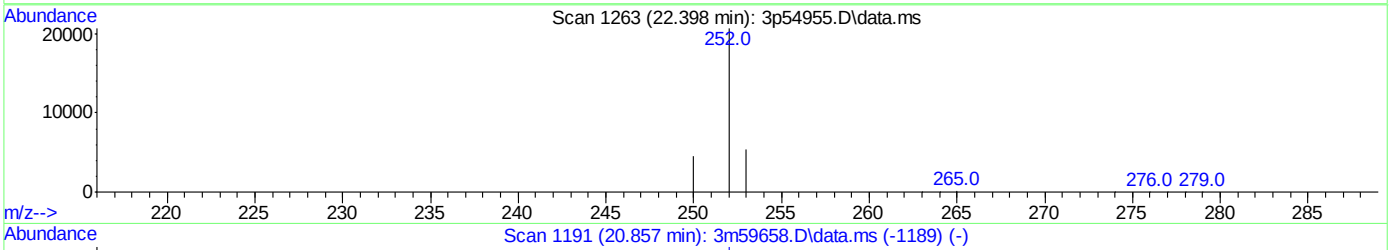
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		22.40	Overlapping peak
Benzo(k)fluoranthene	207-08-9		22.44	Overlapping peak

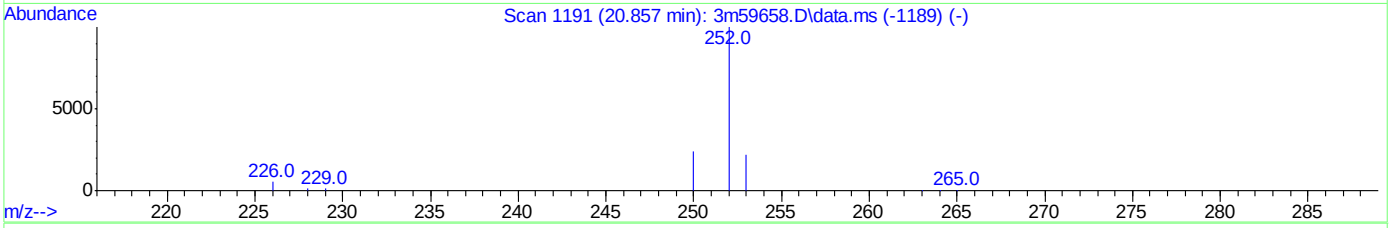
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op94978,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:24:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration







TIC: 3p54955.D\data.ms

(32) Benzo[b]fluoranthene (t)

22.398min (0.000) 1.85ppm

response 60924

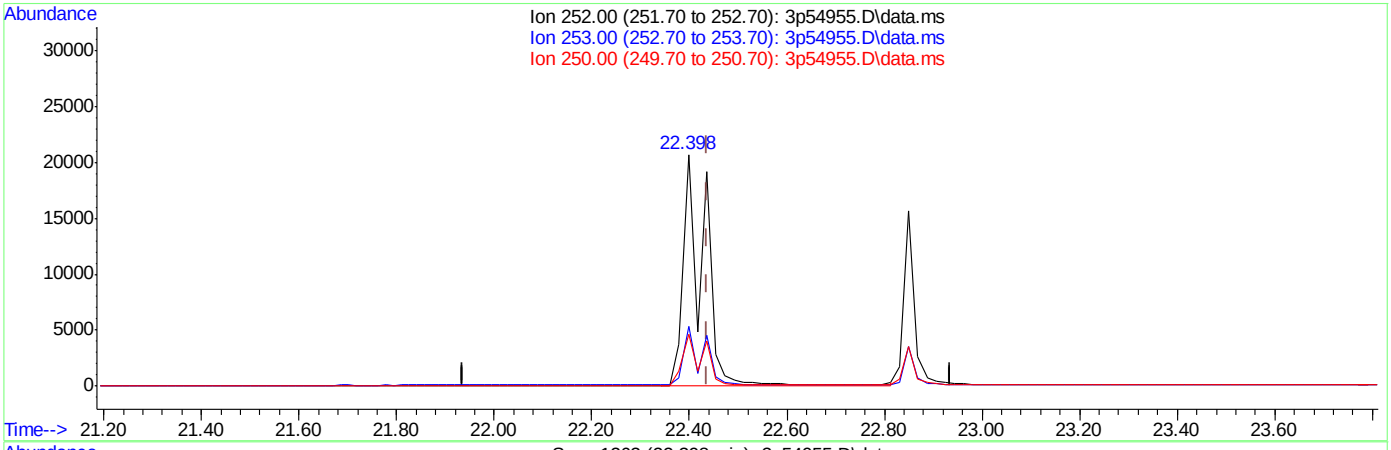
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.36
250.00	23.10	21.99
0.00	0.00	0.00

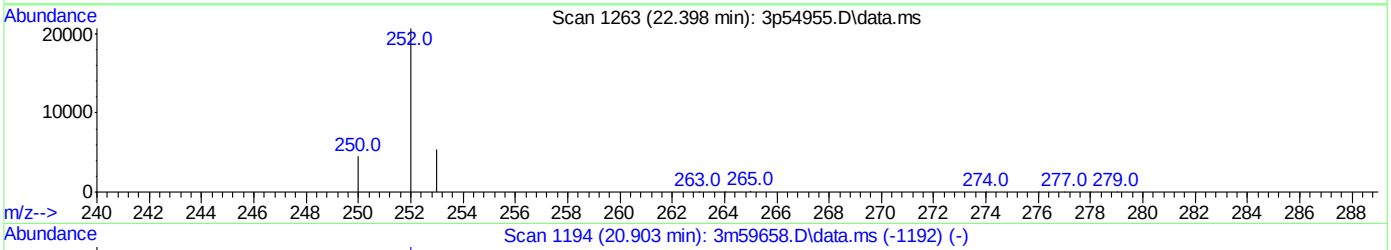
SGS ACCUTEST JC24003

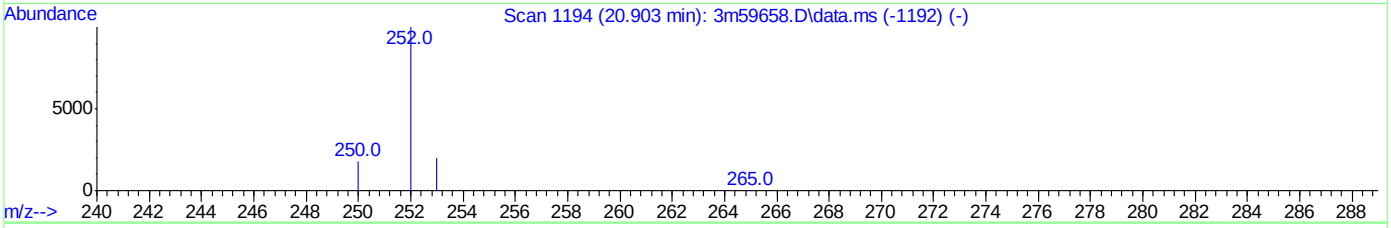
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op94978,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:24:53 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration







TIC: 3p54955.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.398min (-0.038) 2.19ppm

response 60924

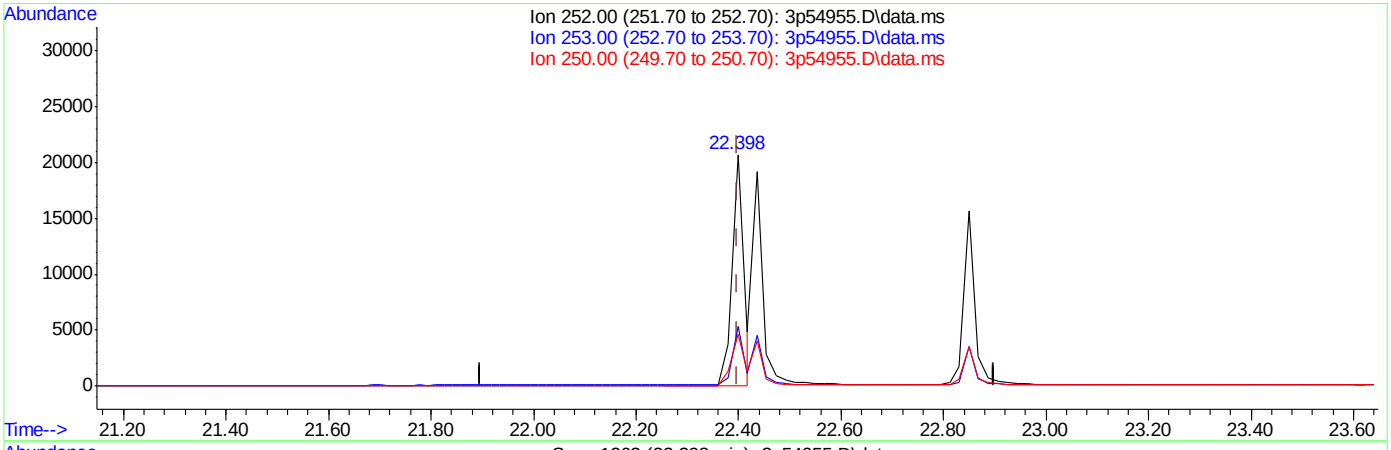
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.36
250.00	23.10	21.99
0.00	0.00	0.00

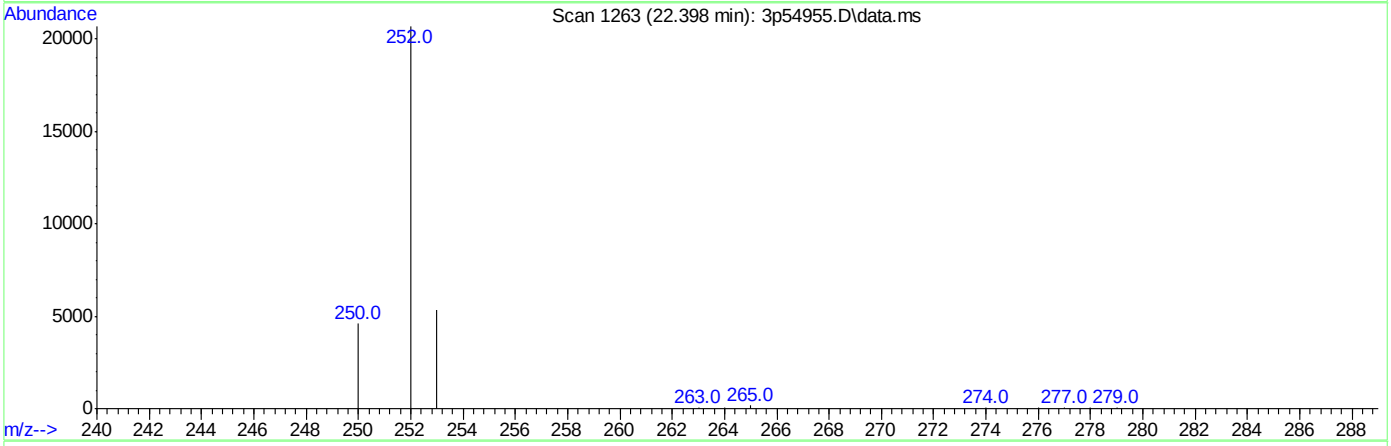
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:25:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration





TIC: 3p54955.D\data.ms

(32) Benzo[b]fluoranthene (t)

22.398min (0.000) 0.94ppm m

response 30952

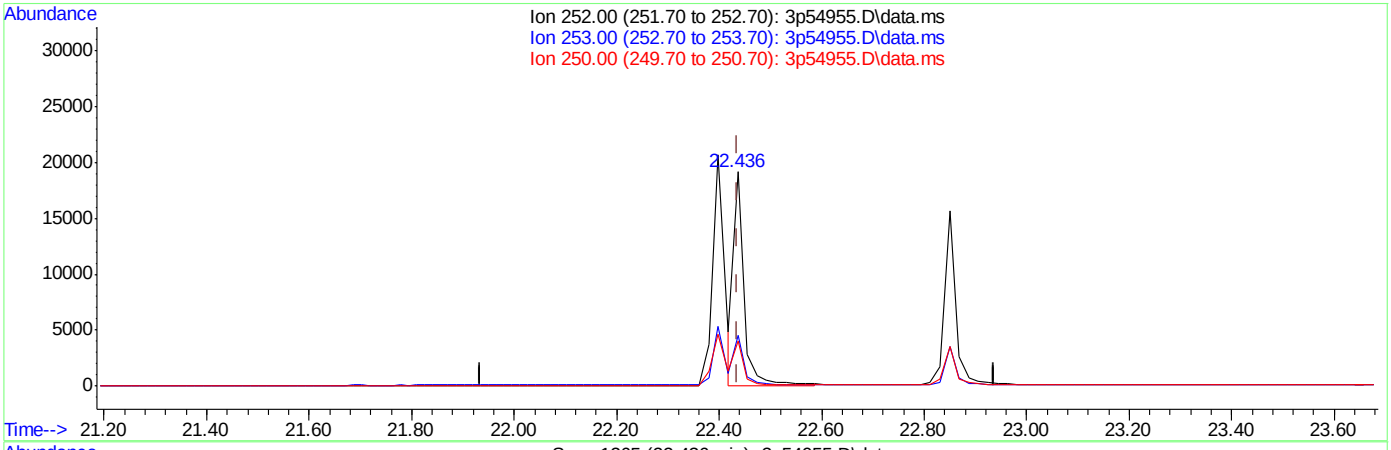
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.77
250.00	23.10	22.24
0.00	0.00	0.00

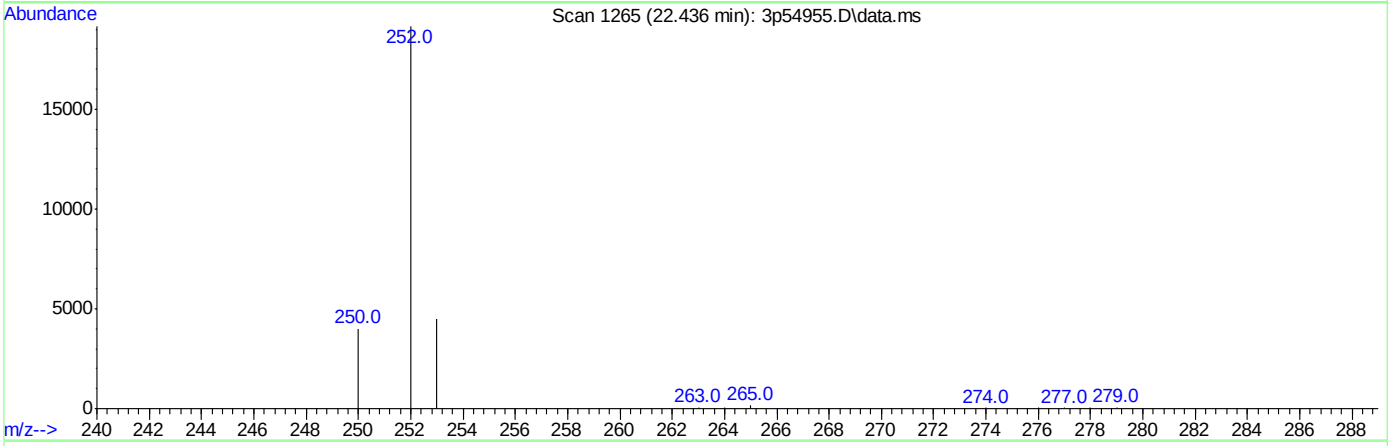
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54955.D
Acq On : 6 Jul 2016 10:32 am
Operator : hankc
Sample : icc2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 06 17:25:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:23:56 2016
Response via : Initial Calibration





TIC: 3p54955.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.436min (0.000) 0.98ppm m

response 27300

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	23.48
250.00	23.10	20.89
0.00	0.00	0.00

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54956.D
Acq On : 6 Jul 2016 11:26 am
Operator : hankc
Sample : ic2503-0.01
Misc : op95179a,e3p2503
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 06 17:26:39 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:25:20 2016
Response via : Initial Calibration

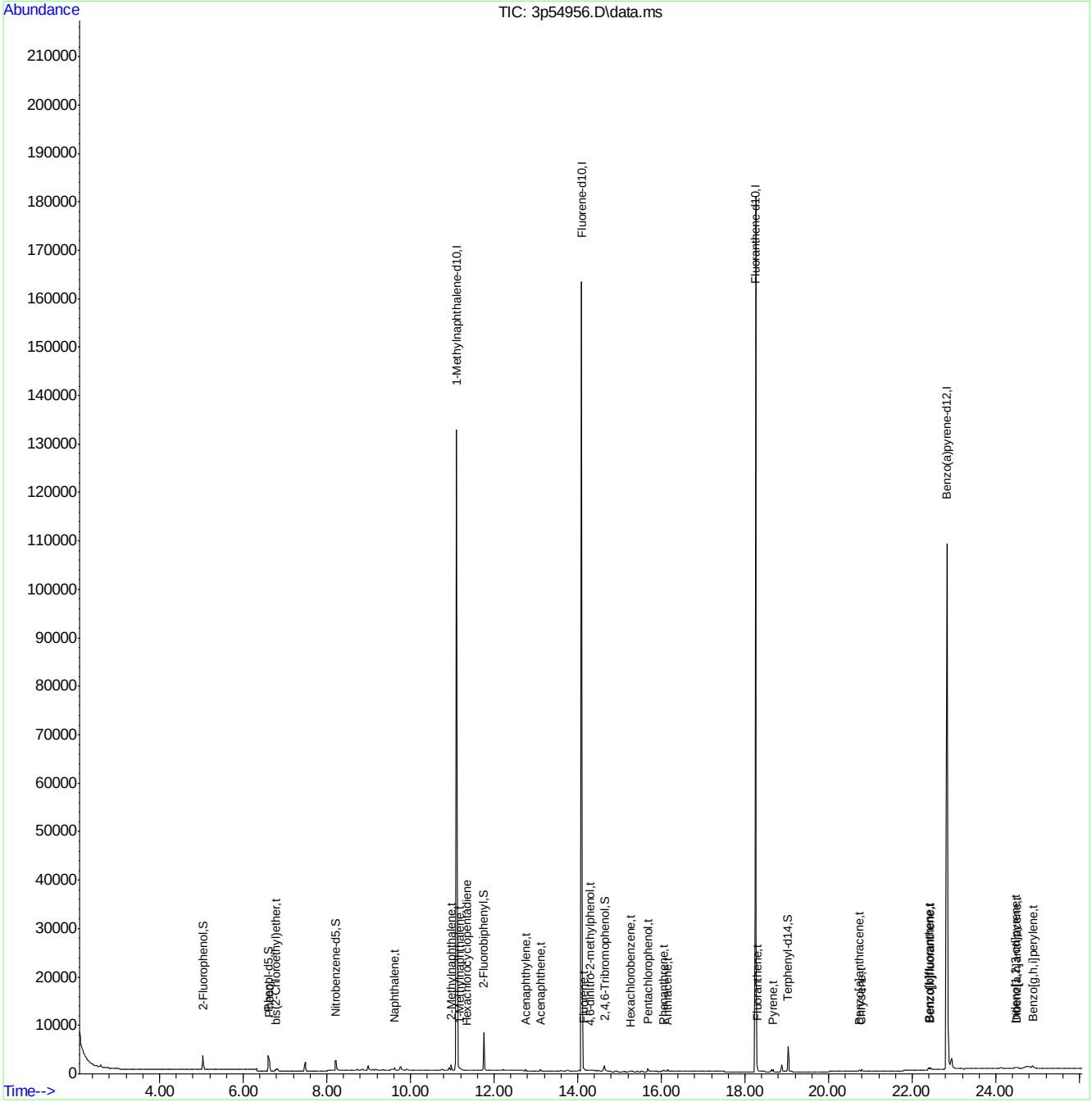
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	79545	4.00	ppm	0.00
14) Fluorene-d10	14.093	176	120952	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	177380	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.831	264	143417	4.00	ppm	0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.038	112	2956	0.25	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.50%	
4) Phenol-d5	6.602	99	4067	0.27	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.54%	
7) Nitrobenzene-d5	8.205	82	3272	0.27	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.54%	
15) 2-Fluorobiphenyl	11.756	172	6506	0.26	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.52%	
20) 2,4,6-Tribromophenol	14.639	330	685	0.17	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.34%	
28) Terphenyl-d14	19.029	244	4989	0.26	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.52%	
Target Compounds						Qvalue
5) Phenol	6.627	94	1100	0.08	ppm	# 74
6) bis(2-Chloroethyl)ether	6.772	93	171	0.01	ppm	92
9) Naphthalene	9.617	128	584	0.01	ppm	98
11) 2-Methylnaphthalene	10.977	141	822	0.03	ppm	88
12) 1-Methylnaphthalene	11.182	141	249	0.01	ppm	# 66
13) Hexachlorocyclopentadiene	11.346	237	55	0.01	ppm	96
16) Acenaphthylene	12.751	152	434	0.01	ppm	99
17) Acenaphthene	13.107	153	301	0.01	ppm	79
18) 4,6-dinitro-2-methylph...	14.300	198	137	0.07	ppm	67
19) Fluorene	14.149	166	258	0.01	ppm	96
22) Hexachlorobenzene	15.272	284	101	0.01	ppm	99
23) Pentachlorophenol	15.674	266	544	0.13	ppm	98
24) Phenanthrene	16.045	178	465	0.01	ppm	93
25) Anthracene	16.154	178	405	0.01	ppm	94
26) Fluoranthene	18.287	202	485	0.01	ppm	99
27) Pyrene	18.673	202	436	0.01	ppm	97
29) Benzo[a]anthracene	20.744	228	406	0.01	ppm	92
30) Chrysene	20.790	228	418	0.01	ppm	99
32) Benzo[b]fluoranthene	22.398	252	640	0.01	ppm	99
33) Benzo[k]fluoranthene	22.436	252	580	0.01	ppm	94
35) Indeno[1,2,3-cd]pyrene	24.467	276	485	0.01	ppm	93
36) Dibenz[a,h]anthracene	24.505	278	351	0.01	ppm	54
37) Benzo[g,h,i]perylene	24.881	276	516	0.01	ppm	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54956.D
Acq On : 6 Jul 2016 11:26 am
Operator : hankc
Sample : ic2503-0.01
Misc : op95179a,e3p2503
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 06 17:26:39 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:25:20 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54957.D
Acq On : 6 Jul 2016 11:57 am
Operator : hankc
Sample : ic2503-0.02
Misc : op95179a,e3p2503
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 06 17:27:06 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:26:47 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	105023	4.00	ppm	# 0.00
14) Fluorene-d10	14.093	176	158303	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	232382	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.831	264	188456	4.00	ppm	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.038	112	7602	0.49	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.98%	
4) Phenol-d5	6.602	99	10549	0.53	ppm	0.00
Spiked Amount 50.000			Recovery	=	1.06%	
7) Nitrobenzene-d5	8.205	82	7872	0.50	ppm	0.00
Spiked Amount 50.000			Recovery	=	1.00%	
15) 2-Fluorobiphenyl	11.756	172	17810	0.47	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.94%	
20) 2,4,6-Tribromophenol	14.639	330	1705	0.31	ppm	0.00
Spiked Amount 50.000			Recovery	=	0.62%	
28) Terphenyl-d14	19.028	244	13540	0.53	ppm	0.00
Spiked Amount 50.000			Recovery	=	1.06%	
Target Compounds						Qvalue
5) Phenol	6.627	94	2821	0.16	ppm	# 71
6) bis(2-Chloroethyl)ether	6.772	93	458	0.02	ppm	92
8) Nitrobenzene	8.243	77	497	0.03	ppm	69
9) Naphthalene	9.617	128	1533	0.02	ppm	96
10) Hexachlorobutadiene	9.919	225	310	0.03	ppm	85
11) 2-Methylnaphthalene	10.977	141	1456	0.05	ppm	93
12) 1-Methylnaphthalene	11.161	141	588	0.02	ppm	93
13) Hexachlorocyclopentadiene	11.346	237	123	0.02	ppm	96
16) Acenaphthylene	12.751	152	1107	0.02	ppm	97
17) Acenaphthene	13.107	153	741	0.02	ppm	82
18) 4,6-dinitro-2-methylph...	14.300	198	215	0.09	ppm	76
19) Fluorene	14.149	166	635	0.02	ppm	96
22) Hexachlorobenzene	15.257	284	279	0.02	ppm	72
23) Pentachlorophenol	15.674	266	757	0.13	ppm	96
24) Phenanthrene	16.045	178	1192	0.02	ppm	95
25) Anthracene	16.154	178	1040	0.02	ppm	93
26) Fluoranthene	18.287	202	1096	0.02	ppm	98
27) Pyrene	18.673	202	1039	0.02	ppm	96
29) Benzo[a]anthracene	20.744	228	877	0.02	ppm	95
30) Chrysene	20.790	228	998	0.02	ppm	98
32) Benzo[b]fluoranthene	22.398	252	1188	0.02	ppm	97
33) Benzo[k]fluoranthene	22.436	252	1064	0.02	ppm	95
35) Indeno[1,2,3-cd]pyrene	24.448	276	1060	0.02	ppm	91
36) Dibenz[a,h]anthracene	24.486	278	834	0.02	ppm	81
37) Benzo[g,h,i]perylene	24.881	276	1088	0.02	ppm	89

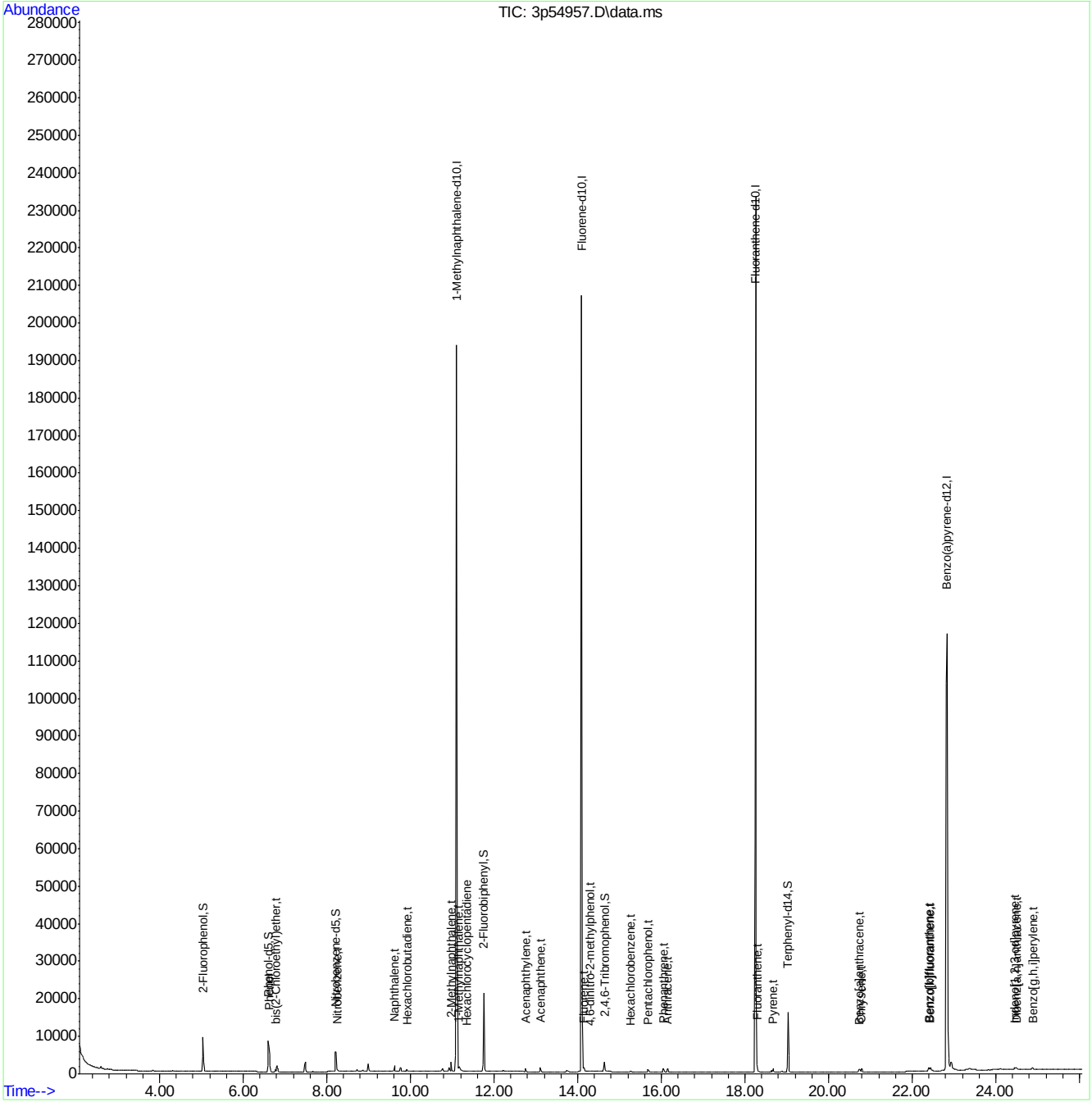
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54957.D
Acq On : 6 Jul 2016 11:57 am
Operator : hankc
Sample : ic2503-0.02
Misc : op95179a,e3p2503
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 06 17:27:06 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:26:47 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54958.D
Acq On : 6 Jul 2016 12:28 pm
Operator : hankc
Sample : ic2503-0.05
Misc : op95179a,e3p2503
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 06 17:33:36 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:33:16 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	95340	4.00	ppm	# 0.00
14) Fluorene-d10	14.093	176	145255	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	211286	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.831	264	168543	4.00	ppm	0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.039	112	17235	1.12	ppm	0.00
Spiked Amount 50.000			Recovery	=	2.24%	
4) Phenol-d5	6.603	99	23981	1.16	ppm	0.00
Spiked Amount 50.000			Recovery	=	2.32%	
7) Nitrobenzene-d5	8.205	82	17781	1.15	ppm	0.00
Spiked Amount 50.000			Recovery	=	2.30%	
15) 2-Fluorobiphenyl	11.756	172	39594	1.11	ppm	0.00
Spiked Amount 50.000			Recovery	=	2.22%	
20) 2,4,6-Tribromophenol	14.639	330	4068	0.89	ppm	0.00
Spiked Amount 50.000			Recovery	=	1.78%	
28) Terphenyl-d14	19.029	244	32347	1.23	ppm	0.00
Spiked Amount 50.000			Recovery	=	2.46%	
Target Compounds						Qvalue
2) 1,4-dioxane	2.752	88	702	0.07	ppm	70
5) Phenol	6.627	94	6117	0.20	ppm #	68
6) bis(2-Chloroethyl)ether	6.772	93	956	0.06	ppm	93
8) Nitrobenzene	8.243	77	1196	0.07	ppm	74
9) Naphthalene	9.618	128	3398	0.05	ppm	96
10) Hexachlorobutadiene	9.919	225	611	0.06	ppm	87
11) 2-Methylnaphthalene	10.977	141	2171	0.06	ppm	92
12) 1-Methylnaphthalene	11.162	141	1318	0.05	ppm	95
13) Hexachlorocyclopentadiene	11.346	237	348	0.19	ppm	94
16) Acenaphthylene	12.751	152	2693	0.05	ppm	97
17) Acenaphthene	13.107	153	1712	0.05	ppm	83
18) 4,6-dinitro-2-methylph...	14.300	198	328	0.69	ppm	83
19) Fluorene	14.149	166	1449	0.05	ppm	93
22) Hexachlorobenzene	15.257	284	620	0.05	ppm	74
23) Pentachlorophenol	15.674	266	997	0.45	ppm	99
24) Phenanthrene	16.046	178	2689	0.05	ppm	95
25) Anthracene	16.154	178	2314	0.06	ppm	92
26) Fluoranthene	18.287	202	2061	0.05	ppm	98
27) Pyrene	18.673	202	2349	0.05	ppm	93
29) Benzo[a]anthracene	20.728	228	1975	0.05	ppm	91
30) Chrysene	20.790	228	2524	0.06	ppm	99
32) Benzo[b]fluoranthene	22.398	252	2577	0.05	ppm	97
33) Benzo[k]fluoranthene	22.436	252	2325	0.05	ppm	95
34) Benzo[a]pyrene	22.850	252	2489	0.06	ppm	94
35) Indeno[1,2,3-cd]pyrene	24.448	276	2281	0.05	ppm	93
36) Dibenz[a,h]anthracene	24.486	278	1819	0.05	ppm	81
37) Benzo[g,h,i]perylene	24.881	276	2387	0.05	ppm	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54958.D
Acq On : 6 Jul 2016 12:28 pm
Operator : hankc
Sample : ic2503-0.05
Misc : op95179a,e3p2503
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 06 17:33:36 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:33:16 2016
Response via : Initial Calibration

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

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

7.5.30

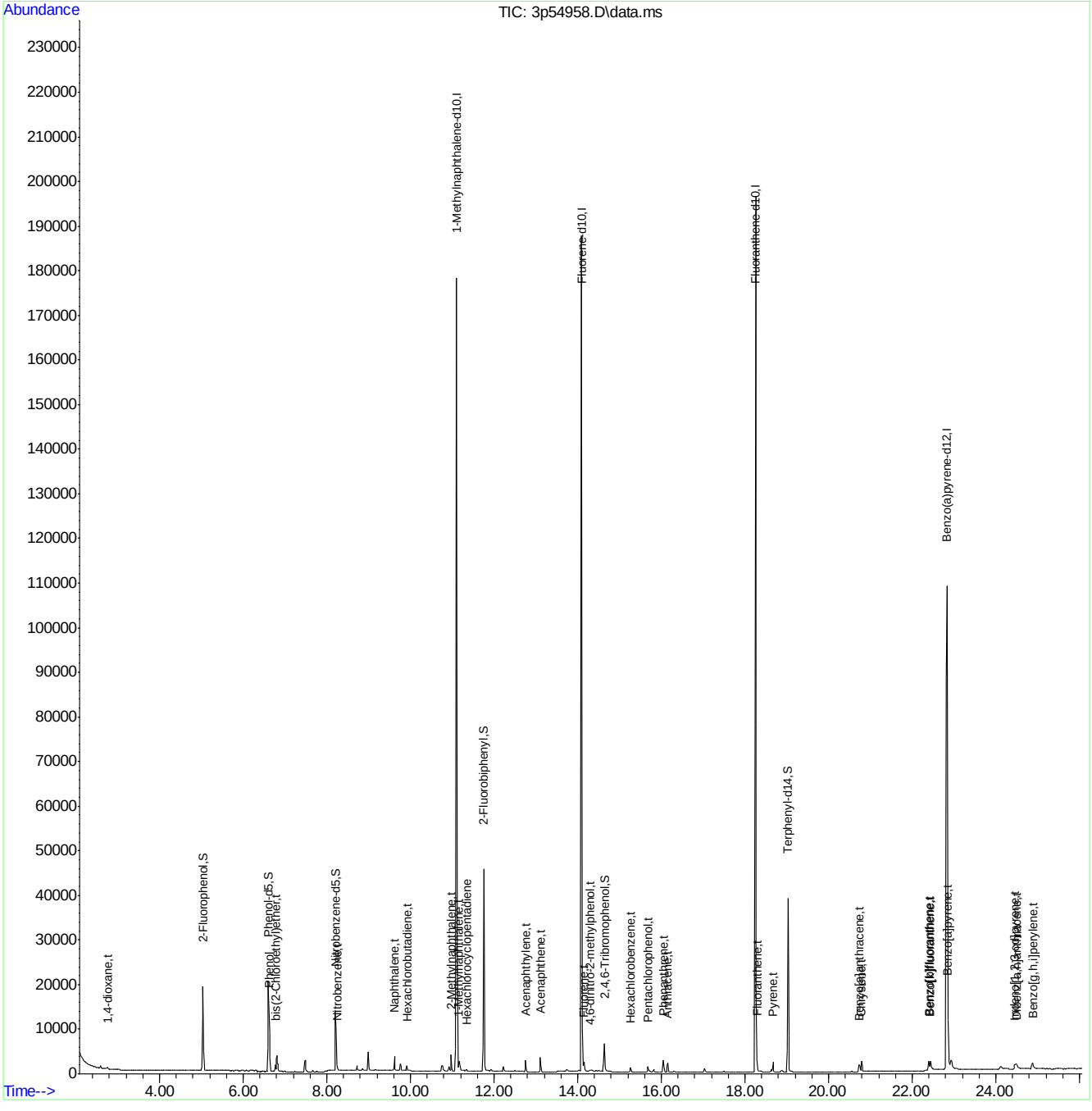
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54958.D
Acq On : 6 Jul 2016 12:28 pm
Operator : hankc
Sample : ic2503-0.05
Misc : op95179a,e3p2503
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 06 17:33:36 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:33:16 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54959.D
Acq On : 6 Jul 2016 12:59 pm
Operator : hankc
Sample : ic2503-0.1
Misc : op95179a,e3p2503
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 06 17:28:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:27:37 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	80575	4.00	ppm	# 0.00
14) Fluorene-d10	14.093	176	123488	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	180618	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.812	264	137267	4.00	ppm	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.038	112	28500	2.14	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.28%	
4) Phenol-d5	6.602	99	39059	2.20	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.40%	
7) Nitrobenzene-d5	8.205	82	28853	2.12	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.24%	
15) 2-Fluorobiphenyl	11.756	172	65085	2.04	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.08%	
20) 2,4,6-Tribromophenol	14.639	330	7100	1.68	ppm	0.00
Spiked Amount 50.000			Recovery	=	3.36%	
28) Terphenyl-d14	19.028	244	52972	2.67	ppm	0.00
Spiked Amount 50.000			Recovery	=	5.34%	
Target Compounds						Qvalue
2) 1,4-dioxane	2.751	88	847	0.10	ppm	67
5) Phenol	6.627	94	9704	0.52	ppm #	67
6) bis(2-Chloroethyl)ether	6.772	93	1520	0.10	ppm	92
8) Nitrobenzene	8.243	77	1684	0.10	ppm	71
9) Naphthalene	9.617	128	5473	0.10	ppm	97
10) Hexachlorobutadiene	9.919	225	941	0.10	ppm	85
11) 2-Methylnaphthalene	10.977	141	2843	0.09	ppm	92
12) 1-Methylnaphthalene	11.161	141	2204	0.10	ppm	92
13) Hexachlorocyclopentadiene	11.346	237	681	0.13	ppm	96
16) Acenaphthylene	12.751	152	4073	0.09	ppm	97
17) Acenaphthene	13.107	153	2759	0.10	ppm	81
18) 4,6-dinitro-2-methylph...	14.300	198	425	0.22	ppm	88
19) Fluorene	14.149	166	2457	0.10	ppm	94
22) Hexachlorobenzene	15.257	284	1013	0.10	ppm	73
23) Pentachlorophenol	15.674	266	1274	0.33	ppm	99
24) Phenanthrene	16.045	178	4363	0.10	ppm	95
25) Anthracene	16.154	178	3806	0.11	ppm	92
26) Fluoranthene	18.287	202	3534	0.10	ppm	97
27) Pyrene	18.673	202	3868	0.10	ppm	94
29) Benzo[a]anthracene	20.728	228	3076	0.09	ppm	90
30) Chrysene	20.790	228	4050	0.10	ppm	100
32) Benzo[b]fluoranthene	22.398	252	4191	0.10	ppm	97
33) Benzo[k]fluoranthene	22.436	252	3842	0.10	ppm	96
34) Benzo[a]pyrene	22.849	252	3699	0.10	ppm	94
35) Indeno[1,2,3-cd]pyrene	24.448	276	3512	0.08	ppm	93
36) Dibenz[a,h]anthracene	24.486	278	2784	0.08	ppm	83
37) Benzo[g,h,i]perylene	24.881	276	3878	0.10	ppm	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54959.D
Acq On : 6 Jul 2016 12:59 pm
Operator : hankc
Sample : ic2503-0.1
Misc : op95179a,e3p2503
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 06 17:28:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:27:37 2016
Response via : Initial Calibration

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

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

7.5.31

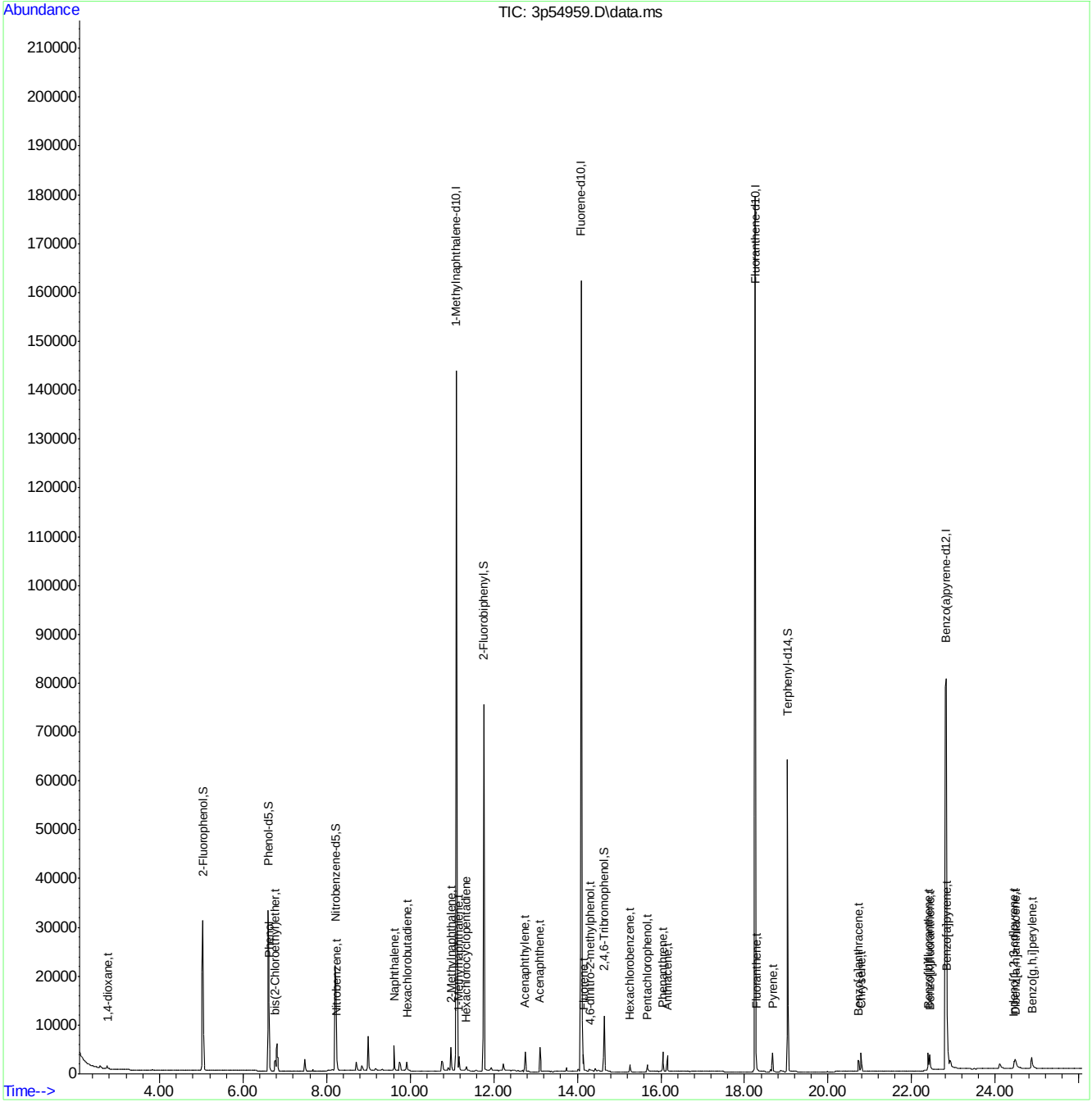
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54959.D
Acq On : 6 Jul 2016 12:59 pm
Operator : hankc
Sample : ic2503-0.1
Misc : op95179a,e3p2503
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 06 17:28:10 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:27:37 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54960.D
Acq On : 6 Jul 2016 1:30 pm
Operator : hankc
Sample : ic2503-0.2
Misc : op95179a,e3p2503
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 06 17:28:40 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:28:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Methylnaphthalene-d10	11.100	150	66048	4.00 ppm	# 0.00
14) Fluorene-d10	14.093	176	99585	4.00 ppm	0.00
21) Fluoranthene-d10	18.256	212	147162	4.00 ppm	# 0.00
31) Benzo(a)pyrene-d12	22.831	264	109620	4.00 ppm	0.02
System Monitoring Compounds					
3) 2-Fluorophenol	5.038	112	50614	4.54 ppm	0.00
Spiked Amount 50.000			Recovery	= 9.08%	
4) Phenol-d5	6.602	99	67367	4.48 ppm	0.00
Spiked Amount 50.000			Recovery	= 8.96%	
7) Nitrobenzene-d5	8.205	82	50923	4.48 ppm	0.00
Spiked Amount 50.000			Recovery	= 8.96%	
15) 2-Fluorobiphenyl	11.756	172	113318	4.39 ppm	0.00
Spiked Amount 50.000			Recovery	= 8.78%	
20) 2,4,6-Tribromophenol	14.639	330	13649	4.01 ppm	0.00
Spiked Amount 50.000			Recovery	= 8.02%	
28) Terphenyl-d14	19.029	244	90856	4.82 ppm	0.00
Spiked Amount 50.000			Recovery	= 9.64%	
Target Compounds					Qvalue
2) 1,4-dioxane	2.736	88	1458	0.21 ppm	# 1
5) Phenol	6.627	94	16041	1.04 ppm	# 65
6) bis(2-Chloroethyl)ether	6.772	93	2522	0.20 ppm	90
8) Nitrobenzene	8.243	77	3042	0.22 ppm	75
9) Naphthalene	9.617	128	9348	0.21 ppm	96
10) Hexachlorobutadiene	9.919	225	1571	0.20 ppm	86
11) 2-Methylnaphthalene	10.977	141	5404	0.22 ppm	94
12) 1-Methylnaphthalene	11.161	141	4002	0.22 ppm	95
13) Hexachlorocyclopentadiene	11.346	237	1351	0.38 ppm	96
16) Acenaphthylene	12.751	152	7514	0.22 ppm	97
17) Acenaphthene	13.107	153	4798	0.21 ppm	83
18) 4,6-dinitro-2-methylph...	14.300	198	1203	1.09 ppm	83
19) Fluorene	14.149	166	4529	0.22 ppm	93
22) Hexachlorobenzene	15.257	284	1819	0.22 ppm	73
23) Pentachlorophenol	15.674	266	2921	1.04 ppm	95
24) Phenanthrene	16.045	178	7748	0.22 ppm	95
25) Anthracene	16.154	178	6641	0.22 ppm	92
26) Fluoranthene	18.287	202	6405	0.22 ppm	96
27) Pyrene	18.673	202	7087	0.22 ppm	95
29) Benzo[a]anthracene	20.744	228	5395	0.20 ppm	93
30) Chrysene	20.790	228	6901	0.21 ppm	99
32) Benzo[b]fluoranthene	22.398	252	6998	0.20 ppm	97
33) Benzo[k]fluoranthene	22.436	252	6625	0.21 ppm	96
34) Benzo[a]pyrene	22.850	252	6076	0.20 ppm	95
35) Indeno[1,2,3-cd]pyrene	24.448	276	6396	0.21 ppm	92
36) Dibenz[a,h]anthracene	24.486	278	5103	0.21 ppm	83
37) Benzo[g,h,i]perylene	24.881	276	6671	0.21 ppm	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54960.D
Acq On : 6 Jul 2016 1:30 pm
Operator : hankc
Sample : ic2503-0.2
Misc : op95179a,e3p2503
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 06 17:28:40 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:28:34 2016
Response via : Initial Calibration

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

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

7.5.32

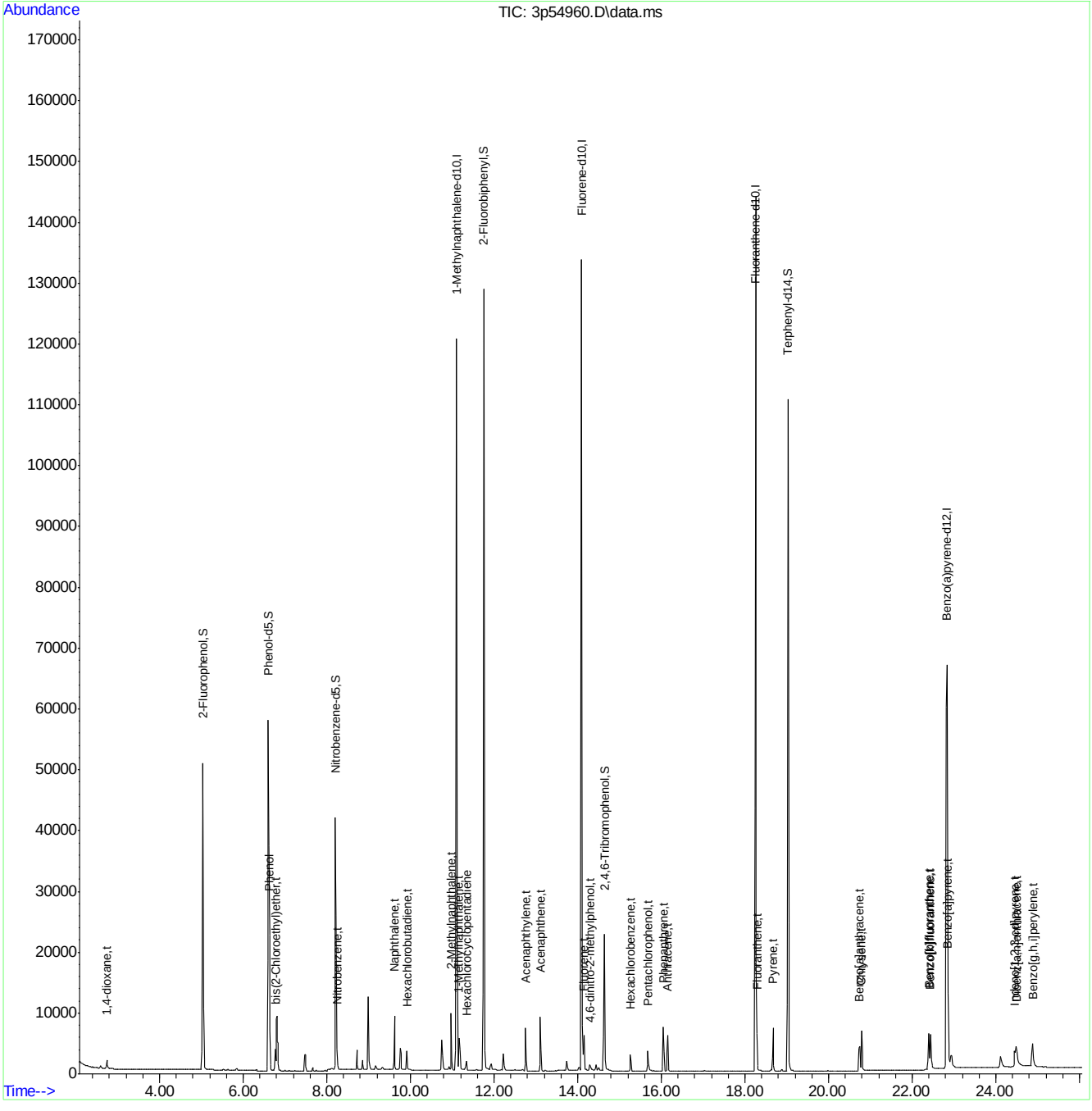
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54960.D
Acq On : 6 Jul 2016 1:30 pm
Operator : hankc
Sample : ic2503-0.2
Misc : op95179a,e3p2503
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 06 17:28:40 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:28:34 2016
Response via : Initial Calibration



M3P2503SIM.M Mon Jul 11 10:08:37 2016 Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54961.D
Acq On : 6 Jul 2016 2:02 pm
Operator : hankc
Sample : ic2503-5
Misc : op95179a,e3p2503
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 06 17:29:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:04 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	61525	4.00	ppm	0.00
14) Fluorene-d10	14.092	176	106137	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	179159	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.831	264	120627	4.00	ppm	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.038	112	647516	60.28	ppm	0.00
Spiked Amount 50.000			Recovery = 120.56%			
4) Phenol-d5	6.627	99	895989	62.13	ppm	0.02
Spiked Amount 50.000			Recovery = 124.26%			
7) Nitrobenzene-d5	8.224	82	800055	73.32	ppm	0.02
Spiked Amount 50.000			Recovery = 146.64%			
15) 2-Fluorobiphenyl	11.756	172	1343229	48.07	ppm	0.00
Spiked Amount 50.000			Recovery = 96.14%			
20) 2,4,6-Tribromophenol	14.639	330	249435	68.65	ppm	0.00
Spiked Amount 50.000			Recovery = 137.30%			
28) Terphenyl-d14	19.044	244	1032408	42.09	ppm	0.02
Spiked Amount 50.000			Recovery = 84.18%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.736	88	31180	4.74	ppm	# 49
5) Phenol	6.639	94	210004	14.51	ppm	# 79
6) bis(2-Chloroethyl)ether	6.772	93	46583	3.92	ppm	82
8) Nitrobenzene	8.243	77	41778	3.14	ppm	# 55
9) Naphthalene	9.617	128	182708	4.30	ppm	94
10) Hexachlorobutadiene	9.919	225	29671	4.00	ppm	86
11) 2-Methylnaphthalene	10.977	141	94727	4.07	ppm	97
12) 1-Methylnaphthalene	11.161	141	83239	4.78	ppm	96
13) Hexachlorocyclopentadiene	11.346	237	54397	16.63	ppm	96
16) Acenaphthylene	12.751	152	183790	4.92	ppm	93
17) Acenaphthene	13.107	153	101699	4.12	ppm	88
18) 4,6-dinitro-2-methylph...	14.300	198	87912	72.42	ppm	84
19) Fluorene	14.149	166	114988	5.18	ppm	90
22) Hexachlorobenzene	15.257	284	41582	4.05	ppm	72
23) Pentachlorophenol	15.674	266	118085	34.14	ppm	82
24) Phenanthrene	16.045	178	170430	3.90	ppm	97
25) Anthracene	16.154	178	152857	4.05	ppm	90
26) Fluoranthene	18.287	202	171110	4.72	ppm	94
27) Pyrene	18.673	202	190448	4.71	ppm	91
29) Benzo[a]anthracene	20.743	228	174583	5.31	ppm	89
30) Chrysene	20.790	228	157584	3.90	ppm	97
32) Benzo[b]fluoranthene	22.398	252	215963	5.68	ppm	92
33) Benzo[k]fluoranthene	22.436	252	159024	4.57	ppm	97
34) Benzo[a]pyrene	22.849	252	153670	4.67	ppm	96
35) Indeno[1,2,3-cd]pyrene	24.448	276	183558	5.37	ppm	93
36) Dibenz[a,h]anthracene	24.486	278	131921	4.81	ppm	54
37) Benzo[g,h,i]perylene	24.881	276	166794	4.76	ppm	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54961.D
Acq On : 6 Jul 2016 2:02 pm
Operator : hankc
Sample : ic2503-5
Misc : op95179a,e3p2503
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 06 17:29:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:04 2016
Response via : Initial Calibration

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

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

7.5.33

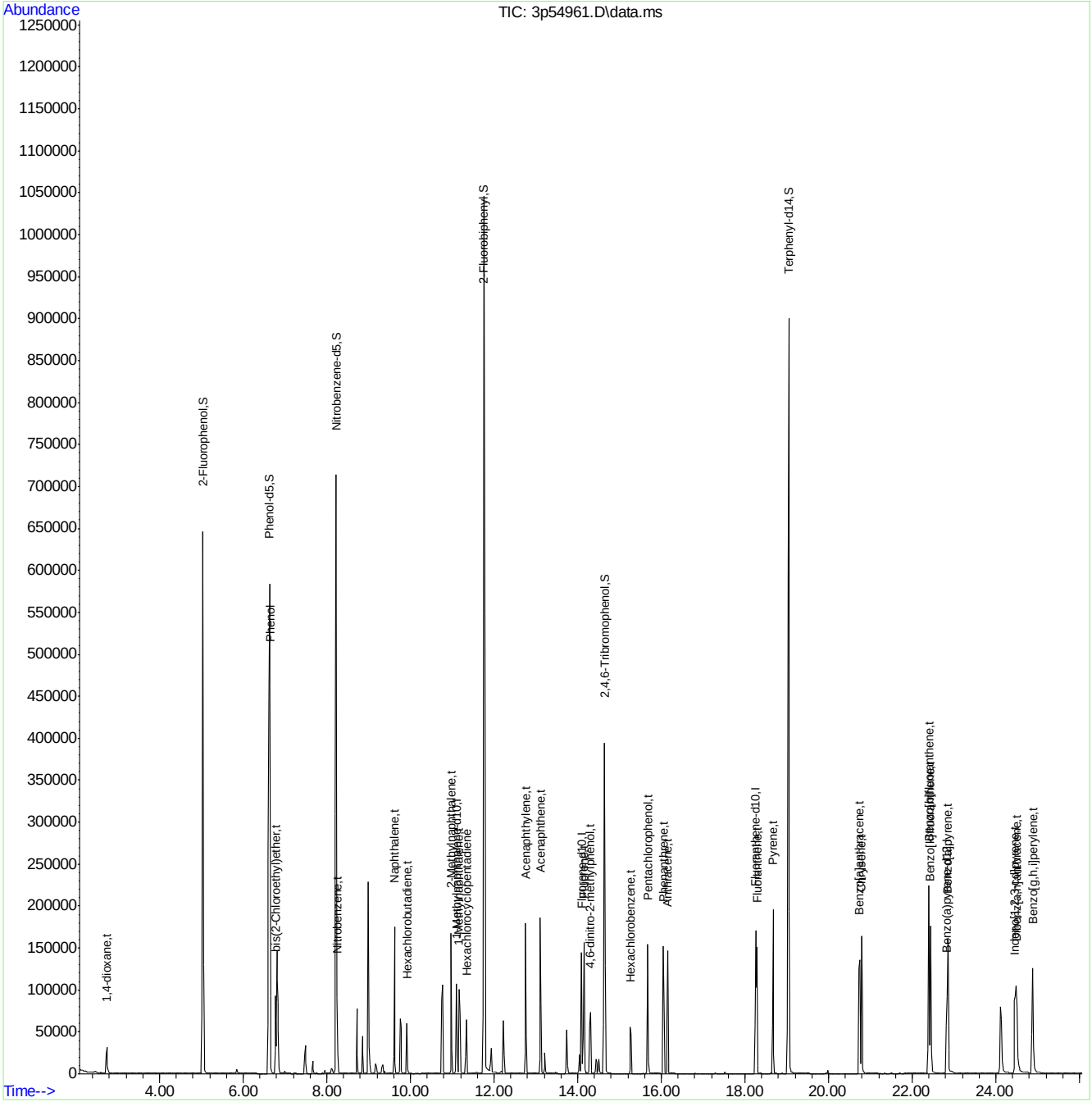
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54961.D
Acq On : 6 Jul 2016 2:02 pm
Operator : hankc
Sample : ic2503-5
Misc : op95179a,e3p2503
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 06 17:29:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:04 2016
Response via : Initial Calibration



M3P2503SIM.M Mon Jul 11 10:08:45 2016 Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54962.D
Acq On : 6 Jul 2016 2:33 pm
Operator : hankc
Sample : ic2503-2.5
Misc : op95179a,e3p2503
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 06 17:29:34 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:28 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	58818	4.00	ppm	# 0.00
14) Fluorene-d10	14.092	176	97541	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	156559	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.812	264	110080	4.00	ppm	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.038	112	376140	39.79	ppm	0.00
Spiked Amount 50.000			Recovery = 79.58%			
4) Phenol-d5	6.614	99	493254	38.71	ppm	-0.01
Spiked Amount 50.000			Recovery = 77.42%			
7) Nitrobenzene-d5	8.205	82	412360	41.76	ppm	-0.02
Spiked Amount 50.000			Recovery = 83.52%			
15) 2-Fluorobiphenyl	11.756	172	773441	30.12	ppm	0.00
Spiked Amount 50.000			Recovery = 60.24%			
20) 2,4,6-Tribromophenol	14.639	330	152849	51.12	ppm	0.00
Spiked Amount 50.000			Recovery = 102.24%			
28) Terphenyl-d14	19.028	244	672834	36.70	ppm	-0.02
Spiked Amount 50.000			Recovery = 73.40%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.736	88	14051	2.26	ppm	# 49
5) Phenol	6.627	94	109670	8.52	ppm	# 76
6) bis(2-Chloroethyl)ether	6.772	93	21874	1.99	ppm	89
8) Nitrobenzene	8.243	77	21431	1.80	ppm	75
9) Naphthalene	9.617	128	89873	2.26	ppm	94
10) Hexachlorobutadiene	9.919	225	14342	2.09	ppm	87
11) 2-Methylnaphthalene	10.977	141	48722	2.27	ppm	98
12) 1-Methylnaphthalene	11.161	141	40943	2.47	ppm	98
13) Hexachlorocyclopentadiene	11.346	237	22911	6.28	ppm	95
16) Acenaphthylene	12.751	152	86595	2.53	ppm	94
17) Acenaphthene	13.107	153	49818	2.25	ppm	86
18) 4,6-dinitro-2-methylph...	14.300	198	29862	18.16	ppm	80
19) Fluorene	14.149	166	52810	2.58	ppm	91
22) Hexachlorobenzene	15.257	284	19891	2.28	ppm	74
23) Pentachlorophenol	15.659	266	51486	15.87	ppm	86
24) Phenanthrene	16.045	178	83690	2.29	ppm	98
25) Anthracene	16.154	178	71928	2.29	ppm	90
26) Fluoranthene	18.287	202	80300	2.56	ppm	95
27) Pyrene	18.673	202	90291	2.59	ppm	92
29) Benzo[a]anthracene	20.728	228	76512	2.63	ppm	91
30) Chrysene	20.790	228	76758	2.27	ppm	98
32) Benzo[b]fluoranthene	22.398	252	97027	2.70	ppm	93
33) Benzo[k]fluoranthene	22.436	252	74773	2.41	ppm	96
34) Benzo[a]pyrene	22.849	252	68723	2.29	ppm	95
35) Indeno[1,2,3-cd]pyrene	24.448	276	82881	2.61	ppm	93
36) Dibenz[a,h]anthracene	24.486	278	57958	2.34	ppm	52
37) Benzo[g,h,i]perylene	24.881	276	76272	2.42	ppm	89

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54962.D
Acq On : 6 Jul 2016 2:33 pm
Operator : hankc
Sample : ic2503-2.5
Misc : op95179a,e3p2503
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 06 17:29:34 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:28 2016
Response via : Initial Calibration

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

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

7.5.34

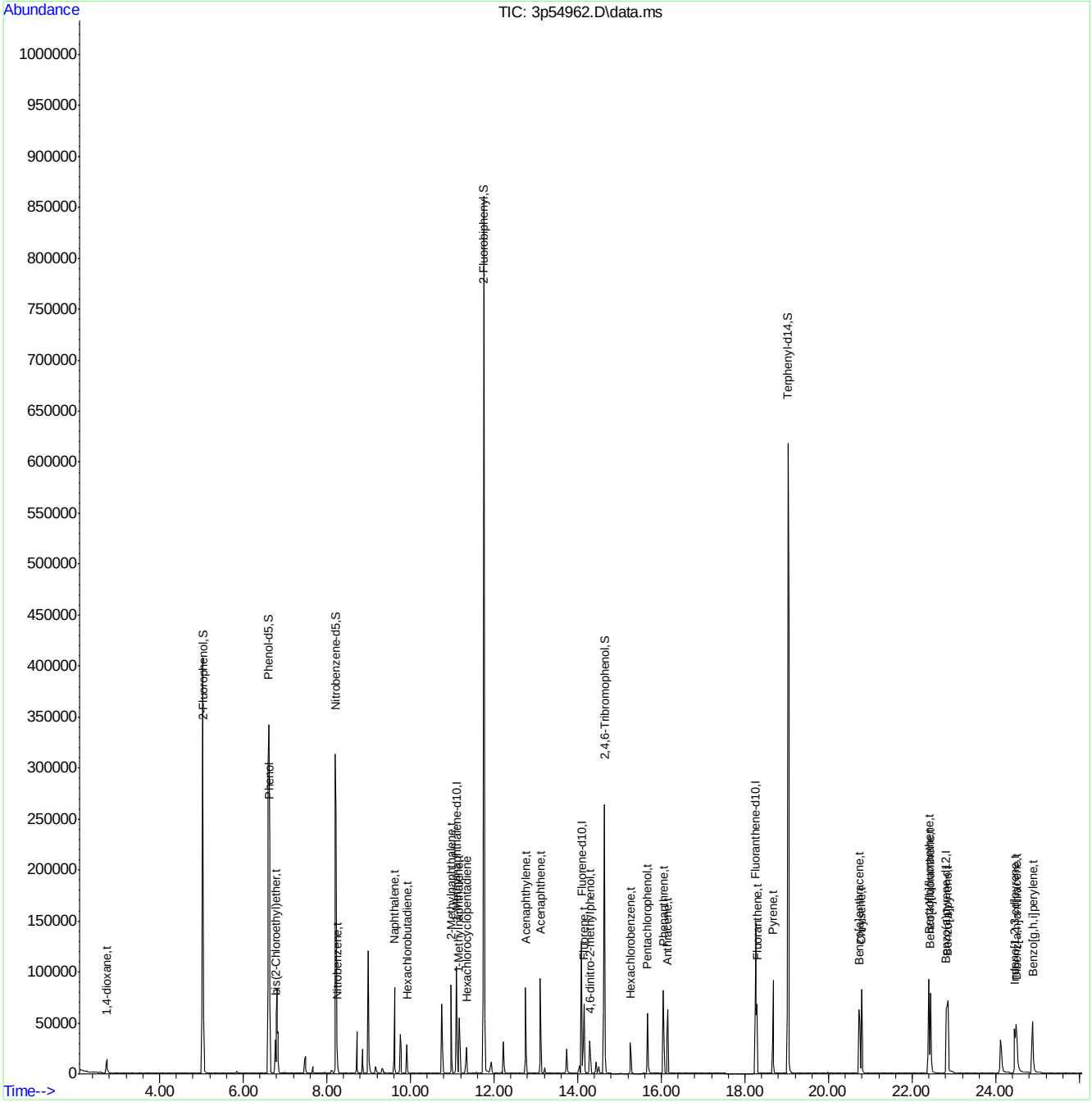
7

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54962.D
Acq On : 6 Jul 2016 2:33 pm
Operator : hankc
Sample : ic2503-2.5
Misc : op95179a,e3p2503
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 06 17:29:34 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:28 2016
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/11/16 10:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op95179a,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	81223	4.00	ppm	# 0.00
14) Fluorene-d10	14.092	176	115674	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	175349	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.812	264	126215	4.00	ppm	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.038	112	115904	9.19	ppm	0.00
Spiked Amount 50.000			Recovery	=	18.38%	
4) Phenol-d5	6.602	99	155488	9.18	ppm	-0.01
Spiked Amount 50.000			Recovery	=	18.36%	
7) Nitrobenzene-d5	8.205	82	128683	9.70	ppm	0.00
Spiked Amount 50.000			Recovery	=	19.40%	
15) 2-Fluorobiphenyl	11.756	172	266716	9.29	ppm	0.00
Spiked Amount 50.000			Recovery	=	18.58%	
20) 2,4,6-Tribromophenol	14.639	330	38410	10.77	ppm	0.00
Spiked Amount 50.000			Recovery	=	21.54%	
28) Terphenyl-d14	19.028	244	221305	11.38	ppm	0.00
Spiked Amount 50.000			Recovery	=	22.76%	
Target Compounds						Qvalue
2) 1,4-dioxane	2.736	88	3525	0.42	ppm	# 42
5) Phenol	6.627	94	34474	2.03	ppm	# 62
6) bis(2-Chloroethyl)ether	6.772	93	5883	0.40	ppm	86
8) Nitrobenzene	8.243	77	6653	0.42	ppm	80
9) Naphthalene	9.617	128	23203	0.43	ppm	96
10) Hexachlorobutadiene	9.919	225	3815	0.41	ppm	87
11) 2-Methylnaphthalene	10.977	141	13042	0.45	ppm	96
12) 1-Methylnaphthalene	11.161	141	10262	0.45	ppm	97
13) Hexachlorocyclopentadiene	11.346	237	4486	0.85	ppm	95
16) Acenaphthylene	12.751	152	20901	0.51	ppm	96
17) Acenaphthene	13.107	153	12707	0.49	ppm	84
18) 4,6-dinitro-2-methylph...	14.281	198	3583	1.68	ppm	# 1
19) Fluorene	14.149	166	12043	0.49	ppm	92
22) Hexachlorobenzene	15.257	284	4853	0.50	ppm	75
23) Pentachlorophenol	15.674	266	9025	2.38	ppm	88
24) Phenanthrene	16.045	178	21809	0.54	ppm	96
25) Anthracene	16.154	178	18101	0.52	ppm	91
26) Fluoranthene	18.287	202	17629	0.50	ppm	96
27) Pyrene	18.673	202	19967	0.51	ppm	94
29) Benzo[a]anthracene	20.728	228	16414	0.50	ppm	91
30) Chrysene	20.790	228	19513	0.52	ppm	98
32) Benzo[b]fluoranthene	22.398	252	20946m	0.50	ppm	
33) Benzo[k]fluoranthene	22.436	252	17265m	0.49	ppm	
34) Benzo[a]pyrene	22.849	252	14751	0.44	ppm	95
35) Indeno[1,2,3-cd]pyrene	24.448	276	17213	0.47	ppm	93
36) Dibenz[a,h]anthracene	24.486	278	13842	0.49	ppm	82
37) Benzo[g,h,i]perylene	24.881	276	17492	0.49	ppm	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op95179a,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration

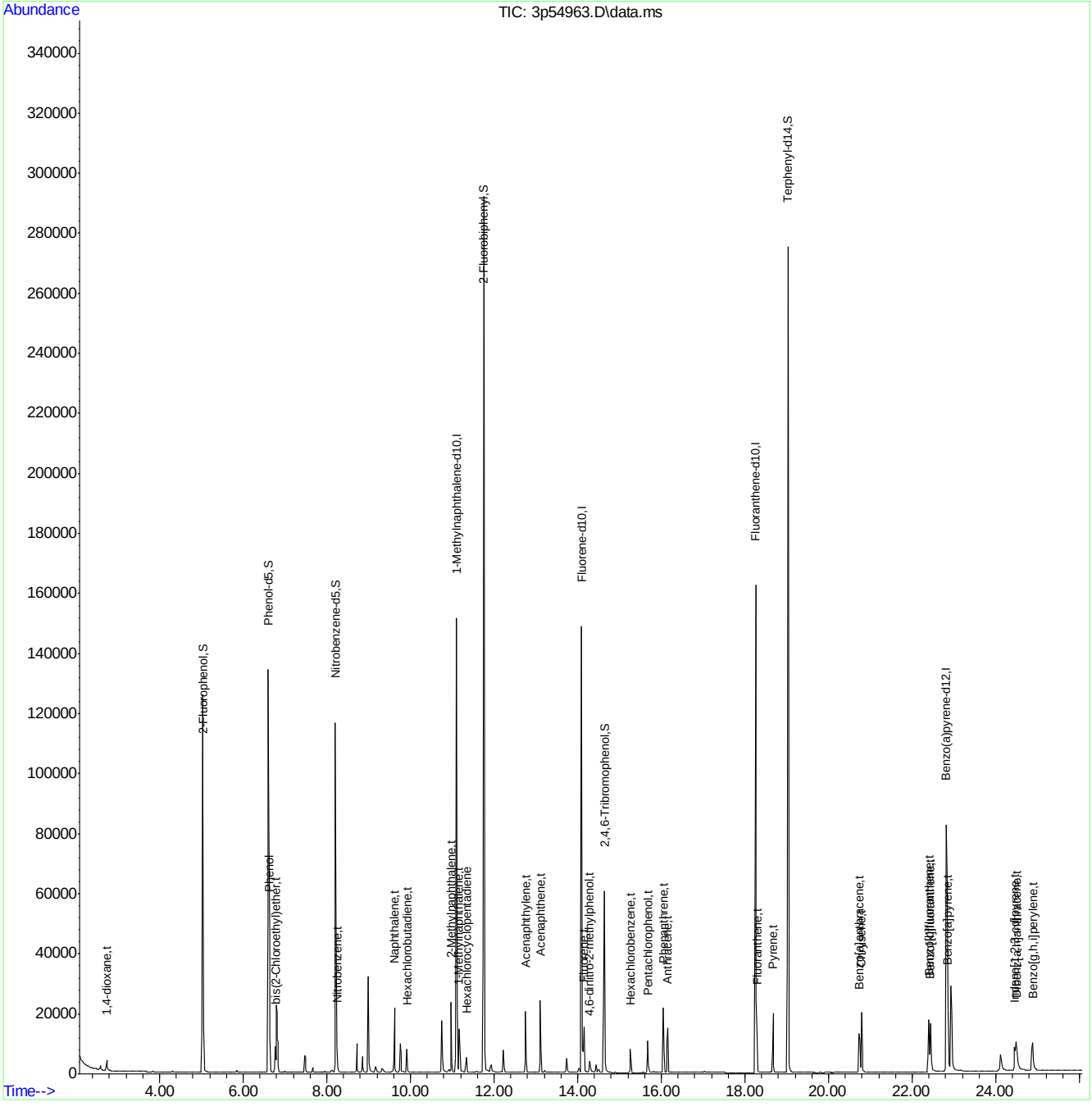
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op95179a,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration



Manual Integration Approval Summary

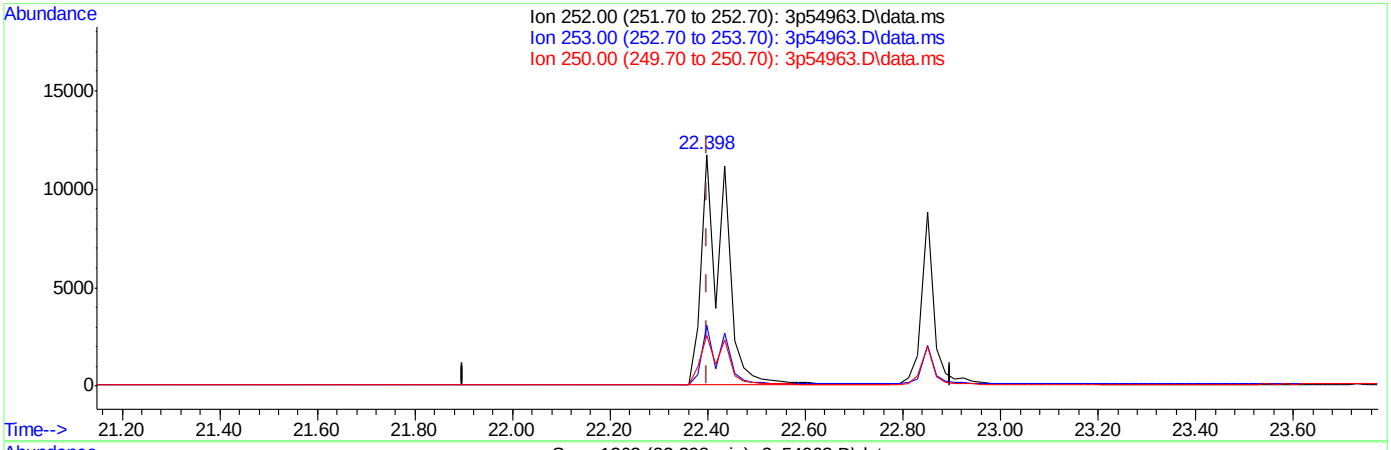
Sample Number:	E3P2503-IC2503	**Method:**	SW846 8270D BY SIM
Lab FileID:	3P54963.D	**Analyst approved:**	07/11/16 10:13 Ashley Dye
Injection Time:	07/06/16 15:04	**Supervisor approved:**	07/11/16 10:45 Nina Pandya

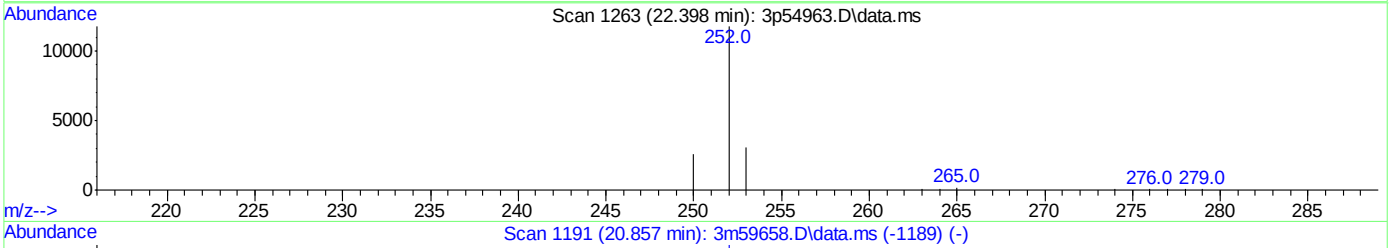
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		22.40	Overlapping peak
Benzo(k)fluoranthene	207-08-9		22.44	Overlapping peak

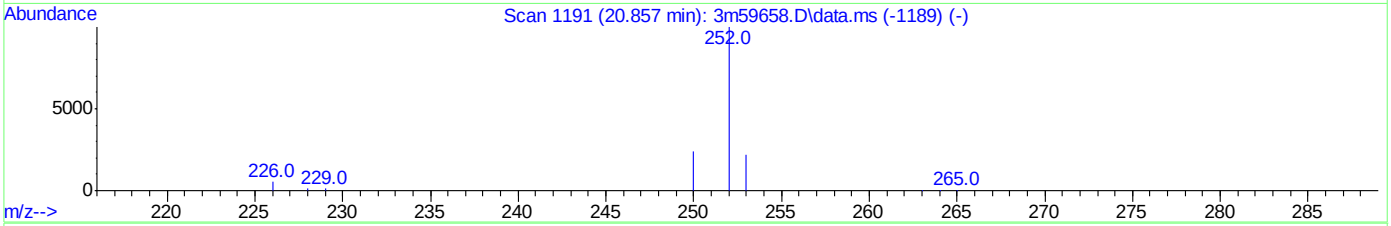
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op94978,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:33 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration







TIC: 3p54963.D\data.ms

(32) Benzo[b]fluoranthene (t)

22.398min (+0.000) 0.94ppm

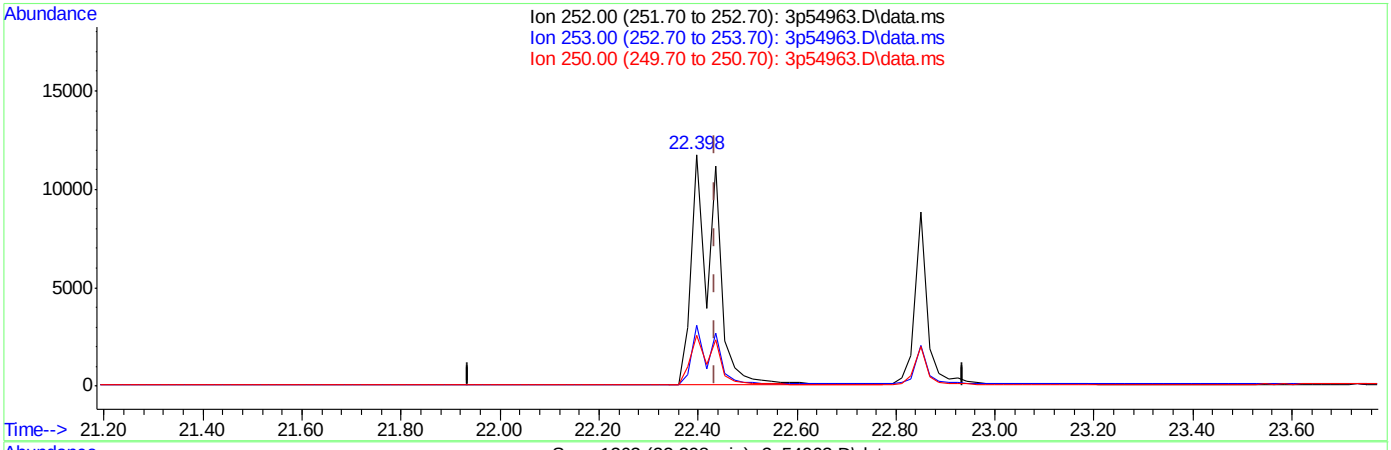
response 39195

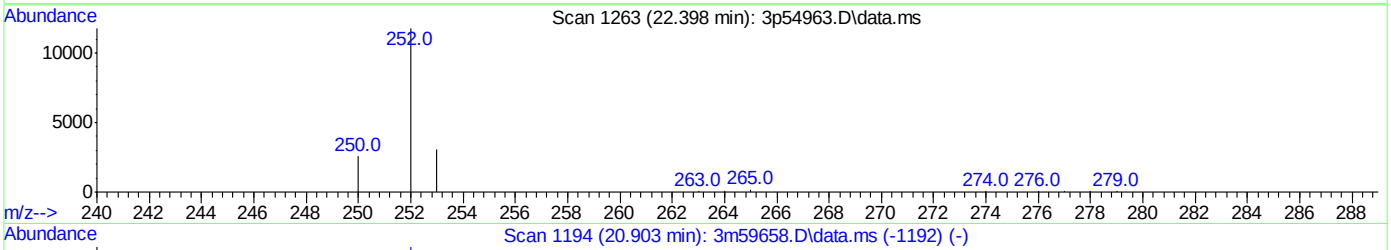
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.51
250.00	23.10	21.50
0.00	0.00	0.00

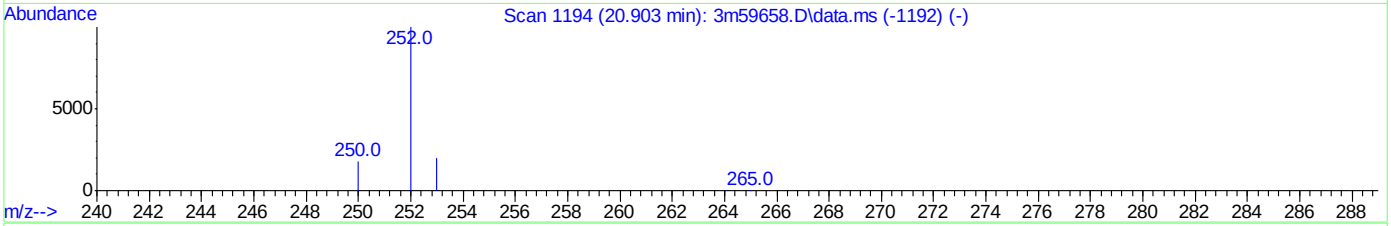
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op94978,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:33 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration







TIC: 3p54963.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.398min (-0.038) 1.11ppm

response 39195

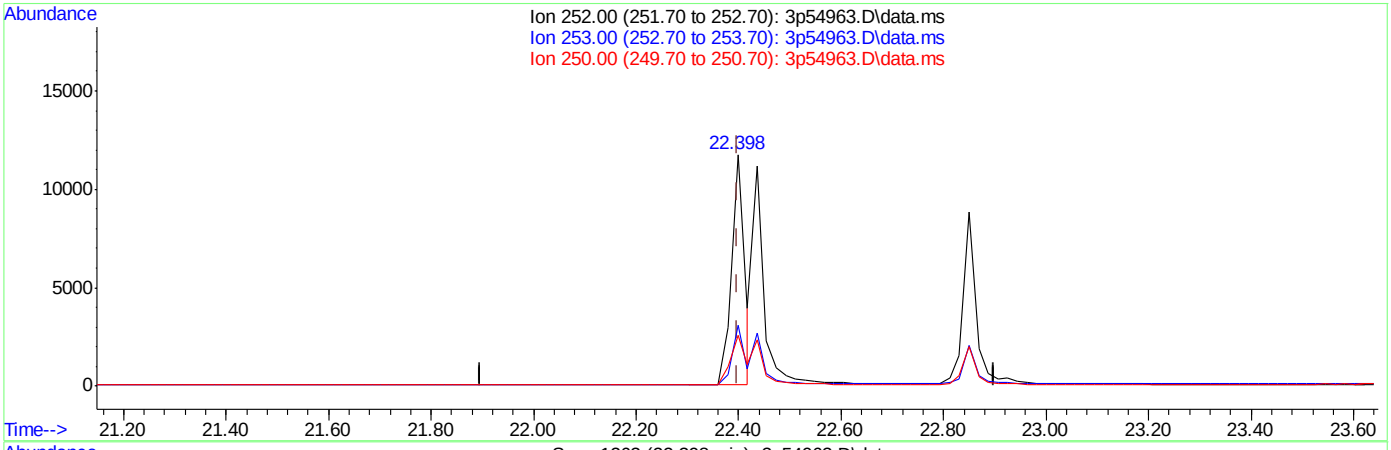
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	25.51
250.00	23.10	21.50
0.00	0.00	0.00

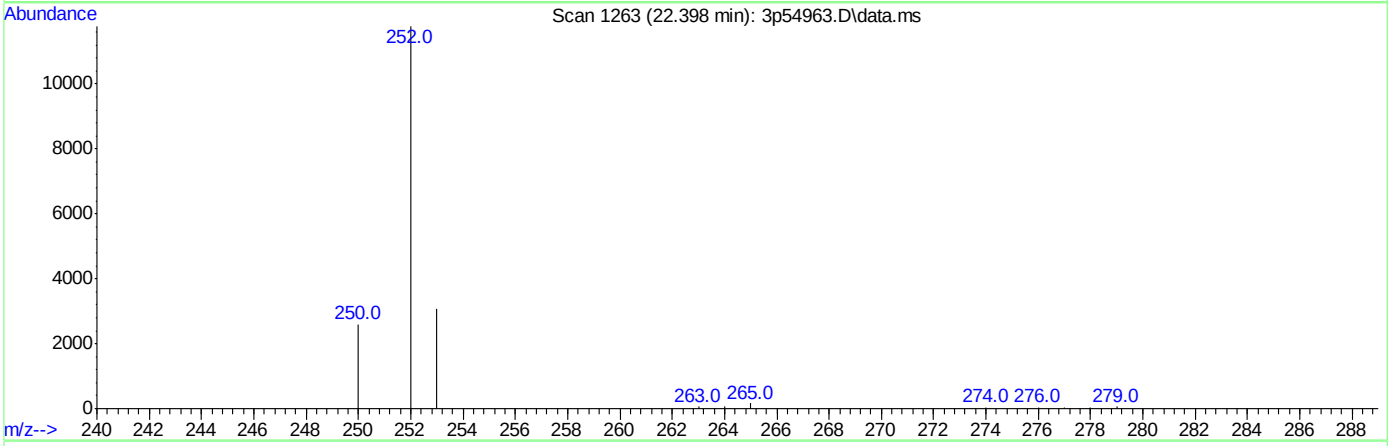
SGS ACCUTEST JC24003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op95179a,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration





TIC: 3p54963.D\data.ms

(32) Benzo[b]fluoranthene (t)

22.398min (+0.000) 0.50ppm m

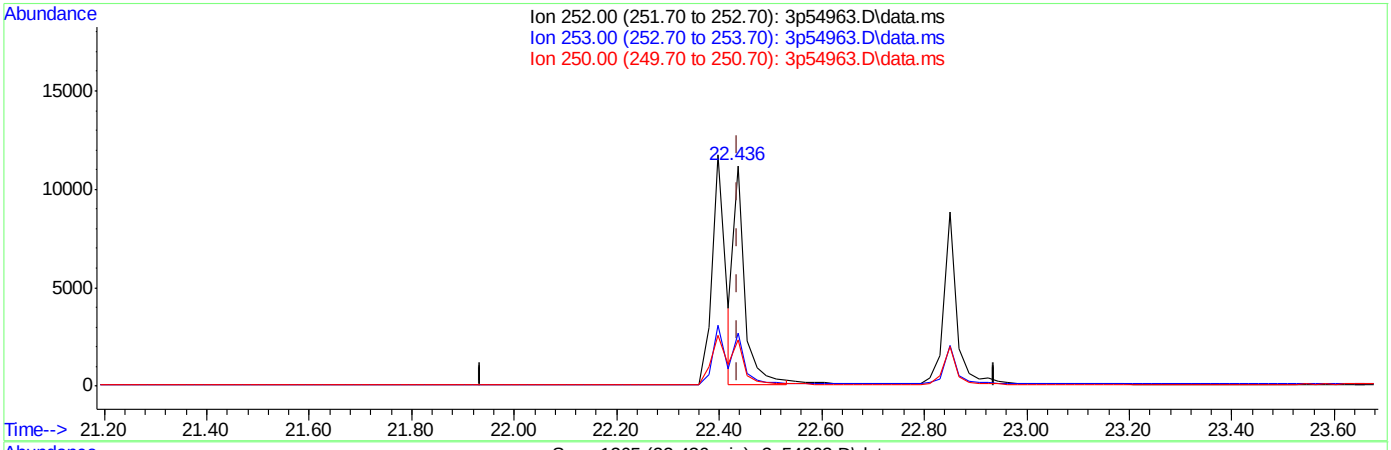
response 20946

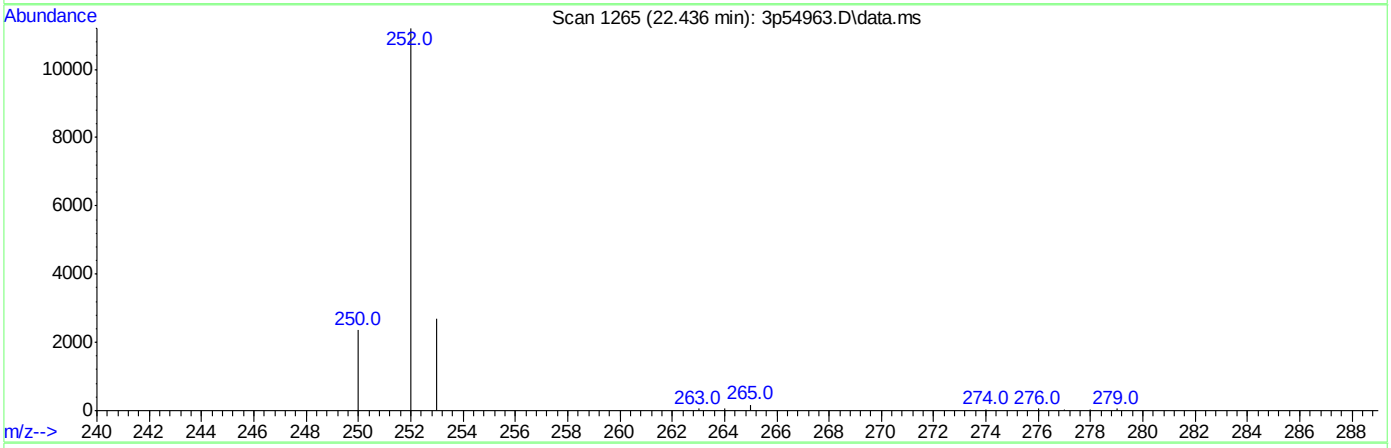
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	26.15
250.00	23.10	22.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54963.D
Acq On : 6 Jul 2016 3:04 pm
Operator : hankc
Sample : ic2503-0.5
Misc : op95179a,e3p2503
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 06 17:30:52 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:29:51 2016
Response via : Initial Calibration





TIC: 3p54963.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.436min (+0.000) 0.49ppm m

response 17265

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	23.92
250.00	23.10	21.02
0.00	0.00	0.00

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54964.D
Acq On : 6 Jul 2016 5:37 pm
Operator : hankc
Sample : icv2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 07 09:41:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration

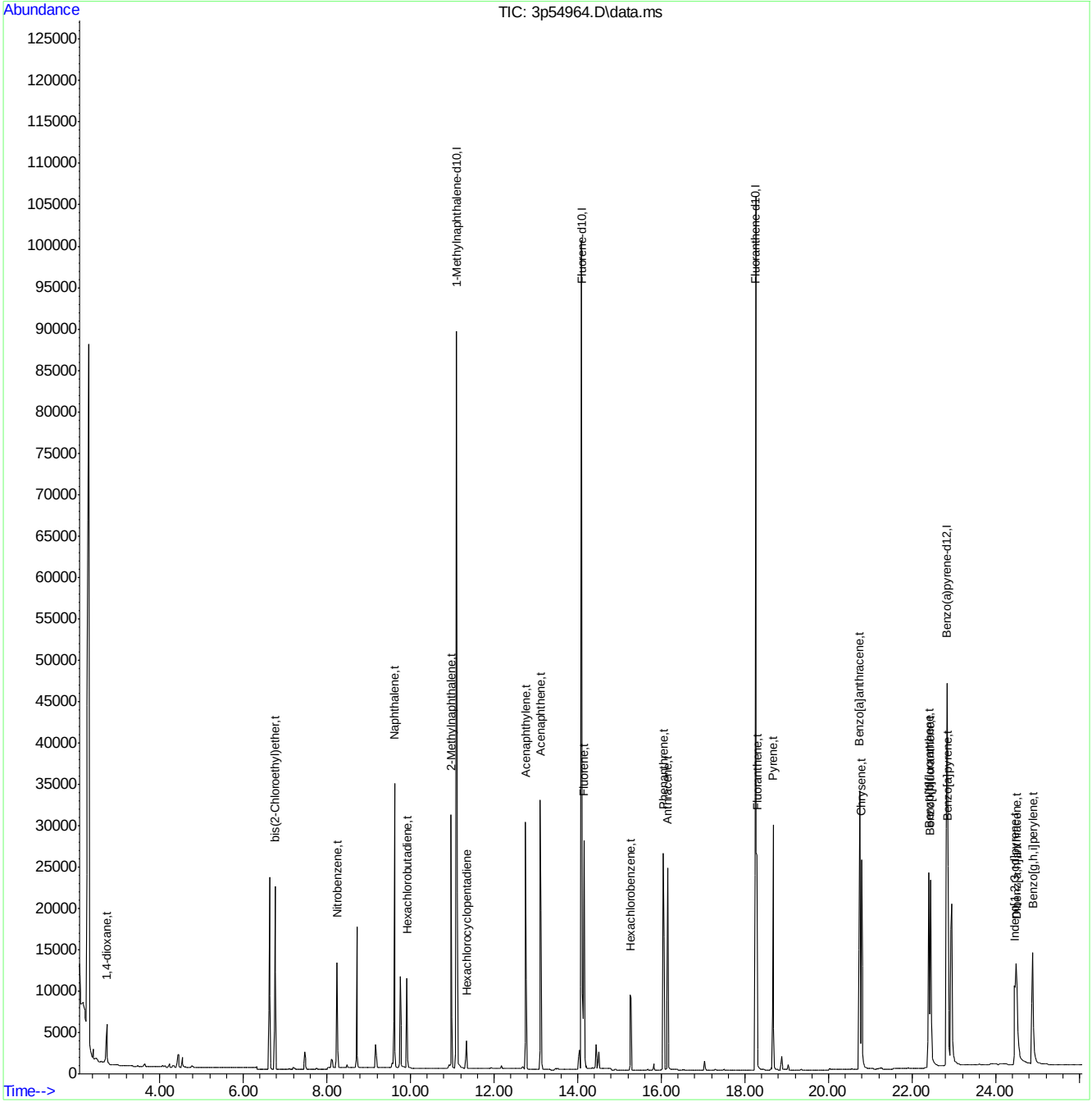
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	11.100	150	52064	4.00	ppm		0.00
14) Fluorene-d10	14.093	176	72894	4.00	ppm		0.00
21) Fluoranthene-d10	18.256	212	105662	4.00	ppm	#	0.00
31) Benzo(a)pyrene-d12	22.831	264	66096	4.00	ppm		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	0.000	112	0	0.00	ppm		
Spiked Amount 50.000			Recovery	=	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppm		
Spiked Amount 50.000			Recovery	=	0.00%		
7) Nitrobenzene-d5	0.000	82	0d	0.00	ppm		
Spiked Amount 50.000			Recovery	=	0.00%		
15) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm		
Spiked Amount 50.000			Recovery	=	0.00%		
20) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppm		
Spiked Amount 50.000			Recovery	=	0.00%		
28) Terphenyl-d14	0.000	244	0d	0.00	ppm		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-dioxane	2.736	88	4123	0.79	ppm		58
6) bis(2-Chloroethyl)ether	6.760	93	12301	1.33	ppm	#	61
8) Nitrobenzene	8.243	77	11052	1.18	ppm		76
9) Naphthalene	9.618	128	37061	1.08	ppm		95
10) Hexachlorobutadiene	9.919	225	6032	1.04	ppm		85
11) 2-Methylnaphthalene	10.977	141	18358	1.00	ppm		92
13) Hexachlorocyclopentadiene	11.346	237	2810	0.90	ppm		99
16) Acenaphthylene	12.751	152	30926	1.20	ppm		98
17) Acenaphthene	13.107	153	19615	1.20	ppm		78
19) Fluorene	14.149	166	19330	1.26	ppm		95
22) Hexachlorobenzene	15.257	284	7137	1.22	ppm		69
24) Phenanthrene	16.046	178	30829	1.25	ppm		94
25) Anthracene	16.154	178	24958	1.19	ppm		93
26) Fluoranthene	18.287	202	27399	1.29	ppm		97
27) Pyrene	18.673	202	29057	1.22	ppm		96
29) Benzo[a]anthracene	20.744	228	26055	1.32	ppm		93
30) Chrysene	20.790	228	23433	1.04	ppm		99
32) Benzo[b]fluoranthene	22.398	252	25649	1.17	ppm		97
33) Benzo[k]fluoranthene	22.436	252	25258	1.37	ppm		96
34) Benzo[a]pyrene	22.850	252	21343	1.24	ppm		95
35) Indeno[1,2,3-cd]pyrene	24.448	276	23238	1.22	ppm		92
36) Dibenz[a,h]anthracene	24.486	278	18197	1.24	ppm		86
37) Benzo[g,h,i]perylene	24.881	276	22938	1.22	ppm		89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54964.D
Acq On : 6 Jul 2016 5:37 pm
Operator : hankc
Sample : icv2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 07 09:41:20 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration



M3P2503SIM.M Mon Jul 11 10:09:14 2016 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54965.D
Acq On : 6 Jul 2016 6:08 pm
Operator : hankc
Sample : icv2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 07 09:19:21 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	11.100	150	53847	4.00	ppm	# 0.00
14) Fluorene-d10	14.092	176	72209	4.00	ppm	0.00
21) Fluoranthene-d10	18.256	212	102579	4.00	ppm	# 0.00
31) Benzo(a)pyrene-d12	22.812	264	71944	4.00	ppm	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
4) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
7) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
15) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
20) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
28) Terphenyl-d14	0.000	244	0d	0.00	ppm	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						Qvalue
5) Phenol	6.614	94	60582	6.97	ppm	# 86
18) 4,6-dinitro-2-methylph...	14.281	198	4546	3.89	ppm	# 1
23) Pentachlorophenol	15.674	266	11230	4.41	ppm	89

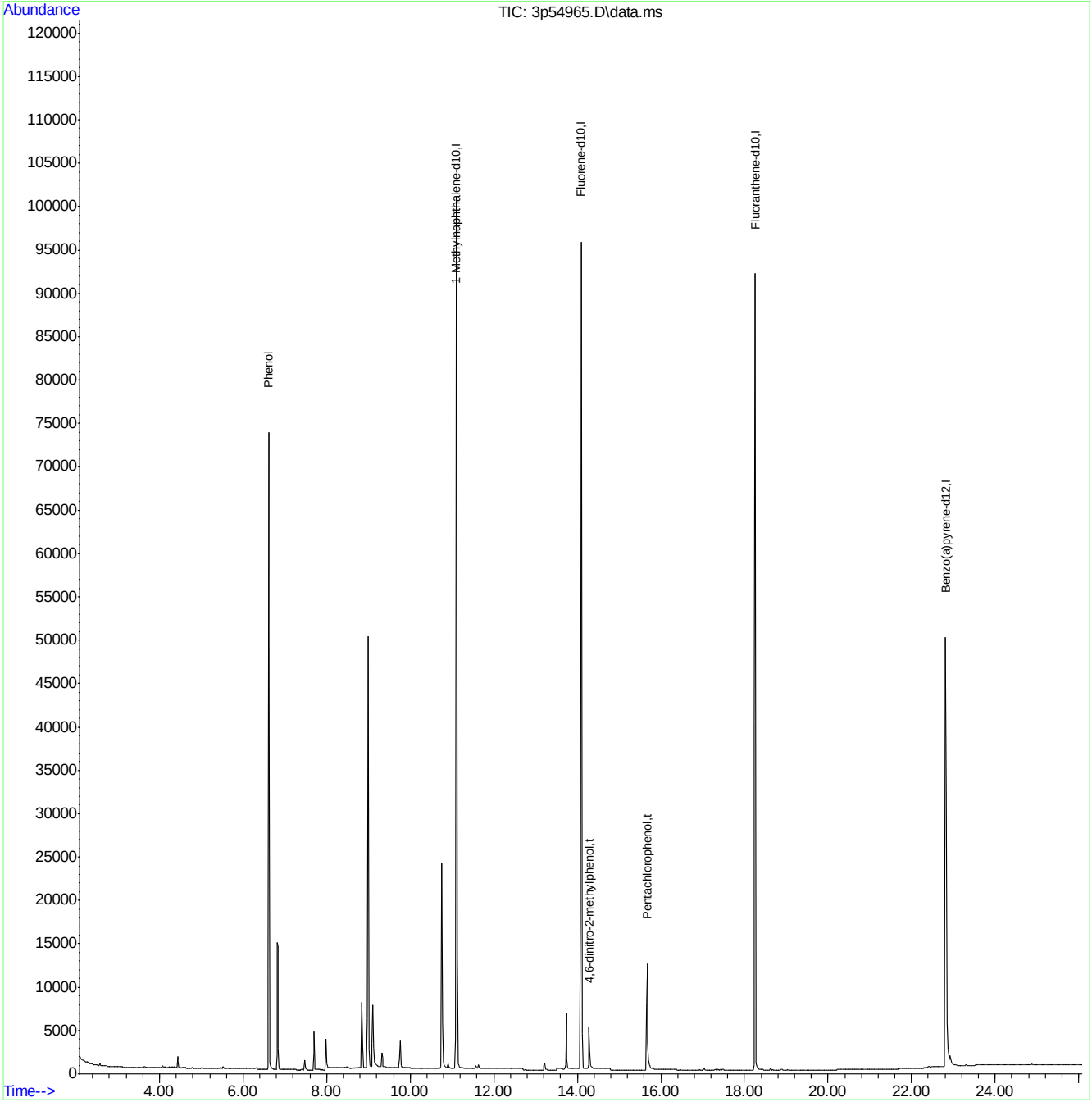
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2503\
Data File : 3p54965.D
Acq On : 6 Jul 2016 6:08 pm
Operator : hankc
Sample : icv2503-1.0
Misc : op95179a,e3p2503
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 07 09:19:21 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration



M3P2503SIM.M Mon Jul 11 10:09:22 2016 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/15/16 09:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On : 14 Jul 2016 9:52 am
Operator : hankc
Sample : cc2503-0.5
Misc : op95332a,e3p2511
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 14:37:45 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	10.977	150	80651	4.00	ppm	#-0.12
14) Fluorene-d10	13.961	176	109331	4.00	ppm	-0.13
21) Fluoranthene-d10	18.117	212	171009	4.00	ppm	#-0.08
31) Benzo(a)pyrene-d12	22.680	264	125504	4.00	ppm	-0.09
System Monitoring Compounds						
3) 2-Fluorophenol	4.930	112	124131	9.53	ppm	-0.11
Spiked Amount 50.000			Recovery = 19.06%			
4) Phenol-d5	6.494	99	168803	9.68	ppm	-0.11
Spiked Amount 50.000			Recovery = 19.36%			
7) Nitrobenzene-d5	8.092	82	139479	10.64	ppm	-0.11
Spiked Amount 50.000			Recovery = 21.28%			
15) 2-Fluorobiphenyl	11.633	172	259491	9.64	ppm	-0.12
Spiked Amount 50.000			Recovery = 19.28%			
20) 2,4,6-Tribromophenol	14.507	330	38949	11.38	ppm	-0.13
Spiked Amount 50.000			Recovery = 22.76%			
28) Terphenyl-d14	18.889	244	235375	10.45	ppm	-0.07
Spiked Amount 50.000			Recovery = 20.90%			
Target Compounds						Qvalue
2) 1,4-dioxane	2.643	88	4569	0.56	ppm #	49
5) Phenol	6.518	94	38245	2.69	ppm #	74
6) bis(2-Chloroethyl)ether	6.651	93	7091	0.49	ppm	88
8) Nitrobenzene	8.130	77	7048	0.48	ppm	81
9) Naphthalene	9.486	128	27444	0.52	ppm	98
10) Hexachlorobutadiene	9.787	225	4196	0.47	ppm	78
11) 2-Methylnaphthalene	10.854	141	14017	0.49	ppm	83
12) 1-Methylnaphthalene	11.038	141	12956	0.58	ppm	80
13) Hexachlorocyclopentadiene	11.202	237	4770	0.97	ppm	81
16) Acenaphthylene	12.618	152	19043	0.49	ppm	60
17) Acenaphthene	12.967	153	14388	0.59	ppm	80
18) 4,6-dinitro-2-methylph...	14.168	198	4940	3.03	ppm	96
19) Fluorene	13.998	166	13437	0.58	ppm	84
22) Hexachlorobenzene	15.118	284	5210	0.55	ppm	79
23) Pentachlorophenol	15.535	266	9664	2.41	ppm	96
24) Phenanthrene	15.906	178	23508	0.59	ppm	98
25) Anthracene	16.014	178	15819	0.47	ppm	91
26) Fluoranthene	18.148	202	18703	0.54	ppm	99
27) Pyrene	18.534	202	20049	0.52	ppm	96
29) Benzo[a]anthracene	20.604	228	14801	0.46	ppm	98
30) Chrysene	20.651	228	19625	0.54	ppm	98
32) Benzo[b]fluoranthene	22.258	252	22383m	0.54	ppm	
33) Benzo[k]fluoranthene	22.304	252	9479m	0.27	ppm	
34) Benzo[a]pyrene	22.699	252	12784	0.39	ppm	89
35) Indeno[1,2,3-cd]pyrene	24.279	276	18589	0.51	ppm	94
36) Dibenz[a,h]anthracene	24.317	278	15385	0.55	ppm	53
37) Benzo[g,h,i]perylene	24.674	276	17280	0.49	ppm	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On : 14 Jul 2016 9:52 am
Operator : hankc
Sample : cc2503-0.5
Misc : op95332a,e3p2511
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 14:37:45 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration

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

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

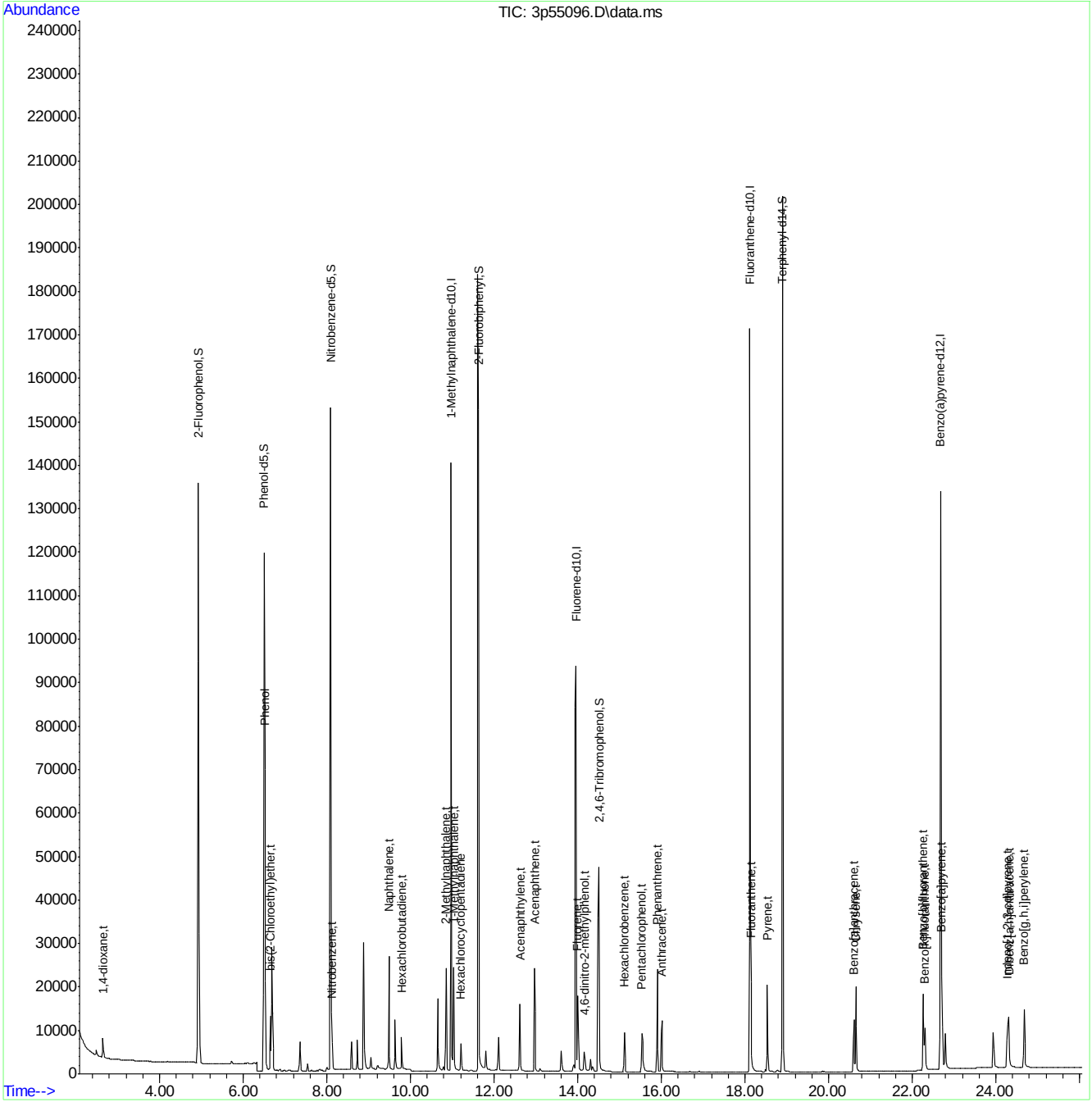
7.5.38

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On : 14 Jul 2016 9:52 am
Operator : hankc
Sample : cc2503-0.5
Misc : op95332a,e3p2511
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 14:37:45 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration



M3P2503SIM.M Thu Jul 14 14:38:49 2016 Page: 3

SGS ACCUTEST JC24003

Manual Integration Approval Summary

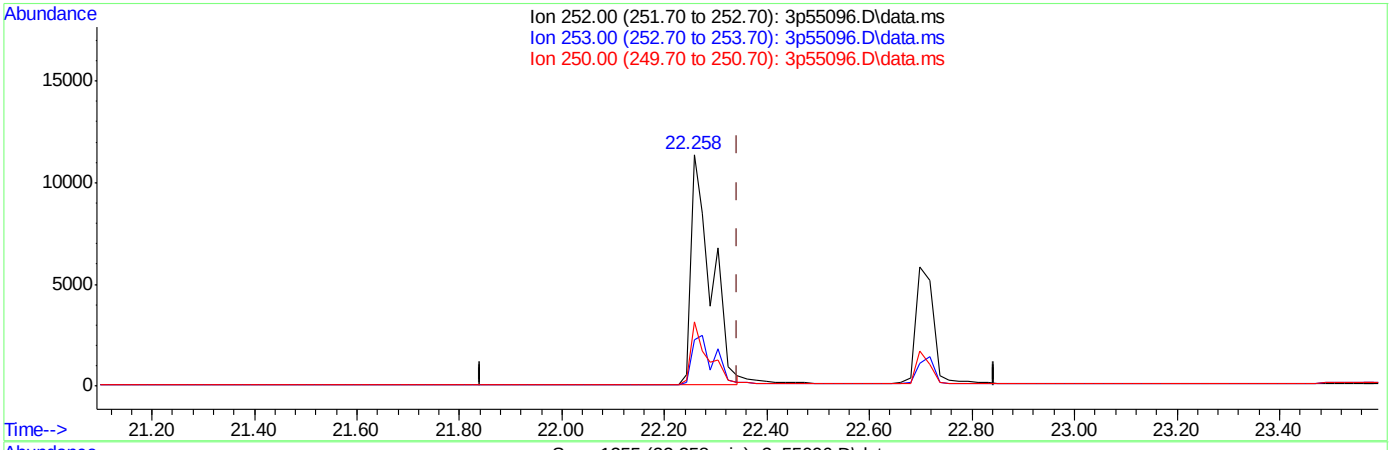
Sample Number:	E3P2511-CC2503	**Method:**	SW846 8270D BY SIM
Lab FileID:	3P55096.D	**Analyst approved:**	07/14/16 15:47 Hank Chao
Injection Time:	07/14/16 09:52	**Supervisor approved:**	07/15/16 09:47 Nina Pandya

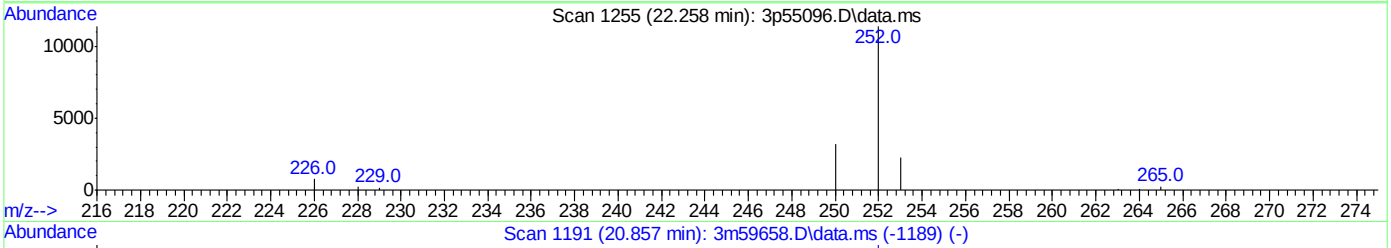
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		22.26	Overlapping peak
Benzo(k)fluoranthene	207-08-9		22.30	Overlapping peak

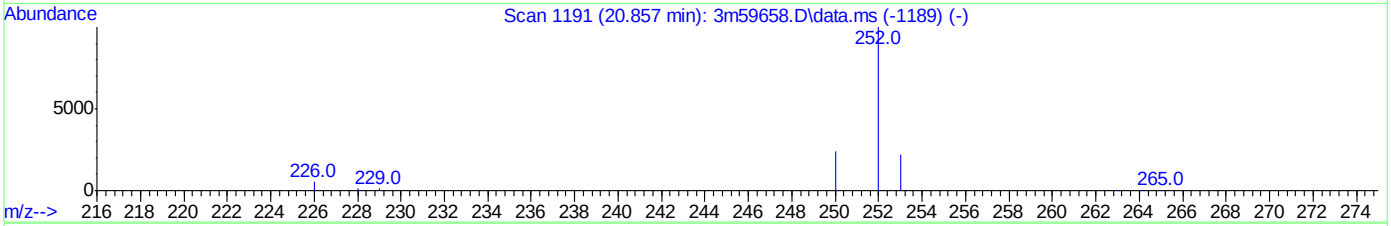
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On : 14 Jul 2016 9:52 am
Operator : hankc
Sample : cc2503-0.5
Misc : op95332a,e3p2511
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 10:23:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration







TIC: 3p55096.D\data.ms

(32) Benzo[b]fluoranthene (t)

22.258min (-0.085) 0.76ppm

response 31574

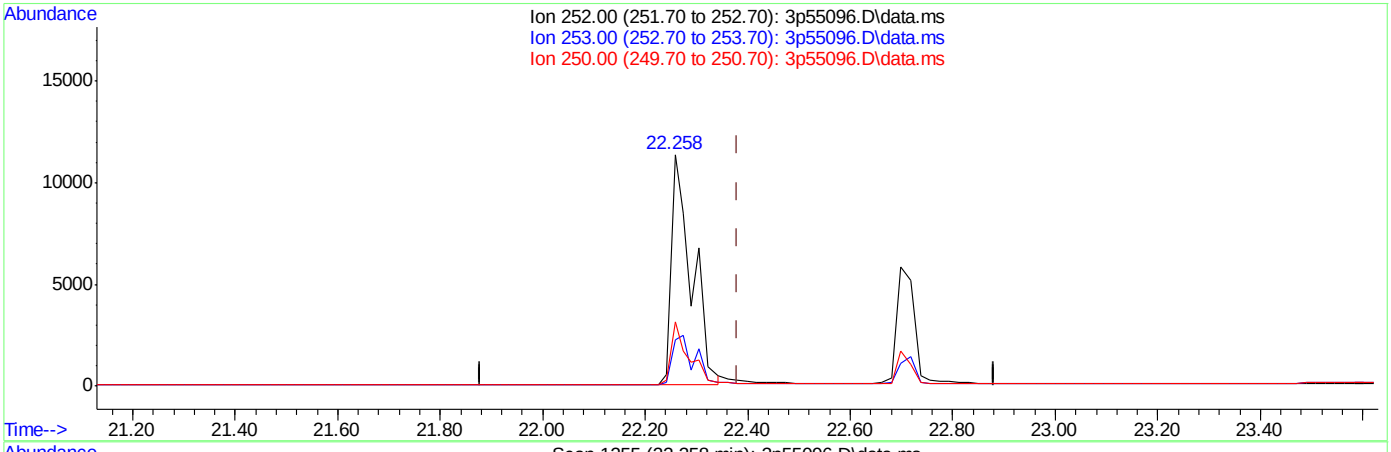
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	19.22
250.00	23.10	27.42
0.00	0.00	0.00

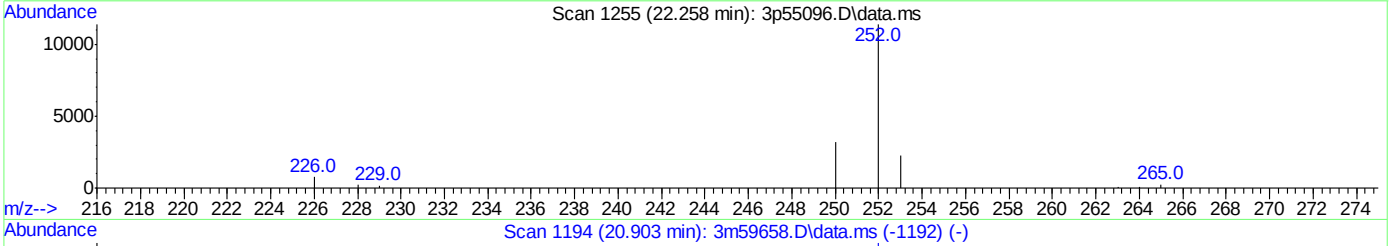
SGS ACCUTEST JC24003

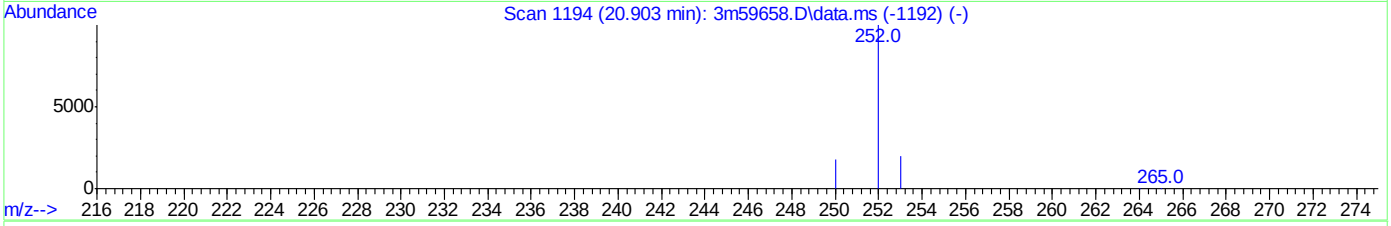
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On    : 14 Jul 2016   9:52 am
Operator  : hankc
Sample    : cc2503-0.5
Misc      : op95332a,e3p2511
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Jul 14 10:23:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title  : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration
```







TIC: 3p55096.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.258min (-0.122) 0.90ppm

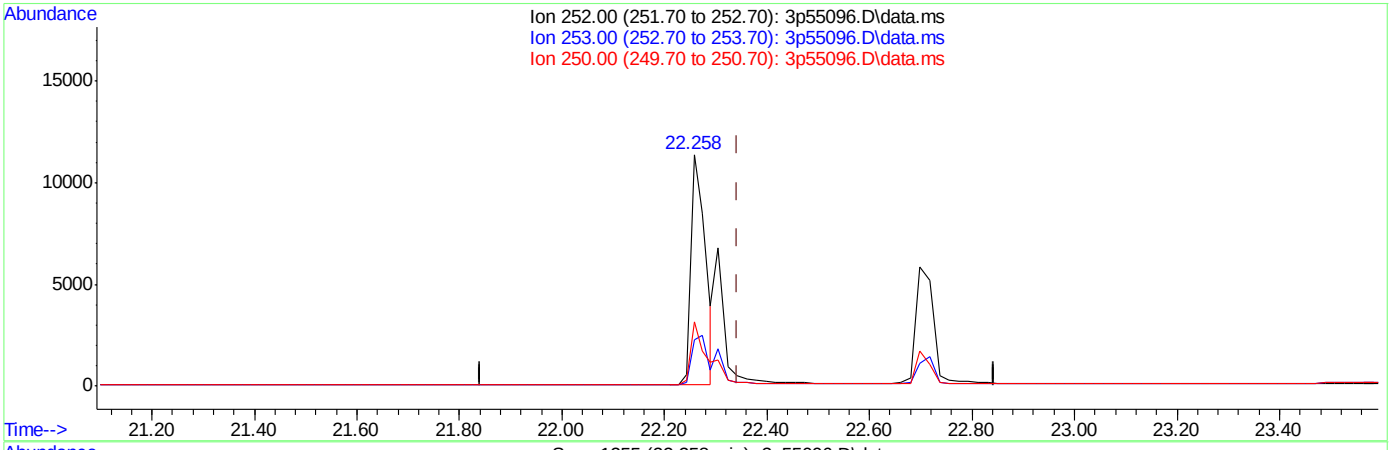
response 31574

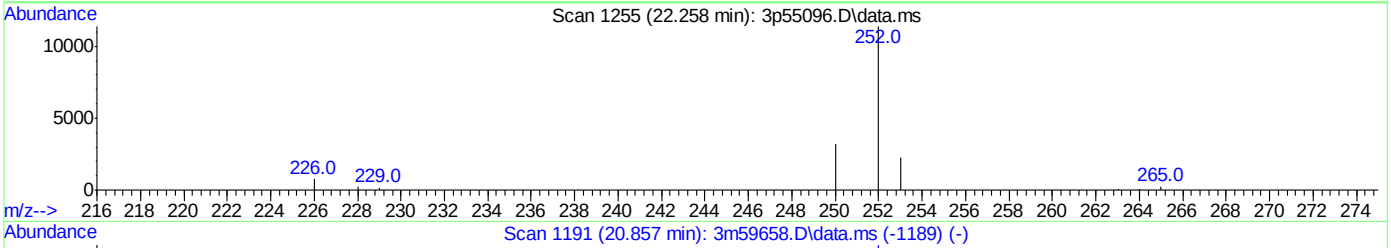
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	19.22
250.00	23.10	27.42
0.00	0.00	0.00

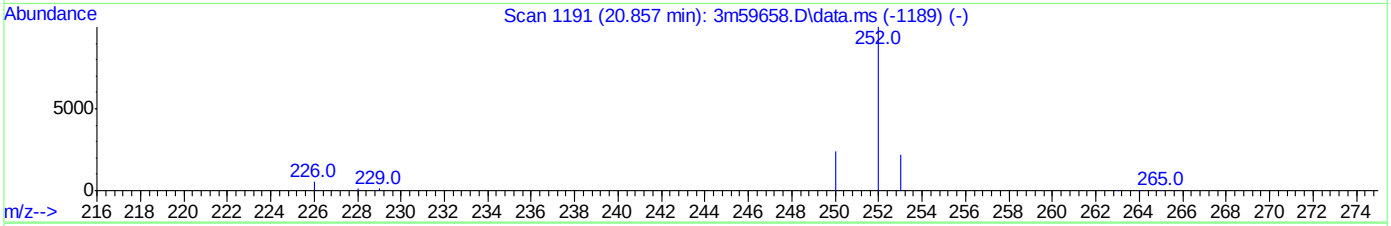
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On : 14 Jul 2016 9:52 am
Operator : hankc
Sample : cc2503-0.5
Misc : op95332a,e3p2511
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 10:23:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration







TIC: 3p55096.D\data.ms

(32) Benzo[b]fluoranthene (t)

22.258min (-0.085) 0.54ppm m

response 22383

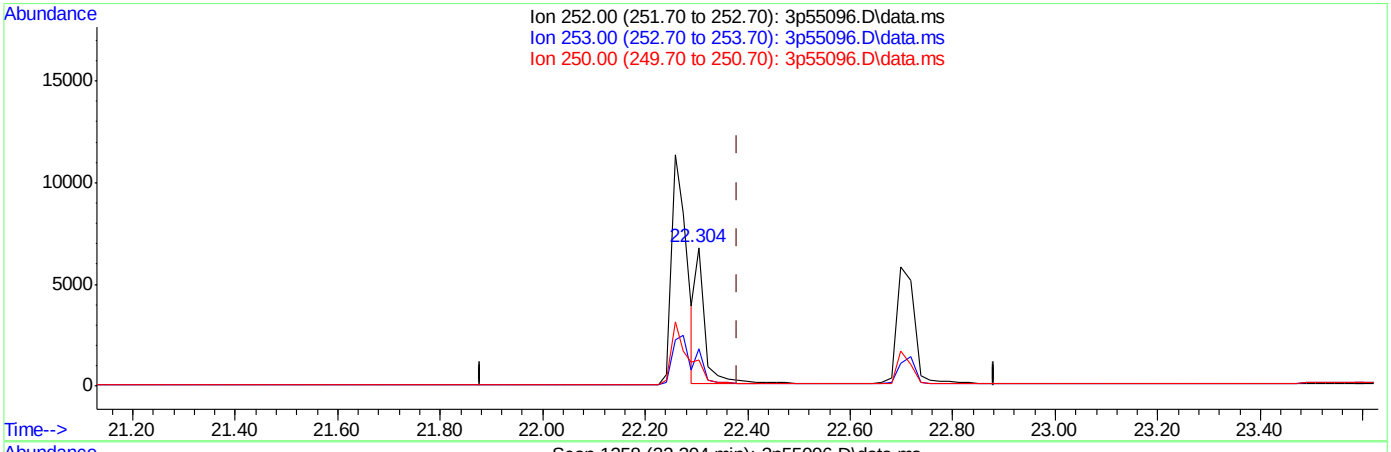
Ion	Exp%	Act%
252.00	100	100
253.00	23.60	20.02
250.00	23.10	27.98
0.00	0.00	0.00

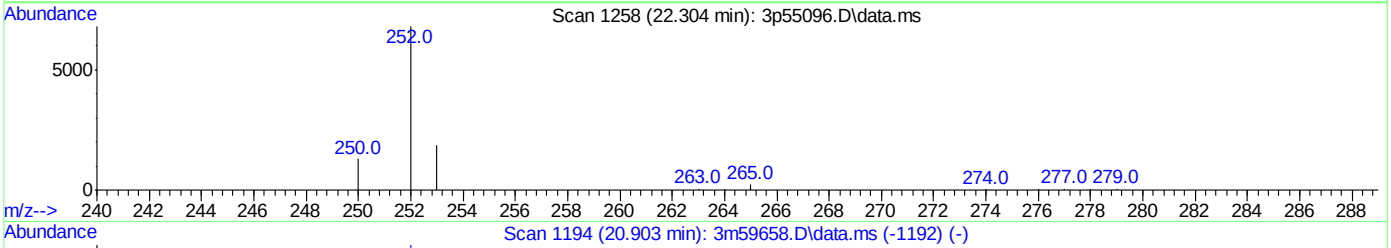
SGS ACCUTEST JC24003

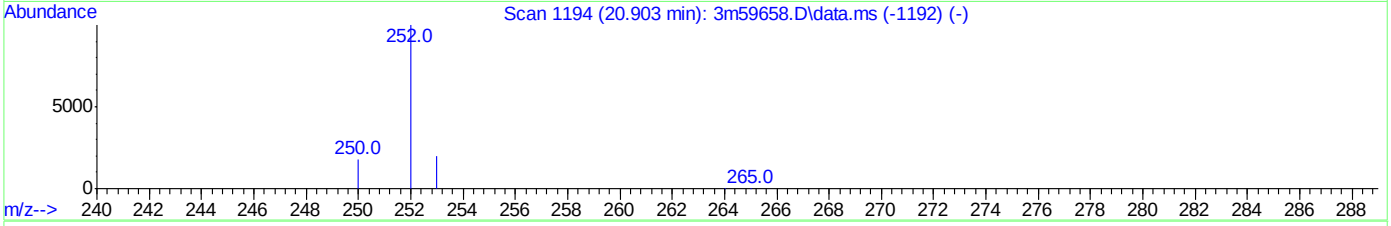
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P2511\
Data File : 3p55096.D
Acq On : 14 Jul 2016 9:52 am
Operator : hankc
Sample : cc2503-0.5
Misc : op95332a,e3p2511
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 14 10:23:12 2016
Quant Method : C:\MSDCHEM\1\METHODS\M3P2503SIM.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 06 17:34:10 2016
Response via : Initial Calibration







TIC: 3p55096.D\data.ms

(33) Benzo[k]fluoranthene (t)

22.304min (-0.076) 0.27ppm m

response 9479

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	27.28
250.00	23.10	19.12
0.00	0.00	0.00

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157849.D Vial: 2
Acq On : 9 Jun 2016 8:00 am Operator: brittanp
Sample : ic6644-100 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:07:09 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	157586	40.00	ppm	0.00
24) Naphthalene-d8	5.87	136	663563	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	388792	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	600924	40.00	ppm	0.00
83) Chrysene-d12	14.72	240	483044	40.00	ppm	0.00
92) Perylene-d12	17.79	264	464679	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	157586	40.00	ppm	0.00
112) Naphthalene-d8A	5.87	136	663563	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	388792	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	600924	40.00	ppm	0.00
147) Chrysene-d12A	14.72	240	483044	40.00	ppm	0.00
155) Perylene-d12A	17.79	264	464679	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	157586	40.00	ppm	0.00
161) Naphthalene-d8b	5.87	136	663563	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	388792	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	600924	40.00	ppm	0.00
167) Chrysene-d12b	14.72	240	483044	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	157586	40.00	ppm	0.00
171) Naphthalene-d8c	5.87	136	663563	40.00	ppm	0.00
176) Chrysene-d12c	14.72	240	483044	40.00	ppm	0.00
178) Naphthalene-d8d	5.87	136	663563	40.00	ppm	0.00
180) Chrysene-d12B	14.72	240	483044	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	577788	104.26	ppm	0.00
Spiked Amount 50.000			Recovery	=	208.52%	
8) Phenol-d5	4.66	99	734219	108.94	ppm	0.00
Spiked Amount 50.000			Recovery	=	217.88%	
25) Nitrobenzene-d5	5.34	82	643980	103.92	ppm	0.00
Spiked Amount 50.000			Recovery	=	207.84%	
51) 2-Fluorobiphenyl	6.70	172	1044134	84.14	ppm	0.00
Spiked Amount 50.000			Recovery	=	168.28%	
73) 2,4,6-Tribromophenol	8.30	330	112523	91.76	ppm	0.00
Spiked Amount 50.000			Recovery	=	183.52%	
85) Terphenyl-d14	12.47	244	962572	98.12	ppm	0.00
Spiked Amount 50.000			Recovery	=	196.24%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	268608	110.08	ppm	100
3) Pyridine	2.85	79	735341	127.92	ppm	100
4) N-Nitrosodimethylamine	2.82	42	197743	95.60	ppm	100
6) Indene	5.13	116	961806	103.12	ppm	100
7) Cumene	4.34	105	1314087	104.89	ppm	100
9) Phenol	4.67	94	814211	113.50	ppm	100
10) Aniline	4.70	93	913420	116.34	ppm	100
11) bis(2-Chloroethyl)ether	4.74	93	581637	112.70	ppm	100
12) 2-Chlorophenol	4.78	128	583580	99.75	ppm	100
13) Decane	4.81	43	413386	82.13	ppm	100
14) 1,3-Dichlorobenzene	4.90	146	602675	92.88	ppm	100
15) 1,4-Dichlorobenzene	4.95	146	610738	94.34	ppm	100

(#) = qualifier out of range (m) = manual integration
F157849.D MF6644.M Fri Jun 10 12:09:37 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157849.D Vial: 2
Acq On : 9 Jun 2016 8:00 am Operator: brittanp
Sample : ic6644-100 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:07:09 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
16)	Benzyl alcohol	5.04	108	397441	106.53	ppm	100
17)	1,2-Dichlorobenzene	5.07	146	565001	92.83	ppm	99
18)	Acetophenone	5.24	105	770562	109.26	ppm	100
19)	2-Methylphenol	5.11	108	564830	112.72	ppm	100
20)	2,2'-oxybis(1-Chloropropan	5.13	121	183278	98.51	ppm	100
21)	3&4-Methylphenol	5.23	108	575499	111.98	ppm	100
22)	n-Nitroso-di-n-propylamine	5.24	70	422878	111.06	ppm	100
23)	Hexachloroethane	5.31	201	177537	88.53	ppm	100
26)	Nitrobenzene	5.36	77	686414	105.77	ppm	100
27)	Quinoline	6.13	129	1227145	95.69	ppm	100
28)	Isophorone	5.54	82	1162480	104.88	ppm	100
29)	2-Nitrophenol	5.59	139	294881	87.58	ppm	100
30)	2,4-Dimethylphenol	5.61	107	587386	110.75	ppm	100
31)	Benzoic acid	5.70	105	474112	106.93	ppm	100
32)	bis(2-Chloroethoxy)methane	5.68	93	705937	101.05	ppm	100
33)	2,4-Dichlorophenol	5.76	162	450254	85.01	ppm	100
34)	2,6-Dichlorophenol	5.92	162	420499	82.66	ppm	100
35)	1,3,5-Trichlorobenzene	5.59	180	446999	80.17	ppm	100
36)	1,2,4-Trichlorobenzene	5.82	180	454317	82.96	ppm	100
37)	1,2,3-Trichlorobenzene	5.98	180	452678	83.79	ppm	100
38)	Naphthalene	5.88	128	1639659	90.49	ppm	100
39)	4-Chloroaniline	5.91	127	678808	90.73	ppm	100
40)	2,3-Dichloroaniline	6.63	161	511597	82.92	ppm	100
41)	Caprolactam	6.21	55	221573	88.02	ppm	100
42)	Hexachlorobutadiene	5.96	225	205389	79.22	ppm	100
43)	4-Chloro-3-methylphenol	6.27	107	525073	101.06	ppm	100
44)	2-Methylnaphthalene	6.40	141	899431	88.02	ppm	100
45)	1-Methylnaphthalene	6.48	141	941210	89.49	ppm	100
46)	Dimethylnaphthalene	6.94	156	947003	88.87	ppm	100
48)	Hexachlorocyclopentadiene	6.52	237	486794	184.52	ppm	100
49)	2,4,6-Trichlorophenol	6.63	196	270757	82.08	ppm	100
50)	2,4,5-Trichlorophenol	6.66	196	323251	88.99	ppm	100
52)	2-Chloronaphthalene	6.82	162	999737	88.99	ppm	100
53)	Biphenyl	6.80	154	1282090	88.87	ppm	100
54)	2-Nitroaniline	6.90	65	332647	104.48	ppm	100
55)	Dimethylphthalate	7.07	163	1121445	89.20	ppm	100
56)	Acenaphthylene	7.21	152	1643927	90.27	ppm	100
57)	2,6-Dinitrotoluene	7.13	165	269024	99.00	ppm	100
58)	3-Nitroaniline	7.31	138	334872	98.44	ppm	100
59)	Acenaphthene	7.39	153	1011078	88.40	ppm	100
60)	2,4-Dinitrophenol	7.42	184	292694	234.28	ppm	100
61)	4-Nitrophenol	7.46	109	169181	105.87	ppm	100
62)	Dibenzofuran	7.58	168	1361189	87.20	ppm	100
63)	2,4-Dinitrotoluene	7.56	165	370496	100.61	ppm	100
64)	2,3,4,6-Tetrachlorophenol	7.72	232	233829	85.37	ppm	100
65)	Diethylphthalate	7.84	149	1109939	89.33	ppm	100
66)	Fluorene	7.99	166	1053360	87.69	ppm	100
67)	4-Chlorophenyl-phenylether	7.99	204	428133	80.88	ppm	100
68)	4-Nitroaniline	8.02	138	353750	102.97	ppm	100

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157849.D Vial: 2
Acq On : 9 Jun 2016 8:00 am Operator: brittanp
Sample : ic6644-100 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:07:09 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.05	198	212185	111.78	ppm	100
71)	n-Nitrosodiphenylamine	8.14	169	769412	89.46	ppm	100
72)	1,2-Diphenylhydrazine	8.20	77	1327107	111.65	ppm	100
74)	4-Bromophenyl-phenylether	8.66	248	248685	86.03	ppm	100
75)	Hexachlorobenzene	8.74	284	248579	90.09	ppm	100
76)	Pentachlorophenol	9.03	266	350352	192.74	ppm	100
77)	Phenanthrene	9.38	178	1589385	91.93	ppm	100
78)	Anthracene	9.47	178	1623222	93.79	ppm	100
79)	Carbazole	9.75	167	1551501	95.63	ppm	100
80)	Di-n-butylphthalate	10.47	149	1914679	94.49	ppm	100
81)	Fluoranthene	11.59	202	1541377	89.91	ppm	100
82)	Octadecane	9.22	57	627454	89.20	ppm	100
84)	Pyrene	12.05	202	1638799	95.66	ppm	88
86)	Butylbenzylphthalate	13.66	149	842278	100.10	ppm	100
88)	Benzo[a]anthracene	14.70	228	1399145	95.63	ppm	100
89)	3,3'-Dichlorobenzidine	14.74	252	527494	103.50	ppm	100
90)	Chrysene	14.79	228	1444919	99.35	ppm	100
91)	bis(2-Ethylhexyl)phthalate	15.06	149	1169486	100.29	ppm	100
93)	Di-n-octylphthalate	16.53	149	1981771	97.33	ppm	100
94)	Benzo[b]fluoranthene	17.03	252	1431574	99.68	ppm	98
95)	Benzo[k]fluoranthene	17.11	252	1399924	99.60	ppm	99
96)	Benzo[a]pyrene	17.68	252	1296473	98.63	ppm	100
97)	Indeno[1,2,3-cd]pyrene	19.75	276	1212066	99.92	ppm	99
98)	Dibenz(a,h)acridine	19.38	279	1064443	102.18	ppm	100
99)	Dibenz[a,h]anthracene	19.80	278	1252542	106.73	ppm	100
100)	7,12-Dimethylbenz(a)anthra	17.06	256	656148	117.01	ppm	100
101)	Benzo[g,h,i]perylene	20.19	276	1310632	99.98	ppm	100

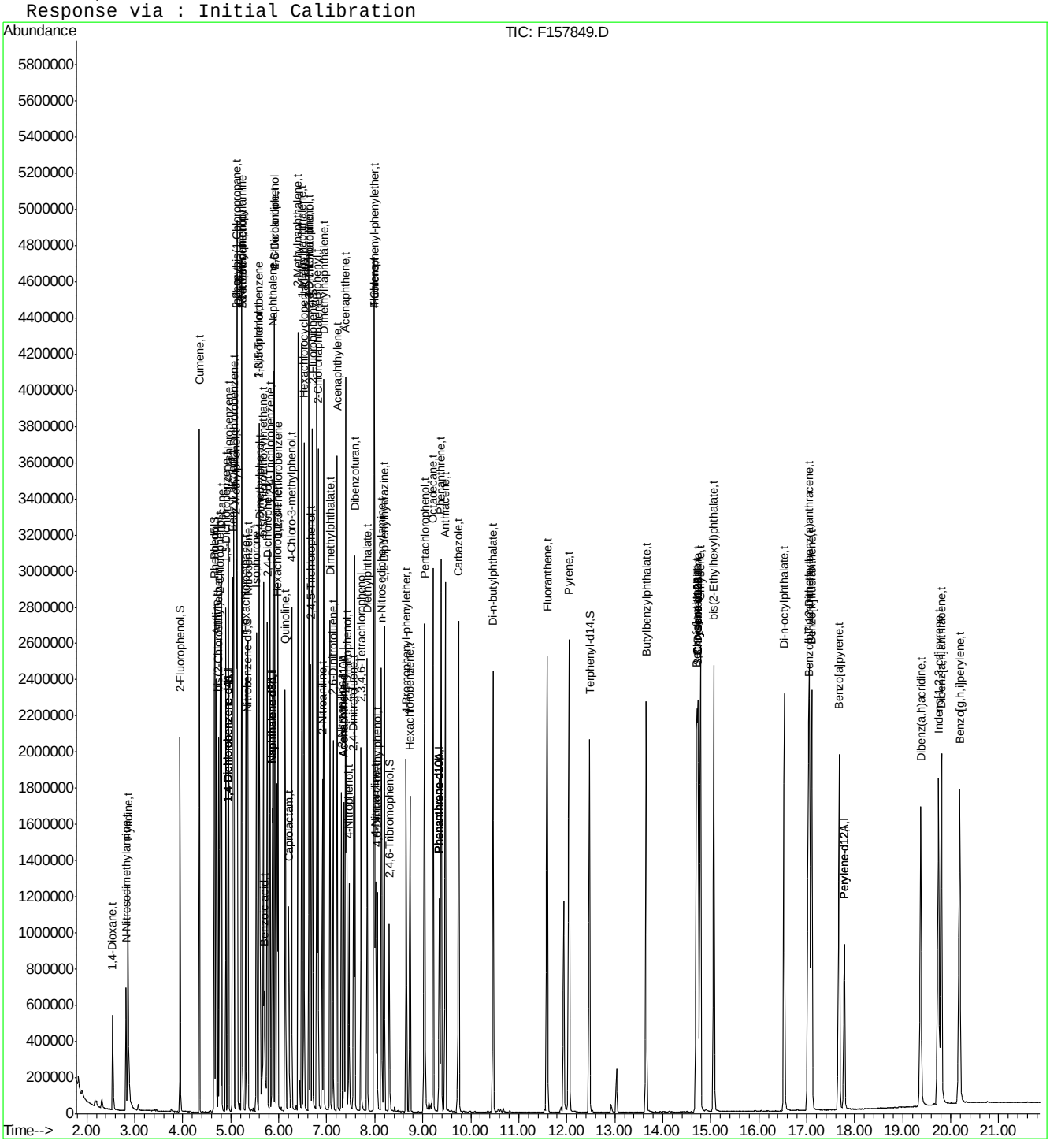
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157849.D Vial: 2
Acq On : 9 Jun 2016 8:00 am Operator: brittanp
Sample : ic6644-100 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:09 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

7.5.39 7

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157850.D Vial: 3
Acq On : 9 Jun 2016 9:03 am Operator: brittanp
Sample : ic6644-80 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:09:51 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	168369	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	703239	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	410129	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	627661	40.00	ppm	0.00
83) Chrysene-d12	14.72	240	512222	40.00	ppm	0.00
92) Perylene-d12	17.79	264	486408	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	168369	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	703239	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	410129	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	627661	40.00	ppm	0.00
147) Chrysene-d12A	14.72	240	512222	40.00	ppm	0.00
155) Perylene-d12A	17.79	264	486408	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	168369	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	703239	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	410129	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	627661	40.00	ppm	0.00
167) Chrysene-d12b	14.72	240	512222	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	168369	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	703239	40.00	ppm	0.00
176) Chrysene-d12c	14.72	240	512222	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	703239	40.00	ppm	0.00
180) Chrysene-d12B	14.72	240	512222	40.00	ppm	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	499523	84.37	ppm	0.00
Spiked Amount 50.000			Recovery = 168.74%			
8) Phenol-d5	4.66	99	635637	88.27	ppm	0.00
Spiked Amount 50.000			Recovery = 176.54%			
25) Nitrobenzene-d5	5.34	82	554497	84.43	ppm	0.00
Spiked Amount 50.000			Recovery = 168.86%			
51) 2-Fluorobiphenyl	6.70	172	923401	70.54	ppm	0.00
Spiked Amount 50.000			Recovery = 141.08%			
73) 2,4,6-Tribromophenol	8.30	330	96824	75.59	ppm	0.00
Spiked Amount 50.000			Recovery = 151.18%			
85) Terphenyl-d14	12.47	244	827787	79.58	ppm	0.00
Spiked Amount 50.000			Recovery = 159.16%			

Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	233179	89.44	ppm	100
3) Pyridine	2.85	79	635277	103.44	ppm	100
4) N-Nitrosodimethylamine	2.82	42	169227	76.58	ppm	100
6) Indene	5.13	116	842289	84.53	ppm	99
7) Cumene	4.34	105	1153922	86.21	ppm	99
9) Phenol	4.67	94	715910	93.40	ppm	94
10) Aniline	4.70	93	799620	95.33	ppm	97
11) bis(2-Chloroethyl)ether	4.74	93	502297	91.09	ppm	96
12) 2-Chlorophenol	4.78	128	511384	81.81	ppm	98
13) Decane	4.81	43	361589	67.24	ppm	98
14) 1,3-Dichlorobenzene	4.89	146	535180	77.20	ppm	98
15) 1,4-Dichlorobenzene	4.95	146	540516	78.14	ppm	99

(#) = qualifier out of range (m) = manual integration
F157850.D MF6644.M Fri Jun 10 12:11:59 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157850.D Vial: 3
Acq On : 9 Jun 2016 9:03 am Operator: brittanp
Sample : ic6644-80 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:09:51 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
16)	Benzyl alcohol	5.04	108	344166	86.34	ppm		99
17)	1,2-Dichlorobenzene	5.07	146	501594	77.14	ppm		98
18)	Acetophenone	5.23	105	682514	90.58	ppm		94
19)	2-Methylphenol	5.11	108	492236	91.94	ppm		100
20)	2,2'-oxybis(1-Chloropropan	5.13	121	161305	81.15	ppm		93
21)	3&4-Methylphenol	5.22	108	511748	93.20	ppm		99
22)	n-Nitroso-di-n-propylamine	5.23	70	368553	90.60	ppm		98
23)	Hexachloroethane	5.31	201	154179	71.96	ppm		98
26)	Nitrobenzene	5.36	77	596361	86.71	ppm		98
27)	Quinoline	6.13	129	1054135	77.56	ppm		99
28)	Isophorone	5.53	82	1005337	85.58	ppm		98
29)	2-Nitrophenol	5.59	139	259108	72.62	ppm		94
30)	2,4-Dimethylphenol	5.60	107	506010	90.03	ppm		98
31)	Benzoic acid	5.70	105	400163	85.16	ppm		95
32)	bis(2-Chloroethoxy)methane	5.68	93	610863	82.51	ppm		99
33)	2,4-Dichlorophenol	5.75	162	392485	69.92	ppm		97
34)	2,6-Dichlorophenol	5.92	162	367926	68.24	ppm		99
35)	1,3,5-Trichlorobenzene	5.59	180	392500	66.42	ppm		99
36)	1,2,4-Trichlorobenzene	5.82	180	395393	68.13	ppm		99
37)	1,2,3-Trichlorobenzene	5.98	180	396208	69.20	ppm		98
38)	Naphthalene	5.88	128	1449058	75.46	ppm		99
39)	4-Chloroaniline	5.91	127	600341	75.71	ppm		98
40)	2,3-Dichloroaniline	6.63	161	456641	69.83	ppm		98
41)	Caprolactam	6.20	55	188078	70.50	ppm		97
42)	Hexachlorobutadiene	5.96	225	180309	65.62	ppm		98
43)	4-Chloro-3-methylphenol	6.27	107	453461	82.36	ppm	#	38
44)	2-Methylnaphthalene	6.40	141	796884	73.59	ppm		99
45)	1-Methylnaphthalene	6.48	141	831045	74.56	ppm		98
46)	Dimethylnaphthalene	6.94	156	827742	73.30	ppm		99
48)	Hexachlorocyclopentadiene	6.52	237	424960	152.70	ppm		99
49)	2,4,6-Trichlorophenol	6.63	196	239325	68.78	ppm		99
50)	2,4,5-Trichlorophenol	6.66	196	277996	72.55	ppm		100
52)	2-Chloronaphthalene	6.82	162	878745	74.15	ppm		97
53)	Biphenyl	6.79	154	1118924	73.53	ppm		100
54)	2-Nitroaniline	6.90	65	286796	85.39	ppm		98
55)	Dimethylphthalate	7.07	163	982516	74.08	ppm		99
56)	Acenaphthylene	7.21	152	1454087	75.69	ppm		100
57)	2,6-Dinitrotoluene	7.13	165	231208	80.66	ppm		96
58)	3-Nitroaniline	7.30	138	288461	80.39	ppm		93
59)	Acenaphthene	7.39	153	881413	73.06	ppm		97
60)	2,4-Dinitrophenol	7.42	184	248989	188.93	ppm	#	94
61)	4-Nitrophenol	7.46	109	146033	86.63	ppm		98
62)	Dibenzofuran	7.58	168	1193154	72.46	ppm		99
63)	2,4-Dinitrotoluene	7.55	165	317628	81.77	ppm		93
64)	2,3,4,6-Tetrachlorophenol	7.72	232	204915	70.92	ppm		98
65)	Diethylphthalate	7.84	149	966937	73.78	ppm		99
66)	Fluorene	7.99	166	928652	73.29	ppm		100
67)	4-Chlorophenyl-phenylether	7.99	204	378047	67.71	ppm		97
68)	4-Nitroaniline	8.01	138	302907	83.59	ppm		98

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157850.D Vial: 3
Acq On : 9 Jun 2016 9:03 am Operator: brittanp
Sample : ic6644-80 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:09:51 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.05	198	179860	90.71	ppm	98
71)	n-Nitrosodiphenylamine	8.14	169	666350	74.18	ppm	99
72)	1,2-Diphenylhydrazine	8.19	77	1155057	93.04	ppm	98
74)	4-Bromophenyl-phenylether	8.66	248	215762	71.46	ppm	99
75)	Hexachlorobenzene	8.74	284	216776	75.22	ppm	97
76)	Pentachlorophenol	9.03	266	300899	158.48	ppm	99
77)	Phenanthrene	9.38	178	1382023	76.54	ppm	100
78)	Anthracene	9.47	178	1404489	77.70	ppm	99
79)	Carbazole	9.75	167	1354627	79.94	ppm	99
80)	Di-n-butylphthalate	10.46	149	1647742	77.85	ppm	100
81)	Fluoranthene	11.59	202	1331769	74.37	ppm	98
82)	Octadecane	9.22	57	544404	74.10	ppm	99
84)	Pyrene	12.05	202	1421755	78.26	ppm	92
86)	Butylbenzylphthalate	13.66	149	720335	80.73	ppm	99
88)	Benzo[a]anthracene	14.70	228	1205417	77.70	ppm	99
89)	3,3'-Dichlorobenzidine	14.73	252	453619	83.93	ppm	98
90)	Chrysene	14.79	228	1234938	80.07	ppm	100
91)	bis(2-Ethylhexyl)phthalate	15.06	149	1008887	81.59	ppm	100
93)	Di-n-octylphthalate	16.52	149	1695407	79.55	ppm	99
94)	Benzo[b]fluoranthene	17.03	252	1224934	81.48	ppm	97
95)	Benzo[k]fluoranthene	17.10	252	1217257	82.74	ppm	99
96)	Benzo[a]pyrene	17.67	252	1106411	80.41	ppm	99
97)	Indeno[1,2,3-cd]pyrene	19.74	276	1052688	82.90	ppm	99
98)	Dibenz(a,h)acridine	19.38	279	924850	84.81	ppm	100
99)	Dibenz[a,h]anthracene	19.80	278	1047953	85.31	ppm	99
100)	7,12-Dimethylbenz(a)anthra	17.05	256	569280	96.98	ppm	98
101)	Benzo[g,h,i]perylene	20.19	276	1133637	82.61	ppm	100

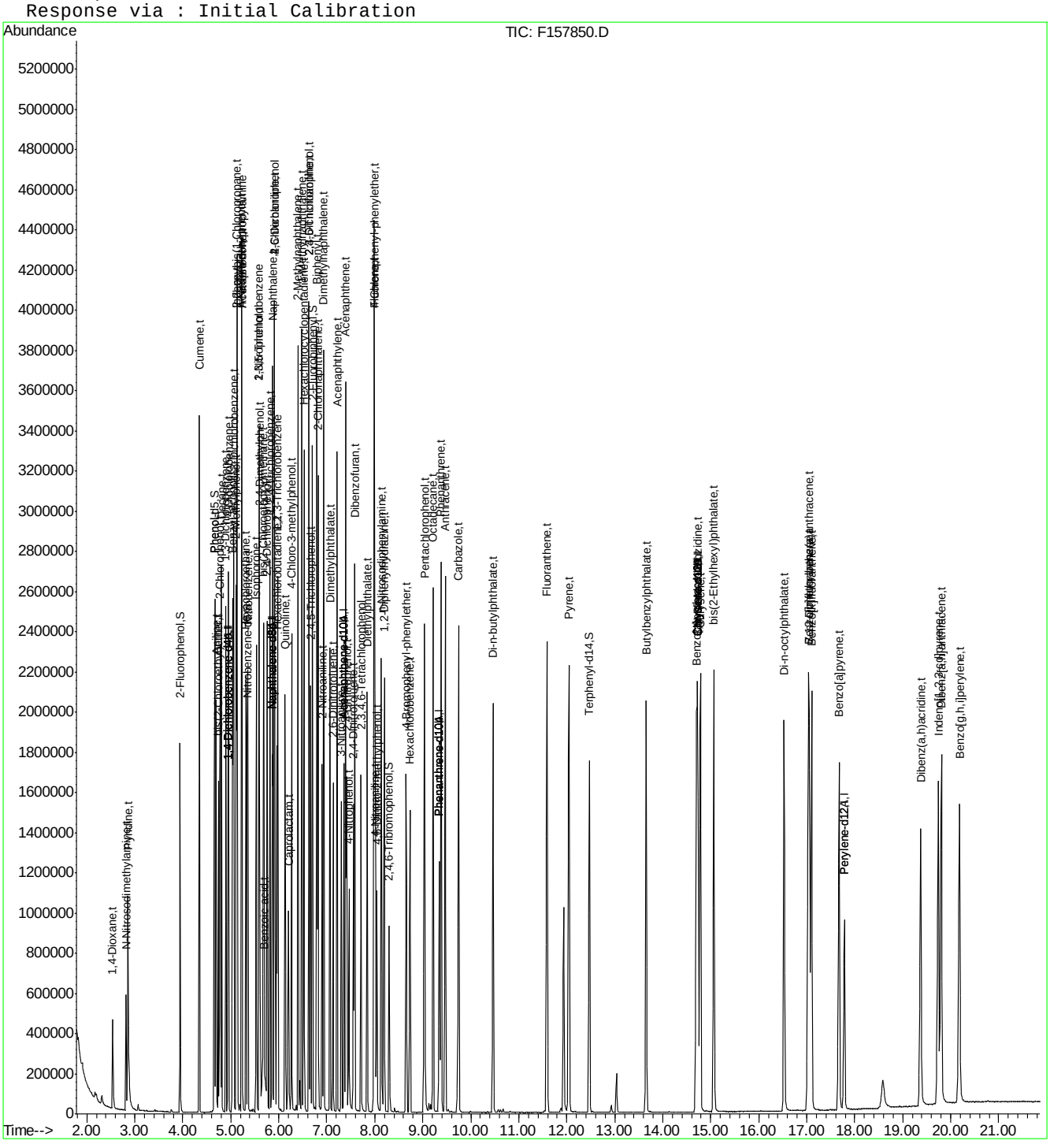
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157850.D Vial: 3
Acq On : 9 Jun 2016 9:03 am Operator: brittanp
Sample : ic6644-80 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:11 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157851.D Vial: 4
Acq On : 9 Jun 2016 10:30 am Operator: brittanp
Sample : ic6644-25 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:12:06 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	158287	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	662512	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	379218	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	584711	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	487641	40.00	ppm	-0.01
92) Perylene-d12	17.78	264	446435	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	158287	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	662512	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	379218	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	584711	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	487641	40.00	ppm	-0.01
155) Perylene-d12A	17.78	264	446435	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	158287	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	662512	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	379218	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	584711	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	487641	40.00	ppm	-0.01
169) 1,4-Dichlorobenzene-d4c	4.94	152	158287	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	662512	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	487641	40.00	ppm	-0.01
178) Naphthalene-d8d	5.86	136	662512	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	487641	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	157371	28.27	ppm	0.00
Spiked Amount 50.000			Recovery = 56.54%			
8) Phenol-d5	4.65	99	200440	29.61	ppm	-0.01
Spiked Amount 50.000			Recovery = 59.22%			
25) Nitrobenzene-d5	5.34	82	171994	27.80	ppm	0.00
Spiked Amount 50.000			Recovery = 55.60%			
51) 2-Fluorobiphenyl	6.70	172	299754	24.77	ppm	0.00
Spiked Amount 50.000			Recovery = 49.54%			
73) 2,4,6-Tribromophenol	8.30	330	28783	24.12	ppm	0.00
Spiked Amount 50.000			Recovery = 48.24%			
85) Terphenyl-d14	12.46	244	250016	25.25	ppm	-0.01
Spiked Amount 50.000			Recovery = 50.50%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	75293	30.72	ppm	98
3) Pyridine	2.86	79	196636	34.06	ppm	98
4) N-Nitrosodimethylamine	2.82	42	51401	24.74	ppm	99
6) Indene	5.12	116	285527	30.48	ppm	99
7) Cumene	4.34	105	383048	30.44	ppm	99
9) Phenol	4.66	94	225523	31.30	ppm	97
10) Aniline	4.69	93	275713	34.96	ppm	94
11) bis(2-Chloroethyl)ether	4.74	93	161439	31.14	ppm	100
12) 2-Chlorophenol	4.78	128	163156	27.76	ppm	92
13) Decane	4.81	43	124850	24.70	ppm	98
14) 1,3-Dichlorobenzene	4.89	146	174479	26.77	ppm	99
15) 1,4-Dichlorobenzene	4.95	146	176402	27.13	ppm	99

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157851.D Vial: 4
Acq On : 9 Jun 2016 10:30 am Operator: brittanp
Sample : ic6644-25 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:12:06 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
16) Benzyl alcohol	5.03	108	108964	29.08	ppm		97
17) 1,2-Dichlorobenzene	5.06	146	164708	26.94	ppm		100
18) Acetophenone	5.23	105	228472	32.25	ppm		95
19) 2-Methylphenol	5.11	108	157860	31.36	ppm		98
20) 2,2'-oxybis(1-Chloropropan	5.13	121	53882	28.83	ppm	#	88
21) 3&4-Methylphenol	5.21	108	166322	32.22	ppm		98
22) n-Nitroso-di-n-propylamine	5.23	70	123063	32.18	ppm		98
23) Hexachloroethane	5.31	201	48591	24.12	ppm		94
26) Nitrobenzene	5.35	77	187000	28.86	ppm		99
27) Quinoline	6.12	129	332740	25.99	ppm		98
28) Isophorone	5.52	82	318796	28.81	ppm		99
29) 2-Nitrophenol	5.58	139	80028	23.81	ppm		91
30) 2,4-Dimethylphenol	5.60	107	164243	31.02	ppm		96
31) Benzoic acid	5.66	105	108763	24.57	ppm		87
32) bis(2-Chloroethoxy)methane	5.67	93	196280	28.14	ppm		98
33) 2,4-Dichlorophenol	5.75	162	122473	23.16	ppm		98
34) 2,6-Dichlorophenol	5.91	162	122352	24.09	ppm		99
35) 1,3,5-Trichlorobenzene	5.59	180	133457	23.97	ppm		100
36) 1,2,4-Trichlorobenzene	5.82	180	127120	23.25	ppm		98
37) 1,2,3-Trichlorobenzene	5.98	180	126506	23.45	ppm		100
38) Naphthalene	5.88	128	484763	26.80	ppm		96
39) 4-Chloroaniline	5.91	127	204205	27.34	ppm		98
40) 2,3-Dichloroaniline	6.63	161	152938	24.83	ppm		96
41) Caprolactam	6.17	55	57939	23.05	ppm		96
42) Hexachlorobutadiene	5.96	225	58087	22.44	ppm		99
43) 4-Chloro-3-methylphenol	6.26	107	140110	27.01	ppm		99
44) 2-Methylnaphthalene	6.40	141	256343	25.13	ppm		99
45) 1-Methylnaphthalene	6.48	141	269378	25.65	ppm		98
46) Dimethylnaphthalene	6.94	156	266919	25.09	ppm		97
48) Hexachlorocyclopentadiene	6.52	237	132601	51.53	ppm		99
49) 2,4,6-Trichlorophenol	6.63	196	76377	23.74	ppm		98
50) 2,4,5-Trichlorophenol	6.66	196	84791	23.93	ppm		98
52) 2-Chloronaphthalene	6.81	162	279831	25.54	ppm		98
53) Biphenyl	6.79	154	366331	26.03	ppm		99
54) 2-Nitroaniline	6.90	65	86523	27.86	ppm		98
55) Dimethylphthalate	7.06	163	307958	25.11	ppm		99
56) Acenaphthylene	7.21	152	456911	25.72	ppm		98
57) 2,6-Dinitrotoluene	7.13	165	67480	25.46	ppm		93
58) 3-Nitroaniline	7.30	138	85160	25.67	ppm		96
59) Acenaphthene	7.39	153	286492	25.68	ppm		96
60) 2,4-Dinitrophenol	7.41	184	60884	49.96	ppm	#	90
61) 4-Nitrophenol	7.45	109	40830	26.19	ppm		96
62) Dibenzofuran	7.58	168	386640	25.39	ppm		98
63) 2,4-Dinitrotoluene	7.55	165	94119	26.20	ppm		95
64) 2,3,4,6-Tetrachlorophenol	7.71	232	59981	22.45	ppm		99
65) Diethylphthalate	7.83	149	299913	24.75	ppm		99
66) Fluorene	7.99	166	305979	26.12	ppm		99
67) 4-Chlorophenyl-phenylether	7.98	204	127570	24.71	ppm		99
68) 4-Nitroaniline	8.00	138	89895	26.83	ppm		99

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157851.D Vial: 4
Acq On : 9 Jun 2016 10:30 am Operator: brittanp
Sample : ic6644-25 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:12:06 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.04	198	46381	25.11	ppm	94
71)	n-Nitrosodiphenylamine	8.13	169	207120	24.75	ppm	100
72)	1,2-Diphenylhydrazine	8.19	77	368670	31.88	ppm	100
74)	4-Bromophenyl-phenylether	8.65	248	67247	23.91	ppm	99
75)	Hexachlorobenzene	8.73	284	70169	26.14	ppm	96
76)	Pentachlorophenol	9.03	266	89160	50.41	ppm	99
77)	Phenanthrene	9.38	178	442439	26.30	ppm	100
78)	Anthracene	9.46	178	448740	26.65	ppm	100
79)	Carbazole	9.74	167	418799	26.53	ppm	100
80)	Di-n-butylphthalate	10.46	149	495042	25.11	ppm	100
81)	Fluoranthene	11.58	202	410340	24.60	ppm	100
82)	Octadecane	9.21	57	178617	26.10	ppm	96
84)	Pyrene	12.04	202	442723	25.60	ppm	91
86)	Butylbenzylphthalate	13.65	149	204368	24.06	ppm	99
88)	Benzo[a]anthracene	14.70	228	360529	24.41	ppm	99
89)	3,3'-Dichlorobenzidine	14.73	252	129853	25.24	ppm	99
90)	Chrysene	14.77	228	380678	25.93	ppm	99
91)	bis(2-Ethylhexyl)phthalate	15.06	149	279302	23.73	ppm	100
93)	Di-n-octylphthalate	16.52	149	442879	22.64	ppm	99
94)	Benzo[b]fluoranthene	17.02	252	369123	26.75	ppm	97
95)	Benzo[k]fluoranthene	17.08	252	364021	26.96	ppm	98
96)	Benzo[a]pyrene	17.66	252	325639	25.78	ppm	99
97)	Indeno[1,2,3-cd]pyrene	19.72	276	299742	25.72	ppm	98
98)	Dibenz(a,h)acridine	19.36	279	272459	27.22	ppm	98
99)	Dibenz[a,h]anthracene	19.78	278	306010	27.14	ppm	100
100)	7,12-Dimethylbenz(a)anthra	17.04	256	176120	32.69	ppm	99
101)	Benzo[g,h,i]perylene	20.16	276	334878	26.59	ppm	98

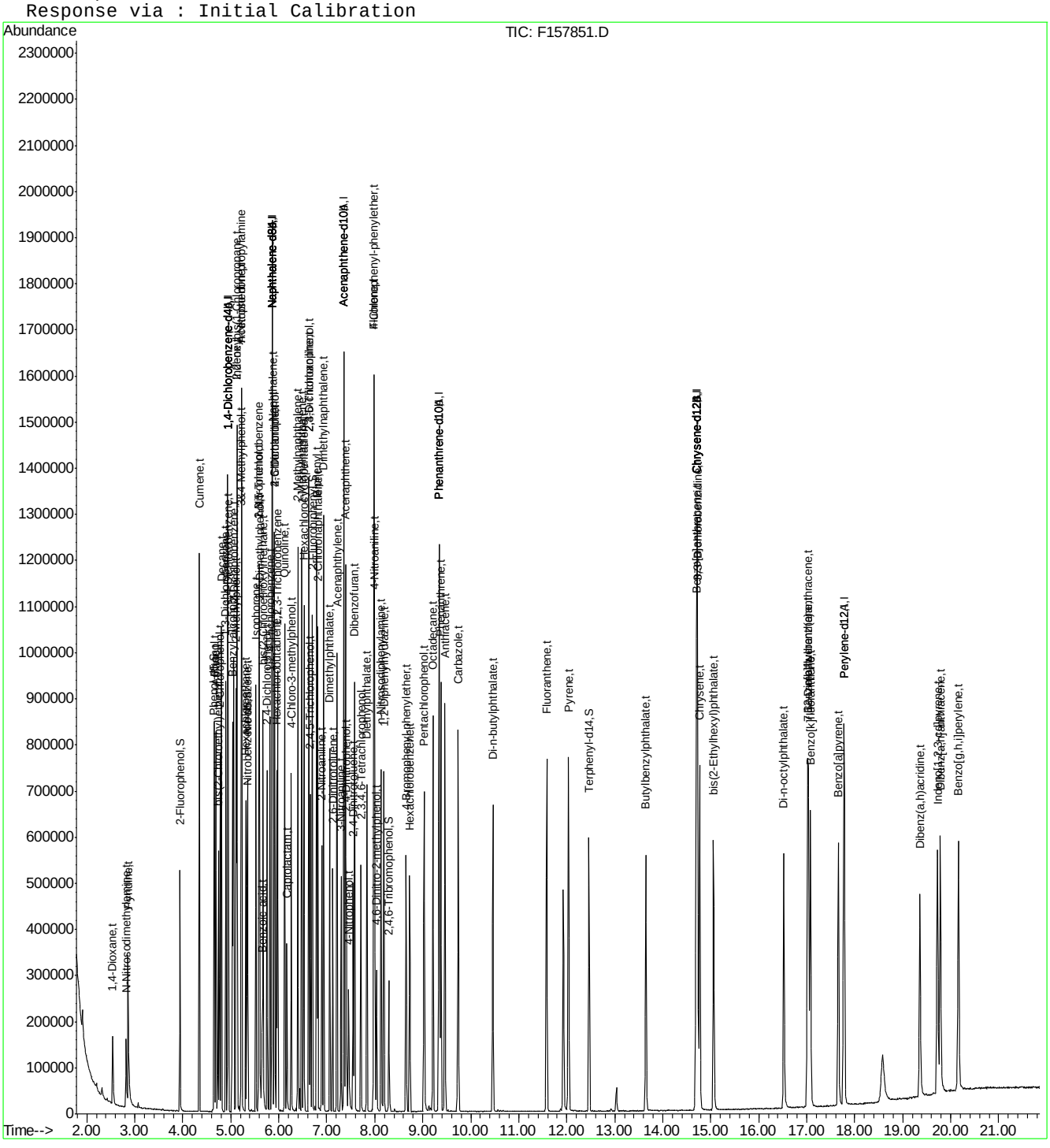
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157851.D Vial: 4
Acq On : 9 Jun 2016 10:30 am Operator: brittanp
Sample : ic6644-25 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:13 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157852.D Vial: 5
Acq On : 9 Jun 2016 10:58 am Operator: brittanp
Sample : icc6644-50 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:14:27 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	158059	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	648027	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	372185	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	574960	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	475880	40.00	ppm	-0.01
92) Perylene-d12	17.77	264	437415	40.00	ppm	-0.01
102) 1,4-Dichlorobenzene-d4A	4.94	152	158059	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	648027	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	372185	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	574960	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	475880	40.00	ppm	-0.01
155) Perylene-d12A	17.77	264	437415	40.00	ppm	-0.01
159) 1,4-Dichlorobenzene-d4b	4.94	152	158059	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	648027	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	372185	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	574960	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	475880	40.00	ppm	-0.01
169) 1,4-Dichlorobenzene-d4c	4.94	152	158059	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	648027	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	475880	40.00	ppm	-0.01
178) Naphthalene-d8d	5.86	136	648027	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	475880	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	301932	54.32	ppm	0.00
Spiked Amount 50.000			Recovery = 108.64%			
8) Phenol-d5	4.65	99	388285	57.44	ppm	0.00
Spiked Amount 50.000			Recovery = 114.88%			
25) Nitrobenzene-d5	5.34	82	332118	54.88	ppm	0.00
Spiked Amount 50.000			Recovery = 109.76%			
51) 2-Fluorobiphenyl	6.70	172	575128	48.41	ppm	0.00
Spiked Amount 50.000			Recovery = 96.82%			
73) 2,4,6-Tribromophenol	8.30	330	56751	48.37	ppm	0.00
Spiked Amount 50.000			Recovery = 96.74%			
85) Terphenyl-d14	12.46	244	495312	51.25	ppm	-0.01
Spiked Amount 50.000			Recovery = 102.50%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	140147	57.26	ppm	99
3) Pyridine	2.86	79	376599	65.32	ppm	99
4) N-Nitrosodimethylamine	2.82	42	99256	47.84	ppm	97
6) Indene	5.12	116	534862	57.18	ppm	98
7) Cumene	4.34	105	725352	57.73	ppm	99
9) Phenol	4.66	94	431694	60.00	ppm	97
10) Aniline	4.69	93	520028	66.04	ppm	95
11) bis(2-Chloroethyl)ether	4.74	93	310191	59.92	ppm	99
12) 2-Chlorophenol	4.78	128	315048	53.69	ppm	95
13) Decane	4.81	43	228638	45.29	ppm	98
14) 1,3-Dichlorobenzene	4.89	146	332217	51.05	ppm	99
15) 1,4-Dichlorobenzene	4.95	146	337825	52.03	ppm	98

(#) = qualifier out of range (m) = manual integration
F157852.D MF6644.M Fri Jun 10 12:16:25 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157852.D Vial: 5
Acq On : 9 Jun 2016 10:58 am Operator: brittanp
Sample : icc6644-50 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:14:27 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
16)	Benzyl alcohol	5.03	108	210994	56.38	ppm	98
17)	1,2-Dichlorobenzene	5.06	146	319511	52.34	ppm	97
18)	Acetophenone	5.23	105	429618	60.73	ppm	99
19)	2-Methylphenol	5.11	108	302559	60.20	ppm	98
20)	2,2'-oxybis(1-Chloropropan	5.13	121	101343	54.31	ppm	87
21)	3&4-Methylphenol	5.22	108	318268	61.75	ppm	97
22)	n-Nitroso-di-n-propylamine	5.23	70	233917	61.25	ppm	97
23)	Hexachloroethane	5.31	201	94723	47.10	ppm	96
26)	Nitrobenzene	5.35	77	356907	56.31	ppm	99
27)	Quinoline	6.12	129	634545	50.67	ppm	99
28)	Isophorone	5.53	82	619398	57.22	ppm	99
29)	2-Nitrophenol	5.58	139	158058	48.07	ppm	82
30)	2,4-Dimethylphenol	5.60	107	317060	61.22	ppm	100
31)	Benzoic acid	5.68	105	224856	51.93	ppm	91
32)	bis(2-Chloroethoxy)methane	5.67	93	371378	54.44	ppm	100
33)	2,4-Dichlorophenol	5.75	162	239633	46.33	ppm	99
34)	2,6-Dichlorophenol	5.91	162	233254	46.95	ppm	99
35)	1,3,5-Trichlorobenzene	5.59	180	251456	46.18	ppm	100
36)	1,2,4-Trichlorobenzene	5.82	180	247041	46.19	ppm	99
37)	1,2,3-Trichlorobenzene	5.98	180	246868	46.79	ppm	100
38)	Naphthalene	5.88	128	907763	51.30	ppm	99
39)	4-Chloroaniline	5.91	127	384939	52.68	ppm	99
40)	2,3-Dichloroaniline	6.63	161	287932	47.79	ppm	96
41)	Caprolactam	6.19	55	112379	45.71	ppm	99
42)	Hexachlorobutadiene	5.96	225	111197	43.92	ppm	99
43)	4-Chloro-3-methylphenol	6.26	107	269879	53.19	ppm	97
44)	2-Methylnaphthalene	6.40	141	493480	49.45	ppm	98
45)	1-Methylnaphthalene	6.48	141	518365	50.47	ppm	98
46)	Dimethylnaphthalene	6.94	156	517475	49.73	ppm	98
48)	Hexachlorocyclopentadiene	6.52	237	258611	102.40	ppm	98
49)	2,4,6-Trichlorophenol	6.63	196	146839	46.50	ppm	100
50)	2,4,5-Trichlorophenol	6.66	196	168190	48.37	ppm	100
52)	2-Chloronaphthalene	6.81	162	539708	50.18	ppm	99
53)	Biphenyl	6.79	154	700634	50.73	ppm	100
54)	2-Nitroaniline	6.90	65	166899	54.76	ppm	98
55)	Dimethylphthalate	7.06	163	590481	49.06	ppm	100
56)	Acenaphthylene	7.21	152	880497	50.51	ppm	99
57)	2,6-Dinitrotoluene	7.13	165	135584	52.12	ppm	98
58)	3-Nitroaniline	7.30	138	170401	52.33	ppm	94
59)	Acenaphthene	7.39	153	546498	49.91	ppm	97
60)	2,4-Dinitrophenol	7.41	184	134808	112.72	ppm	91
61)	4-Nitrophenol	7.46	109	83100	54.32	ppm	97
62)	Dibenzofuran	7.58	168	737955	49.39	ppm	98
63)	2,4-Dinitrotoluene	7.55	165	187682	53.24	ppm	95
64)	2,3,4,6-Tetrachlorophenol	7.71	232	120294	45.88	ppm	99
65)	Diethylphthalate	7.84	149	587365	49.38	ppm	99
66)	Fluorene	7.99	166	583733	50.76	ppm	100
67)	4-Chlorophenyl-phenylether	7.98	204	239100	47.19	ppm	100
68)	4-Nitroaniline	8.00	138	179108	54.46	ppm	99

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157852.D Vial: 5
Acq On : 9 Jun 2016 10:58 am Operator: brittanp
Sample : icc6644-50 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:14:27 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.04	198	100121	55.13	ppm	99
71)	n-Nitrosodiphenylamine	8.13	169	402360	48.90	ppm	99
72)	1,2-Diphenylhydrazine	8.19	77	699699	61.53	ppm	99
74)	4-Bromophenyl-phenylether	8.65	248	128065	46.30	ppm	99
75)	Hexachlorobenzene	8.73	284	131172	49.69	ppm	98
76)	Pentachlorophenol	9.03	266	177404	102.00	ppm	100
77)	Phenanthrene	9.38	178	850464	51.41	ppm	100
78)	Anthracene	9.46	178	858968	51.88	ppm	99
79)	Carbazole	9.75	167	817929	52.69	ppm	99
80)	Di-n-butylphthalate	10.46	149	974873	50.28	ppm	100
81)	Fluoranthene	11.58	202	802818	48.94	ppm	99
82)	Octadecane	9.21	57	335749	49.89	ppm	99
84)	Pyrene	12.04	202	856755	50.76	ppm	88
86)	Butylbenzylphthalate	13.65	149	422092	50.92	ppm	98
88)	Benzo[a]anthracene	14.70	228	709963	49.26	ppm	99
89)	3,3'-Dichlorobenzidine	14.73	252	260988	51.98	ppm	99
90)	Chrysene	14.77	228	740070	51.65	ppm	99
91)	bis(2-Ethylhexyl)phthalate	15.06	149	579816	50.47	ppm	100
93)	Di-n-octylphthalate	16.52	149	952137	49.68	ppm	99
94)	Benzo[b]fluoranthene	17.02	252	724983	53.63	ppm	98
95)	Benzo[k]fluoranthene	17.09	252	720306	54.44	ppm	99
96)	Benzo[a]pyrene	17.66	252	649855	52.52	ppm	99
97)	Indeno[1,2,3-cd]pyrene	19.73	276	596190	52.21	ppm	96
98)	Dibenz(a,h)acridine	19.37	279	529867	54.03	ppm	100
99)	Dibenz[a,h]anthracene	19.79	278	602294	54.52	ppm	99
100)	7,12-Dimethylbenz(a)anthra	17.04	256	345181	65.39	ppm	97
101)	Benzo[g,h,i]perylene	20.17	276	653614	52.97	ppm	96

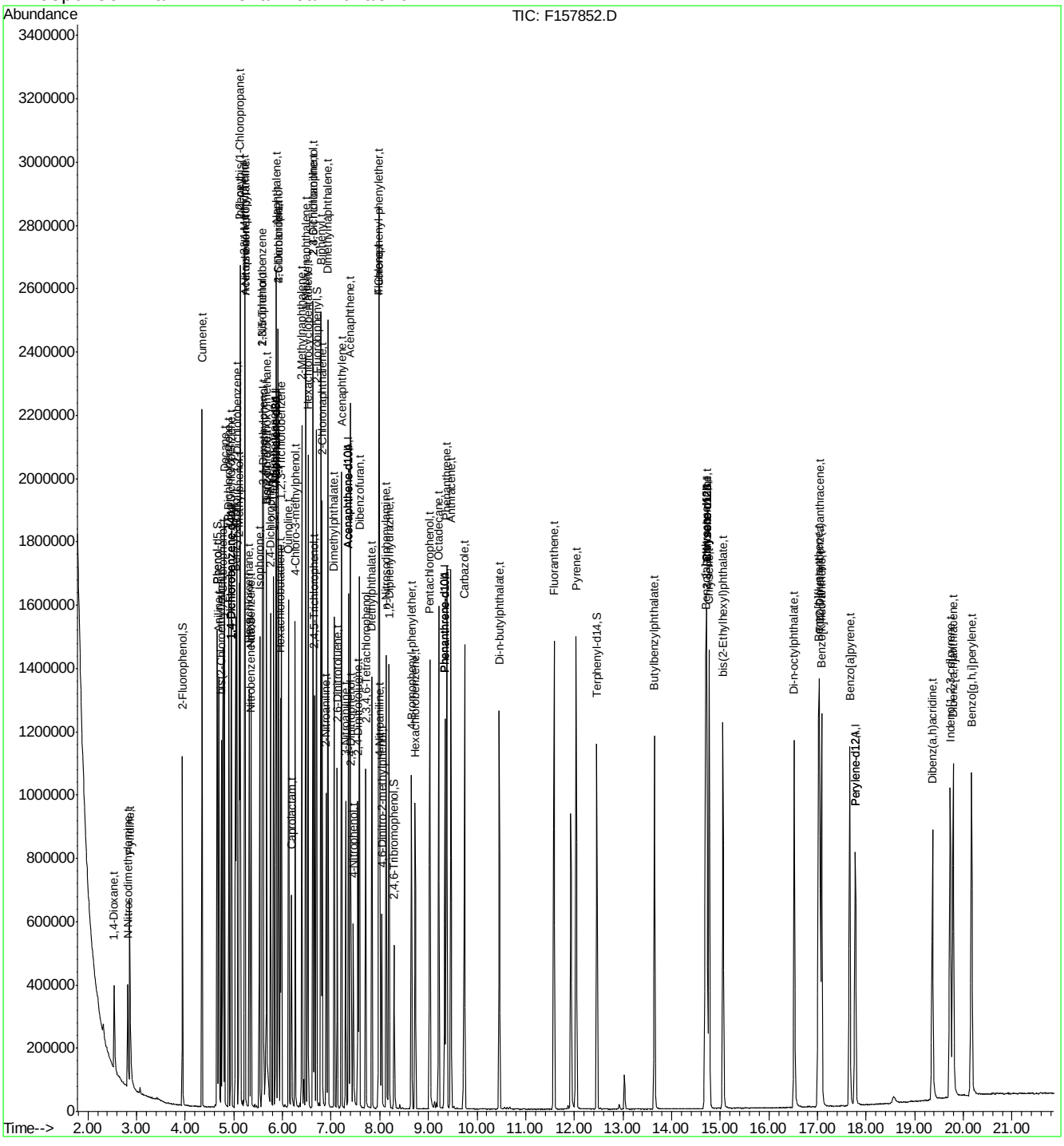
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157852.D Vial: 5
Acq On : 9 Jun 2016 10:58 am Operator: brittanp
Sample : icc6644-50 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:16 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157853.D Vial: 6
Acq On : 9 Jun 2016 11:27 am Operator: brittanp
Sample : ic6644-10 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:16:31 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	171075	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	698053	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	395954	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	604912	40.00	ppm	-0.01
83) Chrysene-d12	14.71	240	508347	40.00	ppm	-0.01
92) Perylene-d12	17.77	264	457691	40.00	ppm	-0.01
102) 1,4-Dichlorobenzene-d4A	4.94	152	171075	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	698053	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	395954	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	604912	40.00	ppm	-0.01
147) Chrysene-d12A	14.71	240	508347	40.00	ppm	-0.01
155) Perylene-d12A	17.77	264	457691	40.00	ppm	-0.01
159) 1,4-Dichlorobenzene-d4b	4.94	152	171075	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	698053	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	395954	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	604912	40.00	ppm	-0.01
167) Chrysene-d12b	14.71	240	508347	40.00	ppm	-0.01
169) 1,4-Dichlorobenzene-d4c	4.94	152	171075	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	698053	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	508347	40.00	ppm	-0.01
178) Naphthalene-d8d	5.86	136	698053	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	508347	40.00	ppm	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	64446	10.71	ppm	0.00
Spiked Amount 50.000			Recovery = 21.42%			
8) Phenol-d5	4.65	99	83095	11.36	ppm	-0.01
Spiked Amount 50.000			Recovery = 22.72%			
25) Nitrobenzene-d5	5.34	82	71214	10.92	ppm	0.00
Spiked Amount 50.000			Recovery = 21.84%			
51) 2-Fluorobiphenyl	6.69	172	128575	10.17	ppm	0.00
Spiked Amount 50.000			Recovery = 20.34%			
73) 2,4,6-Tribromophenol	8.29	330	10926	8.85	ppm	-0.01
Spiked Amount 50.000			Recovery = 17.70%			
85) Terphenyl-d14	12.46	244	101581	9.84	ppm	-0.02
Spiked Amount 50.000			Recovery = 19.68%			

Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	31319	11.82	ppm	98
3) Pyridine	2.86	79	74205	11.89	ppm	98
4) N-Nitrosodimethylamine	2.82	42	18862	8.40	ppm	93
6) Indene	5.12	116	123759	12.22	ppm	99
7) Cumene	4.34	105	165032	12.13	ppm	98
9) Phenol	4.66	94	95384	12.25	ppm	99
10) Aniline	4.69	93	113533	13.32	ppm	76
11) bis(2-Chloroethyl)ether	4.74	93	67660	12.08	ppm	99
12) 2-Chlorophenol	4.78	128	69318	10.91	ppm	98
13) Decane	4.81	43	54716	10.01	ppm	98
14) 1,3-Dichlorobenzene	4.89	146	75579	10.73	ppm	98
15) 1,4-Dichlorobenzene	4.95	146	77143	10.98	ppm	100

(#) = qualifier out of range (m) = manual integration
F157853.D MF6644.M Fri Jun 10 12:18:17 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157853.D Vial: 6
Acq On : 9 Jun 2016 11:27 am Operator: brittanp
Sample : ic6644-10 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:16:31 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
16)	Benzyl alcohol	5.03	108	43940	10.85	ppm		95
17)	1,2-Dichlorobenzene	5.06	146	73020	11.05	ppm		99
18)	Acetophenone	5.23	105	98788	12.90	ppm		99
19)	2-Methylphenol	5.11	108	65694	12.08	ppm		97
20)	2,2'-oxybis(1-Chloropropan	5.13	121	22895	11.34	ppm	#	85
21)	3&4-Methylphenol	5.21	108	69663	12.49	ppm		100
22)	n-Nitroso-di-n-propylamine	5.22	70	52234	12.64	ppm		93
23)	Hexachloroethane	5.31	201	20703	9.51	ppm		92
26)	Nitrobenzene	5.35	77	78515	11.50	ppm		96
27)	Quinoline	6.12	129	139061	10.31	ppm		99
28)	Isophorone	5.52	82	133051	11.41	ppm		98
29)	2-Nitrophenol	5.58	139	32056	9.05	ppm		94
30)	2,4-Dimethylphenol	5.60	107	65747	11.78	ppm		99
31)	Benzoic acid	5.64	105	33545	7.19	ppm		91
32)	bis(2-Chloroethoxy)methane	5.67	93	82644	11.25	ppm		99
33)	2,4-Dichlorophenol	5.75	162	49622	8.91	ppm		99
34)	2,6-Dichlorophenol	5.91	162	50922	9.52	ppm		100
35)	1,3,5-Trichlorobenzene	5.59	180	58254	9.93	ppm		99
36)	1,2,4-Trichlorobenzene	5.82	180	54995	9.55	ppm		99
37)	1,2,3-Trichlorobenzene	5.98	180	55424	9.75	ppm		99
38)	Naphthalene	5.88	128	207705	10.90	ppm		98
39)	4-Chloroaniline	5.91	127	85706	10.89	ppm		98
40)	2,3-Dichloroaniline	6.63	161	65092	10.03	ppm		98
41)	Caprolactam	6.16	55	23030	8.70	ppm		96
42)	Hexachlorobutadiene	5.96	225	24546	9.00	ppm		97
43)	4-Chloro-3-methylphenol	6.26	107	57289	10.48	ppm		96
44)	2-Methylnaphthalene	6.40	141	109991	10.23	ppm		99
45)	1-Methylnaphthalene	6.48	141	115510	10.44	ppm		99
46)	Dimethylnaphthalene	6.93	156	113752	10.15	ppm		99
48)	Hexachlorocyclopentadiene	6.52	237	50908	18.95	ppm		98
49)	2,4,6-Trichlorophenol	6.63	196	31254	9.30	ppm		100
50)	2,4,5-Trichlorophenol	6.65	196	34792	9.41	ppm		100
52)	2-Chloronaphthalene	6.81	162	119196	10.42	ppm		98
53)	Biphenyl	6.79	154	156976	10.68	ppm		98
54)	2-Nitroaniline	6.89	65	33875	10.45	ppm		97
55)	Dimethylphthalate	7.06	163	129851	10.14	ppm		100
56)	Acenaphthylene	7.21	152	190859	10.29	ppm		98
57)	2,6-Dinitrotoluene	7.12	165	26185	9.46	ppm		96
58)	3-Nitroaniline	7.29	138	33611	9.70	ppm		98
59)	Acenaphthene	7.39	153	121370	10.42	ppm		95
60)	2,4-Dinitrophenol	7.41	184	18139	14.26	ppm		85
61)	4-Nitrophenol	7.46	109	15839	9.73	ppm		90
62)	Dibenzofuran	7.58	168	163833	10.31	ppm		96
63)	2,4-Dinitrotoluene	7.54	165	35791	9.54	ppm		97
64)	2,3,4,6-Tetrachlorophenol	7.71	232	23736	8.51	ppm		93
65)	Diethylphthalate	7.83	149	124274	9.82	ppm		99
66)	Fluorene	7.98	166	132135	10.80	ppm		100
67)	4-Chlorophenyl-phenylether	7.98	204	54461	10.10	ppm		94
68)	4-Nitroaniline	7.99	138	35660	10.19	ppm		98

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157853.D Vial: 6
Acq On : 9 Jun 2016 11:27 am Operator: brittanp
Sample : ic6644-10 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:16:31 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.03	198	14951	7.82	ppm	95
71)	n-Nitrosodiphenylamine	8.13	169	86186	9.96	ppm	98
72)	1,2-Diphenylhydrazine	8.19	77	154033	12.87	ppm	98
74)	4-Bromophenyl-phenylether	8.65	248	27280	9.37	ppm	97
75)	Hexachlorobenzene	8.72	284	29073	10.47	ppm	97
76)	Pentachlorophenol	9.02	266	32698	17.87	ppm	97
77)	Phenanthrene	9.37	178	188488	10.83	ppm	98
78)	Anthracene	9.46	178	185766	10.66	ppm	99
79)	Carbazole	9.73	167	175012	10.72	ppm	99
80)	Di-n-butylphthalate	10.46	149	194642	9.54	ppm	99
81)	Fluoranthene	11.58	202	168608	9.77	ppm	98
82)	Octadecane	9.21	57	72960	10.30	ppm	98
84)	Pyrene	12.03	202	183279	10.17	ppm	90
86)	Butylbenzylphthalate	13.65	149	75780	8.56	ppm	99
88)	Benzo[a]anthracene	14.69	228	145192	9.43	ppm	99
89)	3,3'-Dichlorobenzidine	14.72	252	49719	9.27	ppm	99
90)	Chrysene	14.77	228	158254	10.34	ppm	99
91)	bis(2-Ethylhexyl)phthalate	15.06	149	99907	8.14	ppm	99
93)	Di-n-octylphthalate	16.52	149	148120	7.39	ppm	99
94)	Benzo[b]fluoranthene	17.01	252	148535	10.50	ppm	99
95)	Benzo[k]fluoranthene	17.07	252	146979	10.62	ppm	99
96)	Benzo[a]pyrene	17.65	252	123741	9.56	ppm	99
97)	Indeno[1,2,3-cd]pyrene	19.71	276	114916	9.62	ppm	98
98)	Dibenz(a,h)acridine	19.36	279	102835	10.02	ppm	100
99)	Dibenz[a,h]anthracene	19.78	278	117656	10.18	ppm	96
100)	7,12-Dimethylbenz(a)anthra	17.03	256	65021	11.77	ppm	97
101)	Benzo[g,h,i]perylene	20.15	276	130018	10.07	ppm	99

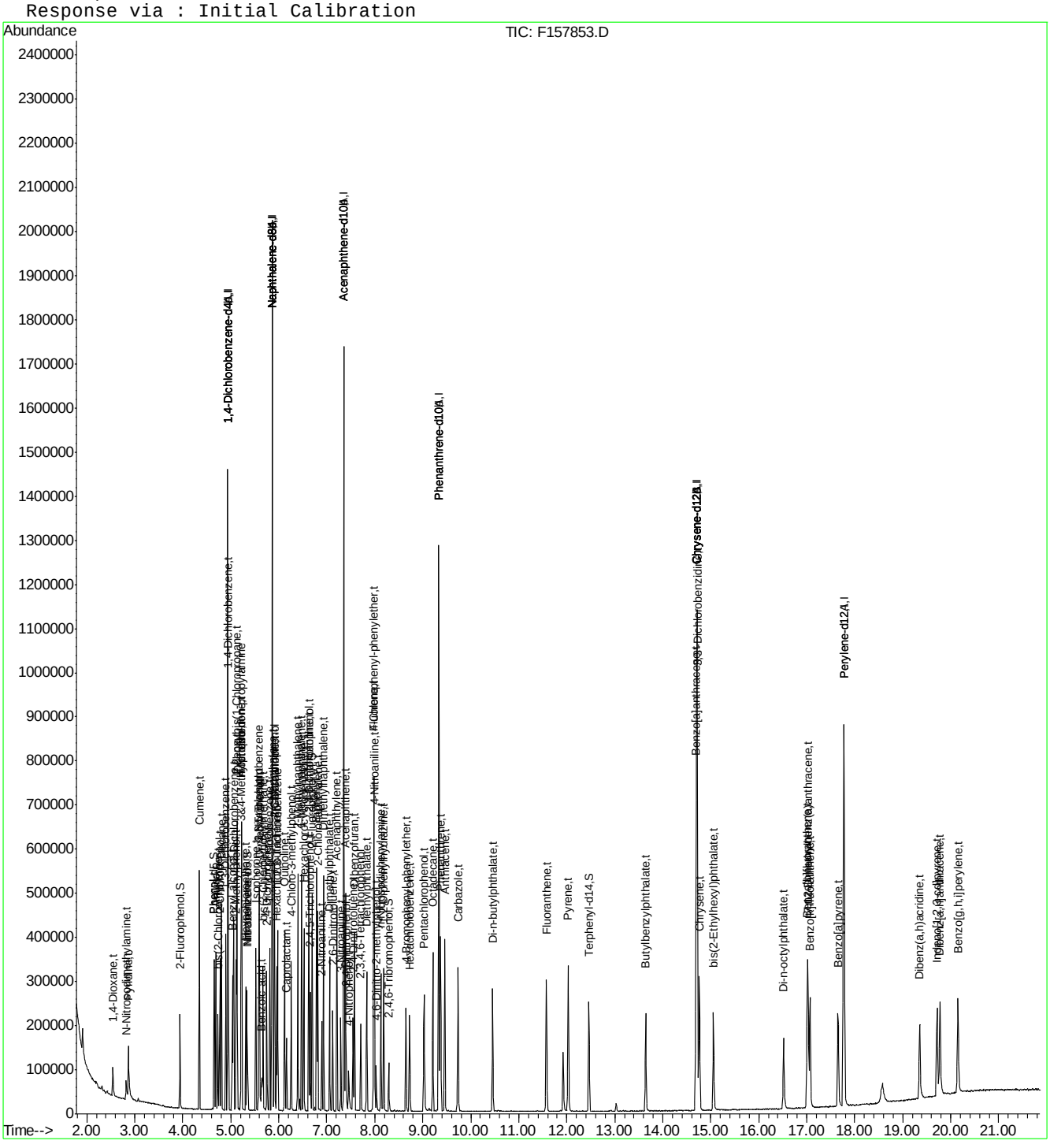
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157853.D Vial: 6
Acq On : 9 Jun 2016 11:27 am Operator: brittanp
Sample : ic6644-10 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:18 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157854.D Vial: 7
Acq On : 9 Jun 2016 11:56 am Operator: brittanp
Sample : ic6644-5 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:18:26 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	174031	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	715684	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	409196	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	621753	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	517385	40.00	ppm	-0.02
92) Perylene-d12	17.77	264	468926	40.00	ppm	-0.01
102) 1,4-Dichlorobenzene-d4A	4.94	152	174031	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	715684	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	409196	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	621753	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	517385	40.00	ppm	-0.02
155) Perylene-d12A	17.77	264	468926	40.00	ppm	-0.01
159) 1,4-Dichlorobenzene-d4b	4.94	152	174031	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	715684	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	409196	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	621753	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	517385	40.00	ppm	-0.02
169) 1,4-Dichlorobenzene-d4c	4.94	152	174031	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	715684	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	517385	40.00	ppm	-0.02
178) Naphthalene-d8d	5.86	136	715684	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	517385	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	33012	5.39	ppm	0.00
Spiked Amount 50.000			Recovery	=	10.78%	
8) Phenol-d5	4.65	99	42906	5.76	ppm	-0.01
Spiked Amount 50.000			Recovery	=	11.52%	
25) Nitrobenzene-d5	5.34	82	35979	5.38	ppm	0.00
Spiked Amount 50.000			Recovery	=	10.76%	
51) 2-Fluorobiphenyl	6.69	172	67773	5.19	ppm	0.00
Spiked Amount 50.000			Recovery	=	10.38%	
73) 2,4,6-Tribromophenol	8.29	330	5260	4.15	ppm	-0.01
Spiked Amount 50.000			Recovery	=	8.30%	
85) Terphenyl-d14	12.46	244	51476	4.90	ppm	-0.02
Spiked Amount 50.000			Recovery	=	9.80%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	17016	6.31	ppm	97
3) Pyridine	2.87	79	38038	5.99	ppm	97
4) N-Nitrosodimethylamine	2.83	42	8297	3.63	ppm	84
6) Indene	5.12	116	63665	6.18	ppm	98
7) Cumene	4.34	105	87212	6.30	ppm	98
9) Phenol	4.66	94	48405	6.11	ppm	97
10) Aniline	4.69	93	59830	6.90	ppm	64
11) bis(2-Chloroethyl)ether	4.73	93	36632	6.43	ppm	98
12) 2-Chlorophenol	4.78	128	35449	5.49	ppm	98
13) Decane	4.81	43	28465	5.12	ppm	98
14) 1,3-Dichlorobenzene	4.89	146	40517	5.65	ppm	98
15) 1,4-Dichlorobenzene	4.95	146	39373	5.51	ppm	95

(#) = qualifier out of range (m) = manual integration
F157854.D MF6644.M Fri Jun 10 12:20:15 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157854.D Vial: 7
Acq On : 9 Jun 2016 11:56 am Operator: brittanp
Sample : ic6644-5 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:18:26 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
16) Benzyl alcohol	5.03	108	23606	5.73	ppm		96
17) 1,2-Dichlorobenzene	5.06	146	37589	5.59	ppm		99
18) Acetophenone	5.23	105	51747	6.64	ppm		97
19) 2-Methylphenol	5.10	108	33710	6.09	ppm		100
20) 2,2'-oxybis(1-Chloropropan	5.13	121	11825	5.76	ppm	#	84
21) 3&4-Methylphenol	5.21	108	35553	6.26	ppm		99
22) n-Nitroso-di-n-propylamine	5.22	70	27400	6.52	ppm		96
23) Hexachloroethane	5.31	201	10669	4.82	ppm		92
26) Nitrobenzene	5.35	77	40333	5.76	ppm		98
27) Quinoline	6.12	129	72205	5.22	ppm		98
28) Isophorone	5.52	82	68041	5.69	ppm		98
29) 2-Nitrophenol	5.58	139	15178	4.18	ppm		96
30) 2,4-Dimethylphenol	5.60	107	34064	5.96	ppm		96
31) Benzoic acid	5.64	105	14439	3.02	ppm		95
32) bis(2-Chloroethoxy)methane	5.67	93	43851	5.82	ppm		99
33) 2,4-Dichlorophenol	5.75	162	25956	4.54	ppm		96
34) 2,6-Dichlorophenol	5.91	162	26182	4.77	ppm		98
35) 1,3,5-Trichlorobenzene	5.59	180	30222	5.03	ppm		99
36) 1,2,4-Trichlorobenzene	5.81	180	28606	4.84	ppm		97
37) 1,2,3-Trichlorobenzene	5.98	180	28227	4.84	ppm		98
38) Naphthalene	5.88	128	109455	5.60	ppm		100
39) 4-Chloroaniline	5.91	127	44682	5.54	ppm		96
40) 2,3-Dichloroaniline	6.63	161	33883	5.09	ppm		98
41) Caprolactam	6.16	55	11516	4.24	ppm		95
42) Hexachlorobutadiene	5.96	225	13192	4.72	ppm		96
43) 4-Chloro-3-methylphenol	6.26	107	29205	5.21	ppm		96
44) 2-Methylnaphthalene	6.40	141	58015	5.26	ppm		96
45) 1-Methylnaphthalene	6.48	141	60941	5.37	ppm		97
46) Dimethylnaphthalene	6.93	156	58913	5.13	ppm		97
48) Hexachlorocyclopentadiene	6.52	237	24919	8.97	ppm		96
49) 2,4,6-Trichlorophenol	6.62	196	15280	4.40	ppm		99
50) 2,4,5-Trichlorophenol	6.65	196	17099	4.47	ppm		97
52) 2-Chloronaphthalene	6.81	162	61741	5.22	ppm		96
53) Biphenyl	6.79	154	83232	5.48	ppm		97
54) 2-Nitroaniline	6.89	65	16260	4.85	ppm		95
55) Dimethylphthalate	7.06	163	68027	5.14	ppm		99
56) Acenaphthylene	7.21	152	100327	5.23	ppm		97
57) 2,6-Dinitrotoluene	7.12	165	12276	4.29	ppm		98
58) 3-Nitroaniline	7.29	138	16298	4.55	ppm		96
59) Acenaphthene	7.39	153	65153	5.41	ppm		96
60) 2,4-Dinitrophenol	7.41	184	6676	5.08	ppm		79
61) 4-Nitrophenol	7.46	109	7333	4.36	ppm		95
62) Dibenzofuran	7.58	168	86727	5.28	ppm		98
63) 2,4-Dinitrotoluene	7.54	165	17275	4.46	ppm		89
64) 2,3,4,6-Tetrachlorophenol	7.71	232	11418	3.96	ppm		92
65) Diethylphthalate	7.83	149	63777	4.88	ppm		99
66) Fluorene	7.98	166	67977	5.38	ppm		98
67) 4-Chlorophenyl-phenylether	7.98	204	28772	5.16	ppm		93
68) 4-Nitroaniline	7.99	138	16756	4.63	ppm		98

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157854.D Vial: 7
Acq On : 9 Jun 2016 11:56 am Operator: brittanp
Sample : ic6644-5 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:18:26 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.03	198	5846	2.98	ppm	94
71)	n-Nitrosodiphenylamine	8.13	169	44676	5.02	ppm	97
72)	1,2-Diphenylhydrazine	8.19	77	79889	6.50	ppm	98
74)	4-Bromophenyl-phenylether	8.65	248	14201	4.75	ppm	96
75)	Hexachlorobenzene	8.72	284	14852	5.20	ppm	96
76)	Pentachlorophenol	9.03	266	14493	7.71	ppm	94
77)	Phenanthrene	9.37	178	98818	5.52	ppm	98
78)	Anthracene	9.46	178	96155	5.37	ppm	99
79)	Carbazole	9.74	167	89043	5.30	ppm	99
80)	Di-n-butylphthalate	10.46	149	95111	4.54	ppm	99
81)	Fluoranthene	11.58	202	84996	4.79	ppm	100
82)	Octadecane	9.21	57	36334	4.99	ppm	97
84)	Pyrene	12.03	202	92859	5.06	ppm	90
86)	Butylbenzylphthalate	13.64	149	34684	3.85	ppm	95
88)	Benzo[a]anthracene	14.69	228	73338	4.68	ppm	98
89)	3,3'-Dichlorobenzidine	14.72	252	22611	4.14	ppm	99
90)	Chrysene	14.76	228	82545	5.30	ppm	99
91)	bis(2-Ethylhexyl)phthalate	15.06	149	43141	3.45	ppm	99
93)	Di-n-octylphthalate	16.52	149	58384	2.84	ppm	97
94)	Benzo[b]fluoranthene	17.01	252	71958	4.97	ppm	99
95)	Benzo[k]fluoranthene	17.07	252	73795	5.20	ppm	97
96)	Benzo[a]pyrene	17.65	252	60577	4.57	ppm	98
97)	Indeno[1,2,3-cd]pyrene	19.71	276	54645	4.46	ppm	99
98)	Dibenz(a,h)acridine	19.35	279	47470	4.52	ppm	97
99)	Dibenz[a,h]anthracene	19.77	278	56966	4.81	ppm	98
100)	7,12-Dimethylbenz(a)anthra	17.03	256	30671	5.42	ppm	96
101)	Benzo[g,h,i]perylene	20.15	276	64735	4.89	ppm	100

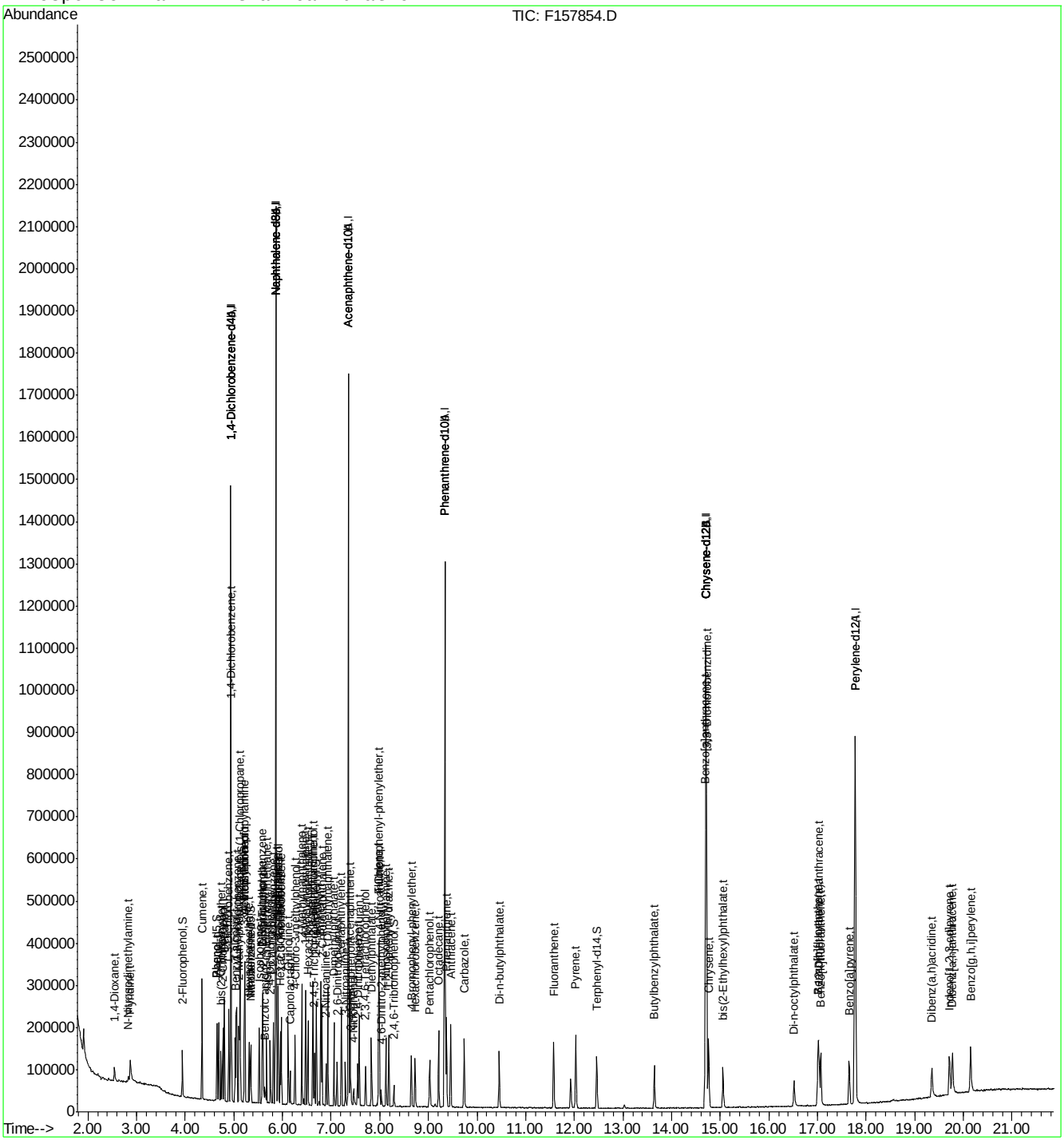
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157854.D Vial: 7
Acq On : 9 Jun 2016 11:56 am Operator: brittanp
Sample : ic6644-5 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:20 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157855.D Vial: 8
Acq On : 9 Jun 2016 12:25 pm Operator: brittanp
Sample : ic6644-2 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:20:22 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	167620	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	688030	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	389483	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	597708	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	500149	40.00	ppm	-0.02
92) Perylene-d12	17.77	264	454054	40.00	ppm	-0.01
102) 1,4-Dichlorobenzene-d4A	4.94	152	167620	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	688030	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	389483	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	597708	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	500149	40.00	ppm	-0.02
155) Perylene-d12A	17.77	264	454054	40.00	ppm	-0.01
159) 1,4-Dichlorobenzene-d4b	4.94	152	167620	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	688030	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	389483	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	597708	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	500149	40.00	ppm	-0.02
169) 1,4-Dichlorobenzene-d4c	4.94	152	167620	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	688030	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	500149	40.00	ppm	-0.02
178) Naphthalene-d8d	5.86	136	688030	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	500149	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	11994	2.03	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.06%	
8) Phenol-d5	4.65	99	16153	2.25	ppm	-0.01
Spiked Amount 50.000			Recovery	=	4.50%	
25) Nitrobenzene-d5	5.34	82	13929	2.17	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.34%	
51) 2-Fluorobiphenyl	6.69	172	26663	2.14	ppm	0.00
Spiked Amount 50.000			Recovery	=	4.28%	
73) 2,4,6-Tribromophenol	8.29	330	1680	1.38	ppm	-0.01
Spiked Amount 50.000			Recovery	=	2.76%	
85) Terphenyl-d14	12.46	244	19163	1.89	ppm	-0.02
Spiked Amount 50.000			Recovery	=	3.78%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	6242	2.40	ppm	97
3) Pyridine	2.89	79	14970	2.45	ppm	97
4) N-Nitrosodimethylamine	2.84	42	3035	1.38	ppm #	76
6) Indene	5.12	116	25022	2.52	ppm	98
7) Cumene	4.34	105	34213	2.57	ppm	99
9) Phenol	4.66	94	18405	2.41	ppm	95
10) Aniline	4.69	93	23521	2.82	ppm	67
11) bis(2-Chloroethyl)ether	4.74	93	13657	2.49	ppm	99
12) 2-Chlorophenol	4.78	128	13298	2.14	ppm	92
13) Decane	4.81	43	11159	2.08	ppm	94
14) 1,3-Dichlorobenzene	4.89	146	15430	2.24	ppm	98
15) 1,4-Dichlorobenzene	4.95	146	16203	2.35	ppm	97

(#) = qualifier out of range (m) = manual integration
F157855.D MF6644.M Fri Jun 10 12:22:12 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157855.D Vial: 8
Acq On : 9 Jun 2016 12:25 pm Operator: brittanp
Sample : ic6644-2 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:20:22 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
16)	Benzyl alcohol	5.03	108	8646	2.18	ppm		95
17)	1,2-Dichlorobenzene	5.06	146	15182	2.35	ppm		99
18)	Acetophenone	5.23	105	20454	2.73	ppm		98
19)	2-Methylphenol	5.10	108	12529	2.35	ppm		98
20)	2,2'-oxybis(1-Chloropropan	5.13	121	4879	2.47	ppm	#	88
21)	3&4-Methylphenol	5.21	108	13415	2.45	ppm		95
22)	n-Nitroso-di-n-propylamine	5.22	70	10292	2.54	ppm		95
23)	Hexachloroethane	5.31	201	3963	1.86	ppm		89
26)	Nitrobenzene	5.35	77	14951	2.22	ppm		96
27)	Quinoline	6.12	129	27737	2.09	ppm		98
28)	Isophorone	5.52	82	25238	2.20	ppm		99
29)	2-Nitrophenol	5.58	139	5000	1.43	ppm		89
30)	2,4-Dimethylphenol	5.60	107	12725	2.31	ppm		96
31)	Benzoic acid	5.63	105	4456	0.97	ppm		85
32)	bis(2-Chloroethoxy)methane	5.67	93	16321	2.25	ppm		97
33)	2,4-Dichlorophenol	5.75	162	9130	1.66	ppm		99
34)	2,6-Dichlorophenol	5.91	162	9634	1.83	ppm		99
35)	1,3,5-Trichlorobenzene	5.59	180	12431	2.15	ppm		98
36)	1,2,4-Trichlorobenzene	5.81	180	11822	2.08	ppm		92
37)	1,2,3-Trichlorobenzene	5.98	180	11601	2.07	ppm		96
38)	Naphthalene	5.88	128	43396	2.31	ppm		100
39)	4-Chloroaniline	5.91	127	17210	2.22	ppm		93
40)	2,3-Dichloroaniline	6.63	161	12802	2.00	ppm		98
41)	Caprolactam	6.15	55	4101	1.57	ppm		95
42)	Hexachlorobutadiene	5.96	225	4993	1.86	ppm		92
43)	4-Chloro-3-methylphenol	6.26	107	10323	1.92	ppm		94
44)	2-Methylnaphthalene	6.40	141	22048	2.08	ppm		97
45)	1-Methylnaphthalene	6.48	141	23462	2.15	ppm		97
46)	Dimethylnaphthalene	6.93	156	23098	2.09	ppm		96
48)	Hexachlorocyclopentadiene	6.52	237	8520	3.22	ppm		95
49)	2,4,6-Trichlorophenol	6.63	196	5683	1.72	ppm		92
50)	2,4,5-Trichlorophenol	6.66	196	5959	1.64	ppm		98
52)	2-Chloronaphthalene	6.81	162	23679	2.10	ppm		97
53)	Biphenyl	6.79	154	32548	2.25	ppm		97
54)	2-Nitroaniline	6.89	65	5301	1.66	ppm		95
55)	Dimethylphthalate	7.06	163	26203	2.08	ppm		100
56)	Acenaphthylene	7.21	152	37344	2.05	ppm		100
57)	2,6-Dinitrotoluene	7.12	165	4024	1.48	ppm		95
58)	3-Nitroaniline	7.29	138	5176	1.52	ppm		95
59)	Acenaphthene	7.39	153	25463	2.22	ppm		97
60)	2,4-Dinitrophenol	7.41	184	1380	1.10	ppm	#	24
61)	4-Nitrophenol	7.47	109	2091	1.31	ppm		96
62)	Dibenzofuran	7.58	168	34592	2.21	ppm		99
63)	2,4-Dinitrotoluene	7.54	165	5043	1.37	ppm		96
64)	2,3,4,6-Tetrachlorophenol	7.71	232	3687	1.34	ppm		98
65)	Diethylphthalate	7.83	149	23818	1.91	ppm		98
66)	Fluorene	7.98	166	26754	2.22	ppm		99
67)	4-Chlorophenyl-phenylether	7.98	204	11041	2.08	ppm		94
68)	4-Nitroaniline	7.99	138	5445	1.58	ppm		91

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157855.D Vial: 8
Acq On : 9 Jun 2016 12:25 pm Operator: brittanp
Sample : ic6644-2 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:20:22 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	4,6-Dinitro-2-methylphenol	8.04	198	1688	0.89	ppm	95
71)	n-Nitrosodiphenylamine	8.13	169	16542	1.93	ppm	95
72)	1,2-Diphenylhydrazine	8.18	77	30223	2.56	ppm	98
74)	4-Bromophenyl-phenylether	8.65	248	5389	1.87	ppm	97
75)	Hexachlorobenzene	8.72	284	5827	2.12	ppm	89
76)	Pentachlorophenol	9.03	266	4088	2.26	ppm	94
77)	Phenanthrene	9.37	178	40441	2.35	ppm	96
78)	Anthracene	9.46	178	36474	2.12	ppm	98
79)	Carbazole	9.74	167	33424	2.07	ppm	98
80)	Di-n-butylphthalate	10.46	149	32511	1.61	ppm	98
81)	Fluoranthene	11.58	202	32373	1.90	ppm	98
82)	Octadecane	9.21	57	12963	1.85	ppm	94
84)	Pyrene	12.03	202	35272	1.99	ppm	88
86)	Butylbenzylphthalate	13.64	149	10627	1.22	ppm	94
88)	Benzo[a]anthracene	14.69	228	28533	1.88	ppm	99
89)	3,3'-Dichlorobenzidine	14.72	252	6755	1.28	ppm	91
90)	Chrysene	14.76	228	31546	2.09	ppm	98
91)	bis(2-Ethylhexyl)phthalate	15.06	149	11242	0.93	ppm	96
93)	Di-n-octylphthalate	16.51	149	14215	0.71	ppm	94
94)	Benzo[b]fluoranthene	17.00	252	25203	1.80	ppm	98
95)	Benzo[k]fluoranthene	17.06	252	27348	1.99	ppm	93
96)	Benzo[a]pyrene	17.65	252	20467	1.59	ppm	93
97)	Indeno[1,2,3-cd]pyrene	19.71	276	18036	1.52	ppm	94
98)	Dibenz(a,h)acridine	19.36	279	15044	1.48	ppm	98
99)	Dibenz[a,h]anthracene	19.78	278	18750	1.64	ppm	99
100)	7,12-Dimethylbenz(a)anthra	17.03	256	10393	1.90	ppm	95
101)	Benzo[g,h,i]perylene	20.15	276	22187	1.73	ppm	95

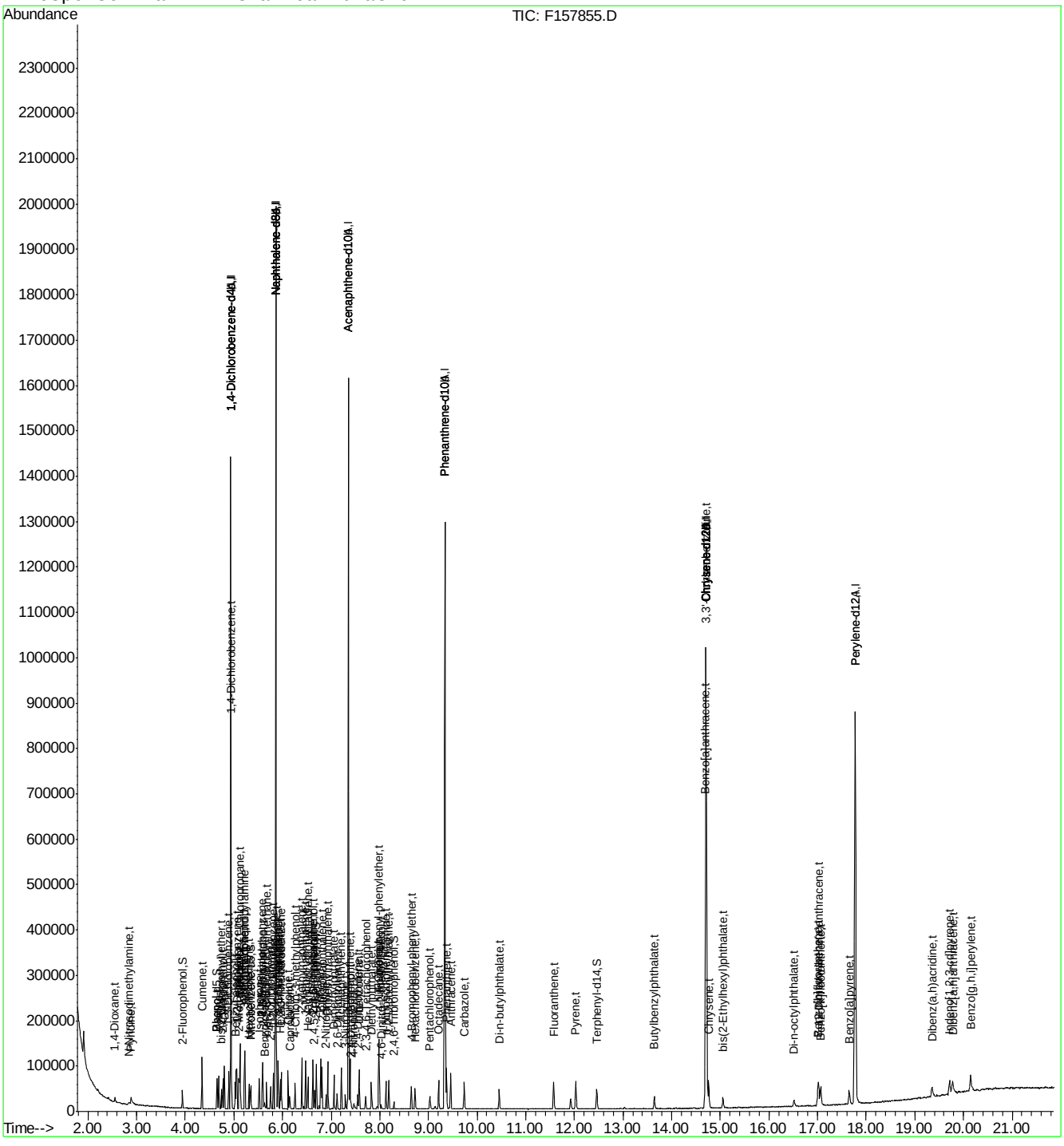
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157855.D Vial: 8
Acq On : 9 Jun 2016 12:25 pm Operator: brittanp
Sample : ic6644-2 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:21 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157856.D Vial: 9
Acq On : 9 Jun 2016 12:53 pm Operator: brittanp
Sample : ic6644-1 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:22:18 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	169234	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	699874	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	395826	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	609595	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	506799	40.00	ppm	-0.01
92) Perylene-d12	17.77	264	457194	40.00	ppm	-0.01
102) 1,4-Dichlorobenzene-d4A	4.94	152	169234	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	699874	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	395826	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	609595	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	506799	40.00	ppm	-0.01
155) Perylene-d12A	17.77	264	457194	40.00	ppm	-0.01
159) 1,4-Dichlorobenzene-d4b	4.94	152	169234	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	699874	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	395826	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	609595	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	506799	40.00	ppm	-0.01
169) 1,4-Dichlorobenzene-d4c	4.94	152	169234	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	699874	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	506799	40.00	ppm	-0.01
178) Naphthalene-d8d	5.86	136	699874	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	506799	40.00	ppm	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	3.94	112	5889	0.99	ppm	0.00
Spiked Amount 50.000			Recovery = 1.98%			
8) Phenol-d5	4.65	99	7784	1.08	ppm	-0.01
Spiked Amount 50.000			Recovery = 2.16%			
25) Nitrobenzene-d5	5.34	82	6617	1.01	ppm	0.00
Spiked Amount 50.000			Recovery = 2.02%			
51) 2-Fluorobiphenyl	6.69	172	13602	1.08	ppm	0.00
Spiked Amount 50.000			Recovery = 2.16%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	12.46	244	9574	0.93	ppm	-0.01
Spiked Amount 50.000			Recovery = 1.86%			

Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	3259	1.24	ppm	91
3) Pyridine	2.90	79	6330	1.03	ppm	98
4) N-Nitrosodimethylamine	2.86	42	1734	0.78	ppm	83
6) Indene	5.12	116	12899	1.29	ppm	99
7) Cumene	4.34	105	17905	1.33	ppm	99
9) Phenol	4.66	94	8895	1.15	ppm	91
10) Aniline	4.69	93	11643	1.38	ppm	66
11) bis(2-Chloroethyl)ether	4.73	93	7467	1.35	ppm	95
12) 2-Chlorophenol	4.78	128	6908	1.10	ppm	96
13) Decane	4.81	43	6084	1.13	ppm	95
14) 1,3-Dichlorobenzene	4.89	146	8099	1.16	ppm	96
15) 1,4-Dichlorobenzene	4.95	146	8428	1.21	ppm	98

(#) = qualifier out of range (m) = manual integration
F157856.D MF6644.M Fri Jun 10 12:24:01 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157856.D Vial: 9
Acq On : 9 Jun 2016 12:53 pm Operator: brittanp
Sample : ic6644-1 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:22:18 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
16)	Benzyl alcohol	5.03	108	4206	1.05 ppm		94
17)	1,2-Dichlorobenzene	5.06	146	7794	1.19 ppm		98
18)	Acetophenone	5.23	105	9955	1.31 ppm		97
19)	2-Methylphenol	5.10	108	6023	1.12 ppm		97
20)	2,2'-oxybis(1-Chloropropan	5.13	121	2474	1.24 ppm	#	89
21)	3&4-Methylphenol	5.21	108	6439	1.17 ppm		98
22)	n-Nitroso-di-n-propylamine	5.22	70	4905	1.20 ppm		93
23)	Hexachloroethane	5.31	201	2033	0.94 ppm		91
26)	Nitrobenzene	5.35	77	7784	1.14 ppm		92
27)	Quinoline	6.12	129	14152	1.05 ppm		99
28)	Isophorone	5.52	82	12072	1.03 ppm		96
29)	2-Nitrophenol	5.58	139	2316	0.65 ppm		74
30)	2,4-Dimethylphenol	5.60	107	6313	1.13 ppm		94
31)	Benzoic acid	5.63	105	1882	0.40 ppm		92
32)	bis(2-Chloroethoxy)methane	5.67	93	8589	1.17 ppm		97
33)	2,4-Dichlorophenol	5.75	162	4195	0.75 ppm		99
34)	2,6-Dichlorophenol	5.91	162	4414	0.82 ppm		97
35)	1,3,5-Trichlorobenzene	5.59	180	6318	1.07 ppm		96
36)	1,2,4-Trichlorobenzene	5.82	180	5751	1.00 ppm		97
37)	1,2,3-Trichlorobenzene	5.98	180	5675	1.00 ppm		95
38)	Naphthalene	5.88	128	22792	1.19 ppm		96
39)	4-Chloroaniline	5.91	127	8366	1.06 ppm		95
40)	2,3-Dichloroaniline	6.63	161	6214	0.95 ppm		98
41)	Caprolactam	6.15	55	1775	0.67 ppm		93
42)	Hexachlorobutadiene	5.96	225	2530	0.93 ppm		95
43)	4-Chloro-3-methylphenol	6.26	107	5006	0.91 ppm		95
44)	2-Methylnaphthalene	6.40	141	11526	1.07 ppm		96
45)	1-Methylnaphthalene	6.48	141	12554	1.13 ppm		99
46)	Dimethylnaphthalene	6.93	156	11512	1.02 ppm		97
48)	Hexachlorocyclopentadiene	6.52	237	3636	1.35 ppm		96
49)	2,4,6-Trichlorophenol	6.63	196	2389	0.71 ppm		96
50)	2,4,5-Trichlorophenol	6.66	196	2879	0.78 ppm		86
52)	2-Chloronaphthalene	6.81	162	12621	1.10 ppm		98
53)	Biphenyl	6.79	154	16786	1.14 ppm		98
54)	2-Nitroaniline	6.90	65	2708	0.84 ppm		86
55)	Dimethylphthalate	7.06	163	12758	1.00 ppm		98
56)	Acenaphthylene	7.21	152	18729	1.01 ppm		99
57)	2,6-Dinitrotoluene	7.12	165	1708	0.62 ppm		82
58)	3-Nitroaniline	7.29	138	2423	0.70 ppm		97
59)	Acenaphthene	7.39	153	13090	1.12 ppm		92
62)	Dibenzofuran	7.58	168	17781	1.12 ppm		98
63)	2,4-Dinitrotoluene	7.54	165	2192	0.58 ppm		84
64)	2,3,4,6-Tetrachlorophenol	7.72	232	1465	0.53 ppm		97
65)	Diethylphthalate	7.83	149	11761	0.93 ppm		100
66)	Fluorene	7.98	166	13060	1.07 ppm		98
67)	4-Chlorophenyl-phenylether	7.98	204	5540	1.03 ppm		98
68)	4-Nitroaniline	8.00	138	2209	0.63 ppm		71
71)	n-Nitrosodiphenylamine	8.13	169	8339	0.96 ppm		95
72)	1,2-Diphenylhydrazine	8.19	77	14723	1.22 ppm		97

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157856.D Vial: 9
Acq On : 9 Jun 2016 12:53 pm Operator: brittanp
Sample : ic6644-1 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:22:18 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74)	4-Bromophenyl-phenylether	8.65	248	2701	0.92	ppm	92
75)	Hexachlorobenzene	8.72	284	3240	1.16	ppm	89
76)	Pentachlorophenol	9.03	266	1400	0.76	ppm	88
77)	Phenanthrene	9.37	178	20643	1.18	ppm	98
78)	Anthracene	9.46	178	17822	1.02	ppm	97
79)	Carbazole	9.74	167	16086	0.98	ppm	99
80)	Di-n-butylphthalate	10.46	149	14778	0.72	ppm	98
81)	Fluoranthene	11.58	202	16253	0.93	ppm	99
82)	Octadecane	9.21	57	6053	0.85	ppm	95
84)	Pyrene	12.03	202	17171	0.96	ppm	92
86)	Butylbenzylphthalate	13.64	149	4362	0.49	ppm	87
88)	Benzo[a]anthracene	14.69	228	15102	0.98	ppm	98
89)	3,3'-Dichlorobenzidine	14.72	252	2829	0.53	ppm	86
90)	Chrysene	14.76	228	16573	1.09	ppm	94
91)	bis(2-Ethylhexyl)phthalate	15.06	149	4290	0.35	ppm	93
93)	Di-n-octylphthalate	16.51	149	6075	0.30	ppm	92
94)	Benzo[b]fluoranthene	17.01	252	11943	0.85	ppm	97
95)	Benzo[k]fluoranthene	17.06	252	12426	0.90	ppm	99
96)	Benzo[a]pyrene	17.65	252	9182	0.71	ppm	96
97)	Indeno[1,2,3-cd]pyrene	19.71	276	8065	0.68	ppm	79
98)	Dibenz(a,h)acridine	19.36	279	6074	0.59	ppm	98
99)	Dibenz[a,h]anthracene	19.77	278	8685	0.75	ppm	92
100)	7,12-Dimethylbenz(a)anthra	17.02	256	4269	0.77	ppm	96
101)	Benzo[g,h,i]perylene	20.15	276	10703	0.83	ppm	93

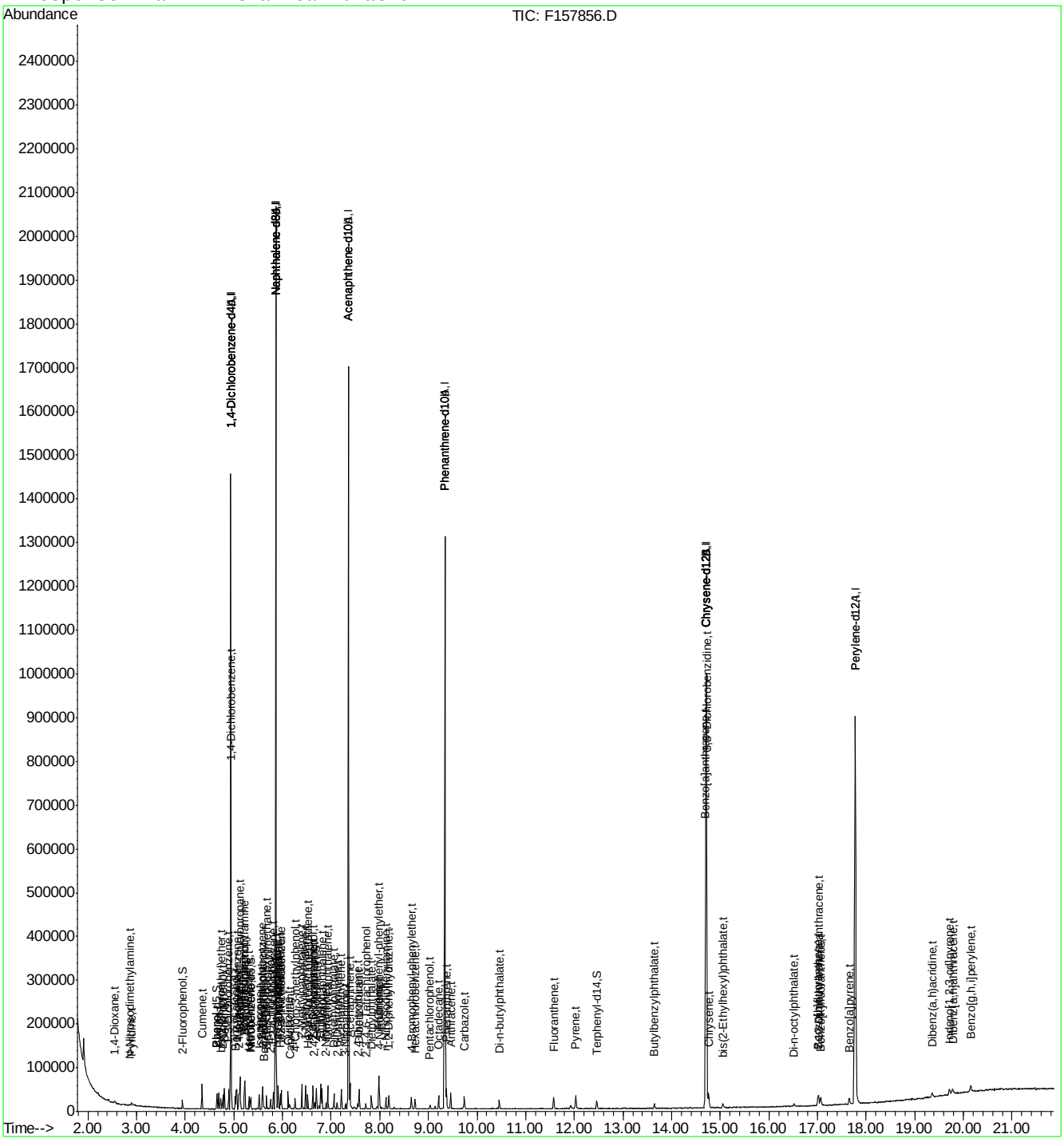
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157856.D Vial: 9
Acq On : 9 Jun 2016 12:53 pm Operator: brittanp
Sample : ic6644-1 Inst : MSF
Misc : op93756,ef6644 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:23 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:07:06 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157858.D Vial: 2
Acq On : 9 Jun 2016 3:03 pm Operator: brittanp
Sample : ic6645-100 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:34:30 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	152028	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	626697	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	355131	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	528322	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	432836	40.00	ppm	0.00
92) Perylene-d12	17.77	264	385300	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	152028	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	626697	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	355131	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	528322	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	432836	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	385300	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	152028	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	626697	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	355131	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	528322	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	432836	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	152028	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	626697	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	432836	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	626697	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	432836	40.00	ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

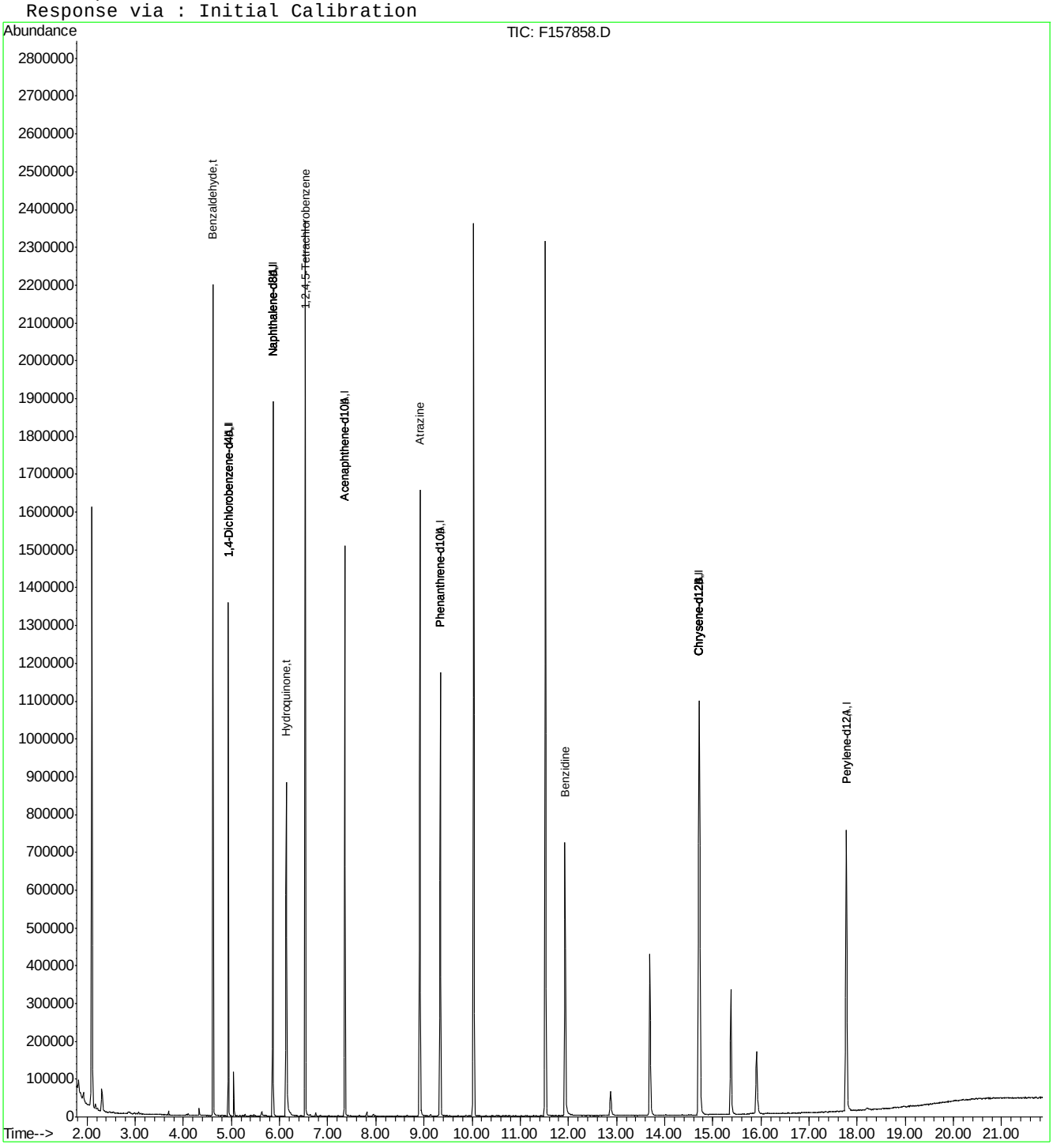
Target Compounds						Qvalue
160) Benzaldehyde	4.62	105	352210	100.00	ppm	100
162) Hydroquinone	6.14	110	563420	100.00	ppm	100
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	344625	100.00	ppm	100
166) Atrazine	8.92	200	226734	99.94	ppm	100
168) Benzidine	11.93	184	391935	98.72	ppm	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157858.D MF6644.M Fri Jun 10 12:35:24 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157858.D Vial: 2
Acq On : 9 Jun 2016 3:03 pm Operator: brittanp
Sample : ic6645-100 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:35 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



F157858.D MF6644.M Fri Jun 10 12:35:24 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157859.D Vial: 3
Acq On : 9 Jun 2016 3:32 pm Operator: brittanp
Sample : ic6645-80 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:35:32 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	163784	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	668595	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	375423	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	570798	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	475506	40.00	ppm	0.00
92) Perylene-d12	17.77	264	421551	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	163784	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	668595	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	375423	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	570798	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	475506	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	421551	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	163784	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	668595	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	375423	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	570798	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	475506	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	163784	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	668595	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	475506	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	668595	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	475506	40.00	ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

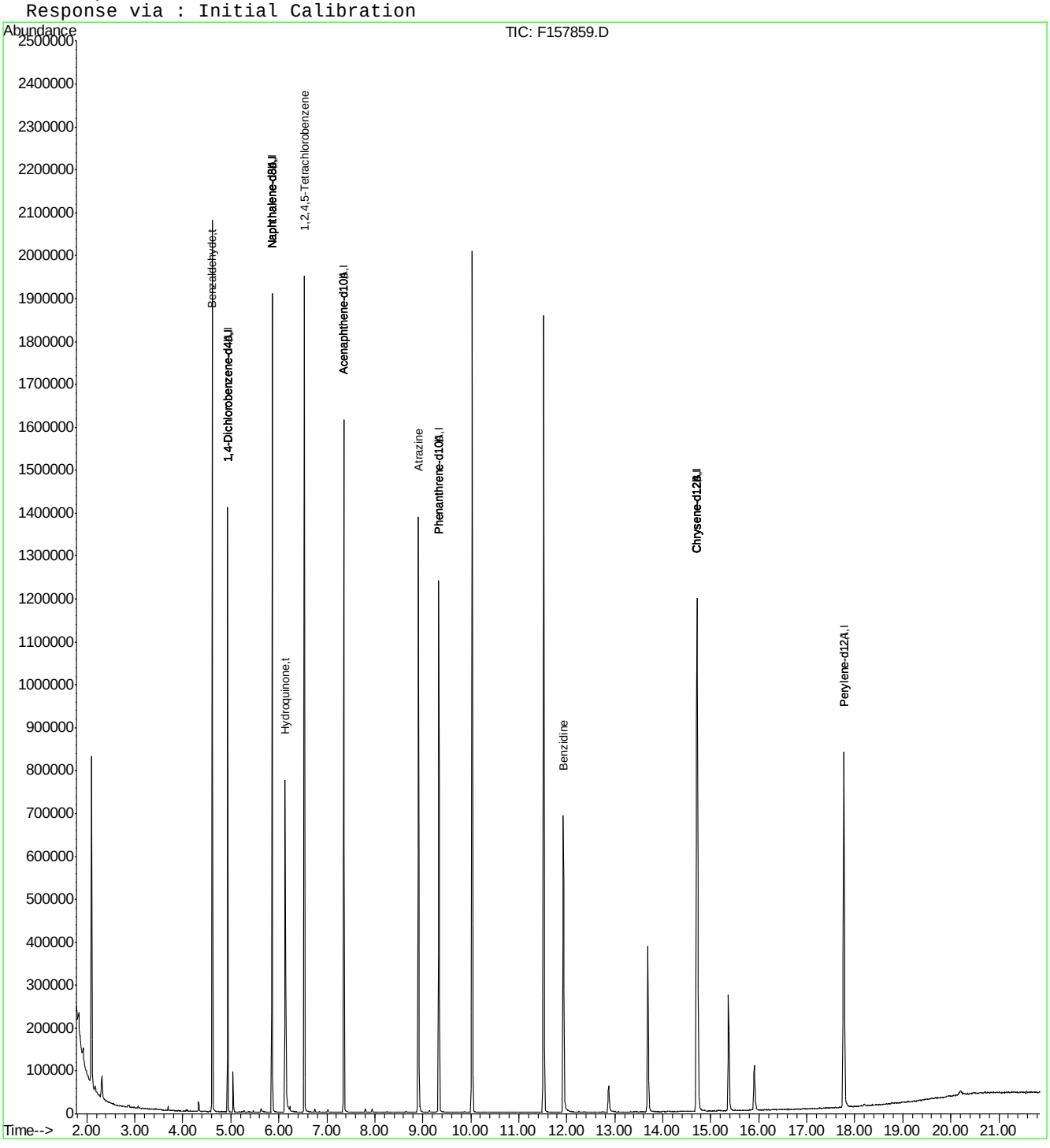
Target Compounds						Qvalue
160) Benzaldehyde	4.62	105	333578	87.91	ppm	98
162) Hydroquinone	6.13	110	475420	79.09	ppm	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	295311	81.06	ppm	99
166) Atrazine	8.91	200	194961	79.54	ppm	98
168) Benzidine	11.93	184	379118	86.93	ppm	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157859.D Vial: 3
Acq On : 9 Jun 2016 3:32 pm Operator: brittanp
Sample : ic6645-80 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:36 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157860.D Vial: 4
Acq On : 9 Jun 2016 4:01 pm Operator: brittanp
Sample : icc6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:36:26 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	174501	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	706776	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	392343	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	589752	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	493214	40.00 ppm	0.00
92) Perylene-d12	17.77	264	437078	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	174501	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	706776	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	392343	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	589752	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	493214	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	437078	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	174501	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	706776	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	392343	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	589752	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	493214	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	174501	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	706776	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	493214	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	706776	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	493214	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

Target Compounds					Qvalue
160) Benzaldehyde	4.62	105	247230	61.15 ppm	96
162) Hydroquinone	6.13	110	305178	48.03 ppm	98
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	201972	53.05 ppm	99
166) Atrazine	8.91	200	128532	50.75 ppm	99
168) Benzidine	11.93	184	313970	69.40 ppm	99

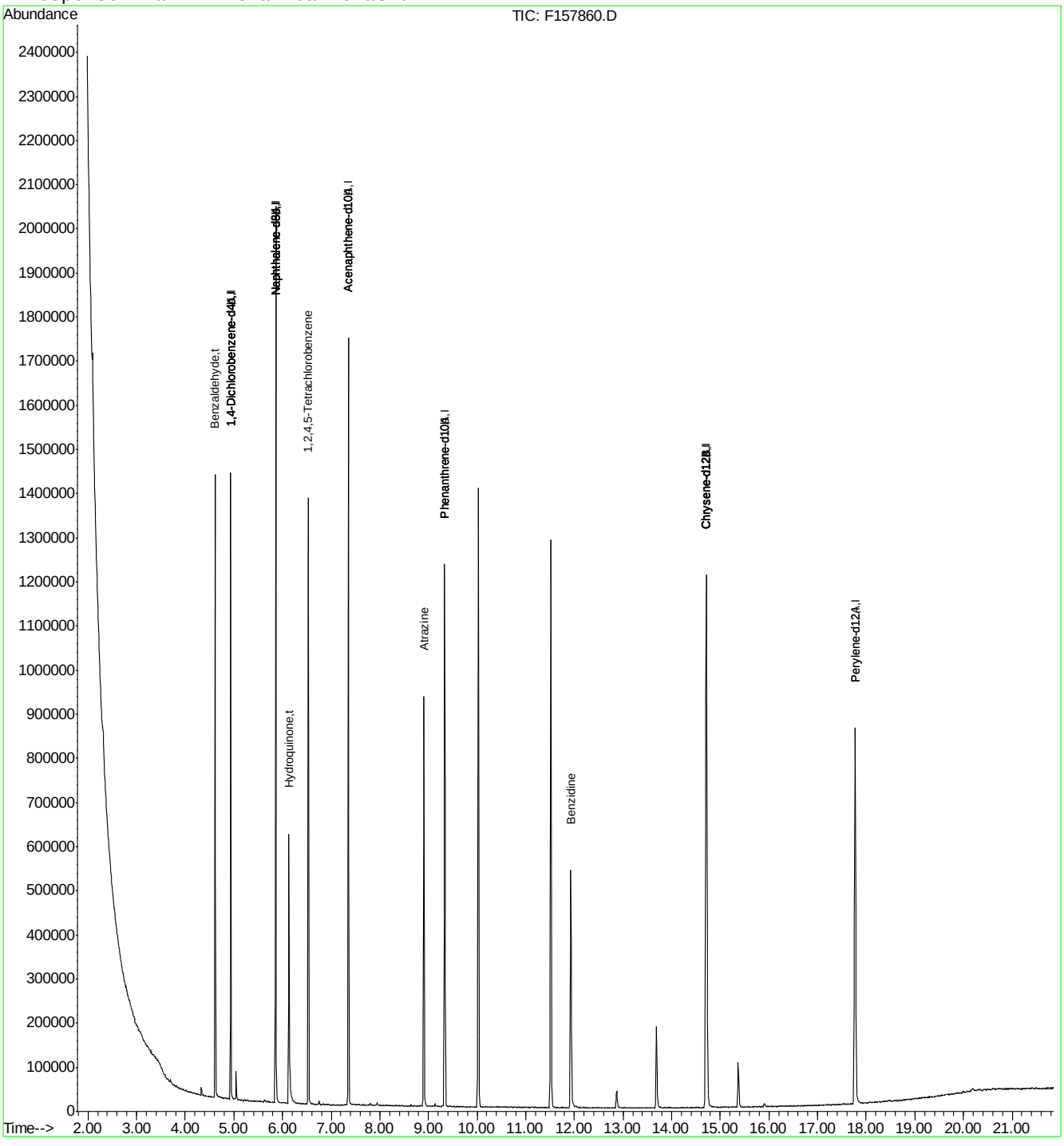
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157860.D MF6644.M Fri Jun 10 12:37:09 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157860.D Vial: 4
Acq On : 9 Jun 2016 4:01 pm Operator: brittanp
Sample : icc6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:36 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



F157860.D MF6644.M Fri Jun 10 12:37:10 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157861.D Vial: 5
Acq On : 9 Jun 2016 4:31 pm Operator: brittanp
Sample : ic6645-25 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:37:14 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	178387	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	728159	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	413014	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	621653	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	512277	40.00	ppm	0.00
92) Perylene-d12	17.77	264	453547	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	178387	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	728159	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	413014	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	621653	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	512277	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	453547	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	178387	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	728159	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	413014	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	621653	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	512277	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	178387	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	728159	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	512277	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	728159	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	512277	40.00	ppm	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

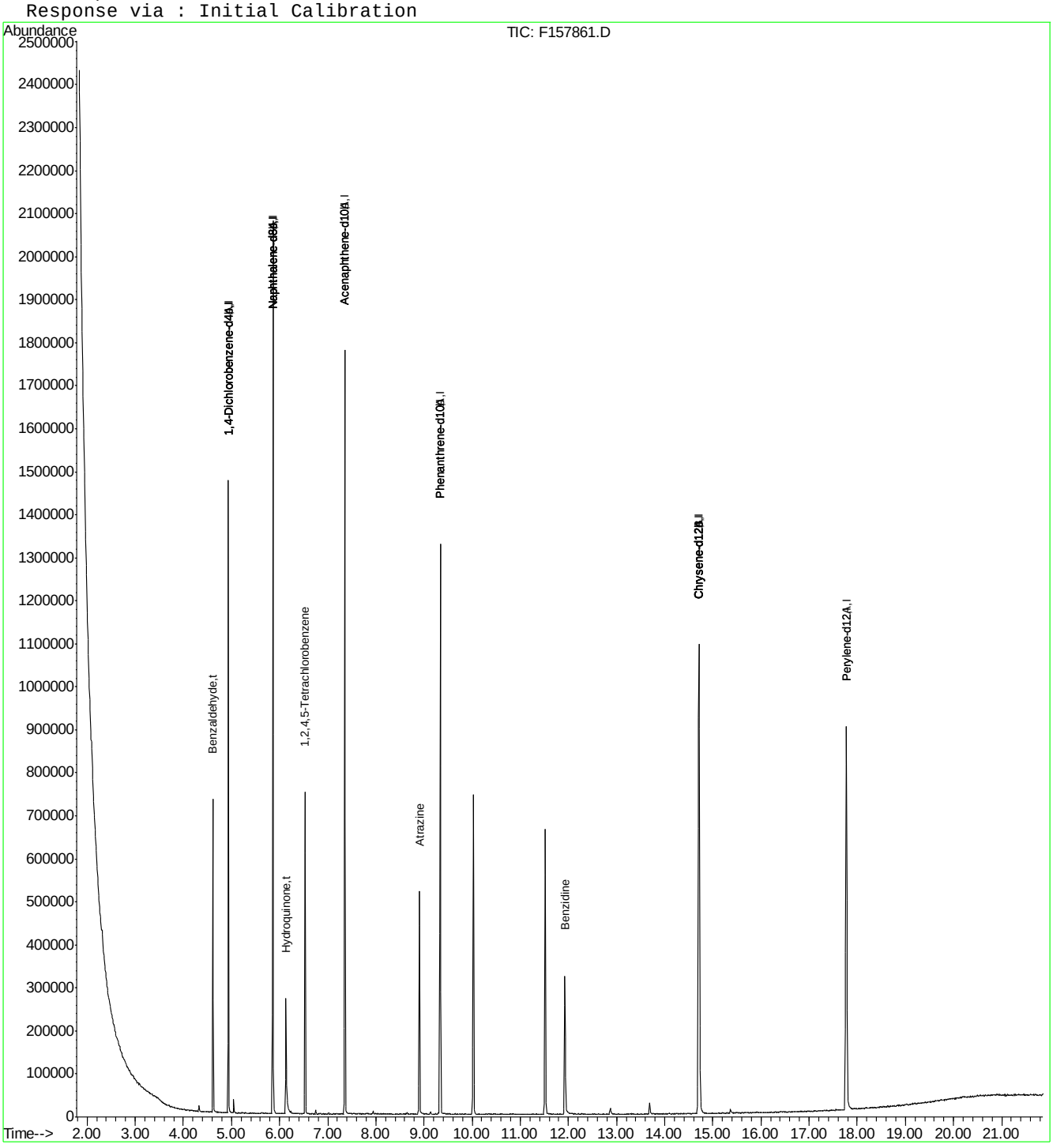
Target Compounds						Qvalue
160) Benzaldehyde	4.62	105	129019	31.22	ppm	96
162) Hydroquinone	6.13	110	147131	22.48	ppm	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	104878	26.17	ppm	99
166) Atrazine	8.91	200	64781	24.27	ppm	99
168) Benzidine	11.92	184	177210	37.72	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157861.D MF6644.M Fri Jun 10 12:37:55 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157861.D Vial: 5
Acq On : 9 Jun 2016 4:31 pm Operator: brittanp
Sample : ic6645-25 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:37 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



F157861.D MF6644.M Fri Jun 10 12:37:56 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157862.D Vial: 6
Acq On : 9 Jun 2016 5:00 pm Operator: brittanp
Sample : ic6645-10 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:38:01 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	177796	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	721485	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	406237	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	616924	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	505249	40.00	ppm	0.00
92) Perylene-d12	17.77	264	448753	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	177796	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	721485	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	406237	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	616924	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	505249	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	448753	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	177796	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	721485	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	406237	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	616924	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	505249	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	177796	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	721485	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	505249	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	721485	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	505249	40.00	ppm	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

Target Compounds						Qvalue
160) Benzaldehyde	4.62	105	53617	13.02	ppm	95
162) Hydroquinone	6.14	110	54376	8.38	ppm	97
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	45333	11.50	ppm	99
166) Atrazine	8.90	200	25033	9.45	ppm	94
168) Benzidine	11.92	184	67350	14.53	ppm	99

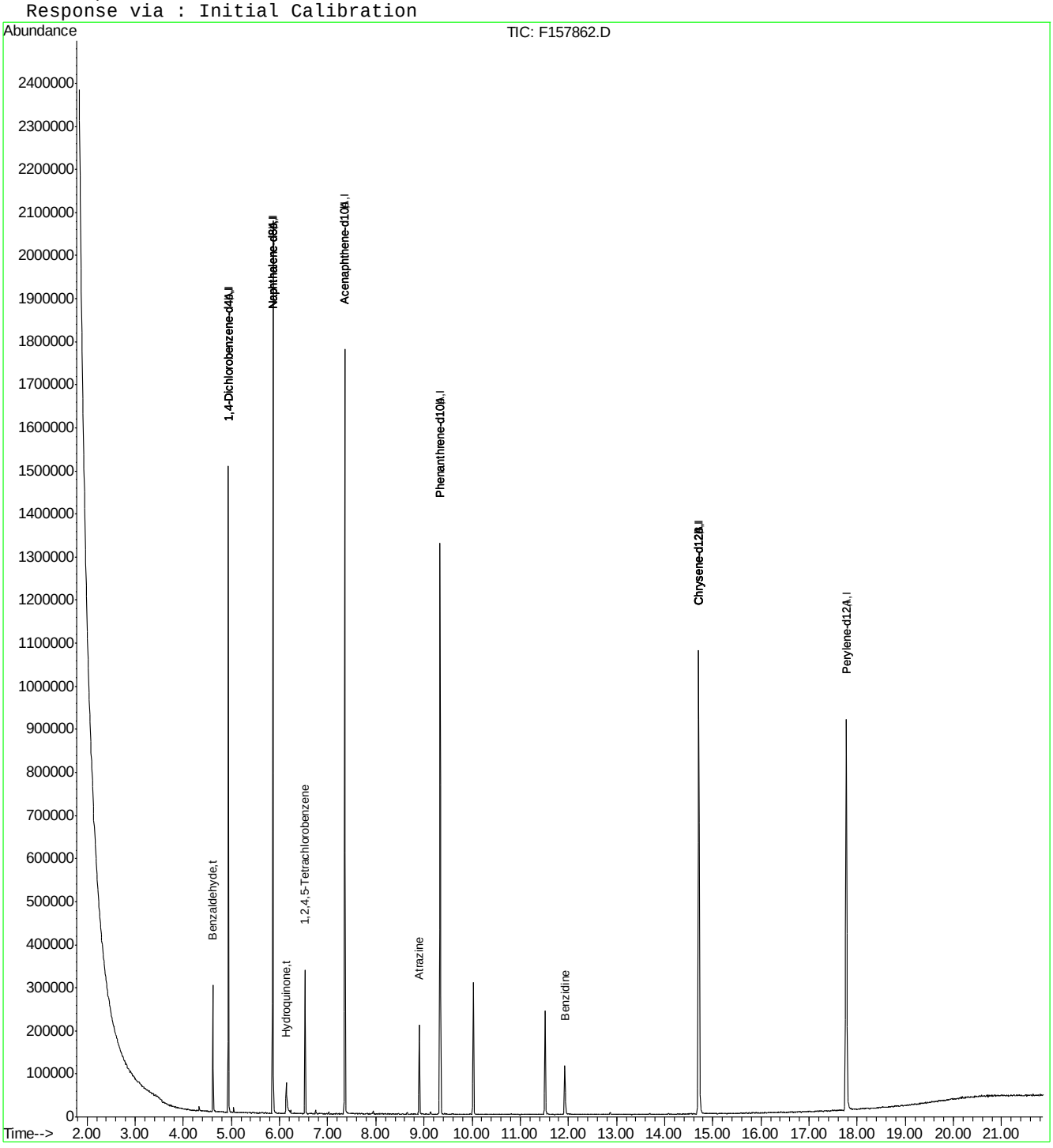
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157862.D MF6644.M Fri Jun 10 12:38:40 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157862.D Vial: 6
Acq On : 9 Jun 2016 5:00 pm Operator: brittanp
Sample : ic6645-10 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:38 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



F157862.D MF6644.M Fri Jun 10 12:38:40 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157863.D Vial: 7
Acq On : 9 Jun 2016 5:29 pm Operator: brittanp
Sample : ic6645-5 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:38:46 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	173059	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	709785	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	409155	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	623267	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	505263	40.00 ppm	0.00
92) Perylene-d12	17.77	264	446540	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	173059	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	709785	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	409155	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	623267	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	505263	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	446540	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	173059	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	709785	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	409155	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	623267	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	505263	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	173059	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	709785	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	505263	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	709785	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	505263	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

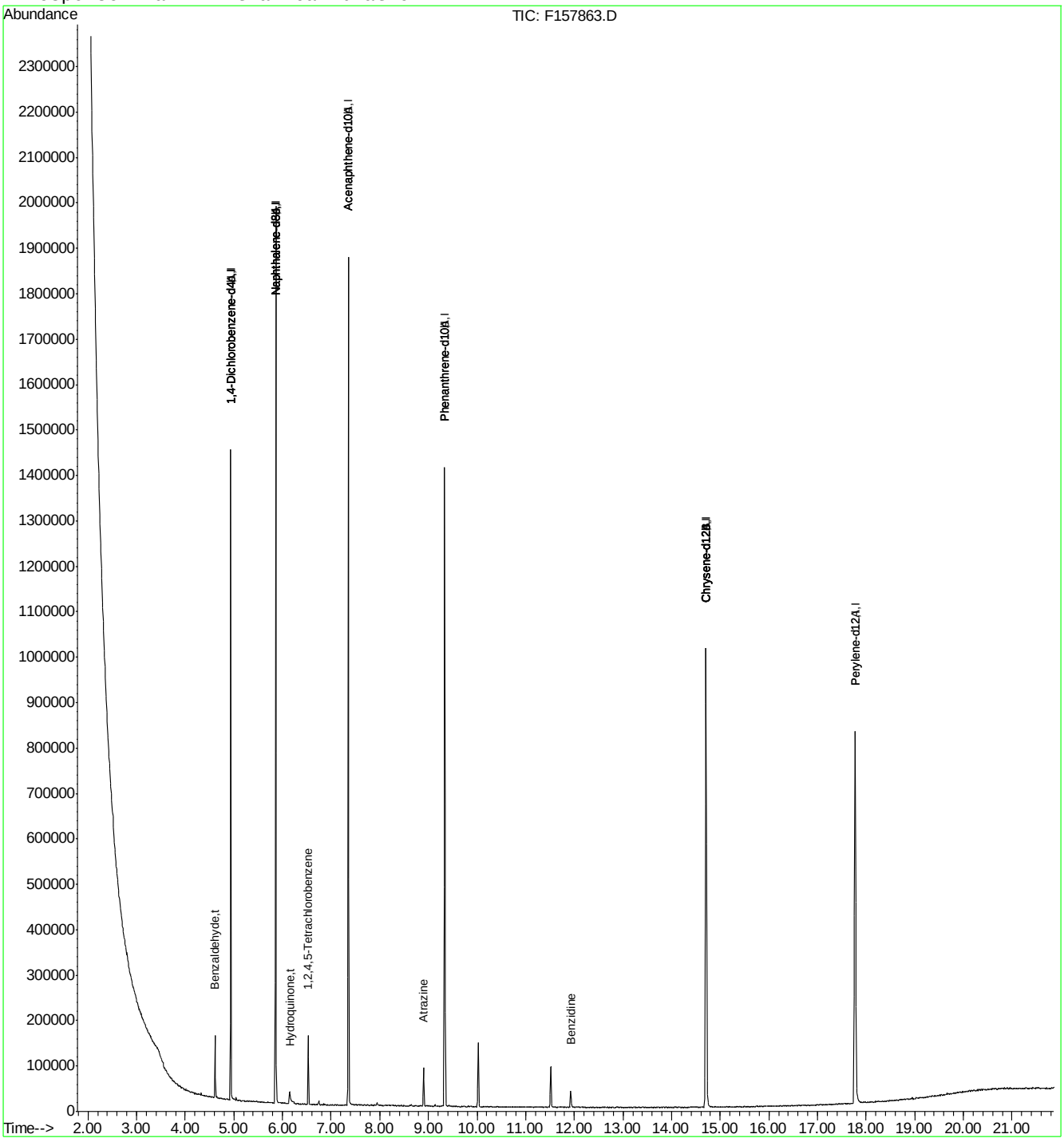
Target Compounds					Qvalue
160) Benzaldehyde	4.62	105	23606	5.89 ppm	97
162) Hydroquinone	6.15	110	23059	3.61 ppm	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	20471	5.16 ppm	98
166) Atrazine	8.90	200	10123	3.78 ppm	98
168) Benzidine	11.92	184	22917	4.95 ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157863.D MF6644.M Fri Jun 10 12:39:26 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157863.D Vial: 7
Acq On : 9 Jun 2016 5:29 pm Operator: brittanp
Sample : ic6645-5 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:39 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157864.D Vial: 8
Acq On : 9 Jun 2016 5:58 pm Operator: brittanp
Sample : ic6645-2 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:39:31 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	164177	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	667104	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	372777	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	578482	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	479922	40.00	ppm	0.00
92) Perylene-d12	17.77	264	432050	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	164177	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	667104	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	372777	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	578482	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	479922	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	432050	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	164177	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	667104	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	372777	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	578482	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	479922	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	164177	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	667104	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	479922	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	667104	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	479922	40.00	ppm	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

Target Compounds						Qvalue
160) Benzaldehyde	4.62	105	9977	2.62	ppm	97
162) Hydroquinone	6.16	110	9199	1.53	ppm	96
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	9313	2.57	ppm	96
166) Atrazine	8.90	200	3972	1.60	ppm	96
168) Benzidine	11.92	184	2384	0.54	ppm	93

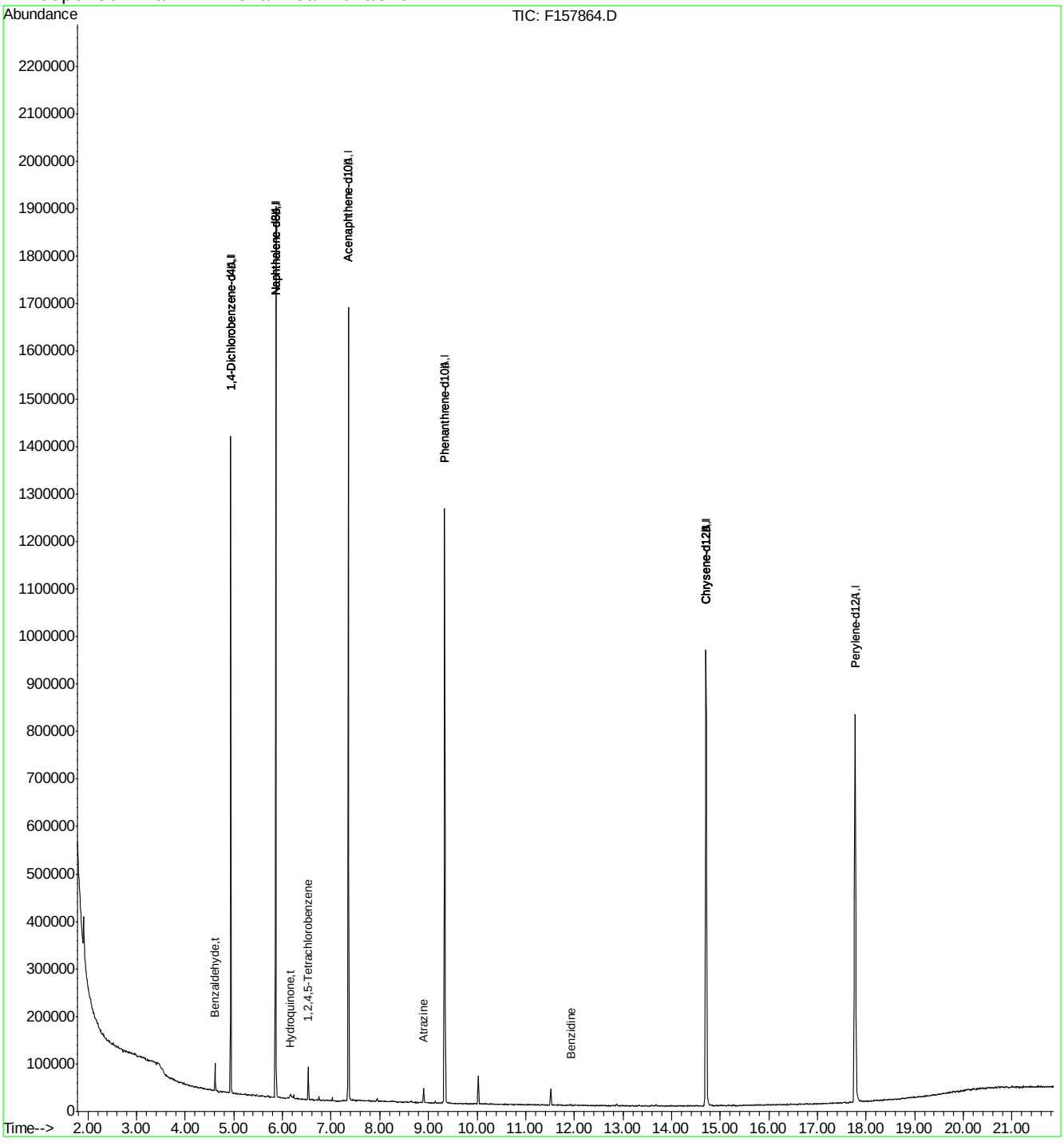
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157864.D MF6644.M Fri Jun 10 12:40:09 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157864.D Vial: 8
Acq On : 9 Jun 2016 5:58 pm Operator: brittanp
Sample : ic6645-2 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:39 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



F157864.D MF6644.M Fri Jun 10 12:40:11 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157865.D Vial: 9
Acq On : 9 Jun 2016 6:27 pm Operator: brittanp
Sample : ic6645-1 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:40:14 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	168839	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	693991	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	407219	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	616794	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	506513	40.00 ppm	0.00
92) Perylene-d12	17.77	264	448576	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	168839	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	693991	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	407219	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	616794	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	506513	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	448576	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	168839	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	693991	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	407219	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	616794	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	506513	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	168839	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	693991	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	506513	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	693991	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	506513	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

Target Compounds					Qvalue
160) Benzaldehyde	4.62	105	4336	1.11 ppm	91
162) Hydroquinone	6.17	110	3485	0.56 ppm	97
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	4184	1.06 ppm	98
166) Atrazine	8.90	200	1370	0.52 ppm	95
168) Benzidine	11.92	184	2194	0.47 ppm	91

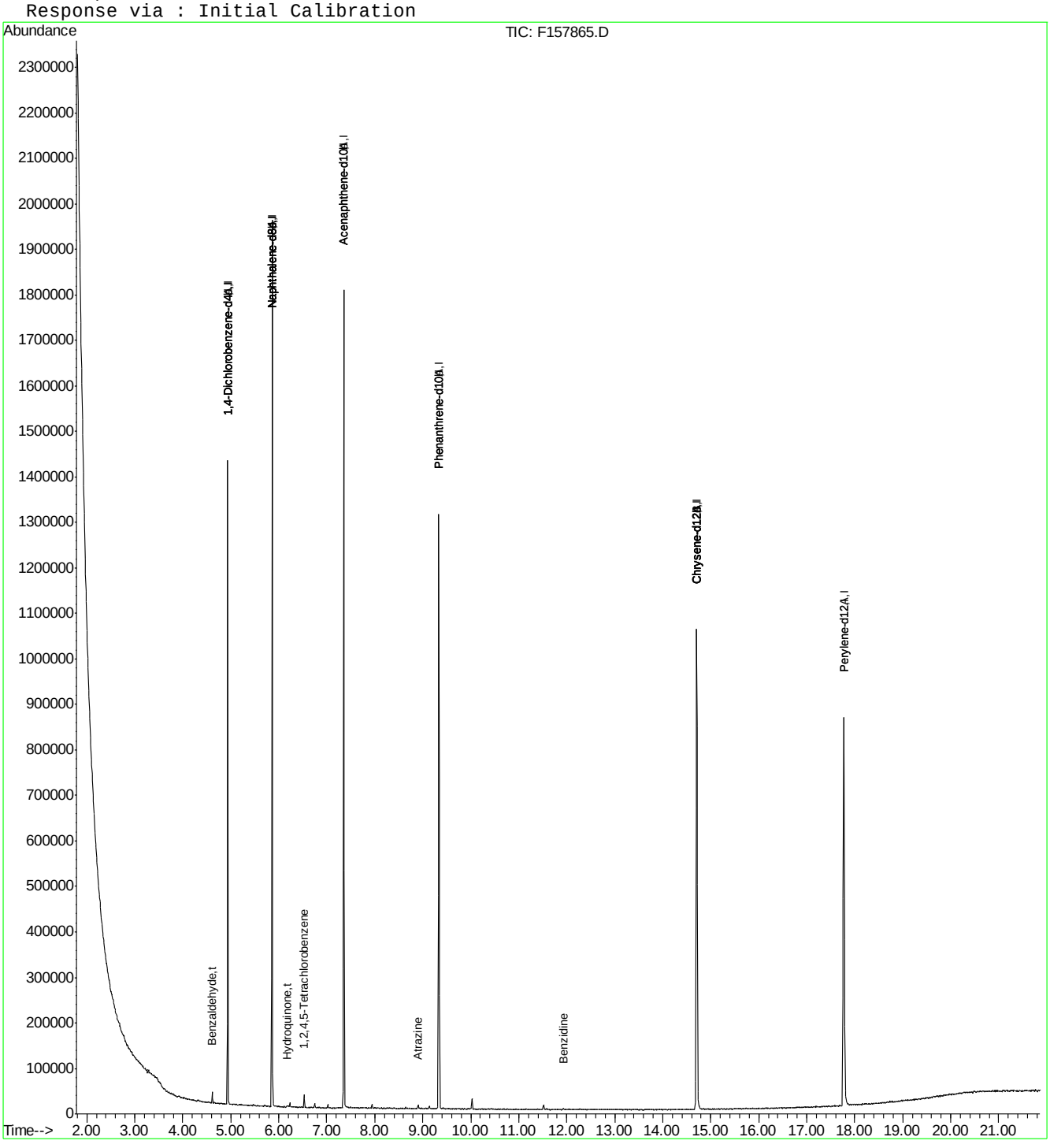
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157865.D MF6644.M Fri Jun 10 12:40:58 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157865.D Vial: 9
Acq On : 9 Jun 2016 6:27 pm Operator: brittanp
Sample : ic6645-1 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:40 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:34:27 2016
Response via : Initial Calibration



F157865.D MF6644.M Fri Jun 10 12:40:58 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157867.D Vial: 11
Acq On : 9 Jun 2016 7:25 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:54:27 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	167715	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	715808	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	418996	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	640964	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	504045	40.00	ppm	0.00
92) Perylene-d12	17.77	264	360346	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	167715	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	715808	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	418996	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	640964	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	504045	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	360346	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	167715	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	715808	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	418996	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	640964	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	504045	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	167715	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	715808	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	504045	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	715808	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	504045	40.00	ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

Target Compounds

						Qvalue
3) Pyridine	2.93	79	389600	51.58	ppm	98
10) Aniline	4.70	93	566238	51.26	ppm	69
16) Benzyl alcohol	5.04	108	231721	53.02	ppm	96
39) 4-Chloroaniline	5.91	127	407786	48.31	ppm	98
44) 2-Methylnaphthalene	6.40	141	510359	46.42	ppm	98
54) 2-Nitroaniline	6.90	65	165727	48.28	ppm	97
58) 3-Nitroaniline	7.30	138	166152	48.98	ppm	99
62) Dibenzofuran	7.58	168	780369	45.86	ppm	98
68) 4-Nitroaniline	8.00	138	167011	47.45	ppm	95
79) Carbazole	9.74	167	854497	48.08	ppm	99

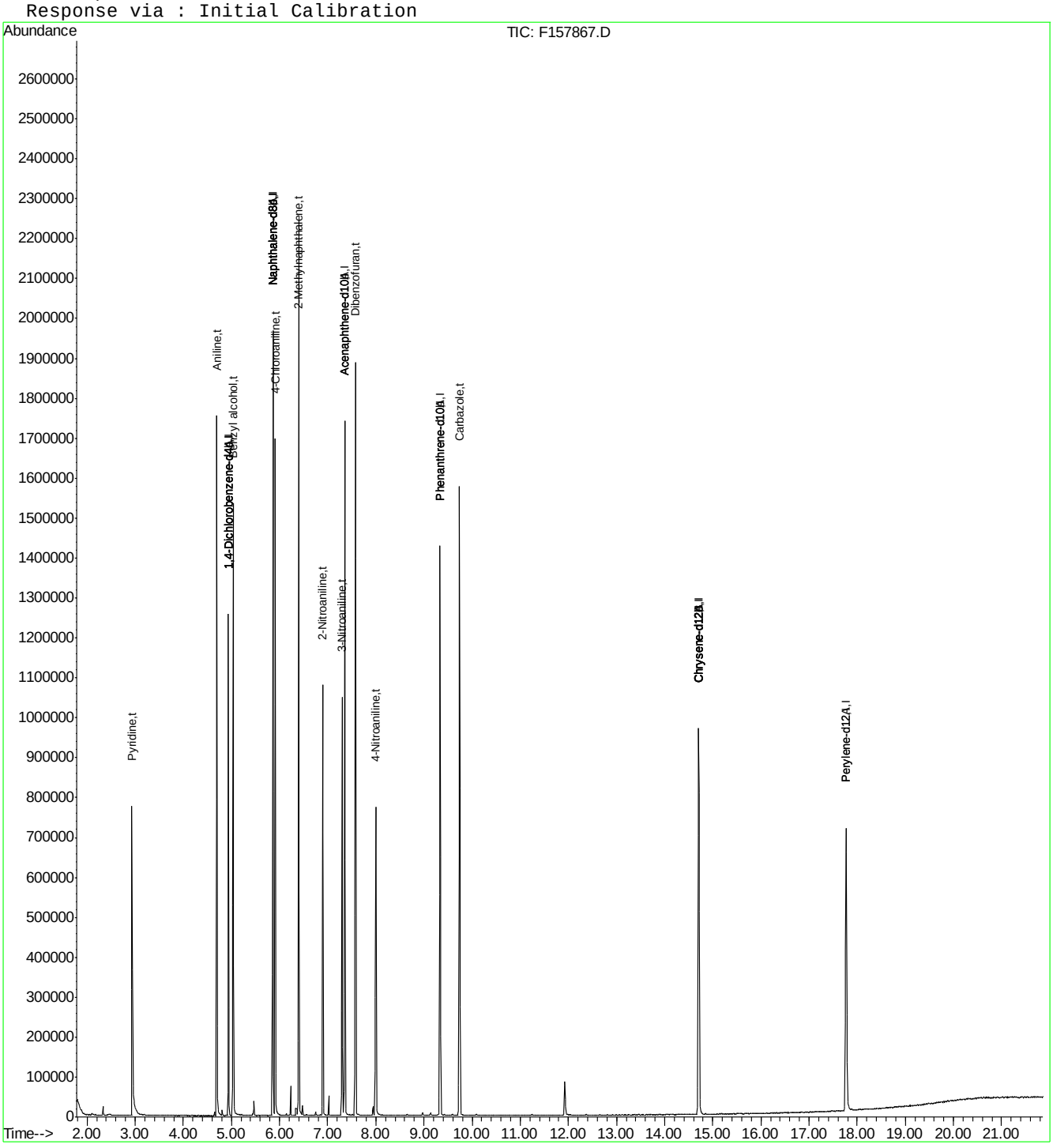
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157867.D Vial: 11
Acq On : 9 Jun 2016 7:25 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:58 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



F157867.D MF6644.M Fri Jun 10 12:58:35 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157868.D Vial: 12
Acq On : 9 Jun 2016 7:55 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:58:44 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	186883	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	834152	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	410268	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	600436	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	459540	40.00	ppm	0.00
92) Perylene-d12	17.77	264	390484	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	186883	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	834152	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	410268	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	600436	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	459540	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	390484	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	186883	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	834152	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	410268	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	600436	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	459540	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	186883	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	834152	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	459540	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	834152	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	459540	40.00	ppm	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	156657	45.66	ppm	99
6) Indene	5.12	116	612893	46.87	ppm	98
7) Cumene	4.35	105	801516	45.02	ppm	98
13) Decane	4.81	43	259374	44.86	ppm	98
18) Acetophenone	5.23	105	471097	44.94	ppm	99
27) Quinoline	6.12	129	646048	39.37	ppm	98
40) 2,3-Dichloroaniline	6.63	161	270951	36.64	ppm	99
41) Caprolactam	6.16	55	105504	39.40	ppm	99
45) 1-Methylnaphthalene	6.48	141	526866	38.93	ppm	99
46) Dimethylnaphthalene	6.93	156	521336	39.35	ppm	100
53) Biphenyl	6.79	154	707948	44.84	ppm	99
82) Octadecane	9.21	57	348384	51.75	ppm	100

(#) = qualifier out of range (m) = manual integration
F157868.D MF6644.M Fri Jun 10 13:19:11 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157868.D Vial: 12
Acq On : 9 Jun 2016 7:55 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:58:44 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
100) 7,12-Dimethylbenz(a)anthra	17.03	256	270180	51.07 ppm	99

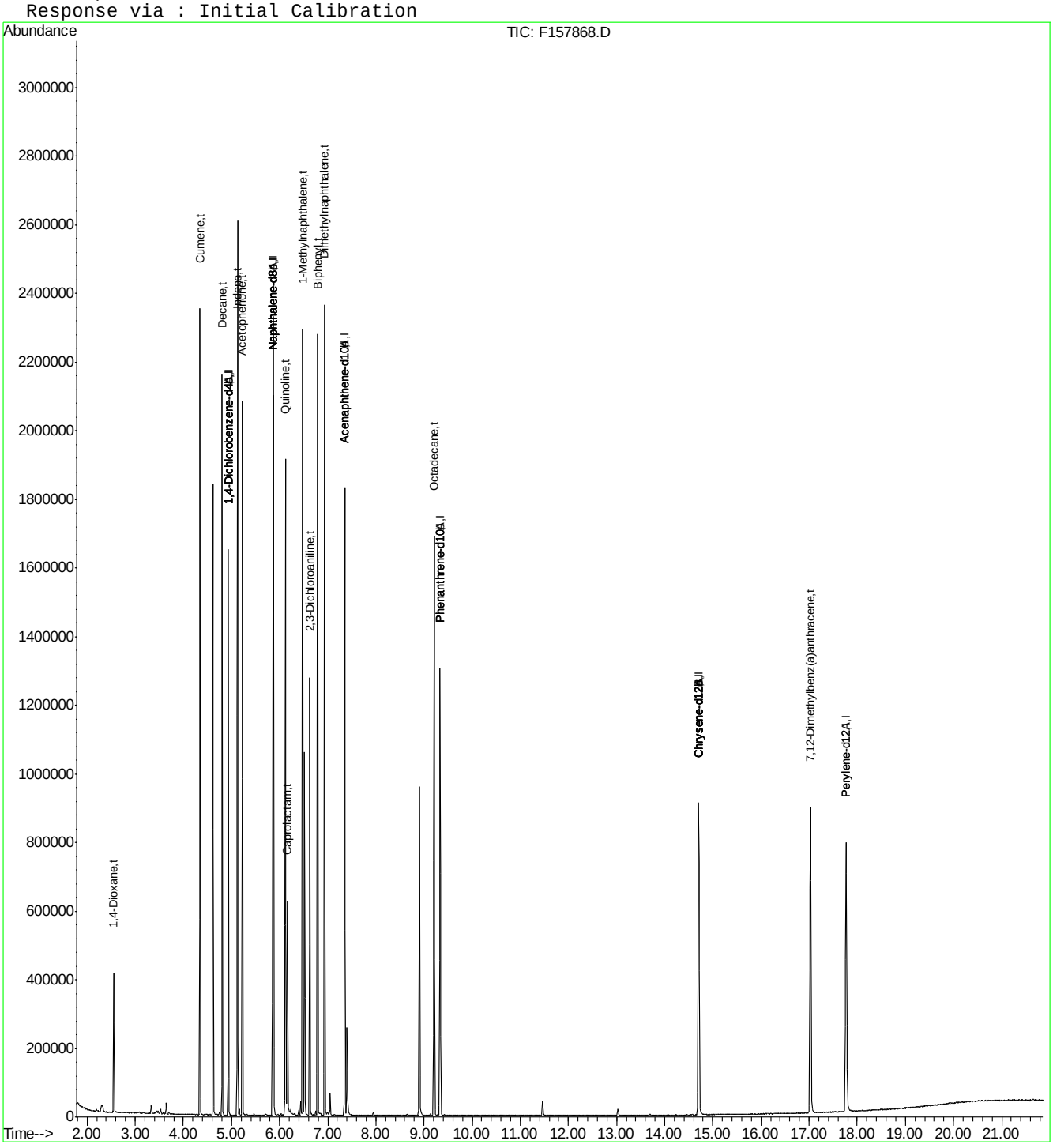
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157868.D MF6644.M Fri Jun 10 13:19:11 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157868.D Vial: 12
Acq On : 9 Jun 2016 7:55 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:19 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157868A.D Vial: 12
Acq On : 9 Jun 2016 7:55 pm Operator: brittanp
Sample : icv6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 12:58:44 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	186883	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	834152	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	410268	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	600436	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	459540	40.00 ppm	0.00
92) Perylene-d12	17.77	264	390484	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	186883	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	834152	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	410268	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	600436	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	459540	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	390484	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	186883	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	834152	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	410268	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	600436	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	459540	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	186883	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	834152	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	459540	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	834152	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	459540	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0d	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

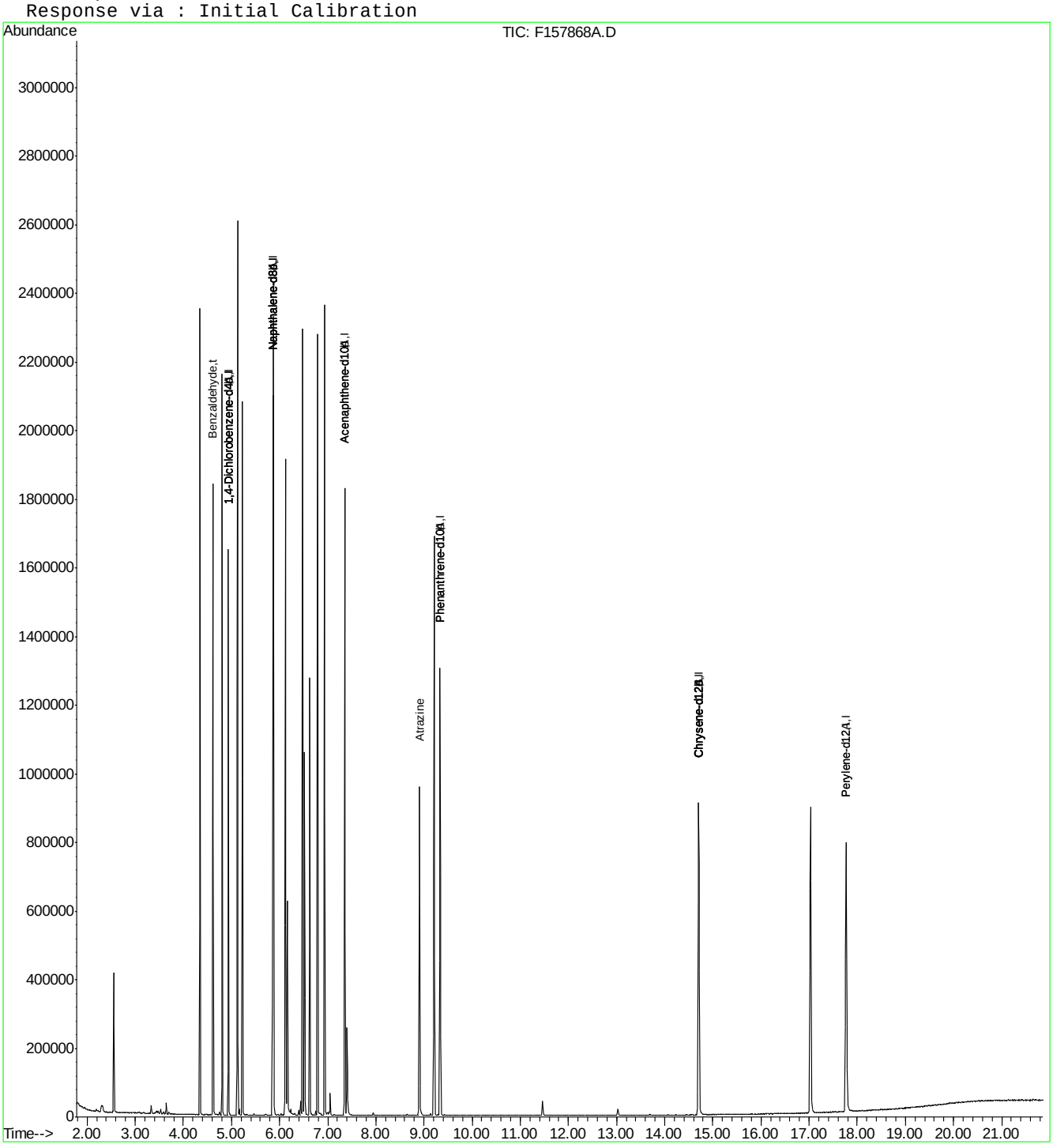
Target Compounds					Qvalue
160) Benzaldehyde	4.62	105	286349	55.87 ppm	98
166) Atrazine	8.91	200	133858	59.35 ppm	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157868A.D Vial: 12
Acq On : 9 Jun 2016 7:55 pm Operator: brittanp
Sample : icv6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:19 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:04:13 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	185837	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	738562	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	410640	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	596463	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	468547	40.00	ppm	0.00
92) Perylene-d12	17.77	264	407224	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	185837	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	738562	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	410640	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	596463	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	468547	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	407224	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	185837	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	738562	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	410640	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	596463	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	468547	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	185837	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	738562	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	468547	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	738562	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	468547	40.00	ppm	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

Target Compounds

							Qvalue
4) N-Nitrosodimethylamine	2.83	42	107495	51.12	ppm		100
11) bis(2-Chloroethyl)ether	4.74	93	359967	48.31	ppm		98
14) 1,3-Dichlorobenzene	4.89	146	367260	45.34	ppm		99
15) 1,4-Dichlorobenzene	4.95	146	375021	45.52	ppm		100
17) 1,2-Dichlorobenzene	5.06	146	354185	45.87	ppm		99
20) 2,2'-oxybis(1-Chloropropan	5.13	121	105011	42.57	ppm	#	85
22) n-Nitroso-di-n-propylamine	5.23	70	250153	45.51	ppm		95
23) Hexachloroethane	5.31	201	106473	48.16	ppm		93
26) Nitrobenzene	5.35	77	365146	45.07	ppm		96
28) Isophorone	5.52	82	677431	49.78	ppm		99
32) bis(2-Chloroethoxy)methane	5.67	93	396598	46.17	ppm		100
36) 1,2,4-Trichlorobenzene	5.82	180	264664	46.35	ppm		98

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:04:13 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

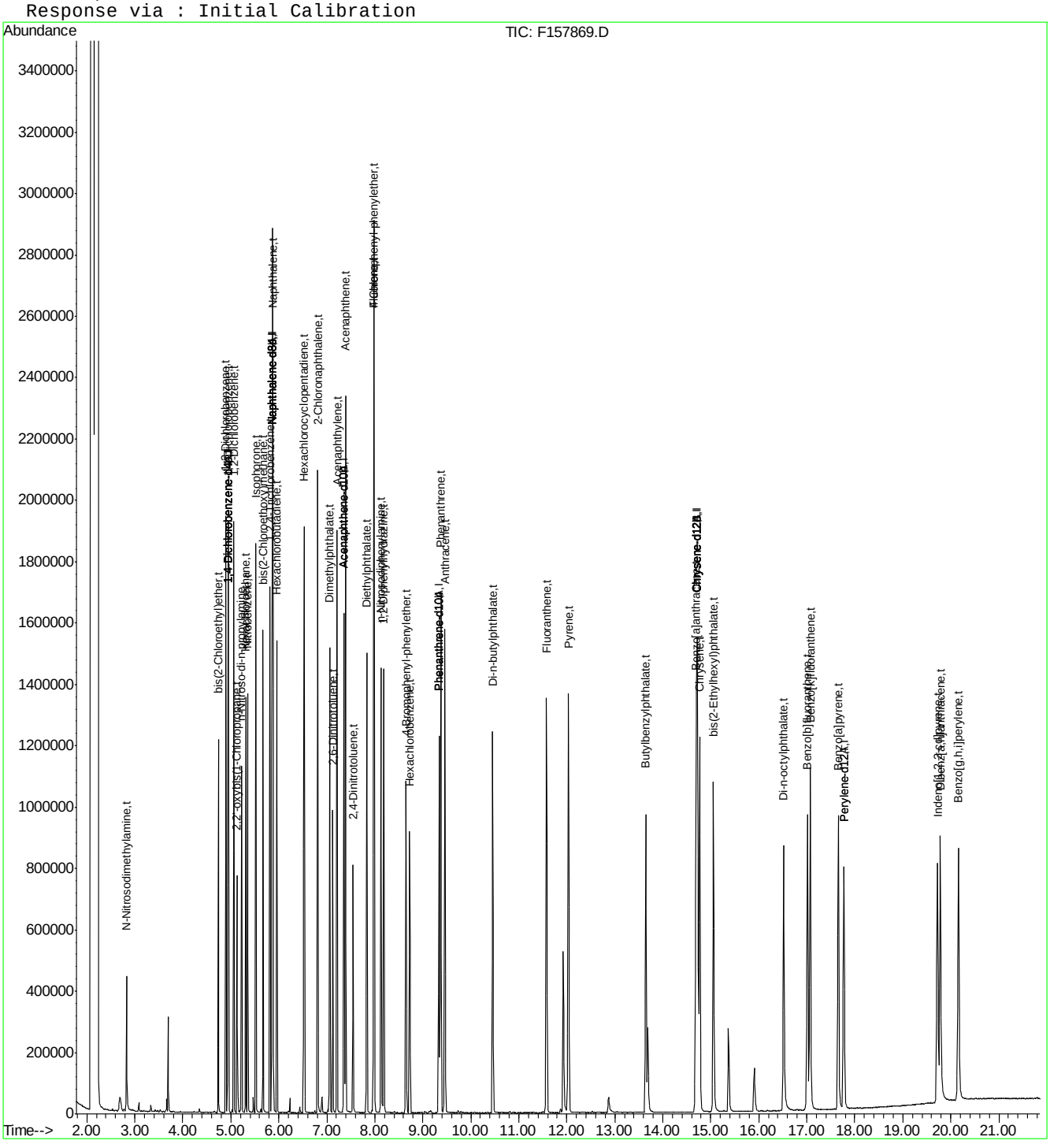
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38)	Naphthalene	5.88	128	995311	46.43	ppm	99
42)	Hexachlorobutadiene	5.96	225	122192	47.81	ppm	99
48)	Hexachlorocyclopentadiene	6.52	237	109067	43.14	ppm	99
52)	2-Chloronaphthalene	6.81	162	546773	45.60	ppm	99
55)	Dimethylphthalate	7.06	163	589398	45.04	ppm	99
56)	Acenaphthylene	7.21	152	872992	45.40	ppm	100
57)	2,6-Dinitrotoluene	7.13	165	117330	45.30	ppm	99
59)	Acenaphthene	7.39	153	570998	46.21	ppm	98
63)	2,4-Dinitrotoluene	7.55	165	146661	41.58	ppm	98
65)	Diethylphthalate	7.83	149	568966	45.42	ppm	99
66)	Fluorene	7.99	166	581556	44.79	ppm	100
67)	4-Chlorophenyl-phenylether	7.98	204	241279	44.84	ppm	100
71)	n-Nitrosodiphenylamine	8.13	169	404758	49.18	ppm	98
72)	1,2-Diphenylhydrazine	8.18	77	717814	49.31	ppm	96
74)	4-Bromophenyl-phenylether	8.65	248	130877	49.44	ppm	99
75)	Hexachlorobenzene	8.73	284	126997	45.31	ppm	97
77)	Phenanthrene	9.38	178	824299	45.22	ppm	99
78)	Anthracene	9.46	178	818776	46.35	ppm	99
80)	Di-n-butylphthalate	10.46	149	931330	50.64	ppm	100
81)	Fluoranthene	11.58	202	757599	46.80	ppm	98
84)	Pyrene	12.04	202	818944	49.58	ppm	98
86)	Butylbenzylphthalate	13.65	149	362237	49.90	ppm	98
88)	Benzo[a]anthracene	14.69	228	637059	46.68	ppm	100
90)	Chrysene	14.77	228	651303	44.54	ppm	100
91)	bis(2-Ethylhexyl)phthalate	15.06	149	506235	44.69	ppm	99
93)	Di-n-octylphthalate	16.51	149	791629	45.35	ppm	99
94)	Benzo[b]fluoranthene	17.02	252	591300	47.31	ppm	100
95)	Benzo[k]fluoranthene	17.07	252	643725	51.03	ppm	99
96)	Benzo[a]pyrene	17.66	252	558527	52.07	ppm	99
97)	Indeno[1,2,3-cd]pyrene	19.72	276	475705	48.38	ppm	98
99)	Dibenz[a,h]anthracene	19.78	278	489799	48.48	ppm	99
101)	Benzo[g,h,i]perylene	20.16	276	537346	47.75	ppm	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:19 2016 Quant Results File: MF6644.RES

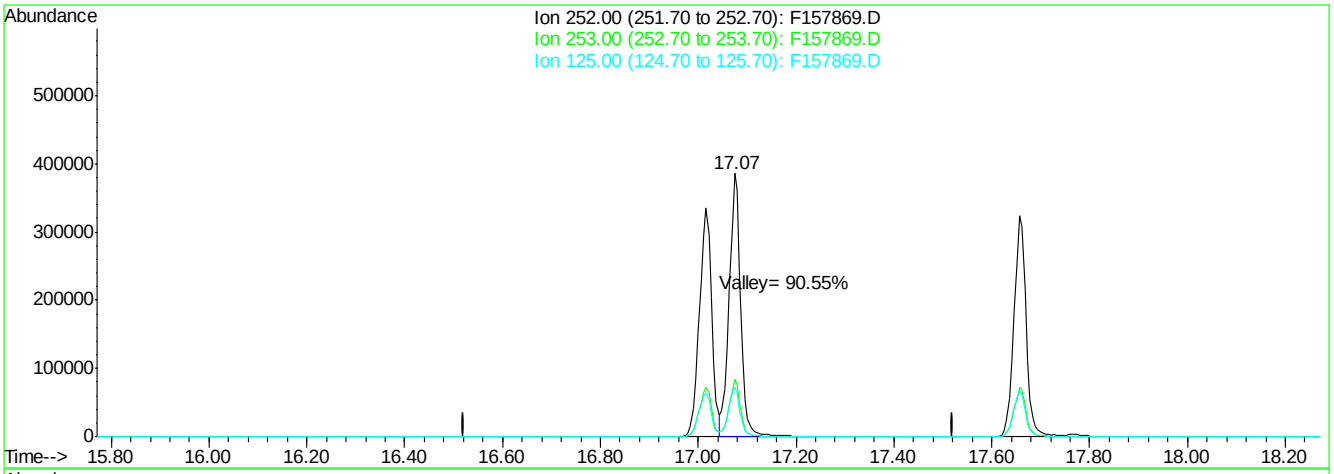
Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration

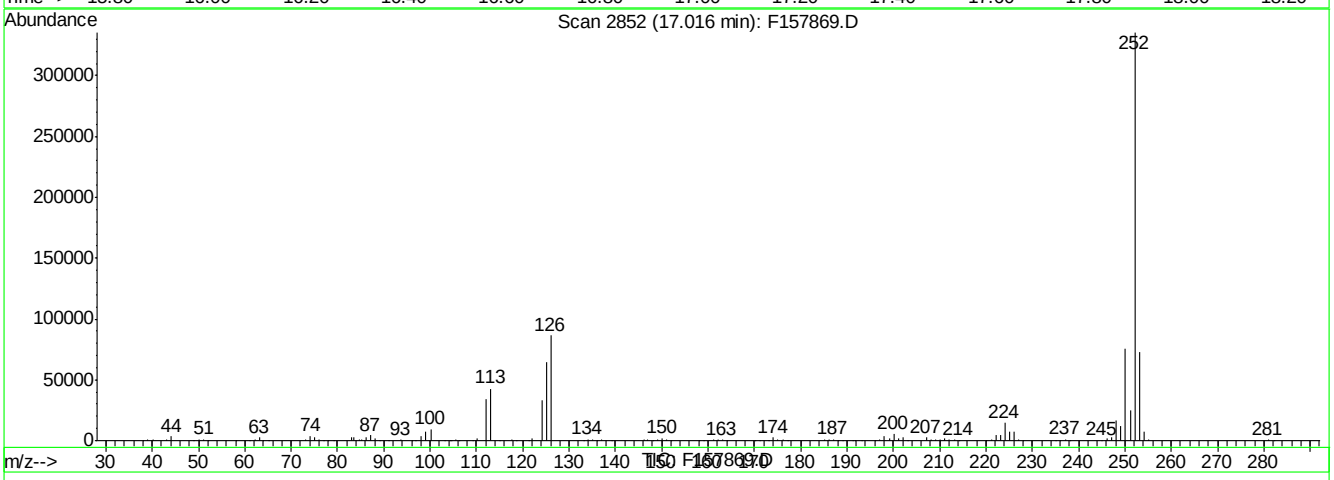


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:14 2016 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Multiple Level Calibration





(94) Benzo[b]fluoranthene (t)

17.02min 47.31ppm

response 591300

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.75
125.00	19.00	19.28
0.00	0.00	0.00

F157869.D MF6644.M Fri Jun 10 13:14:37 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869A.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:04:13 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	185837	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	738562	40.00	ppm	0.00
47) Acenaphthene-d10	7.36	164	410640	40.00	ppm	0.00
69) Phenanthrene-d10	9.34	188	596463	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	468547	40.00	ppm	0.00
92) Perylene-d12	17.77	264	407224	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	185837	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	738562	40.00	ppm	0.00
121) Acenaphthene-d10A	7.36	164	410640	40.00	ppm	0.00
132) Phenanthrene-d10A	9.34	188	596463	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	468547	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	407224	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	185837	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	738562	40.00	ppm	0.00
163) Acenaphthene-d10b	7.36	164	410640	40.00	ppm	0.00
165) Phenanthrene-d10b	9.34	188	596463	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	468547	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	185837	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	738562	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	468547	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	738562	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	468547	40.00	ppm	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

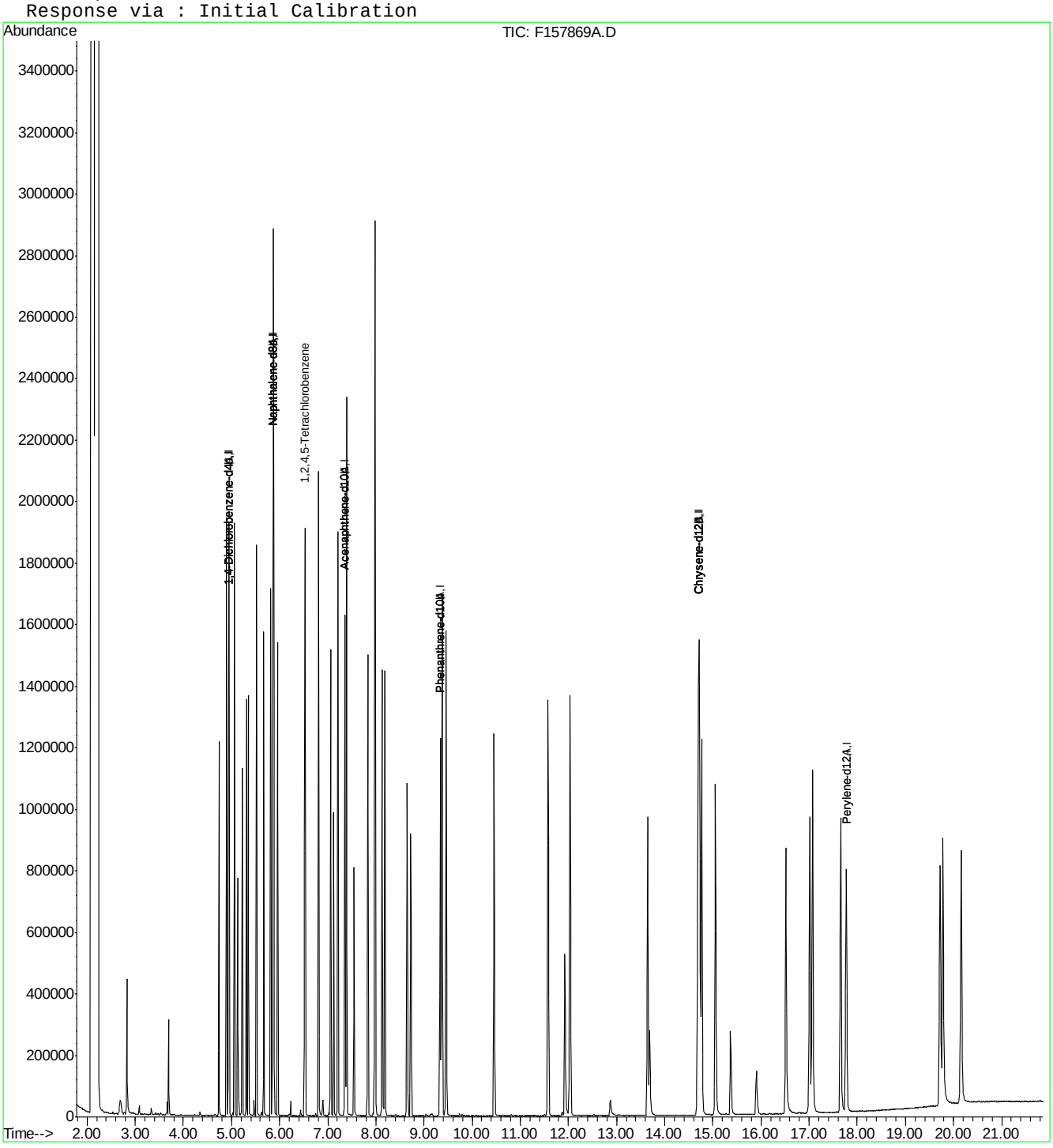
Target Compounds						Qvalue
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	242747	56.35	ppm	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157869A.D Vial: 13
Acq On : 9 Jun 2016 8:23 pm Operator: brittanp
Sample : icv6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:20 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157870.D Vial: 14
Acq On : 9 Jun 2016 8:52 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:15:37 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	196825	40.00	ppm	0.00
24) Naphthalene-d8	5.86	136	782228	40.00	ppm	0.00
47) Acenaphthene-d10	7.35	164	422408	40.00	ppm	0.00
69) Phenanthrene-d10	9.33	188	619801	40.00	ppm	0.00
83) Chrysene-d12	14.71	240	473005	40.00	ppm	0.00
92) Perylene-d12	17.77	264	403290	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	196825	40.00	ppm	0.00
112) Naphthalene-d8A	5.86	136	782228	40.00	ppm	0.00
121) Acenaphthene-d10A	7.35	164	422408	40.00	ppm	0.00
132) Phenanthrene-d10A	9.33	188	619801	40.00	ppm	0.00
147) Chrysene-d12A	14.71	240	473005	40.00	ppm	0.00
155) Perylene-d12A	17.77	264	403290	40.00	ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	196825	40.00	ppm	0.00
161) Naphthalene-d8b	5.86	136	782228	40.00	ppm	0.00
163) Acenaphthene-d10b	7.35	164	422408	40.00	ppm	0.00
165) Phenanthrene-d10b	9.33	188	619801	40.00	ppm	0.00
167) Chrysene-d12b	14.71	240	473005	40.00	ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	196825	40.00	ppm	0.00
171) Naphthalene-d8c	5.86	136	782228	40.00	ppm	0.00
176) Chrysene-d12c	14.71	240	473005	40.00	ppm	0.00
178) Naphthalene-d8d	5.86	136	782228	40.00	ppm	0.00
180) Chrysene-d12B	14.71	240	473005	40.00	ppm	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	380647	51.93	ppm	0.00
Spiked Amount 50.000			Recovery = 103.86%			
8) Phenol-d5	4.65	99	469093	49.44	ppm	0.00
Spiked Amount 50.000			Recovery = 98.88%			
25) Nitrobenzene-d5	5.34	82	388541	49.65	ppm	0.00
Spiked Amount 50.000			Recovery = 99.30%			
51) 2-Fluorobiphenyl	6.69	172	661514	49.77	ppm	0.00
Spiked Amount 50.000			Recovery = 99.54%			
73) 2,4,6-Tribromophenol	8.29	330	55896	49.91	ppm	0.00
Spiked Amount 50.000			Recovery = 99.82%			
85) Terphenyl-d14	12.46	244	511646	54.29	ppm	0.00
Spiked Amount 50.000			Recovery = 108.58%			

Target Compounds Qvalue

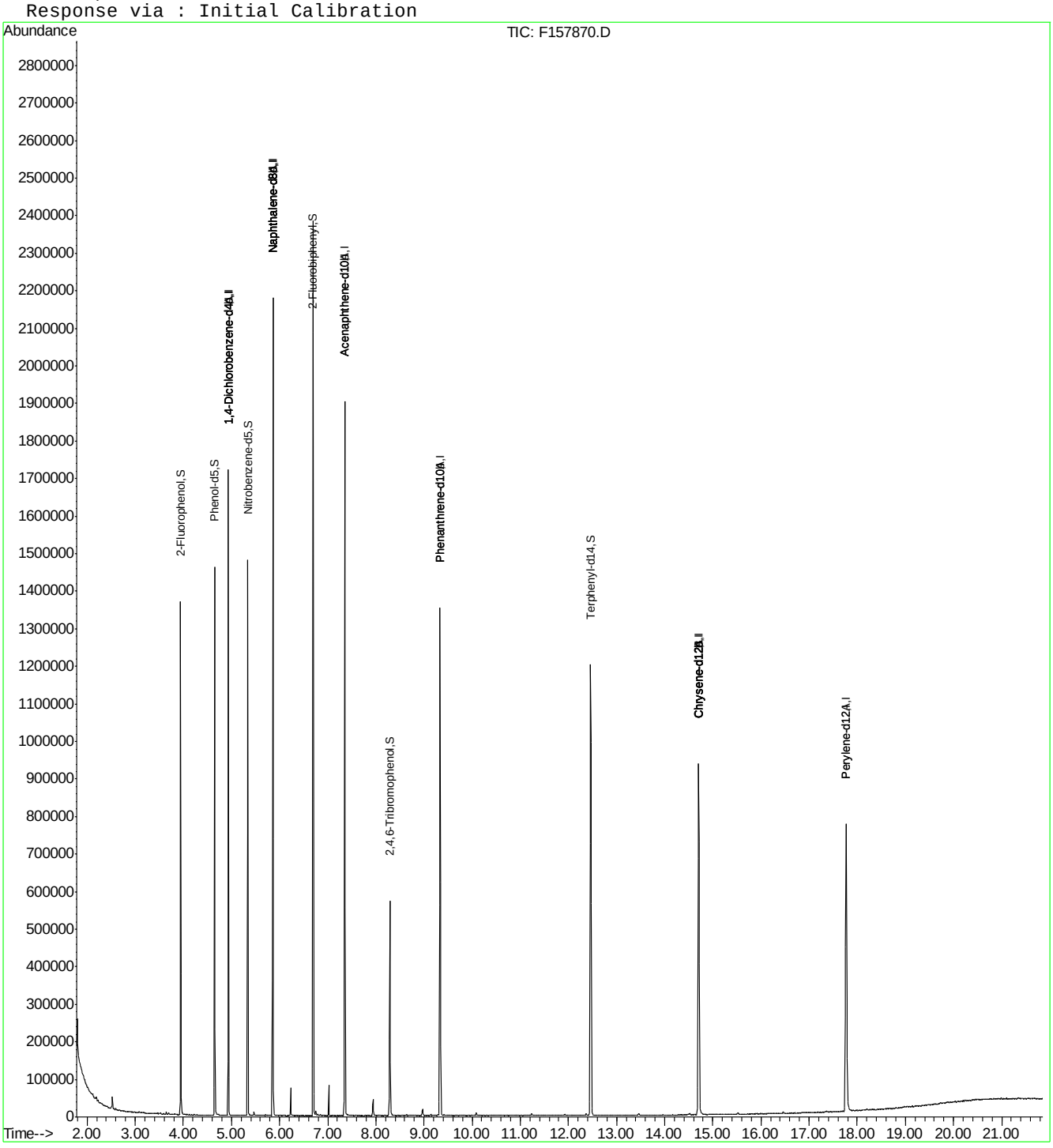
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157870.D MF6644.M Fri Jun 10 13:44:36 2016 RT1

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157870.D Vial: 14
Acq On : 9 Jun 2016 8:52 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:16 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



F157870.D MF6644.M Fri Jun 10 13:44:37 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157871A.D Vial: 15
Acq On : 9 Jun 2016 9:21 pm Operator: brittanp
Sample : icv6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:16:49 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	157083	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	639455	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	365752	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	560935	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	476769	40.00 ppm	0.00
92) Perylene-d12	17.77	264	424408	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	157083	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	639455	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	365752	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	560935	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	476769	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	424408	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	157083	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	639455	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	365752	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	560935	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	476769	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	157083	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	639455	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	476769	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	639455	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	476769	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

Target Compounds					Qvalue
168) Benzidine	11.93	184	450930	83.46 ppm	99

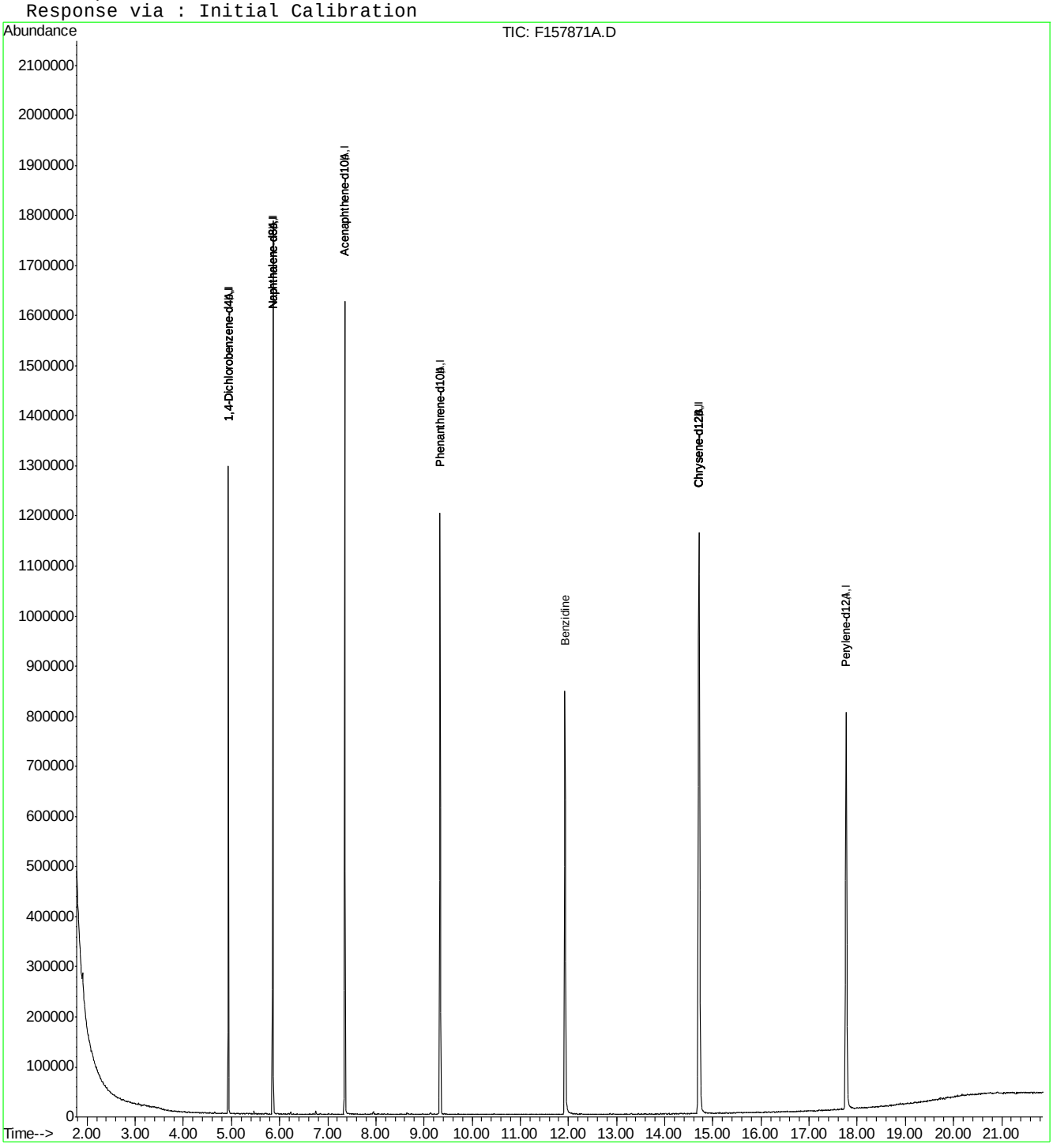
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157871A.D Vial: 15
Acq On : 9 Jun 2016 9:21 pm Operator: brittanp
Sample : icv6645-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:20 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



F157871A.D MF6644.M Fri Jun 10 13:20:58 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157871.D Vial: 15
Acq On : 9 Jun 2016 9:21 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:16:49 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	157083	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	639455	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	365752	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	560935	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	476769	40.00 ppm	0.00
92) Perylene-d12	17.77	264	424408	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	157083	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	639455	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	365752	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	560935	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	476769	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	424408	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	157083	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	639455	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	365752	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	560935	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	476769	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	157083	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	639455	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	476769	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	639455	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	476769	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

Target Compounds					Qvalue
89) 3,3'-Dichlorobenzidine	14.72	252	218714	46.62 ppm	99

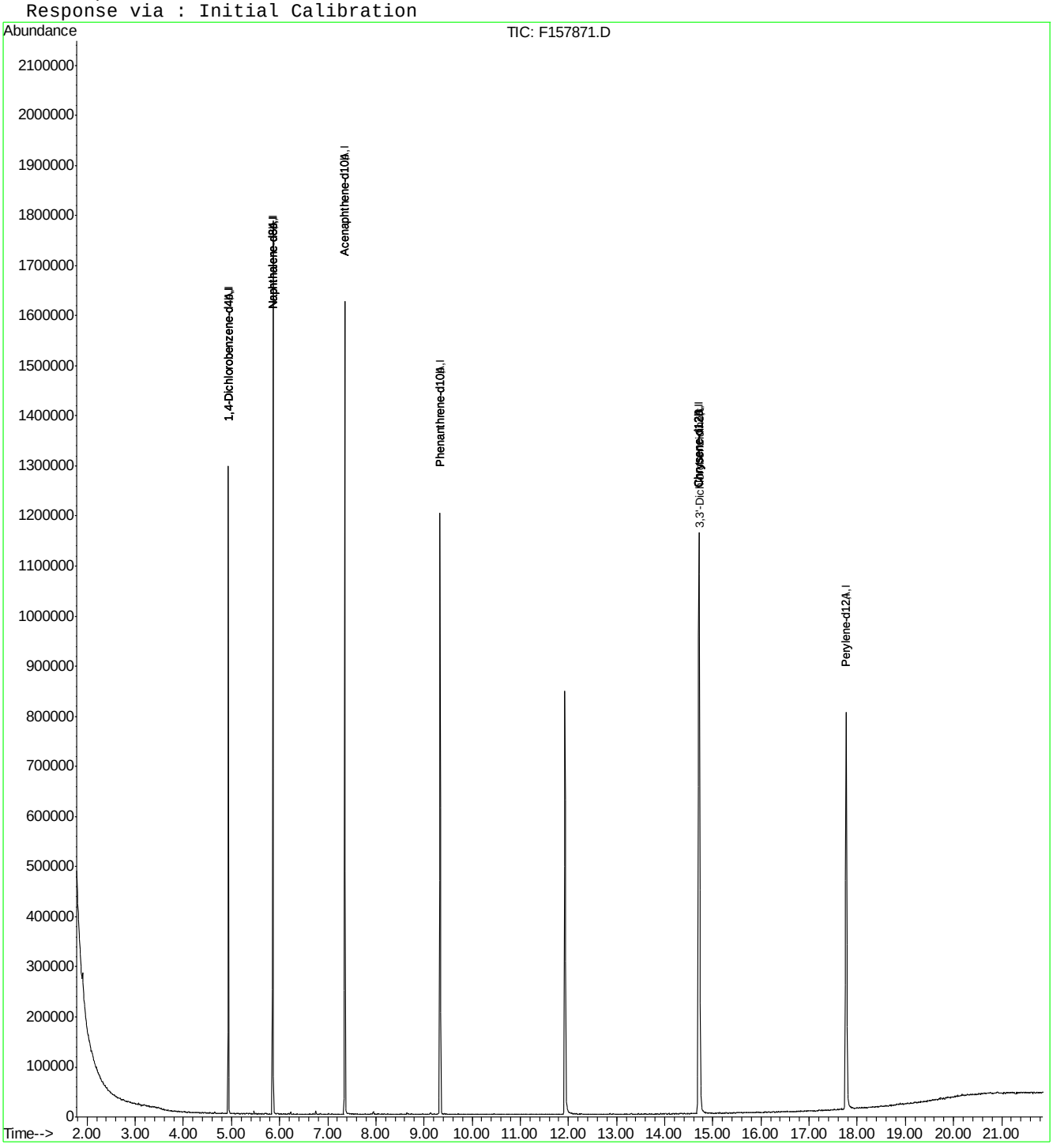
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157871.D Vial: 15
Acq On : 9 Jun 2016 9:21 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:20 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



F157871.D MF6644.M Fri Jun 10 13:20:42 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157872.D Vial: 16
Acq On : 9 Jun 2016 9:50 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:17:38 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	164364	40.00 ppm	0.00
24) Naphthalene-d8	5.86	136	652925	40.00 ppm	0.00
47) Acenaphthene-d10	7.35	164	365864	40.00 ppm	0.00
69) Phenanthrene-d10	9.33	188	555748	40.00 ppm	0.00
83) Chrysene-d12	14.71	240	460415	40.00 ppm	0.00
92) Perylene-d12	17.77	264	405239	40.00 ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.94	152	164364	40.00 ppm	0.00
112) Naphthalene-d8A	5.86	136	652925	40.00 ppm	0.00
121) Acenaphthene-d10A	7.35	164	365864	40.00 ppm	0.00
132) Phenanthrene-d10A	9.33	188	555748	40.00 ppm	0.00
147) Chrysene-d12A	14.71	240	460415	40.00 ppm	0.00
155) Perylene-d12A	17.77	264	405239	40.00 ppm	0.00
159) 1,4-Dichlorobenzene-d4b	4.94	152	164364	40.00 ppm	0.00
161) Naphthalene-d8b	5.86	136	652925	40.00 ppm	0.00
163) Acenaphthene-d10b	7.35	164	365864	40.00 ppm	0.00
165) Phenanthrene-d10b	9.33	188	555748	40.00 ppm	0.00
167) Chrysene-d12b	14.71	240	460415	40.00 ppm	0.00
169) 1,4-Dichlorobenzene-d4c	4.94	152	164364	40.00 ppm	0.00
171) Naphthalene-d8c	5.86	136	652925	40.00 ppm	0.00
176) Chrysene-d12c	14.71	240	460415	40.00 ppm	0.00
178) Naphthalene-d8d	5.86	136	652925	40.00 ppm	0.00
180) Chrysene-d12B	14.71	240	460415	40.00 ppm	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

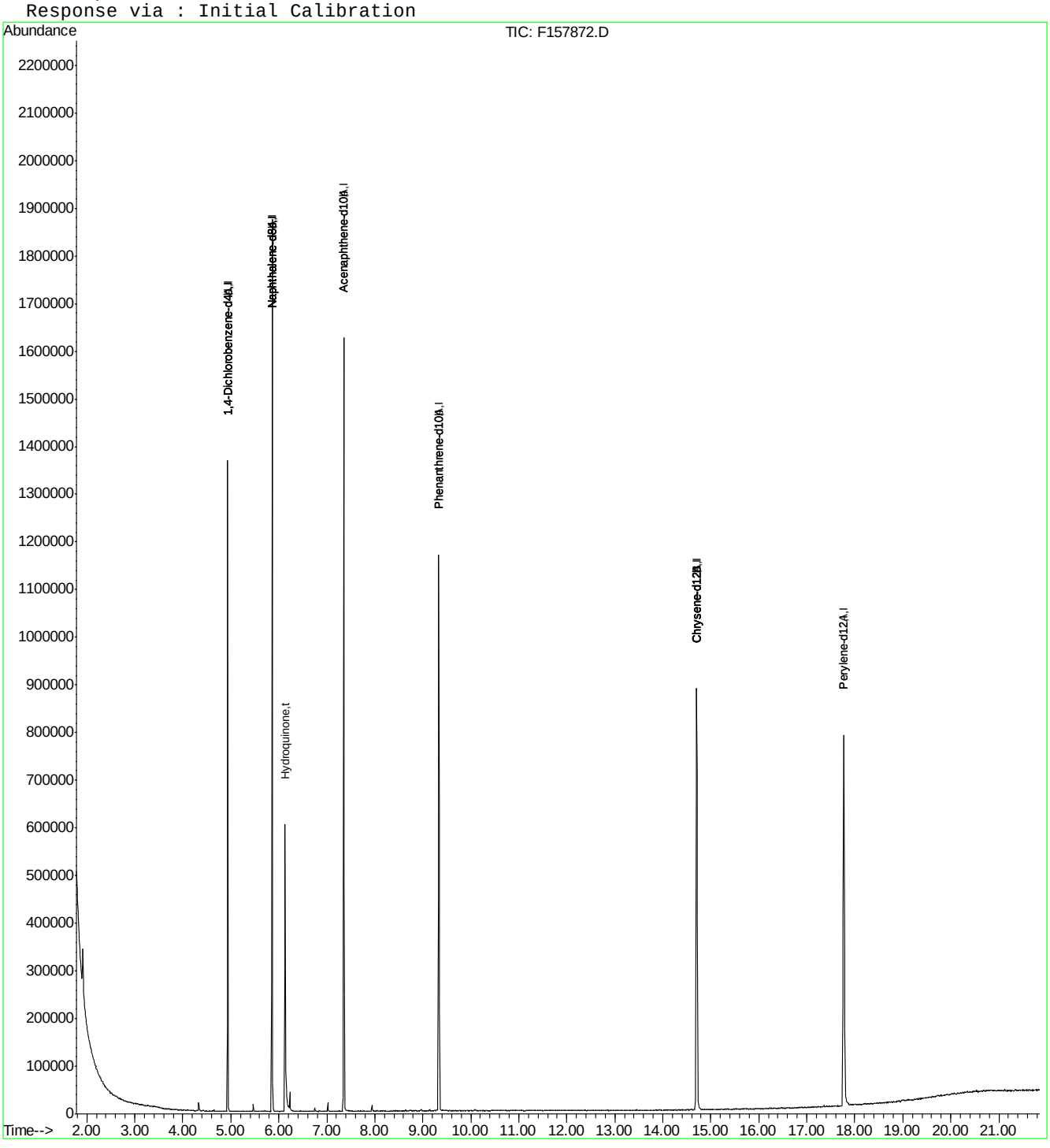
Target Compounds					Qvalue
162) Hydroquinone	6.13	110	273803	55.41 ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F157872.D MF6644.M Fri Jun 10 13:18:09 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6644\F157872.D Vial: 16
Acq On : 9 Jun 2016 9:50 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6645 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 13:18 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6646\F157880.D Vial: 2
Acq On : 10 Jun 2016 4:09 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 16:31:33 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	197640	40.00	ppm	-0.01
24) Naphthalene-d8	5.85	136	803291	40.00	ppm	-0.01
47) Acenaphthene-d10	7.34	164	444781	40.00	ppm	-0.02
69) Phenanthrene-d10	9.32	188	674173	40.00	ppm	-0.02
83) Chrysene-d12	14.69	240	540879	40.00	ppm	-0.03
92) Perylene-d12	17.75	264	473564	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.93	152	197640	40.00	ppm	-0.01
112) Naphthalene-d8A	5.85	136	803291	40.00	ppm	-0.01
121) Acenaphthene-d10A	7.34	164	444781	40.00	ppm	-0.02
132) Phenanthrene-d10A	9.32	188	674173	40.00	ppm	-0.02
147) Chrysene-d12A	14.69	240	540879	40.00	ppm	-0.03
155) Perylene-d12A	17.75	264	473564	40.00	ppm	-0.03
159) 1,4-Dichlorobenzene-d4b	4.93	152	197640	40.00	ppm	-0.01
161) Naphthalene-d8b	5.85	136	803291	40.00	ppm	-0.01
163) Acenaphthene-d10b	7.34	164	444781	40.00	ppm	-0.02
165) Phenanthrene-d10b	9.32	188	674173	40.00	ppm	-0.02
167) Chrysene-d12b	14.69	240	540879	40.00	ppm	-0.02
169) 1,4-Dichlorobenzene-d4c	4.93	152	197640	40.00	ppm	-0.01
171) Naphthalene-d8c	5.85	136	803291	40.00	ppm	-0.01
176) Chrysene-d12c	14.69	240	540879	40.00	ppm	-0.03
178) Naphthalene-d8d	5.85	136	803291	40.00	ppm	-0.01
180) Chrysene-d12B	14.69	240	540879	40.00	ppm	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

Target Compounds

						Qvalue
9) Phenol	4.65	94	481520	44.78	ppm	99
12) 2-Chlorophenol	4.77	128	362335	46.14	ppm	94
19) 2-Methylphenol	5.10	108	341057	45.92	ppm	99
21) 3&4-Methylphenol	5.20	108	363632	46.51	ppm	98
29) 2-Nitrophenol	5.57	139	182885	52.74	ppm	83
30) 2,4-Dimethylphenol	5.59	107	365355	48.67	ppm	99
31) Benzoic acid	5.66	105	254288	48.60	ppm	98
33) 2,4-Dichlorophenol	5.74	162	272342	48.83	ppm	96
34) 2,6-Dichlorophenol	5.90	162	265726	47.78	ppm	99
43) 4-Chloro-3-methylphenol	6.25	107	308363	48.15	ppm	98
49) 2,4,6-Trichlorophenol	6.61	196	173370	52.94	ppm	98
50) 2,4,5-Trichlorophenol	6.64	196	177207	47.69	ppm	100

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

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6646\F157880.D Vial: 2
Acq On : 10 Jun 2016 4:09 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 16:31:33 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 10 12:51:27 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
60)	2,4-Dinitrophenol	7.39	184	63869	43.68	ppm	#	75
61)	4-Nitrophenol	7.44	109	93803	53.02	ppm		94
64)	2,3,4,6-Tetrachlorophenol	7.69	232	128890	51.45	ppm		99
70)	4,6-Dinitro-2-methylphenol	8.02	198	98815	42.61	ppm		99
76)	Pentachlorophenol	9.01	266	98651	54.51	ppm		97

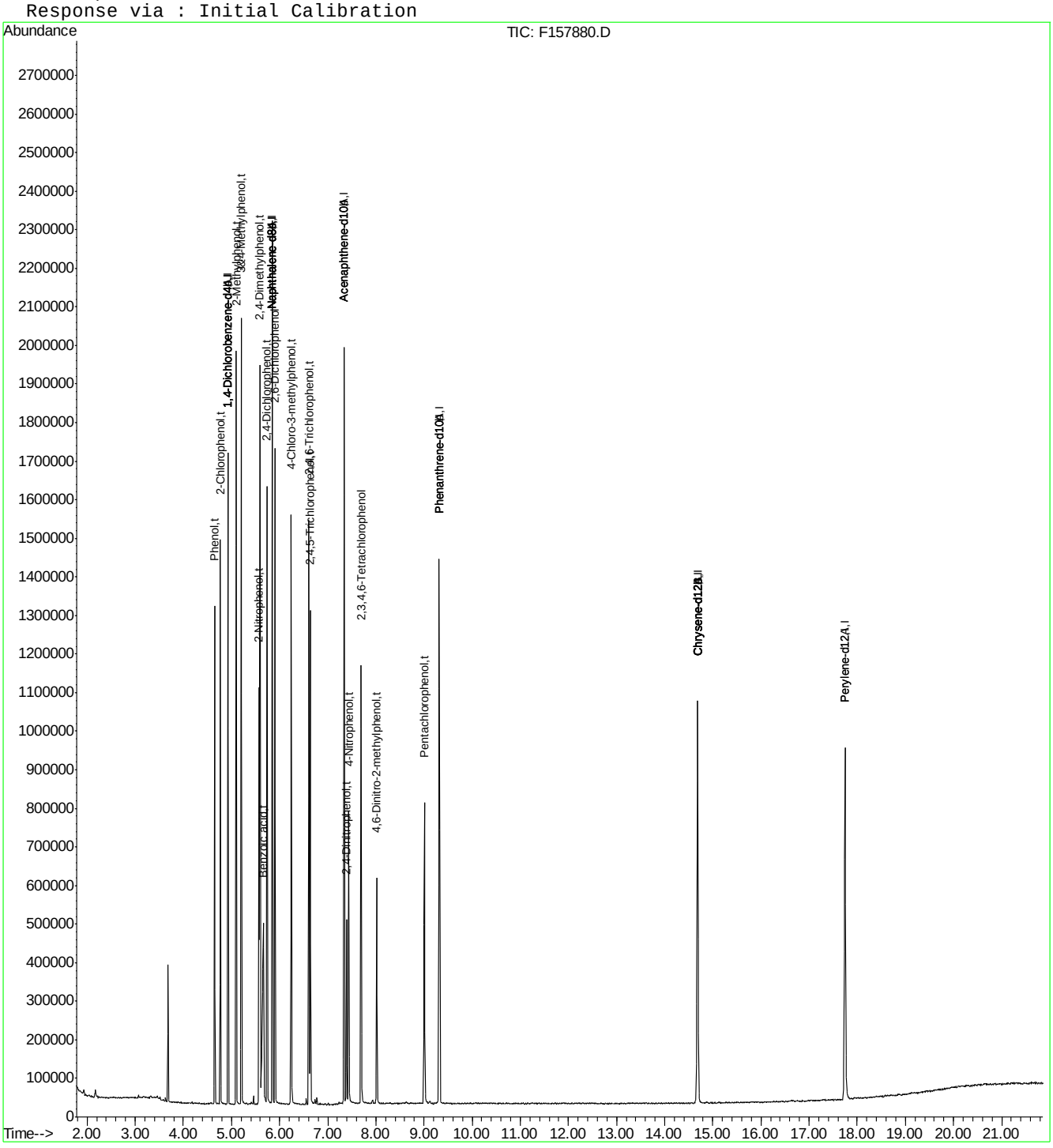
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6646\F157880.D Vial: 2
Acq On : 10 Jun 2016 4:09 pm Operator: brittanp
Sample : icv6644-50 Inst : MSF
Misc : op93756,ef6646 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 13 9:27 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 12 12:17:27 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158970.D Vial: 2
Acq On : 15 Jul 2016 7:51 am Operator: brittanp
Sample : cc6644-25 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 18 15:33:52 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 18 15:33:50 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.79	152	259450	40.00	ppm	0.02
24) Naphthalene-d8	5.71	136	1100578	40.00	ppm	0.02
47) Acenaphthene-d10	7.16	164	635503	40.00	ppm	0.04
69) Phenanthrene-d10	9.09	188	1008786	40.00	ppm	0.05
83) Chrysene-d12	14.45	240	883147	40.00	ppm	0.11
92) Perylene-d12	17.53	264	803758	40.00	ppm	0.14
102) 1,4-Dichlorobenzene-d4b	4.79	152	259450	40.00	ppm	0.02
104) Naphthalene-d8b	5.71	136	1100578	40.00	ppm	0.02
106) Acenaphthene-d10b	7.16	164	635503	40.00	ppm	0.04
108) Phenanthrene-d10b	9.09	188	1008786	40.00	ppm	0.05
110) Chrysene-d12b	14.45	240	883147	40.00	ppm	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	253251	26.21	ppm	0.02
Spiked Amount 50.000			Recovery = 52.42%			
8) Phenol-d5	4.55	99	334457	26.74	ppm	0.02
Spiked Amount 50.000			Recovery = 53.48%			
25) Nitrobenzene-d5	5.19	82	314425	28.56	ppm	0.00
Spiked Amount 50.000			Recovery = 57.12%			
51) 2-Fluorobiphenyl	6.53	172	501860	25.10	ppm	0.01
Spiked Amount 50.000			Recovery = 50.20%			
73) 2,4,6-Tribromophenol	8.08	330	51309	28.15	ppm	0.02
Spiked Amount 50.000			Recovery = 56.30%			
85) Terphenyl-d14	12.20	244	465599	26.46	ppm	0.06
Spiked Amount 50.000			Recovery = 52.92%			

Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	113451	23.82	ppm	94
3) Pyridine	2.70	79	313922	26.86	ppm	93
4) N-Nitrosodimethylamine	2.66	42	98204	33.45	ppm	81
6) Indene	4.97	116	472099	26.01	ppm	97
7) Cumene	4.18	105	648541	26.24	ppm	98
9) Phenol	4.56	94	419161	29.69	ppm	68
10) Aniline	4.55	93	359013	21.01	ppm	67
11) bis(2-Chloroethyl)ether	4.59	93	271058	26.06	ppm	99
12) 2-Chlorophenol	4.65	128	265477	25.75	ppm	99
13) Decane	4.65	43	221630	27.61	ppm	94
14) 1,3-Dichlorobenzene	4.74	146	279851	24.74	ppm	97
15) 1,4-Dichlorobenzene	4.80	146	286971	24.95	ppm	98
16) Benzyl alcohol	4.89	108	183505	27.14	ppm	98
17) 1,2-Dichlorobenzene	4.91	146	266869	24.76	ppm	100
18) Acetophenone	5.08	105	390215	26.81	ppm	97
19) 2-Methylphenol	5.00	108	254916	26.14	ppm	99
20) 2,2'-oxybis(1-Chloropropan	4.98	121	92282	26.80	ppm #	84
21) 3&4-Methylphenol	5.10	108	277720	27.06	ppm	99
22) n-Nitroso-di-n-propylamine	5.08	70	222683	29.02	ppm	92
23) Hexachloroethane	5.16	201	80682	26.14	ppm	90
26) Nitrobenzene	5.20	77	344560	28.54	ppm	95
27) Quinoline	5.97	129	556425	25.70	ppm	97
28) Isophorone	5.37	82	568941	28.05	ppm	94

(#) = qualifier out of range (m) = manual integration
F158970.D MF6644.M Mon Jul 18 15:34:25 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158970.D Vial: 2
Acq On : 15 Jul 2016 7:51 am Operator: brittanp
Sample : cc6644-25 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 18 15:33:52 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 18 15:33:50 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29) 2-Nitrophenol	5.43	139	144465	30.41	ppm		95
30) 2,4-Dimethylphenol	5.48	107	253702	24.67	ppm		99
31) Benzoic acid	5.57	105	225019	31.39	ppm		94
32) bis(2-Chloroethoxy)methane	5.53	93	329455	25.74	ppm		98
33) 2,4-Dichlorophenol	5.63	162	210542	27.55	ppm		96
34) 2,6-Dichlorophenol	5.78	162	206688	27.13	ppm		96
35) 1,3,5-Trichlorobenzene	5.44	180	217414	24.55	ppm		98
36) 1,2,4-Trichlorobenzene	5.67	180	211537	24.86	ppm		99
37) 1,2,3-Trichlorobenzene	5.83	180	209909	24.81	ppm		98
38) Naphthalene	5.73	128	795039	24.89	ppm		99
39) 4-Chloroaniline	5.77	127	303374	23.38	ppm		99
40) 2,3-Dichloroaniline	6.46	161	252152	25.84	ppm		97
41) Caprolactam	6.03	55	111919	31.68	ppm		97
42) Hexachlorobutadiene	5.81	225	99626	26.16	ppm		98
43) 4-Chloro-3-methylphenol	6.14	107	251871	28.70	ppm	#	44
44) 2-Methylnaphthalene	6.24	141	436610	25.83	ppm		100
45) 1-Methylnaphthalene	6.32	141	457314	25.61	ppm		100
46) Dimethylnaphthalene	6.75	156	460921	26.37	ppm		98
48) Hexachlorocyclopentadiene	6.35	237	221050	56.49	ppm		99
49) 2,4,6-Trichlorophenol	6.47	196	137427	29.37	ppm		99
50) 2,4,5-Trichlorophenol	6.52	196	144148	27.15	ppm		98
52) 2-Chloronaphthalene	6.64	162	472737	25.48	ppm		98
53) Biphenyl	6.61	154	626978	25.64	ppm		98
54) 2-Nitroaniline	6.73	65	181988	34.95	ppm		94
55) Dimethylphthalate	6.89	163	534409	26.39	ppm		100
56) Acenaphthylene	7.02	152	778763	26.17	ppm		99
57) 2,6-Dinitrotoluene	6.95	165	123750	30.87	ppm		88
58) 3-Nitroaniline	7.13	138	144865	28.16	ppm		92
59) Acenaphthene	7.20	153	482803	25.25	ppm		99
60) 2,4-Dinitrophenol	7.23	184	122900	56.70	ppm		94
61) 4-Nitrophenol	7.37	109	90017	35.61	ppm	#	43
62) Dibenzofuran	7.38	168	640918	24.83	ppm		89
63) 2,4-Dinitrotoluene	7.36	165	172803	31.66	ppm		81
64) 2,3,4,6-Tetrachlorophenol	7.52	232	109797	30.67	ppm		95
65) Diethylphthalate	7.63	149	537692	27.73	ppm		98
66) Fluorene	7.77	166	535506	26.65	ppm		98
67) 4-Chlorophenyl-phenylether	7.77	204	219219	26.33	ppm		99
68) 4-Nitroaniline	7.82	138	138044	25.86	ppm		97
70) 4,6-Dinitro-2-methylphenol	7.84	198	92346	27.50	ppm		98
71) n-Nitrosodiphenylamine	7.92	169	359869	25.86	ppm		99
72) 1,2-Diphenylhydrazine	7.97	77	698484	28.37	ppm		94
74) 4-Bromophenyl-phenylether	8.42	248	117177	26.17	ppm		89
75) Hexachlorobenzene	8.49	284	116700	24.62	ppm		92
76) Pentachlorophenol	8.81	266	155614	57.47	ppm		99
77) Phenanthrene	9.13	178	758375	24.60	ppm		99
78) Anthracene	9.21	178	762352	25.51	ppm		99
79) Carbazole	9.50	167	725639	25.94	ppm		100
80) Di-n-butylphthalate	10.21	149	935565	30.08	ppm		99
81) Fluoranthene	11.30	202	747242	27.29	ppm		93

(#) = qualifier out of range (m) = manual integration
F158970.D MF6644.M Mon Jul 18 15:34:25 2016 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158970.D Vial: 2
Acq On : 15 Jul 2016 7:51 am Operator: brittanp
Sample : cc6644-25 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 18 15:33:52 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 18 15:33:50 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Octadecane	8.98	57	359181	31.75	ppm	95
84)	Pyrene	11.76	202	777080	24.96	ppm	91
86)	Butylbenzylphthalate	13.39	149	417777	30.53	ppm	96
88)	Benzo[a]anthracene	14.42	228	679494	26.41	ppm	98
89)	3,3'-Dichlorobenzidine	14.48	252	242548	27.91	ppm	99
90)	Chrysene	14.50	228	679943	24.67	ppm	100
91)	bis(2-Ethylhexyl)phthalate	14.83	149	578712	27.58	ppm	97
93)	Di-n-octylphthalate	16.31	149	1003727	29.62	ppm	99
94)	Benzo[b]fluoranthene	16.76	252	701255	28.43	ppm	98
95)	Benzo[k]fluoranthene	16.82	252	652419	26.20	ppm	98
96)	Benzo[a]pyrene	17.40	252	605502	28.60	ppm	98
97)	Indeno[1,2,3-cd]pyrene	19.50	276	572084	29.48	ppm	98
98)	Dibenz(a,h)acridine	19.14	279	515957	30.59	ppm	100
99)	Dibenz[a,h]anthracene	19.56	278	573888	28.78	ppm	97
100)	7,12-Dimethylbenz(a)anthra	16.78	256	301185	27.66	ppm	99
101)	Benzo[g,h,i]perylene	19.93	276	617147	27.78	ppm	100

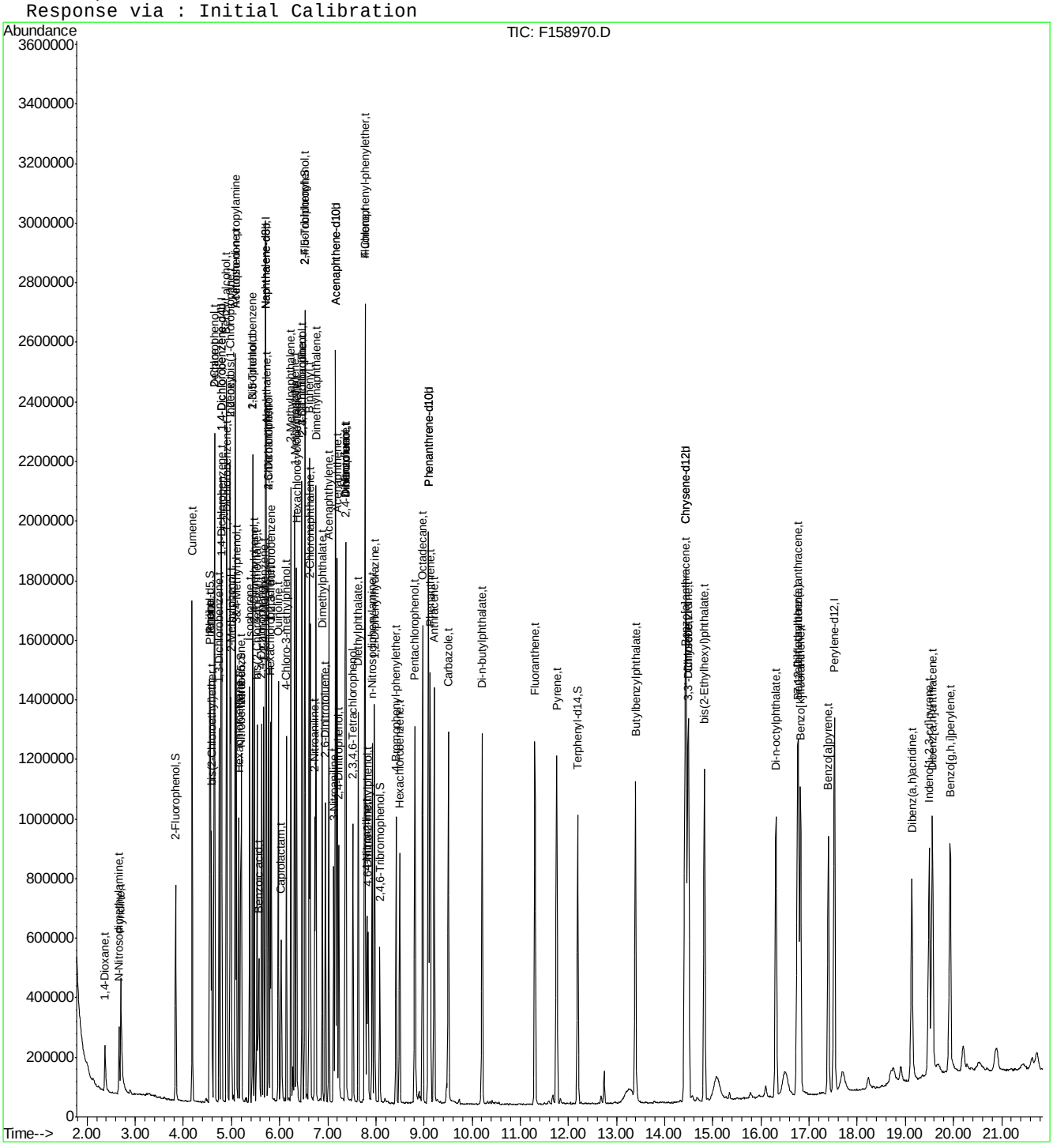
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158970.D Vial: 2
Acq On : 15 Jul 2016 7:51 am Operator: brittanp
Sample : cc6644-25 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 18 15:34 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 18 15:33:50 2016
Response via : Initial Calibration



SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158971.D Vial: 3
Acq On : 15 Jul 2016 8:23 am Operator: brittanp
Sample : cc6645-25 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 15 08:45:20 2016 Quant Results File: MF6644.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jul 15 08:20:13 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	269117	40.00	ppm	0.00
24) Naphthalene-d8	5.71	136	1126694	40.00	ppm	0.00
47) Acenaphthene-d10	7.16	164	657187	40.00	ppm	0.00
69) Phenanthrene-d10	9.09	188	1079193	40.00	ppm	0.00
83) Chrysene-d12	14.44	240	936633	40.00	ppm	0.00
92) Perylene-d12	17.53	264	859686	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4b	4.78	152	269117	40.00	ppm	0.00
104) Naphthalene-d8b	5.71	136	1126694	40.00	ppm	0.00
106) Acenaphthene-d10b	7.16	164	657187	40.00	ppm	0.00
108) Phenanthrene-d10b	9.09	188	1079193	40.00	ppm	0.00
110) Chrysene-d12b	14.44	240	936633	40.00	ppm	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.00	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.00	82	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.00	244	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			

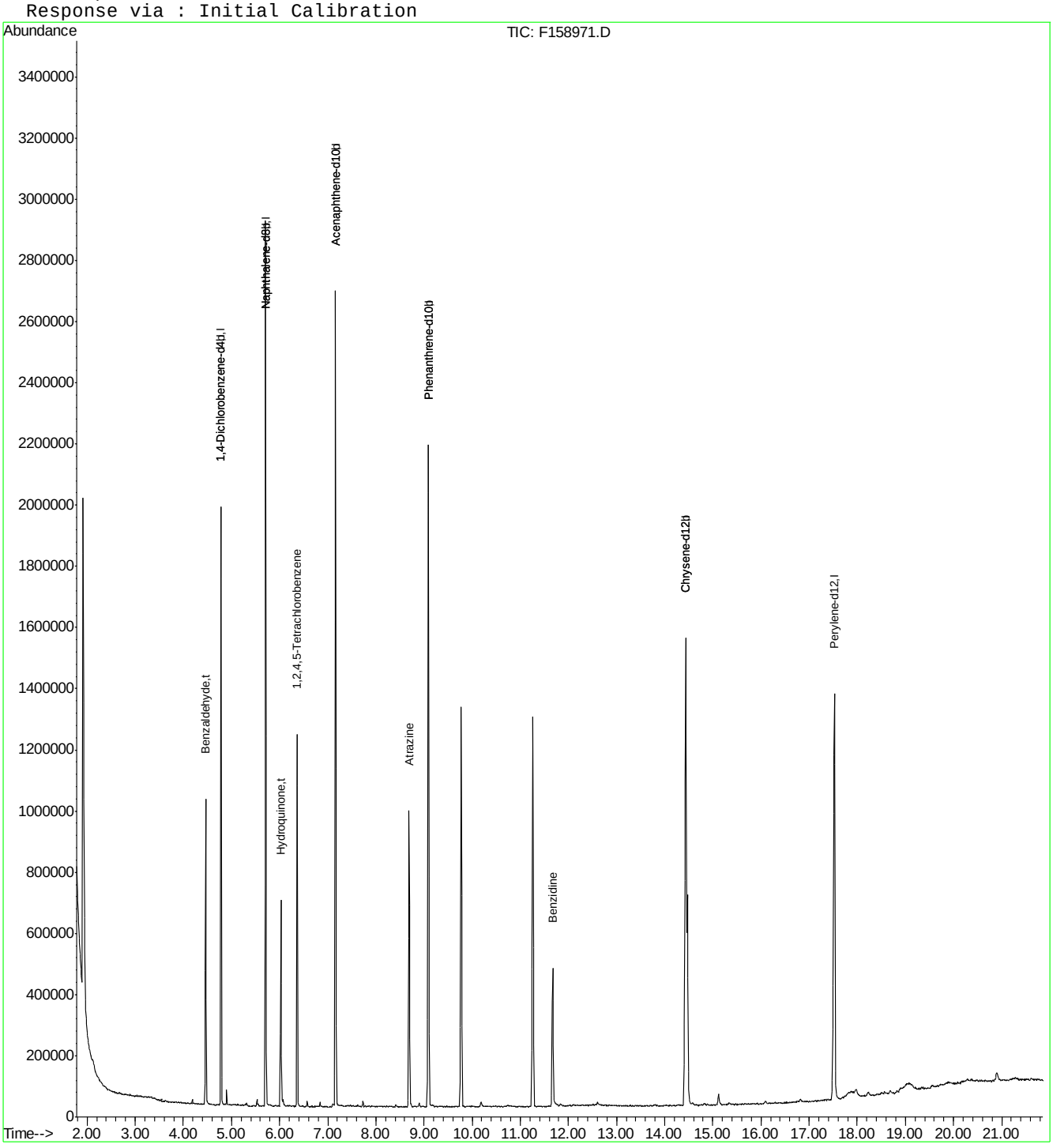
Target Compounds						Qvalue
103) Benzaldehyde	4.46	105	188915	25.60	ppm	94
105) Hydroquinone	6.03	110	285546	33.49	ppm	95
107) 1,2,4,5-Tetrachlorobenzene	6.36	216	178797	25.94	ppm	98
109) Atrazine	8.69	200	133869	33.03	ppm	99
111) Benzidine	11.67	184	282139	26.58	ppm	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158971.D Vial: 3
Acq On : 15 Jul 2016 8:23 am Operator: brittanp
Sample : cc6645-25 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 15 12:50 2016 Quant Results File: MF6644.RES

Method : C:\MSDCHEM\1\METHODS\MF6644.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jul 15 12:48:28 2016
Response via : Initial Calibration



F158971.D MF6644.M Fri Jul 15 12:50:27 2016 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158972.D Vial: 4
Acq On : 15 Jul 2016 8:52 am Operator: brittanp
Sample : cc6644-5 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 18 11:34:15 2016 Quant Results File: MF6644AP9.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF6644AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 18 11:34:09 2016
Response via : Initial Calibration
DataAcq Meth : MF6644

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.79	152	210344	40.00 ppm	0.08
24) Naphthalene-d8	5.71	136	881957	40.00 ppm	0.07
47) Acenaphthene-d10	7.16	164	500590	40.00 ppm	0.11
69) Phenanthrene-d10	9.08	188	817227	40.00 ppm	0.15
83) Chrysene-d12	14.42	240	725613	40.00 ppm	0.23
92) Perylene-d12	17.51	264	667625	40.00 ppm	0.27
102) 1,4-Dichlorobenzene-d4A	4.79	152	210344	40.00 ppm	0.03
112) Naphthalene-d8A	5.71	136	881957	40.00 ppm	0.03
121) Acenaphthene-d10A	7.16	164	500590	40.00 ppm	0.04
132) Phenanthrene-d10A	9.08	188	817227	40.00 ppm	0.06
147) Chrysene-d12A	14.42	240	725613	40.00 ppm	0.11
155) Perylene-d12A	17.51	264	667625	40.00 ppm	0.14
159) 1,4-Dichlorobenzene-d4b	4.79	152	210344	40.00 ppm	0.08
161) Naphthalene-d8b	5.71	136	881957	40.00 ppm	0.07
163) Acenaphthene-d10b	7.16	164	500590	40.00 ppm	0.11
165) Phenanthrene-d10b	9.08	188	817227	40.00 ppm	0.15
167) Chrysene-d12b	14.42	240	725613	40.00 ppm	0.23
169) 1,4-Dichlorobenzene-d4c	4.79	152	210344	40.00 ppm	0.03
171) Naphthalene-d8c	5.71	136	881957	40.00 ppm	0.03
176) Chrysene-d12c	14.42	240	725613	40.00 ppm	0.11
178) Naphthalene-d8d	5.71	136	881957	40.00 ppm	0.03
180) Chrysene-d12B	14.42	240	725613	40.00 ppm	0.17

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
8) Phenol-d5	0.00	99	0d	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		
85) Terphenyl-d14	0.00	244	0	0.00 ppm	
Spiked Amount 50.000			Recovery = 0.00%		

Target Compounds					Qvalue
181) 2,3,7,8-tcdd	13.56	320	10401	5.00 ppm	89

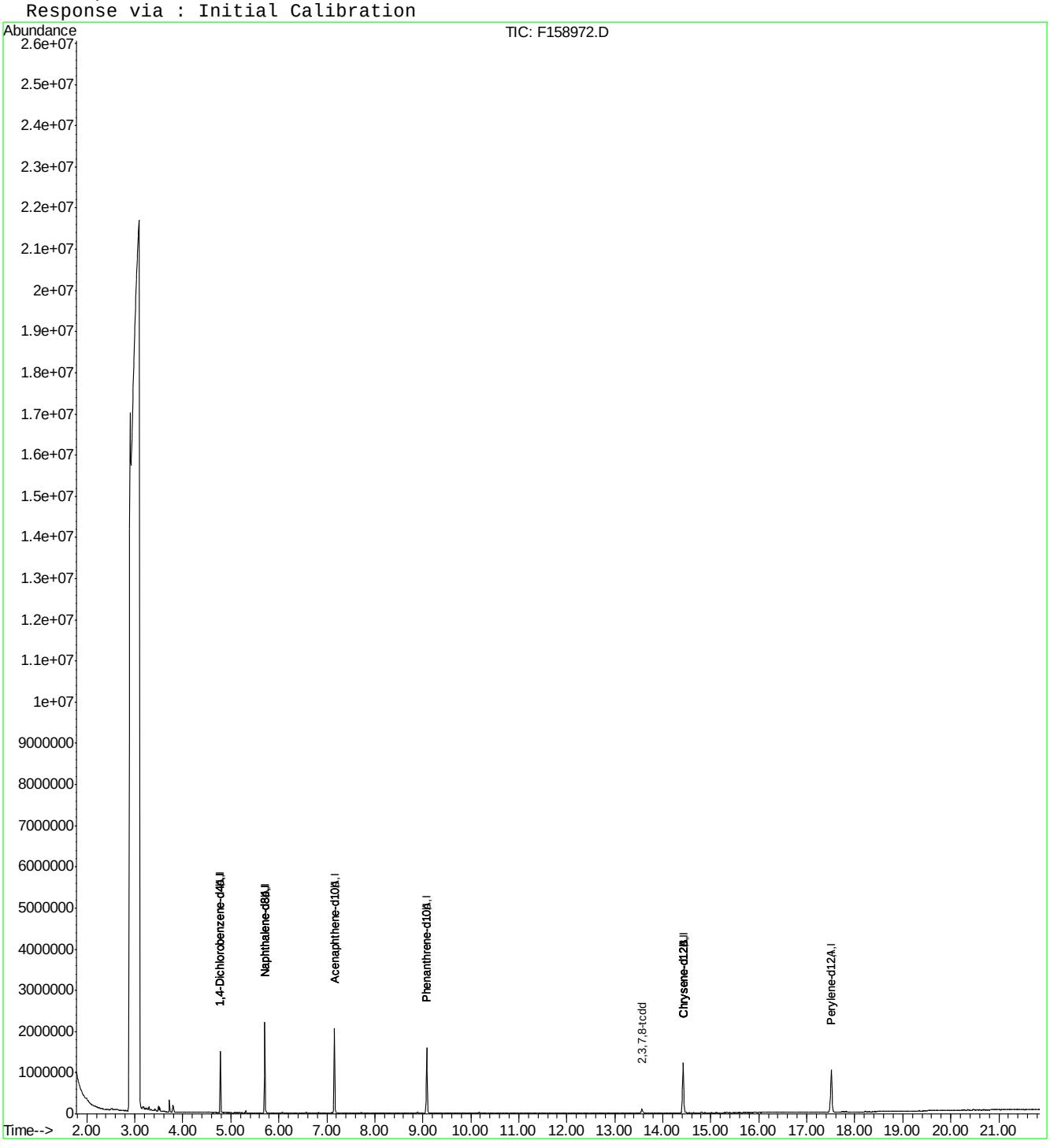
(#) = qualifier out of range (m) = manual integration (+) = signals summed

SGS ACCUTEST JC24003

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF6690\F158972.D Vial: 4
Acq On : 15 Jul 2016 8:52 am Operator: brittanp
Sample : cc6644-5 Inst : MSF
Misc : op93756,ef6690 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 18 11:34 2016 Quant Results File: MF6644AP9.RES

Method : C:\MSDCHEM\1\METHODS\MF6644AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 18 11:34:09 2016
Response via : Initial Calibration



F158972.D MF6644AP9.M Mon Jul 18 11:34:43 2016 RT1 Page 2

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: E2P2635

Print Analyst Name: ROBERT LABOSTA

Date: 6/23/16

Analyst Signature: [signature]

Columns: 30m x 0.25mm x 0.25µ

Method: E2P2635 8270D

Initial Cal. Method: E2P2635

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
~~SVMI1935-84~~	~~DF 1/8~~	~~50ppm~~
SVMI1935-84	DF 1/8	50ppm
~~[illegible]~~	~~BNA~~	~~50ppm~~
CMT752	75 (0)	400ppm
162089	DLM (RSLs)	—

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6-23-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	SV6423#2											
	2P6423	DF 1/8				1					not reing	#51 reing
	60420	DF 1/8				1					↓	RC Tailing & reinjectall
	60421	DF 1/8				1					OK	10:35 AM
	6.422	BNA IC2635-50		BNA	W	2					not work	SV61935-63C D:50 M, Dilution daily
	60423	IC2635-50		BNA	W	2					↓	↓
	60424	IC2635-50		BNA	W	2					OK	SV61935-63C
	6.425	IC2635-1				3					OK	-63I
	6.426	-2				4					OK	-63H
	60427	-5				5					OK	-63G
	60428	-10				6					OK	-63E
	2P60429	-25				7					OK	-63D
	60430	-80				8					OK	-63B
	60431	-100				9					OK	8:07 PM -63A

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

179

Form: OR015-07
Rev. Date: 1/19/16

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: E2P2636

Print Analyst Name: ROBERT WARD

Date: 6/23/16

Analyst Signature:

Columns: RTX-5MS 30m X 0.25mm X 0.25u

Method: 8270D/625

Initial Cal. Method: MZP2635

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV161935-89	SP	1ppm
2M5732	8270	4ppm
163004	DCM Blank	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6-27-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2P60432	SP 1ppm									OK	9:57pm
	60433	ICV2636-50		TUN2	W	2					RR	SV161935-31C
	60434	ICV2636-1				3						-31I
	60435	-2				4						-31H
	60436	-5				5						-31G
	60437	-10				6						-31E
	60438	-25				7						ran 50 by mistake ~~320~~ -320
	60439	-80				8						-31B
	60440	-100				9						-31A
	60441	ICV2635-50		BN1		10					RR	SV161935-81 RR for #4
	60442	-50		BN2		11					OK	-74
	60443	-50		ABNSURR		12						OP161712-107
	60444	-50		ANALYTE		13						SV161935-58
	60445	-50		ACID		14						-83
	60446	ICV2636-50		BZO3		15					RR	SV171827-38C
	60447	-50		HQ		16						-97D 10:34pm

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

181

7.6.2

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: E2P2637

Print Analyst Name: Robert Larsen

Date: 6/24/16

Analyst Signature: [illegible]

Columns: ZB-5MS 45m (1.5mm x 0.25)

Method: 8270D/8270

Initial Cal. Method: M2P2635

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV16193	19- DF 188	50ppm
7352	7352	40ppm
163034	DCM (Poly)	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible]

Date: 6-27-16

R	Data File SP2/MM2	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2P2604[illegible]	DF188				1					OK	Nitram
	60449	ICC2637-50		1442	W	2					OK	SV16193-31C
	60450	2C2637-1				3					OK	-31I
	60451	-100				4					OK	-31A
	60452	-2				5					OK	-31H
	60453	-80				6					OK	-31B
	60454	-5				7					OK	-31G
	60455	-20				8					OK	-32P
	60456	-10				9					OK	-31E
	60457	ICV2637-50		BZD3[illegible]		10					OK	SV101227-39B
	60458	-50		H2		11					OK	-9BD
	60459A	-50		BN1		12					OK	SV16193-71
	60460	-50		BN2		13					RR	3.75ppm -71 atrl

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

183

7.6.3

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: E2P2638

Print Analyst Name: [illegible]

Analyst Signature: [illegible]

Date: 6/24/16

Columns: ZB-5MS+30 m x 0.25mm x 0.25µm

Method: 8270D/625

Initial Cal. Method: M2P2635

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV61855-89	[illegible]	50µg/mL
CM5732	ISTD	4000ng/mL
167039	DCM (RSV)	—

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible]

Date: 6-27-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2P60441	[illegible]				1					[illegible]	5:12
	604462	ICV 2635-50		BN1	W	2					[illegible]	SV61855-75 Bad good!
	604463	ICV2637-50		BN2	W	3					[illegible]	SV77529-116 5:48pm

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

185

Form: OR015-07

Rev. Date: 1/19/16

7.6.4

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: E282663

Print Analyst Name: ROBERT LA POSTA

Date: 7/14/16

Analyst Signature: [illegible]

Columns: [illegible]

Method: 8270D/625

Initial Cal. Method: [illegible]

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV161435-79	[illegible]	70ppm
SV161435-430	BNA	[illegible]
	-PAH TCLP	[illegible]
OM1732	1,4-D	40ppm
1623534	DCM (Fuhr)	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible]

Date: 7-15-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2860471	[illegible]				1					[illegible]	9:02am
	60472	CC2635-50		BNA	W	2					[illegible]	
	60473	CC2637-50		TCLP		3					[illegible]	ACID B2270D
	60474	BNA-W-1ppm		BNA		4					[illegible]	SV161435-67D (1ppm)
	60475	BNA-W-2ppm				5					[illegible]	-65D (2ppm)
	60476	OP95718-MB1	95718	AB8270	W	6		+	V	V	[illegible]	8:32 @ 5.36ppm
	60477	-BS1				7			V	V	[illegible]	
	60478	-BS1a				8			V	V	[illegible]	
	60479	-LBS2				9			V	V	[illegible]	
	60480	-LBS2				10			V	V	[illegible]	ACE @ 0.30ppm, PHN @ 0.34ppm
	60481	JC23037-16x8x, 95303-5		AB TCLP		11		+	V	V	[illegible]	
	60482	JC23081-1		AB TCLP		12			V	V	[illegible]	
	60483	OP95718-LCS		AB8270		13			V	V	[illegible]	
	60484	-MSD				14			V	V	[illegible]	
	60485	JC23923-1A		AB TCLP		15			V	V	[illegible]	
	60486	JC23922-1A				16			V	V	[illegible]	
	60487	JC23809-1				17			V	V	[illegible]	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

SGS ACCUTEST JC24003

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: E2P2663

Print Analyst Name: ROBERT LABSTA

Date: 7/14/16

Analyst Signature: [signature]

Columns: 5%-5ust 30mX0.25mmX0.25µ

Method: 8270D/625

Initial Cal. Method: M2P2635

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	DCL P67	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AMO

Date: 7/15/16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	60088	JC23809-2	9J518	ABCUP	W	17			V	V	ok	
R	60089	JC21433-1B	9J502	ABSLHH2	S	19	2		V	V	ok	diluted due to resinous matrix VF=2mL CG
R	60090	JC20091-3B				20	2		V	V	ok	
R	60091	JC20091-2B				21	2		V	V	ok	
R	60092	JC20091-1B	9J439			22	2		V	V	ok	
R	60093	JC20091-5B	9J505	ABSL70	W	23			V	V	ok	6.77pm
	60094	0895563A-MB1	9J563A	ABSL70	W	24			V	V	ok	2pm after 60089
	60095	JC24003-2		BZMD70X+ NTD		25	10		V	V	ok	
	60096	-3				26	10		V	V	ok	2pm 2X=20X
	60097	-4				27			V	V	ok	
	60098	-3					20		V	V	ok	2pm before 60090

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

SGS ACCUTEST JC24003

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID E3P 2503

Print Analyst Name: Hank Chao

Analyst Signature: HC

Date: 7/6/16

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV515791	DFTPP	50ppm
SV16A3594	SIM internal	400ppm
163B9	DCMFshed	—

Columns: Rtx-5Sil ms 30m x .25mm x .25

Method 8270D/625

Initial Cal. Method M3P2503SIM

Injection Volume: 1.0µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to compl with the criteria of Accutest SOP EQA044.

Supervisor Signature: AMC

Date: 7/8/16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P54953	DFTPP				1					OK	9:12 am
	54954	ICC2503-1.0		BLASIM	W	2					not using	fix integration rerun as A file not
	54955	ICC2503-1.0		BLASIM	W	2					OK	SV16A935-90A
	54956	IC2503-001				3					OK	SV16-1935-60G
	54957	-0.02				4					OK	-60F
	54958	-0.05				5					OK	-60E
	54959	-0.1				6					OK	-60D
	54960	-0.2				7					OK	-60C
	54961	-5				8					OK	-60A
	54962	-2.5				9					OK	-60B
	54963	-0.5				10					OK	-90B
	54964	ICV2503-1.0		BSIM2nd	W	11					OK	OP16A7972 pan ST Rerun.
	54965	-1.0		Acid2nd	W	12					OK	SV16A93596 phenol T

AMC

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

11

Form: OR015-07
Rev. Date: 1/19/16

7.6.6

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID E3P2511

Print Analyst Name: Hank Chen

Analyst Signature: HC

Date: 7/14/16

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV16-1935-89	DFTPP	50 ppm
SV16-1935-100-B	Sim Std	0.5 ppm
SV16-1935-104	Sim Internal	400 ppm
163534	DCM (Fisher)	—

Columns: Rxi5Silms 30m x .25mm x .25µ

Method 8270D/625

Initial Cal. Method M3P2503SIM

Injection Volume: 1.0µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible]

Date: 7/19/16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P55095	DFTPP				1					OK	9:39 am
	55096	cc2503-0.5				2					OK	
	55097	OP95563A-MB1	95563	AB8270	W	3			✓	✓	OK	
	55098	-BS12				4			✓	✓	OK	
	55099	-BSD12				5			✓	✓	ok	
	55100	JC24003-1		W4D10X+Nap		6			✓	✓	ok	
	55101	-2				7			✓	✓	ok	run by 8270 1:10
	55102	-3				8			✓	✓	ok	run by 8270 1:10
	55103	-4				9			✓	✓	ok	run by 8270
	55104	-5				10			✓	✓	ok	
	55105	OP95546a-MB1	95546	B8270 ~~BSIM14D10X~~		11			4 ↓		not using	Ran as "A" file due to analyst error RR. Okay
	55106	-BS12				12			4 ↓		↓	↓
	55107	-MS				13			4 ↓			
	55108	-MSD				14			✓			
	55109	JC23885-1		BSIM14D10X		15			✓			

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

37

Form: OR015-07
Rev. Date: 1/19/16

7.6.7

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID EF6644

Print Analyst Name: Brittany Percy

Date: 06/09/2016

Analyst Signature: B.P.

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV158279 1	DFTPP	50ppm
CM5732	Internal Std	4000ppm
~~1000~~ BP 6/9/16 103036 @	DCM (Fisher)	

Columns: ZB-5MS® 30m x .25mm x .25µm

Method 8270D/625

Initial Cal. Method MF6644

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date 6/10/16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F157847	DFTPP			W	1					NOT USING	1271, Reinject.
	848	DFTPP			W	1					[initials]	7:36am
	849	1C6644-100		BNA	W	2					[initials]	SV161935-63A
	850	1C6644-80				3					[initials]	-63B
	851	1C6644-~~50~~ 25	BP 06/09/16 @			4					[initials]	-64O
	852	1C6644-~~25~~ 50				5					[initials]	-64P
	853	1C6644-10				6					[initials]	-63E
	854	1C6644-5				7					[initials]	-63G
	855	1C6644-2				8					[initials]	-63H
	856	1C6644-1				9					[initials]	-64I
												BP 06/09/16

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

197

7.6.8

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID EF6645

Print Analyst Name: Brittany Pieroj

Analyst Signature: BP

Date: 06/09/2016

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV5182791	DFTPP	50 ppm
CM5732	Internal Std.	4000ppm
163036	DCM (Fisher)	—

Columns: ZB-5MS® 30m x .25mm x .25µm

Method 8270D/625

Initial Cal. Method MF16644

Injection Volume: 1.0µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/10/16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F157857	DFTPP			W	1					[initials]	2:45 pm
	858	IC6645-100		TCL42		2					[initials]	SV161935-3A
	859	IC6645-80				3					[initials]	-3B
	860	ICC6645-50				4					[initials]	-3C
	861	IC6645-25				5					[initials]	-3D
	862	IC6645-10				6					[initials]	-3E
	863	IC6645-5				7					[initials]	-3G
	864	IC6645-2				8					[initials]	SV161935-31H
	865	IC6645-1				9					[initials]	-3I
	866	ICV6644-50		Acids		10					NOT sig	SV151827-79 Bias low
	867	ICV6644-50		Anilines		11					[initials]	SV161935-20
	868	ICV6644-50		BN2		12					[initials]	SV161935-69
	869	ICV6644-50		BN1		13					[initials]	SV151827-88
	870	ICV6644-50		ABN surr		14					[initials]	OP161712136
	871	ICV6644-50		Benzidine 3rd		15					[initials]	SV151827-38C
	872	ICV6644-50		HQ		16					[initials]	SV151827-98A

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID: EF6646

Print Analyst Name: Archie Cawson

Analyst Signature: [signature]

Date: 6/10/16

Columns: 75m + 30m x 25mm x 25m

Method: 8270D 625

Initial Cal. Method: MF 6644

Injection Volume: 1 ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
1518278	DFTPP	50ppm
Cm5732	Ig Long Std	400ppm
16302	DCM (Fisher)	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AMO

Date: 6/13/16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F157873	DFTPP			W	1					NG	127 ↑ reinjected
	157874	DFTPP			W	1					Not using	127 T - Bake + Reinject
	157875	DFTPP			W	1					Not using	127 T -
	157876	DFTPP			W	1					↓	
	877	DFTPP			W	1					Not using	51 ↓ Reinject!
	878	DFTPP			W	1					↓	
	879	DFTPP			W	1					OK	354 pm
	880	BP 6/10/16 ~~CC~~ lcv6644-50		Acids	W	1					OK	SV151827-114 400PM

AMO

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

Form: OR015-07
Rev. Date: 1/19/16

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID EF6690

Print Analyst Name: Brittany Percy

Date: 07/15/2016

Analyst Signature: B.P.

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV16192589	DFTPP	50 ppm
-64P	BNA	25 ppm
-32D	TCL42	25 ppm
CM-5732	Internal Std.	4000 ppm
163524	DCM (Fisher)	—

Columns: ZB-5MS® 30m x .25mm x .25µm

Method 8270D/625

Initial Cal. Method MF6644

Injection Volume: 1.0µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: DM

Date: 7-18-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F 158969	DFTPP			W	1					OK	7:39AM
	158970	CC6644-25		BNA	W	2					OK	4,29,31,41,51,61,63,98↑,64,80,82,86↑
	158971	CC6645-25		TCL42	W	3					OK	105,109↑
	158972	CC6644-5		TCDD	W	4					OK	
	158973	OP95566-MB1	95566-1	AB625	W	5			/	/	OK	
	158974	-BS1				6			/	/	OK	
	158975	OP95575-MB1	95575-1 95446-2	AB8270	W	7			/	/	OK	
	158976	-BS1				8			/	/	OK	
	158977	OP95574-MB1	95574-1	AB625	W	9			/	/	OK	
	158978	-BS1				10			/	/	OK	
	158979	JC93944-2	95566-1	ABPPL	W	11			1↓	3↓	ok RX	
R	158980	JC23826-8	95487-1	ABNTCL20+	W	12		X	/	/	ok	
BP 7/15/16 ③	158981	-9				13		X	/	/	ok	
R	158982	-10				14			/	/	ok	
	158983	JC23715-2A	RX95446-2	ABTCLP	W	15			/	/	ok	
	158984A	OP95446-LB17				16			/	/	ok	
	158985	JC24000-1A ~~JC23764-1~~	95575-1	ABTCLP	W	17			/	/	ok	

BP 7/15/16 ④

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

169

Form: OR015-07
Rev. Date: 1/19/16

7.6.11

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID EF6690

Print Analyst Name: Brittany Percy

Date: 07/15/2016

Analyst Signature: B.P.

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 169	

Columns: ZB-5MS® 30m x .25mm x .25µm

Method 8270D/625

Initial Cal. Method MF6644

Injection Volume: 1.0µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible]

Date: 7-18-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F158986	OP95575-LB2	95575-1	AB8270	W	18			/	/	dl	
	158987	OP95575-LS12	/MS			19			/	/	dl	
	158988	-MSD				20			/	/	dl	
	158989	JC23946-1	95566-1	ABPPL+TCDD		21			/	/	dl	625
	158990	JC23935-1		ABPPL+TCDD		22			/	/	dl	
	158991	JC23967-1		BPPL		23			/	/	dl	
	158992	JC23976-1		ABPPL+TCDD		24			/	/	dl	
	158993	OP95566-MS				25			/	/	dl	
	158994	-MSD				26			/	/	dl	
	158995	JC23764-1 BP	95574-1	FAAQC ABSL2	W	27			/	/	dl	Re-3526
	158996	-41				28			/	/	dl	Re-3526
	158997	JC23997-1		ABPPL		29			/	/	dl	
	158998	BP 7/15/16 JC240147-1		FAAQC ABSL2		30			/	/	dl	Re-3526
	158999	-2				31			/	/	dl	Re-3526
	159000	-3				32			/	/	dl	Re-3526
	159001	-4				33			/	/	dl	Re-3526
	159002	-5				34			/	/	dl	Re-3526

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

171

Form: OR015-07

Rev. Date: 1/19/16

7.6.11

7

SEMI-VOLATILE by GCMS ANALYSIS LOG

SGS ACCUTEST

Batch ID EF6690

Print Analyst Name: Brittany Piercy

Date: 07/15/2016

Analyst Signature: B.P.

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 165	

Columns: ZB-5MS@30m×.25mm×.25µm

Method 8270D/625

Initial Cal. Method MF1064P

Injection Volume: 1.0µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: dm

Date: 7-18-16

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F159003	JC24017-6	95574-1	FAAQC ABSL2	W	35			/	/	ok	Re-BSLE 625
	159004	JC23996-1		ABPPL		36			/	/	ok	
	159005	OP95574-MS		AB625		37			/	/	ok	
	159006	-MSD				38			/	/	ok	3:32pm ↓
	159007	OP95563-MB1	95563A1	AB8270	W	39			/	/	OK	Ran Before F158979
	159008	JC24003-2		BSIM 1,4DIOX		40			/	-	OK	Ran Before F158980
	159009	JC23826-2	95487-1	ABNJTCL20+	W	41	20		/	/	ok	Ran After "F158988"
	159010	-3				42	5		/	/	ok	6:53pm ↓
												BP 7/18/16

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

All strikeouts must be initialed, dated, and reason applied if not transcription error

Sample volume/weight used and final volumes refer to extraction log.

173

Form: OR015-07
Rev. Date: 1/19/16

ABN Aqueous Extraction Logbook

LOGBOOK ID: 6-1744

Date Started: 7/13/16 Time Started: 9:20pm

Date Finished: 7/13/16 Time Finished: 11:30pm

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):

Separatory Funnel: SW846 3510C/CLP/other √ 3510C SIM_____

Continuous Liquid Liquid: SW846 3520C/CLP/other_____

BATCH # MS 95563	RACK# B15
Extracted by:	SD
Concentrated by:	SD
Vialed by:	SD
Relinquished by:	ADC
Accepted by:	
Supervisor Review:	7/13/16

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Volume (mL)	pH Adjust(mL) <2 H2SO4	pH Adjust(mL) >11 NaOH	Final Extract Color	Final Extract Vol(mL)	Misc. GPC Cleanup	Misc. Comments
MB1	ABN		DiH2O	1000	1	4	Clear	1		
BS1	↓		DiH2O	1000	1	4	Yellow	1		
BSD ~~MS~~	↓		DiH2O	1000	1	4	Yellow	1		
MSD										
BS12	SIM		DiH2O	1000	1	4	Clear	1		
BSD12 ~~MS~~	↓		DiH2O	1000	1	4	Clear	1		
MSD										
1 JC24003-1	ABN	2	yellow	910	1	4	Clear	1		
2 -2	↓	2	yellow	910	1	4	Yellow	1		
3 -3	↓	2	yellow	910	1	4	Clear	1		
4 -4	↓	2	yellow	920	1	4	clear	1		
5 -5	↓	2	clear	1000	1	4	Clear	1		
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

WITNESS SIGN: SPIKE SIGN:

Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other:

Comments:

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	3.7	75.75	-0.0/0.1	74.2/75	N/A
Waterbath Chiller (GPM)	F2	0	—	—	2
NEVAP (32-38°C; LPM)	2	36.0	0.1	36.1	11

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	16177030	50 ppm	1

WITNESS SIGN: SD SPIKE SIGN: MP

MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid: 1.0mL
Acid (for SIM)	16193599	50 ppm	A(SIM): 0.1mL
Base #1	16193510 3	50ppm	1.0mL
Base #2	16193510 5	50ppm	1.0mL
Anilines	16193586	50ppm	1.0mL
BSIM	16177012	1ppm	1.0mL

WITNESS SIGN: SD SPIKE SIGN: MP

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	163534	Fisher	60/60mL

REAGENT	LOT #	BRAND
NaOH	157991	Fisher
H2SO4	46038551	Riccca
Sodium Sulfate	157477	Fisher
Glass Wool	05926	LAB
Filter Paper		
pH strips		

SGS ACCUTEST INC.
Form: OP022A-08
Rev Date: 1/13/16

57

[redacted]