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ENVIRONMENT

Ms. Jamie Verrigni
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 625 Broadway, 11th Floor
Albany, New York 12233-7014

Subject:
ISS Bench-Scale Treatability Study Report
Port Jervis Former MGP Site
City of Port Jervis, Orange County, New York
Site No. 3-36-049

Date:
June 28, 2011

Contact:
Andrew Corbin, P.E.

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Our ref:
B0043021

Dear Ms. Verrigni:

This letter summarizes the field activities performed by ARCADIS (on behalf of Orange and Rockland Utilities, Inc. [O&R]) on November 23, 2010 at the Port Jervis former manufactured gas plant (MGP) site and presents the results of the bench-scale treatability study performed to evaluate the use of in-situ stabilization (ISS) within a portion of the site. The scope of these activities was presented in a November 19, 2010 letter titled *Proposed Supplemental PDI Activities* (Work Plan), which was approved by the New York State Department of Environmental Conservation (NYSDEC) on November 19, 2010.

Field Activities

The primary goals of the field activities were to 1) gain additional information regarding the condition, dimensions, and contents of the foundation of former Gas Holder A and 2) collect samples for the ISS treatability study. The field activities were performed on November 23, 2010 within the O&R Operations Center and included the drilling of four soil borings, installation of one piezometer, and gauging of monitoring well MW1S. The soil boring locations (PDI-SUPP 1 through PDI-SUPP-4) and piezometer (PZ1) are shown on Figure 1 and soil boring/well construction logs are provided in Attachment A.

Soil Borings and Piezometer

The drilling and well installation work was performed by NYEG Drilling, LLC (NYEG) under the oversight of an ARCADIS geologist. A representative of the NYSDEC was also on-site to observe the field activities. Prior to initiating drilling activities, boring locations were hand-cleared to a depth of approximately 5 feet below ground surface (bgs) to facilitate the identification of potential utilities. Once hand-cleared, soil borings were drilled using hollow-stem auger (HSA) methods and soil sampling was performed using 3-inch diameter split spoon sampling devices. Each soil sample was visually characterized for soil type and the presence of non-aqueous phase liquid (NAPL). Soil cuttings from each boring location were field screened for the presence of volatile organic compound (VOC) vapors using a photoionization detector (PID) and were subsequently stored in new 55-gallon drums within the limits of the O&R Operations Center.

Soil borings PDI-SUPP-1 and PDI-SUPP-2 were drilled within the limits of the foundation of former Gas Holder A and were advanced to the foundation floor, which was encountered at a depth of approximately 14 feet bgs. As indicated in the boring logs for these locations, soils at the bottom of the holder foundation were heavily impacted with NAPL.

Soil borings PDI-SUPP-3 and PDI-SUPP-4 were drilled outside of the foundation of former Gas Holder A and were each advanced to a depth of approximately 29 feet bgs. At these locations, soil samples were collected continuously between approximately 15 and 29 feet bgs. Observations at soil borings PDI-SUPP-3 and PDI-SUPP-4 were generally consistent with those made in April 2010 during the drilling of soil borings PDI-SB5 and PDI-SB2, respectively, and included moderate to heavy impacts of brown and yellow-brown NAPL below approximately 17 feet bgs. Representative soil samples from PDI-SUPP-3 and PDI-SUPP-4 were collected, homogenized, placed into 5-gallon buckets, and shipped to the ARCADIS laboratory in Durham, North Carolina for the ISS treatability study. Approximately 3 gallons of potable (municipal) water was also collected while on-site and shipped to the ARCADIS laboratory.

As shown on Figure 1 and the boring logs (Attachment A), piezometer PZ1 was constructed at soil boring location PDI-SUPP-3 with 1-inch Schedule 40 PVC and was screened between 10 and 25 feet bgs.

Well Gauging

While on-site, monitoring well MW1S was gauged and accumulated NAPL (approximately 0.06 gallons) was removed along with approximately 3 gallons of groundwater. The NAPL-groundwater mixture was placed in a 5-gallon bucket and stored on-site within a 55-gallon drum. Additional information regarding the well gauging and NAPL bailing activities at the site is provided in the June 2011 *PDI Status Report for NAPL and Groundwater/Hydrogeologic Assessments*.

Community Air Monitoring

Community air monitoring was performed during the field investigation to provide real-time measurements of total airborne VOCs and particulate matter less than 10 microns in diameter (PM_{10}) at the downwind perimeter of the work area. The community air monitoring procedures and action levels for total VOCs and PM_{10} were set forth in the NYSDEC-approved *Community Air Monitoring Plan* (CAMP), which was included as Appendix E of the *Remedial Design Work Plan* (RD Work Plan; ARCADIS 2010). Community air monitoring stations (one upwind and one downwind location) were established at the start of the work day based on the predominant wind direction and general location of work activities at the site. Each monitoring station included a PID and dust meter equipped with data logging capabilities. The action levels for total VOCs and PM_{10} were not exceeded during the field investigation.

Handling/Management of Investigation-Derived Waste

Investigation-derived waste (IDW) generated during the field investigation was stored within the limits of the O&R Operations Center and included: 1) soil cuttings from the hand-clearing and drilling activities; 2) decontamination wash-water; 3) personal protective equipment and plastic sheeting (from the decontamination pad); and 4) NAPL (removed from monitoring well MW1S). IDW was stored in appropriately labeled 55-gallon drums and transported off-site for proper disposal on December 17, 2010.

ISS Bench-Scale Treatability Study

The objective of the bench-scale treatability study was to identify a technically appropriate and cost-effective mix design that would 1) reduce the potential mobility of NAPL through solidification/stabilization and 2) demonstrate chemical compatibility with the site constituents of concern (COCs). Each potential mix design was subject to geotechnical and chemical testing to evaluate its effectiveness in meeting these criteria.

The treatability study was designed to simulate (to the extent practicable) the potential full-scale remedial process by using: 1) MGP-impacted soil collected at the site; 2) municipal (potable) water available at the site; and 3) regionally available reagents.

Baseline Testing

Untreated samples of the soil homogenate were submitted to Hampton ClarkeVeritech, Inc. (HCV) and Geotechnics, Inc. (Geotechnics) for the following baseline chemical and geotechnical analyses, respectively:

- VOCs by EPA SW-846 Method 8260;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270;
- RCRA metals by EPA SW-846 Methods 6010 and 7471;
- Soil classification by ASTM D2487;
- Loss on ignition by ASTM D2974;
- Grain size by ASTM D422;
- Atterberg limits by ASTM D4318; and
- Moisture content by ASTM D2216.

The results of the chemical analyses are summarized in Table 1 and the chemical and geotechnical laboratory data reports are provided in Attachment B (on CD).

Samples of the untreated soil homogenate were also leached by HCV over a 24-hour period in deionized water using a modified version of EPA Method 1312 (Synthetic Precipitation Leaching Procedure [SPLP]) and American Nuclear Society Standard 16.1-1986 (ANS 16.1). The modified leaching procedure is described in the ARCADIS Standard Operating Procedure (SOP) provided in Attachment C. This SOP was originally submitted (electronically) to NYSDEC on December 9, 2010 and has since been revised to address NYSDEC comments dated December 15, 2010. After 24 hours, the soil leachate was poured off and analyzed for VOCs, SVOCs, and RCRA metals. The results of those analyses are summarized in Table 2.

A sample of the potable water was also submitted to HCV for testing. The properties of the water were as follows:

Parameter	Units	Result
Hardness	mg/L as $CaCO_3$	15
pH	S.U.	7.2
Total Dissolved Solids	mg/L	47

Mix Designs

The mix designs were prepared at the ARCADIS Durham, North Carolina laboratory using the soil homogenate, potable water, and admixtures containing different percentages of Portland cement, bentonite clay, and blast furnace slag (BFS) cement. The reagents and percentages for each admixture were selected based on previous project experience at former MGP sites.

Portland cement is the same cement widely used in highway and building construction. Bentonite clay, a colloid clay with excellent swelling/sealing properties, is mined in Wyoming and widely used in impermeable soil barriers and a variety of other industries. BFS is a by-product of steel manufacturing that is ground to cement size for grouting applications. BFS cement forms more and stronger bonds than Portland cement, but requires an activator, such as lime (e.g., Portland cement), to initiate solidification. The advantage of BFS cement (when combined with Portland cement) is that it can produce stronger and more impermeable materials than Portland cement alone.

The reagents used in the bench-scale treatability study were obtained from the following sources:

Reagent	Brand/Trade Name or Type	Supplier/Manufacturer	Location
Portland Cement	Type I-II	Lafarge North America, Inc. (Lakes and Seaway Region)	Oswego, NY
Bentonite Clay	Hydrogel®	Wyo-Ben, Inc.	Greybull, WY
BFS Cement	NewCem®	Lafarge North America, Inc. (Lakes and Seaway Region)	Oswego, NY

For each mix design, the soil and admixture were thoroughly blended together with a minimum volume of potable water to create a self-leveling soil slurry in the approximate consistency of masonry mortar. Molds were prepared from the resulting slurry and allowed to cure at the ARCADIS laboratory in sealed containers under indoor ambient temperature and humidity.

To evaluate their effectiveness in reducing the potential mobility of NAPL, mix designs were tested at seven and 28 days for unconfined compressive strength (UCS) by ASTM D1633 and hydraulic conductivity (permeability) by ASTM D5084. The design objectives for the treated soil matrix were to achieve a 28-day UCS between 50 and 500 pounds per square inch (psi) and a maximum 28-day permeability of $1x10^{-6}$ centimeters per second (cm/sec).

Initial (Phase I) Mix Designs

Four mix designs (ISS1 through ISS4) were initially prepared using the following admixtures:

Mix Design	Admixture (% by Dry Weight)		
	Portland Cement	Bentonite	BFS Cement
ISS1	0.5%	0.5%	7.0%
ISS2	0.75%	0.5%	5.25%
ISS3	1.5%	0.5%	7.0%
ISS4	10%	0.5%	0.0%

Mix designs ISS2 through ISS4 were tested by Geotechnics at seven and 28 days for UCS and permeability. Mix design ISS1 had not cured sufficiently after seven days and was only tested at 28 days for UCS and permeability. The seven- and 28-day test results are summarized in Table 3 and show that two of the initial mix designs (ISS3 and ISS4) achieved the UCS and permeability design objectives.

Following receipt of the 28-day UCS results, additional molds were prepared for mix design ISS3 and re-tested at seven days to confirm/verify the initial seven-day UCS results. The additional seven-day UCS results for mix design ISS3 are also summarized in Table 3 and show a slight increase in strength over the initial seven-day UCS results.

Additional (Phase II) Mix Designs

The seven-day UCS results for the initial mix designs indicated (at the time) that mix designs ISS1 through ISS3 may not achieve the UCS design objective. Accordingly, two additional mix designs (ISS5 and ISS6) were prepared and tested while awaiting the 28-day UCS results for mix designs ISS1 through ISS4. The mix designs for ISS5 and ISS6 were optimized from the mix design for ISS4 (which achieved the highest seven-day UCS result) and were created using the following percentages of Portland and BFS cement:

Mix Design	Admixture (% by Dry Weight)		
	Portland Cement	Bentonite	BFS Cement
ISS5	7.0%	0.5%	0.0%
ISS6	3.5%	0.5%	7.5%

Consistent with the initial mix designs, mix designs ISS5 and ISS6 were tested by Geotechnics at seven and 28 days for UCS and permeability. The seven- and 28-day test results are summarized in Table 3 and show that both ISS5 and ISS6 achieved the desired UCS and permeability design objectives.

Monolith Leaching

Of the four mix designs (ISS3 through ISS6) that met the UCS and permeability design objectives, ISS3 and ISS6 were selected for leaching and analysis to determine their effectiveness in reducing the leachability of COCs. Mix design ISS4 was not selected due to its high early (seven-day) strength, which could 1) affect the workability of the soil-grout mixture in the field (during construction) and 2) limit the potential for re-mixing ISS areas (if needed). Mix design ISS5 was not selected due to its anomalous UCS results (28-day strength was slightly less than the seven-day strength).

Monoliths for mix designs ISS3 and ISS6 were submitted to HCV for leaching and analysis in accordance with the ARCADIS SOP (Attachment C). Each monolith underwent 20 24-hour leaching cycles and the leachate from the first (i.e., day 1) and every fifth leaching cycle (i.e., days 5, 10, 15, and 20) was analyzed for VOCs, SVOCs, and RCRA metals. The leachate results for the ISS3 and ISS6 monoliths are summarized in Table 2 with the leachate results for the baseline (untreated) soil. Table 2 also identifies the Class GA groundwater standards and guidance values (where available) from the NYSDEC's Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, titled *Ambient Water Quality Standards and Guidance Values* (NYSDEC 1998). Copies of the laboratory data reports are provided in Attachment B (on CD).

As indicated in Table 2, concentrations of benzene, ethylbenzene, toluene, and xylenes (collectively, BTEX) decreased rapidly and were not detected above their respective Class GA groundwater standards after the first (day 1) leaching cycle. 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, and p-isopropyltoluene were also detected in the baseline soil leachates at concentrations greater than their Class GA groundwater standard of 5 micrograms per liter (ug/L). With the exception of 1,2,4-trimethylbenzene, none of these constituents were detected in the monolith leachates at concentrations greater than 5 ug/L. 1,2,4-

trimethylbenzene was detected at a concentration of 5.3 ug/L in the day 1 leachate of the ISS3 monolith, but at concentrations less than 5 ug/L in the subsequent leachates for this monolith.

Methylene chloride, which is not a site COC, was consistently detected in the baseline soil and monolith leachates at concentrations exceeding its Class GA groundwater standard of 5 ug/L. As documented in the HCV laboratory reports (Attachment B), these methylene chloride detections were the result of laboratory contamination, not the samples themselves.

Seven polycyclic aromatic hydrocarbons (PAHs) – namely, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene – were detected in the baseline soil leachates at concentrations greater than their respective Class GA groundwater standards or guidance values. With the exception of naphthalene, these PAHs were detected at J-qualified (estimated) concentrations ranging from 0.23 ug/L to 1.1 ug/L. Naphthalene was detected in the baseline soil leachates at the highest concentrations of any PAH (100 ug/L and 74 ug/L in the two baseline samples).

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and naphthalene were also detected in the monolith leachates at concentrations greater than their respective Class GA groundwater standards or guidance values. Benzo(a)anthracene, benzo(b)fluoranthene, and chrysene, which each have a Class GA groundwater guidance value of 0.002 ug/L, were detected in certain monolith leachates at estimated concentrations ranging from 0.21 ug/L to 0.44 ug/L. These estimated concentrations were generally consistent with the estimated concentrations observed in the baseline soil leachates. Benzo(a)pyrene, which has a Class GA groundwater standard of “non-detect”, was detected in the day 20 leachate of both the ISS3 and ISS6 monoliths at estimated concentrations of 0.28 ug/L and 0.23 ug/L, respectively.

Naphthalene was detected in the ISS3 and ISS6 monolith leachates at initial (day 1) concentrations of 98 ug/L and 92 ug/L, respectively, and at successively lower concentrations in each leaching cycle thereafter. The final (day 20) naphthalene concentration was 29 ug/L in both the ISS3 and ISS6 monolith leachate, but was still greater than the Class GA groundwater guidance value of 10 ug/L.

Volume Increase of Treated Soil

The addition of Portland cement, bentonite, and BFS cement to the MGP soil matrix causes the mixture to expand during curing. This volume increase must be accounted for during field-scale implementation to prevent an unacceptable amount of mounding above the current ground surface. The volume increase or "bulking" of treated soils was calculated using the following formula[1]:

$$\text{Bulking Factor} = (1 + R) * \frac{D_{in\text{-}situ}}{D_{treated}} * \frac{1 + MC_{treated}}{1 + MC_{in\text{-}situ}} - 1$$

R = Dry weight ratio of solidifying agent to waste

$D_{in\text{-}situ}$ = Bulk unit weight of in-situ waste

$D_{treated}$ = Bulk unit weight of compacted, treated material

$MC_{in\text{-}situ}$ = Moisture content of in-situ waste

$MC_{treated}$ = Moisture content of treated material

The calculation yielded an expected bulking factor of between 6% and 14% for mix designs ISS3 and ISS6.

Conclusions

The data generated during the ISS treatability study indicates that the solidification/stabilization of NAPL at the site is technically feasible. Physical encapsulation or solidification will further decrease the concentration of MGP-related compounds partitioning to groundwater and the potential for NAPL mobilization to off-site areas. Mix designs ISS3 and ISS6 meet or exceed the UCS and permeability design objectives and reduce the leachability of most site COCs. However, upon further evaluation and consideration of the implementation risks, O&R has decided not to proceed with the ISS design. O&R will implement the excavation remedy as stipulated in the ROD.

[1] Department of the Army, U.S. Army Corps of Engineers. Engineering and Design, Treatability Studies for Solidification/Stabilization of Contaminated Material. February 28, 1995, Technical Letter No. 1110-1-158.

Please feel free to contact Maribeth McCormick of O&R at 845.783.5534 with any questions or comments regarding the enclosed documents.

Sincerely,

ARCADIS of New York, Inc.

Andrew Corbin, P.E.
Principal Engineer

Enclosures:

Tables

1 Baseline Soil Data
2 Baseline Soil and Monolith Leachate Data
3 Unconfined Compressive Strength and Permeability Data

Figure

1 Investigation Locations

Attachments

A Soil Boring/Well Construction Logs
B Laboratory Data Reports (provided on CD)
C ARCADIS SOP for Monolith Leaching

Copies:

George Heitzman, P.E., NYSDEC*
Kristin Kulow, NYSDOH*
Maribeth McCormick, O&R
Margaret Carrillo-Sheridan, P.E., ARCADIS
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ARCADIS

Tables

TABLE 1

BASELINE SOIL DATA
ISS BENCH-SCALE TREATABILITY STUDY REPORT

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC. - PORT JERVIS, NEW YORK

Location ID: Date Collected: Sample Name:	Units	PJ Baseline-1 12/21/10 PJ Baseline-1	PJ Baseline-2 12/21/10 PJ Baseline-2
Volatile Organics (EPA SW-846 Method 8260B)			
1,1,1-Trichloroethane	mg/kg	ND(1.1)	ND(1.1)
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.56)	ND(0.56)
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	ND(1.1)	ND(1.1)
1,1,2-Trichloroethane	mg/kg	ND(1.1)	ND(1.1)
1,1-Dichloroethane	mg/kg	ND(1.1)	ND(1.1)
1,1-Dichloroethene	mg/kg	ND(1.1)	ND(1.1)
1,2,3-Trichloropropane	mg/kg	ND(1.1)	ND(1.1)
1,2,4-Trimethylbenzene	mg/kg	21	22
1,2-Dichlorobenzene	mg/kg	ND(1.1)	ND(1.1)
1,2-Dichloroethane	mg/kg	ND(0.56)	ND(0.56)
1,2-Dichloropropane	mg/kg	ND(1.1)	ND(1.1)
1,3,5-Trimethylbenzene	mg/kg	6.4	6.5
1,3-Dichlorobenzene	mg/kg	ND(1.1)	ND(1.1)
1,3-Dichloropropane	mg/kg	ND(1.1)	ND(1.1)
1,4-Dichlorobenzene	mg/kg	ND(1.1)	ND(1.1)
1,4-Dioxane	mg/kg	ND(56)	ND(56)
2-Butanone	mg/kg	ND(1.1)	ND(1.1)
2-Chloroethylvinylether	mg/kg	ND(1.1)	ND(1.1)
2-Hexanone	mg/kg	ND(1.1)	ND(1.1)
4-Methyl-2-pentanone	mg/kg	ND(1.1)	ND(1.1)
Acetone	mg/kg	ND(5.6)	ND(5.6)
Acrolein	mg/kg	ND(5.6)	ND(5.6)
Acrylonitrile	mg/kg	ND(2.3)	ND(2.2)
Benzene	mg/kg	0.57	ND(0.56)
Bromodichloromethane	mg/kg	ND(0.56)	ND(0.56)
Bromoform	mg/kg	ND(1.1)	ND(1.1)
Bromomethane	mg/kg	ND(1.1)	ND(1.1)
Carbon Disulfide	mg/kg	ND(1.1)	ND(1.1)
Carbon Tetrachloride	mg/kg	ND(1.1)	ND(1.1)
Chlorobenzene	mg/kg	ND(1.1)	ND(1.1)
Chloroethane	mg/kg	ND(1.1)	ND(1.1)
Chloroform	mg/kg	ND(1.1)	ND(1.1)
Chloromethane	mg/kg	ND(1.1)	ND(1.1)
cis-1,2-Dichloroethene	mg/kg	ND(1.1)	ND(1.1)
cis-1,3-Dichloropropene	mg/kg	ND(1.1)	ND(1.1)
Dibromochloromethane	mg/kg	ND(1.1)	ND(1.1)
Dichlorodifluoromethane	mg/kg	ND(1.1)	ND(1.1)
Ethylbenzene	mg/kg	8.5	9.1
Isopropylbenzene	mg/kg	2.2	2.2
m&p-Xylenes	mg/kg	18	17
Methyl tert-butyl ether	mg/kg	ND(0.56)	ND(0.56)
Methylene Chloride	mg/kg	ND(1.1)	ND(1.1)
n-Butylbenzene	mg/kg	ND(1.1)	0.99 J
n-Propylbenzene	mg/kg	0.75 J	0.68 J
o-Xylene	mg/kg	10	11
p-Isopropyltoluene	mg/kg	2.2	2.6
sec-Butylbenzene	mg/kg	ND(1.1)	0.55 J
Styrene	mg/kg	ND(1.1)	ND(1.1)
tert-Butylbenzene	mg/kg	ND(1.1)	ND(1.1)
Tertiary butyl alcohol	mg/kg	ND(5.6)	ND(5.6)
Tetrachloroethene	mg/kg	ND(1.1)	ND(1.1)
Toluene	mg/kg	2.0	1.6
trans-1,2-Dichloroethene	mg/kg	ND(1.1)	ND(1.1)
trans-1,3-Dichloropropene	mg/kg	ND(1.1)	ND(1.1)
Trichloroethene	mg/kg	ND(1.1)	ND(1.1)
Trichlorofluoromethane	mg/kg	ND(1.1)	ND(1.1)
Vinyl Chloride	mg/kg	ND(1.1)	ND(1.1)
Xylenes (total)	mg/kg	28	28

TABLE 1

BASELINE SOIL DATA
ISS BENCH-SCALE TREATABILITY STUDY REPORT

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC. - PORT JERVIS, NEW YORK

Location ID: Date Collected: Sample Name:	Units	PJ Baseline-1 12/21/10 PJ Baseline-1	PJ Baseline-2 12/21/10 PJ Baseline-2
Semivolatile Organics (EPA SW-846 Method 8270C)			
1,2-Diphenylhydrazine	mg/kg	ND(3.8)	ND(3.8)
2,4,5-Trichlorophenol	mg/kg	ND(3.8)	ND(3.8)
2,4,6-Trichlorophenol	mg/kg	ND(3.8)	ND(3.8)
2,4-Dichlorophenol	mg/kg	ND(3.8)	ND(3.8)
2,4-Dimethylphenol	mg/kg	ND(3.8)	ND(3.8)
2,4-Dinitrophenol	mg/kg	ND(19)	ND(19)
2,4-Dinitrotoluene	mg/kg	ND(3.8)	ND(3.8)
2,6-Dinitrotoluene	mg/kg	ND(3.8)	ND(3.8)
2-Chloronaphthalene	mg/kg	ND(3.8)	ND(3.8)
2-Chlorophenol	mg/kg	ND(3.8)	ND(3.8)
2-Methylnaphthalene	mg/kg	190	220
2-Methylphenol	mg/kg	ND(3.8)	ND(3.8)
2-Nitroaniline	mg/kg	ND(3.8)	ND(3.8)
2-Nitrophenol	mg/kg	ND(3.8)	ND(3.8)
3&4-Methylphenol	mg/kg	ND(3.8)	ND(3.8)
3,3'-Dichlorobenzidine	mg/kg	ND(3.8)	ND(3.8)
3-Nitroaniline	mg/kg	ND(3.8)	ND(3.8)
4,6-Dinitro-2-methylphenol	mg/kg	ND(3.8)	ND(3.8)
4-Bromophenyl-phenylether	mg/kg	ND(3.8)	ND(3.8)
4-Chloro-3-Methylphenol	mg/kg	ND(3.8)	ND(3.8)
4-Chloroaniline	mg/kg	ND(19)	ND(19)
4-Chlorophenyl-phenylether	mg/kg	ND(3.8)	ND(3.8)
4-Nitroaniline	mg/kg	ND(3.8)	ND(3.8)
4-Nitrophenol	mg/kg	ND(3.8)	ND(3.8)
Acenaphthene	mg/kg	75	85
Acenaphthylene	mg/kg	13	14
Aniline	mg/kg	ND(3.8)	ND(3.8)
Anthracene	mg/kg	35	40
Benzidine	mg/kg	ND(19)	ND(19)
Benzo(a)anthracene	mg/kg	18	20
Benzo(a)pyrene	mg/kg	14	16
Benzo(b)fluoranthene	mg/kg	11	12
Benzo(g,h,i)perylene	mg/kg	6.2	8.0
Benzo(k)fluoranthene	mg/kg	4.1	4.0
Benzoic Acid	mg/kg	ND(19)	ND(19)
bis(2-Chloroethoxy)methane	mg/kg	ND(3.8)	ND(3.8)
bis(2-Chloroethyl)ether	mg/kg	ND(3.8)	ND(3.8)
bis(2-Chloroisopropyl)ether	mg/kg	ND(19)	ND(19)
bis(2-Ethylhexyl)phthalate	mg/kg	ND(3.8)	ND(3.8)
Butylbenzylphthalate	mg/kg	ND(3.8)	ND(3.8)
Carbazole	mg/kg	0.64 J	0.70 J
Chrysene	mg/kg	17	19
Dibenzo(a,h)anthracene	mg/kg	2.0 J	1.7 J
Dibenzofuran	mg/kg	4.0	4.4
Diethylphthalate	mg/kg	ND(3.8)	ND(3.8)
Dimethylphthalate	mg/kg	ND(3.8)	ND(3.8)
Di-n-Butylphthalate	mg/kg	ND(3.8)	ND(3.8)
Di-n-Octylphthalate	mg/kg	ND(3.8)	ND(3.8)
Fluoranthene	mg/kg	31	35
Fluorene	mg/kg	40	46
Hexachlorobenzene	mg/kg	ND(3.8)	ND(3.8)
Hexachlorobutadiene	mg/kg	ND(3.8)	ND(3.8)
Hexachlorocyclopentadiene	mg/kg	ND(19)	ND(19)
Hexachloroethane	mg/kg	ND(3.8)	ND(3.8)
Indeno(1,2,3-cd)pyrene	mg/kg	4.8	5.7
Isophorone	mg/kg	ND(3.8)	ND(3.8)
Naphthalene	mg/kg	250	280
Nitrobenzene	mg/kg	ND(3.8)	ND(3.8)

TABLE 1

BASELINE SOIL DATA
ISS BENCH-SCALE TREATABILITY STUDY REPORT

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC. - PORT JERVIS, NEW YORK

Location ID: Date Collected: Sample Name:	Units	PJ Baseline-1 12/21/10 PJ Baseline-1	PJ Baseline-2 12/21/10 PJ Baseline-2
Semivolatile Organics (EPA SW-846 Method 8270C)			
N-Nitrosodimethylamine	mg/kg	ND(3.8)	ND(3.8)
N-Nitroso-di-n-propylamine	mg/kg	ND(3.8)	ND(3.8)
N-Nitrosodiphenylamine	mg/kg	ND(3.8)	ND(3.8)
Pentachlorophenol	mg/kg	ND(19)	ND(19)
Phenanthrene	mg/kg	120	130
Phenol	mg/kg	ND(3.8)	ND(3.8)
Pyrene	mg/kg	53	62
Inorganics (EPA SW-846 Methods 6010B and 7471A)			
Arsenic	mg/kg	3.50	4.00
Barium	mg/kg	46.0 B	44.0 B
Cadmium	mg/kg	ND(0.680)	ND(0.680)
Chromium	mg/kg	14.0	15.0
Lead	mg/kg	13.0	13.0
Mercury	mg/kg	ND(0.0950)	ND(0.0950)
Selenium	mg/kg	ND(2.00)	ND(2.00)
Silver	mg/kg	ND(1.70)	ND(1.70)

Notes:
1. mg/kg - Milligrams per kilogram.
2. ND - Analyte was not detected. The number in parentheses is the associated Method Detection Limit (MDL).

Data Qualifiers:
B - Analyte was present in the Method Blank and sample.
J - Concentration is below the Reporting Limit (RL) but above the MDL. The concentration reported is an estimate.

TABLE 2

BASELINE SOIL AND MONOLITH LEACHATE DATA
ISS BENCH-SCALE TREATABILITY STUDY REPORT

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC. - PORT JERVIS, NEW YORK

Location ID:		New York State Ambient	Baseline (Untreated) Soil		ISS3 Monolith					ISS6 Monolith				
Date Collected:		Groundwater Standard or	12/21/10	12/21/10	02/11/11	02/15/11	02/20/11	02/25/11	03/02/11	02/11/11	02/15/11	02/20/11	02/25/11	03/02/11
Sample Name:	Units	Guidance Value[1]	PJ Baseline-1	PJ Baseline-2	Day 1 Leachate	Day 5 Leachate	Day 10 Leachate	Day 15 Leachate	Day 20 Leachate	Day 1 Leachate	Day 5 Leachate	Day 10 Leachate	Day 15 Leachate	Day 20 Leachate
Volatile Organics (Modified SPLP)														
1,1,1-Trichloroethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2,2-Tetrachloroethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	5	ND(1)	1.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1,2-Trichloroethane	ug/L	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-Dichloroethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,1-Dichloroethene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,3-Trichloropropane	ug/L	0.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2,4-Trimethylbenzene	ug/L	5	99	96	5.3	2	1.5	1.3	2.3	ND(1)	ND(1)	1.6	ND(1)	3.6
1,2-Dichlorobenzene	ug/L	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,2-Dichloroethane	ug/L	0.6	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
1,2-Dichloropropane	ug/L	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3,5-Trimethylbenzene	ug/L	5	27	29	1.4	0.65 J	0.63 J	ND(1)	0.79 J	ND(1)	ND(1)	0.67 J	ND(1)	1.3
1,3-Dichlorobenzene	ug/L	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,3-Dichloropropane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,4-Dichlorobenzene	ug/L	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
1,4-Dioxane	ug/L	--	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2-Butanone	ug/L	50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-Chloroethylvinylether	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
2-Hexanone	ug/L	50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
4-Methyl-2-pentanone	ug/L	--	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Acetone	ug/L	50	28	23	ND(5)	ND(5)	17	14	22	ND(5)	ND(5)	16	18	37
Acrolein	ug/L	5	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Acrylonitrile	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Benzene	ug/L	1	7.4	3.8	1.3	0.65	0.41 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.41 J	ND(0.5)	ND(0.5)
Bromodichloromethane	ug/L	50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Bromoform	ug/L	50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Bromomethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Carbon Disulfide	ug/L	60	ND(1)	ND(1)	2.5	1.9	0.38 J	ND(1)	ND(1)	ND(1)	1.6	0.43 J	ND(1)	ND(1)
Carbon Tetrachloride	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chlorobenzene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Chloroform	ug/L	7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	0.9 J	ND(1)	ND(1)	ND(1)	ND(1)	0.67 J
Chloromethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
cis-1,2-Dichloroethene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
cis-1,3-Dichloropropene	ug/L	0.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Dibromochloromethane	ug/L	50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Dichlorodifluoromethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Ethylbenzene	ug/L	5	54	46	5.8	2.6	1.9	1.3	2.2	ND(1)	ND(1)	2.2	ND(1)	2.7
Isopropylbenzene	ug/L	5	7.3	7.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	0.44 J
m&p-Xylenes	ug/L	See Note 6	120	100	7.3	2.9	2	1.5	2.4	ND(1)	ND(1)	2.6	1.1	3.5
Methyl tert-butyl ether	ug/L	10	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Methylene Chloride	ug/L	5	260	28	7.8	16	ND(1)	10	17	120	230	740	130	320
n-Butylbenzene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
n-Propylbenzene	ug/L	5	1.3	1.3	ND(1)	ND(1)	ND(1)	ND(1)	0.34 J	ND(1)	ND(1)	ND(1)	ND(1)	0.45 J
o-Xylene	ug/L	5	91	70	4.3	1.6	1.3	0.73 J	1	ND(1)	ND(1)	1.7	ND(1)	1.8
p-Isopropyltoluene	ug/L	5	5	6.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
sec-Butylbenzene	ug/L	5	ND(1)	0.57 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Styrene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.2	0.6 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
tert-Butylbenzene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Tertiary butyl alcohol	ug/L	--	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Tetrachloroethene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(1)
Toluene	ug/L	5	20	13	1.5	0.69 J	0.46 J	0.64 J	ND(1)	ND(1)	ND(1)	0.54 J	0.52 J	0.49 J
trans-1,2-Dichloroethene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
trans-1,3-Dichloropropene	ug/L	0.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichloroethene	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	0.55 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Trichlorofluoromethane	ug/L	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Vinyl Chloride	ug/L	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Xylenes (total)	ug/L	See Note 6	211	170	11.6	4.5	3.3	2.23	3.4	ND(1)	ND(1)	4.3	1.1	5.3
Semivolatile Organics (Modified SPLP)														
1,2-Diphenylhydrazine	ug/L	ND	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2,4,5-Trichlorophenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2,4,6-Trichlorophenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2,4-Dichlorophenol	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2,4-Dimethylphenol	ug/L	50	1.7 J	1.4 J	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-Dinitrophenol	ug/L	10	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-Dinitrotoluene	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2,6-Dinitrotoluene	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2-Chloronaphthalene	ug/L	10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2-Chlorophenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2-Methylnaphthalene	ug/L	--	16	11	33	16	14	12	13	24	13	14	13	12
2-Methylphenol	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2-Nitroaniline	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
2-Nitrophenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)

TABLE 2

BASELINE SOIL AND MONOLITH LEACHATE DATA
ISS BENCH-SCALE TREATABILITY STUDY REPORT

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC. - PORT JERVIS, NEW YORK

Location ID:		New York State Ambient	Baseline (Untreated) Soil		ISS3 Monolith					ISS6 Monolith				
Date Collected:		Groundwater Standard or	12/21/10	12/21/10	02/11/11	02/15/11	02/20/11	02/25/11	03/02/11	02/11/11	02/15/11	02/20/11	02/25/11	03/02/11
Sample Name:	Units	Guidance Value[1]	PJ Baseline-1	PJ Baseline-2	Day 1 Leachate	Day 5 Leachate	Day 10 Leachate	Day 15 Leachate	Day 20 Leachate	Day 1 Leachate	Day 5 Leachate	Day 10 Leachate	Day 15 Leachate	Day 20 Leachate
Semivolatile Organics (Modified SPLP)														
3&4-Methylphenol	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
3,3'-Dichlorobenzidine	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
3-Nitroaniline	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4,6-Dinitro-2-methylphenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-Bromophenyl-phenylether	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-Chloro-3-Methylphenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-Chloroaniline	ug/L	5	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-Chlorophenyl-phenylether	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-Nitroaniline	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
4-Nitrophenol	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Acenaphthene	ug/L	20	6.5	5.7	12	6.7	5.3	4.7	5.2	9.7	5.8	5.5	5.2	5.1
Acenaphthylene	ug/L	--	2.2	1.4 J	ND(2)	0.73 J	0.58 J	0.52 J	0.73 J	ND(2)	0.34 J	0.6 J	0.62 J	0.73 J
Aniline	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Anthracene	ug/L	50	0.45 J	ND(2)	ND(2)	1.2 J	0.92 J	0.71 J	0.87 J	ND(2)	0.66 J	0.83 J	0.68 J	0.76 J
Benzidine	ug/L	5	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzo(a)anthracene	ug/L	0.002	0.28 J	ND(2)	ND(2)	0.29 J	0.37 J	0.24 J	0.44 J	ND(2)	0.21 J	0.26 J	0.33 J	0.31 J
Benzo(a)pyrene	ug/L	ND	1.1 J	0.44 J	ND(2)	ND(2)	ND(2)	ND(2)	0.28 J	ND(2)	ND(2)	ND(2)	ND(2)	0.23 J
Benzo(b)fluoranthene	ug/L	0.002	0.59 J	0.23 J	ND(2)	ND(2)	ND(2)	ND(2)	0.24 J	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Benzo(g,h,i)perylene	ug/L	--	0.78 J	0.39 J	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Benzo(k)fluoranthene	ug/L	0.002	0.51 J	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Benzoic Acid	ug/L	--	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(2)	ND(10)	ND(10)	ND(10)	ND(10)	ND(2)
bis(2-Chloroethoxy)methane	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
bis(2-Chloroethyl)ether	ug/L	1	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
bis(2-Chloroisopropyl)ether	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
bis(2-Ethylhexyl)phthalate	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Butylbenzylphthalate	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Carbazole	ug/L	--	ND(2)	ND(2)	ND(2)	0.27 J	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Chrysene	ug/L	0.002	0.42 J	ND(2)	ND(2)	0.21 J	0.22 J	ND(2)	0.34 J	ND(2)	ND(2)	ND(2)	ND(2)	0.24 J
Dibenzo(a,h)anthracene	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Dibenzofuran	ug/L	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Diethylphthalate	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Dimethylphthalate	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Di-n-Butylphthalate	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Di-n-Octylphthalate	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Fluoranthene	ug/L	50	ND(2)	ND(2)	ND(2)	0.87 J	0.82 J	0.58 J	0.91 J	ND(2)	0.55 J	0.6 J	0.63 J	0.75 J
Fluorene	ug/L	50	1.6 J	1.3 J	5.5	3.3	2.3	2 J	2.8	3.7	2.6	2.2	2 J	2.5
Hexachlorobenzene	ug/L	0.04	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Hexachlorobutadiene	ug/L	0.5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Hexachlorocyclopentadiene	ug/L	5	ND(10)	ND(10)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Hexachloroethane	ug/L	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Indeno(1,2,3-cd)pyrene	ug/L	0.002	0.58 J	0.3 J	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Isophorone	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Naphthalene	ug/L	10	100	74	98	45	36	31	29	92	40	37	31	29
Nitrobenzene	ug/L	0.4	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
N-Nitrosodimethylamine	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
N-Nitroso-di-n-propylamine	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
N-Nitrosodiphenylamine	ug/L	50	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Pentachlorophenol	ug/L	1	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(2)	ND(10)	ND(10)	ND(10)	ND(10)	ND(2)
Phenanthrene	ug/L	50	1.4 J	0.97 J	9.4	6.2	5.2	4.1	5	7.9	4.6	4.5	4.3	4.7
Phenol	ug/L	1	1 J	0.78 J	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Pyrene	ug/L	50	ND(2)	ND(2)	ND(2)	1.3 J	1.1 J	0.87 J	1.3 J	ND(2)	0.6 J	0.84 J	0.89 J	1 J
Inorganics (Modified SPLP)														
Arsenic	ug/L	25	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)
Barium	ug/L	1,000	180 JB	140 JB	18 JB	6.9 JB	5.2 J	5 JB	7.1 J	23 JB	9.8 JB	5.2 J	6.4 JB	5.2 J
Cadmium	ug/L	5	ND(50)	ND(50)	1.6 JB	1 JB	ND(50)	1 JB	ND(50)	1.2 JB	0.82 JB	ND(50)	0.94 JB	ND(50)
Chromium	ug/L	50	3.5 J	1.3 J	7.1 JB	1.1 JB	1.6 JB	0.75 JB	0.79 J	4.5 JB	1.6 JB	3 JB	1.8 JB	ND(200)
Lead	ug/L	25	10 J	2.6 J	15 J	ND(65)	ND(65)	ND(65)	4.5 J	4.4 J	ND(65)	ND(65)	ND(65)	ND(65)
Mercury	ug/L	0.7	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Selenium	ug/L	10	ND(200)	3.5 J	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)
Silver	ug/L	50	ND(50)	ND(50)	0.97 J	0.97 J	ND(50)	0.85 JB	ND(50)	1.5 J	ND(50)	ND(50)	1.1 JB	ND(50)

Notes:
1. Groundwater standards and guidance values are from the New York State Department of Environmental Conservation's Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, titled *Ambient Water Quality Standards and Guidance Values* (NYSDEC 1998).
2. ug/L - Micrograms per liter.
3. -- - No standard or guidance value listed in TOGS 1.1.1 for this parameter.
4. Yellow highlighting identifies values that exceed the applicable groundwater standard or guidance value.
5. ND - Analyte was not detected. The number in parentheses is the associated Reporting Limit (RL).
6. TOGs 1.1.1 does not include Class GA groundwater standards or guidance values for m&p-xylene and total xylenes; the principal organic contaminant (POC) standard of 5 ug/L applies to the individual isomers of m-, o-, and p-xylene. For the purposes of this table, a screening value of 5 ug/L has been used for m&p-xylene to identify results that may indicate an exceedance of the POC standard for either m- or p-xylene.

Data Qualifiers:
B - Analyte was present in the Method Blank and sample.
J - Concentration is below the RL but above the Method Detection Limit (MDL). The concentration reported is an estimate.

TABLE 3

UNCONFINED COMPRESSIVE STRENGTH AND PERMEABILITY DATA
ISS BENCH-SCALE TREATABILITY STUDY REPORT

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC. - PORT JERVIS, NEW YORK

Mix Design	Admixture (% by dry weight)			Unconfined Compressive Strength (psi)		Flex Wall Permeability (cm/sec @ 20° C)	
	Portland Cement	Bentonite	BFS Cement	Day 7	Day 28	Day 7	Day 28
Initial (Phase I) Mix Designs							
ISS1	0.5%	0.5%	7%	Not Performed	3 [3]	Not Performed	1.1E-06
ISS2	0.75%	0.5%	5.25%	5	7 [5]	1.1E-06	2.9E-05
ISS3	1.5%	0.5%	7%	9 [17] [16]	149 [136]	8.3E-07	8.1E-07
ISS4	10%	0.5%	0%	110	324 [291]	3.0E-07	4.9E-08
Additional (Phase II) Mix Designs							
ISS5	7%	0.5%	0%	74	55 [77]	2.8E-07	3.9E-07
ISS6	3.5%	0.5%	7.5%	39	283 [178]	4.8E-07	1.8E-07

Note:
1. Duplicate results are presented in brackets

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Figure

CITY: SYRACUSE DIV/GROUP: ENV141 DB: G. STOWELL L.FORAKER K. DAVIS LD:
G:\ENVCAD\SYRACUSE\ACT\B0043021\0001\00003\DWG\ISS43021G01.dwg LAYOUT: 1 SAVED: 6/22/2011 7:55 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 6/22/2011 7:55 AM BY: GETTS, BRIAN
PIC: M. CARRILLO-SHERIDAN PM: A. CORBIN TM: M. BENOIT LYR: ON=*;OFF=*REF*,|X01 HISTORICAL*
XREFS: IMAGES: PROJECTNAME: ----
43021X01
43021X00
43021X02

BROWN STREET

KING STREET

GAS HOLDER C

GAS HOLDER A

GAS HOLDER D

GARAGE BAY

O&R OFFICE BUILDING

PURIFIER T

TAR SEPARATOR O

LOADING DOCK

LOADING DOCK

435

433

436

434

437

MW12 DP17 DP13 SS8 DP21 SB19 DP14 DP7 PDI-SB1 MW5 SB18 PDI-SB4A DP15 PDI-SB3 PDI-SB4C PDI-SB4B PDI-SB4D PDI-SB2 PDI-SUPP-4 PDI-SB6E PDI-SB6 DP20 DP6 SS9 PDI-SUPP-1 SB4 PDI-SB5 PZ1 PDI-SUPP-3 PDI-SB5W PDI-SUPP-2 PDI-SB7 PDI-SB8B PDI-SB8A DP19 DP5 DP4 DP3 DP8 DP9 DP11 SB24(08) SB23(08) SB21(08) SB22(08) MW14S SB20(08) SB18(08) SB19(08) SB17(08) SB14(08) SB13(08) SB16(08) SB1 SB15(08) SB12(08) SB10(08) SB11(08) SB7(08) SB9(08) SB28(08) SB6(08) SB27(08)/GRMW2 SB29(08) SB28(08)/GRMW1 GRSB1/TW6 SS1 HA-1 SB4(08) SB3(08) SB1(08) SB31(08) SB2(08) SB30(08) SB32(08) SB33(08) SS4 MW3S MW3D SB15 PDI-SB9 MW1S MW1D SB17 MW15S

LEGEND:

- PROPERTY LINE
- 433 GROUND SURFACE CONTOUR (1-FOOT INTERVAL)
- EXISTING STRUCTURE/BUILDING
- APPROXIMATE LOCATION OF HISTORICAL SITE FEATURE
- EXISTING CHAIN-LINK FENCE
- EXISTING WOOD FENCE
- SS4 EXISTING SURFACE SOIL SAMPLE LOCATION
- SB1 EXISTING SOIL BORING LOCATION
- PDI-SUPP-1 SUPPLEMENTAL PDI SOIL BORING LOCATION
- MW5 EXISTING MONITORING WELL LOCATION
- PZ1 NEW PIEZOMETER LOCATION

NOTES:

1. BASE MAP MODIFIED FROM DRAWINGS PORT_JERVIS_08.DWG AND FIG2-1_GW3-08.DWG PROVIDED BY AECOM AND BASED ON ELECTRONIC COPY OF SURVEY DRAWING NO. 100204, TITLED "SURVEY OF PROPERTY", DATED 03-25-10, PROVIDED BY BORBAS SURVEYING AND MAPPING, LLC.
2. HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83); NEW YORK STATE PLANE EAST COORDINATE SYSTEM, IN U.S. SURVEY FEET. VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. ALL LOCATIONS AND SITE FEATURES ARE APPROXIMATE.

0 10' 20'
GRAPHIC SCALE

PORT JERVIS FORMER MGP SITE
ORANGE AND ROCKLAND UTILITIES, INC.
PORT JERVIS, NEW YORK

ISS BENCH-SCALE TREATABILITY STUDY REPORT

INVESTIGATION LOCATIONS

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FIGURE
1

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Attachments

Attachment A

Soil Boring/Well Construction Logs

Date Start/Finish: 11/23/10
Drilling Company: NYEG Drilling, Inc.
Driller's Name: Dick Waris
Drilling Method: Hollow Stem Auger
Auger Size: 3.25"
Rig Type: B-59
Sampling Method: 2' x 3" Split Spoon

Northing: 925284.9
Easting: 438262.4
Casing Elevation: NA
Borehole Depth: 14' bgs
Surface Elevation: 436.9'

Descriptions By: Marcus Eriksson

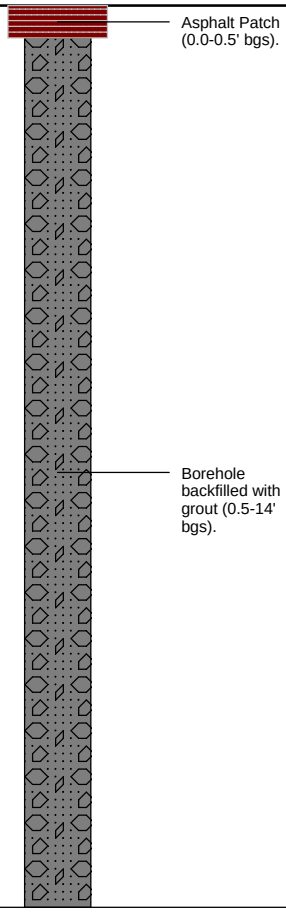
Well/Boring ID: **PDI-SUPP-1**

Client: Orange and Rockland Utilities, Inc.

Location: Port Jervis Former MGP Site
Port Jervis, New York

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0 / 435	1	0-2	2.0	8, 12, 31, 28	43	0.0		Brown fine to medium SAND, little fine to medium subangular Gravel, trace red Brick (M,NP).
	2	2-4	0.8	3, 6, 6, 7	12	0.0		
5 / 430	3	4-6	0.7	2, 3, 4, 2	7	0.6		Brown and black fine SAND and fine to medium GRAVEL, trace fire Brick, red Brick (S,NP). Trace sheen at water table.
	4	6-8	0.6	2, 2, 2, 2	4	337.8		Trace to moderate blebs of oil-like material (6.0-8.0' bgs).
10 / 425	5	8-10	0.3	1, 3, 2, 1	5	612		Moderate to heavy coating of oil-like material throughout, increasing with depth (8.0-14' bgs).
	6	10-12	1.3	2, 1, 1, 2	2	973		
	7	12-14	1.0	1, 1, 1, 1	2	788		
15								Boring terminated (due to refusal) at 14' bgs.

Well/Boring Construction



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Infrastructure, environment, buildings

Remarks: bgs = below ground surface; NA = Not Available/Applicable; P = Plastic; NP = Non-Plastic; M = Moist; S = Saturated
Cat head and rope used for blow counts.

Horizontal datum is the North American Datum of 1983 (NAD 83); New York State Plane East coordinate system, in U.S. Survey feet.
Vertical datum is the North American Vertical Datum of 1988 (NAVD 88).

Date Start/Finish: 11/23/10
Drilling Company: NYEG Drilling, Inc.
Driller's Name: Dick Waris
Drilling Method: Hollow Stem Auger
Auger Size: 3.25"
Rig Type: B-59
Sampling Method: 2' x 3" Split Spoon

Northing: 925256.7
Easting: 438265.2
Casing Elevation: NA
Borehole Depth: 14' bgs
Surface Elevation: 436.9'

Descriptions By: Marcus Eriksson

Well/Boring ID: **PDI-SUPP-2**

Client: Orange and Rockland Utilities, Inc.

Location: Port Jervis Former MGP Site
Port Jervis, New York

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0 / 435	1	0-2	2.0	4, 12, 21, 28	33	0.0		Brown fine SAND, little fine to medium Gravel, trace red Brick, Coal frags (M,NP).	Asphalt Patch (0.0-0.5' bgs).
	2	2-4	1.1	4, 4, 5, 4	9	0.0			
5	3	4-6	0.6	2, 2, 4, 4	6	6.6		Trace sheen at water table.	
430	4	6-8	NR	2, 2, 3, 2	5	NA		Moderate to heavy coating of oil-like material (6.0-8.0' bgs).	Borehole backfilled with grout (0.5-14' bgs).
	5	8-10	1.6	2, 2, 2, 2	4	274		Saturated with oil-like material throughout (8.0-14' bgs).	
10	6	10-12	2.0	1, 1, 1, 1	2	867		Black fine to coarse SAND and GRAVEL (S,NP).	
425	7	12-14	2.0	1, 3, 4, 50/.5	7	677			
15								Boring terminated (due to refusal) at 14' bgs.	

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Remarks: bgs = below ground surface; NA = Not Available/Applicable; P = Plastic; NP = Non-Plastic; M = Moist; S = Saturated
Cat head and rope used for blow counts.

Horizontal datum is the North American Datum of 1983 (NAD 83); New York State Plane East coordinate system, in U.S. Survey feet.
Vertical datum is the North American Vertical Datum of 1988 (NAVD 88).

Date Start/Finish: 11/23/10
Drilling Company: NYEG Drilling, Inc.
Driller's Name: Dick Waris
Drilling Method: Hollow Stem Auger
Auger Size: 3.25"
Rig Type: B-59
Sampling Method: 2' x 3" Split Spoon

Northing: 925271.6
Easting: 438242.2
Casing Elevation: 436.5'
Borehole Depth: 29' bgs
Surface Elevation: 436.9'

Descriptions By: Marcus Eriksson

Well/Boring ID: **PDI-SUPP-3/PZ1**

Client: Orange and Rockland Utilities, Inc.

Location: Port Jervis Former MGP Site
Port Jervis, New York

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0 / 435	NA	0-15	NA	NA	NA	NA		Blind drill to 15' bgs.	Concrete Pad. #0 Sand Pack (0.5-1.0' bgs). Bentonite Chips (1.0-8.0' bgs). 1" Sch. 40 PVC well riser (0.39-10' bgs).
5 / 430									
10 / 425									

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Remarks: bgs = below ground surface; NA = Not Available/Applicable; P = Plastic; NP = Non-Plastic; M = Moist; S = Saturated
Cat head and rope used for blow counts.

Horizontal datum is the North American Datum of 1983 (NAD 83); New York State Plane East coordinate system, in U.S. Survey feet.
Vertical datum is the North American Vertical Datum of 1988 (NAVD 88).

Date Start/Finish: 11/23/10
Drilling Company: NYEG Drilling, Inc.
Driller's Name: Dick Waris
Drilling Method: Hollow Stem Auger
Auger Size: 3.25"
Rig Type: B-59
Sampling Method: 2' x 3" Split Spoon

Northing: 925271.6
Easting: 438242.2
Casing Elevation: 436.5'
Borehole Depth: 29' bgs
Surface Elevation: 436.9'

Descriptions By: Marcus Eriksson

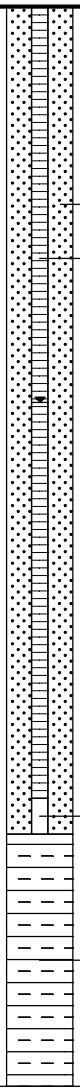
Well/Boring ID: **PDI-SUPP-3/PZ1**

Client: Orange and Rockland Utilities, Inc.

Location: Port Jervis Former MGP Site
Port Jervis, New York

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
15	1	15-17	2.0	4 4 4 10	8	454		Grey to brown fine SAND (M,NP). 1-2mm dark laminations throughout. Moderate coal tar-like odor.
420	2	17-19	1.5	20 25 20 21	45	564		Grey to brown fine to coarse SAND and fine to coarse GRAVEL, very stiff (M,NP).
20	3	19-21	2.0	14 16 24 30	40	206		Heavy coating of oil-like material throughout (17-23' bgs).
415	4	21-23	2.0	26 45 42 49	87	186		
	5	23-25	1.0	22 26 34 37	60	192		Moderate coating of oil-like material, trace to little yellow/brown oil-like material.
25	6	25-27	2.0	34 37 42 48	79	267		Moderate to heavy coating of oil-like material.
410	7	27-29	2.0	27 33 41 47	74	180		
30								Boring terminated at 29' bgs.

Well/Boring Construction



#0 Sand Pack (8.0-25.5' bgs).
1" Sch. 40 PVC well screen (10-25' bgs).
1" Sch. 40 PVC unslotted slip cap (25-25.5' bgs).
Bentonite Chips (25.5-29' bgs).

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Remarks: bgs = below ground surface; NA = Not Available/Applicable; P = Plastic; NP = Non-Plastic; M = Moist; S = Saturated
Cat head and rope used for blow counts.

Horizontal datum is the North American Datum of 1983 (NAD 83); New York State Plane East coordinate system, in U.S. Survey feet.
Vertical datum is the North American Vertical Datum of 1988 (NAVD 88).

Date Start/Finish: 11/23/10
Drilling Company: NYEG Drilling, Inc.
Driller's Name: Dick Waris
Drilling Method: Hollow Stem Auger
Auger Size: 3.25"
Rig Type: B-59
Sampling Method: 2' x 3" Split Spoon

Northing: 925294.1
Easting: 438249.6
Casing Elevation: NA
Borehole Depth: 29' bgs
Surface Elevation: 436.6'

Descriptions By: Marcus Eriksson

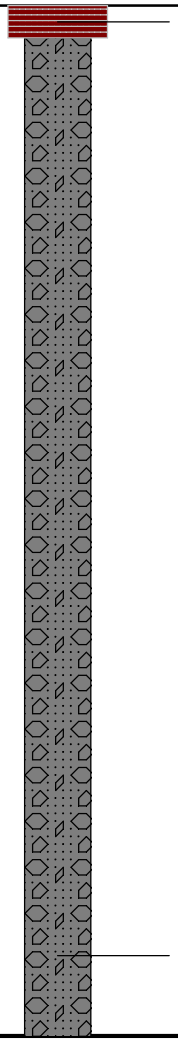
Well/Boring ID: **PDI-SUPP-4**

Client: Orange and Rockland Utilities, Inc.

Location: Port Jervis Former MGP Site
Port Jervis, New York

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0 / 435	NA	0-15	NA	NA	NA	NA		Blind drill to 15' bgs.
5 / 430								
10 / 425								
15	1	15-17	2.0	5 5	14	93.7		Grey to brown fine SAND (M,NP).

Well/Boring Construction



ARCADIS
Infrastructure, environment, buildings

Remarks: bgs = below ground surface; NA = Not Available/Applicable; P = Plastic; NP = Non-Plastic; M = Moist; S = Saturated
Cat head and rope used for blow counts.

Horizontal datum is the North American Datum of 1983 (NAD 83); New York State Plane East coordinate system, in U.S. Survey feet.
Vertical datum is the North American Vertical Datum of 1988 (NAVD 88).

Client: Orange and Rockland Utilities, Inc.

Well/Boring ID: **PDI-SUPP-4**

Borehole Depth: 29' bgs

Site Location:
Port Jervis Former MGP Site
Port Jervis, New York

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
420	1	15-17	2.0	9 15	14	93.7		1-2mm dark laminations throughout. Moderate coal tar-like odor.	
	2	17-19	1.5	9 11 28 14	39	103.7		Grey to brown fine to coarse SAND and fine to coarse GRAVEL, very stiff (M,NP).	
20	3	19-21	2.0	28 39 44 43	83	197.6		Heavy coating of oil-like material throughout, little yellow/brown oil-like material (17-23').	
415	4	21-23	2.0	31 36 40 45	76	63.7			
	5	23-25	1.0	34 34 43 49	77	88.9		Moderate coating of oil-like material.	
25	6	25-27	2.0	47 46 38 39	84	101.2			
410	7	27-29	2.0	34 32 41 43	73	66.2			
30								Boring terminated at 29' bgs.	
405									
35									

ARCADIS
Infrastructure, environment, buildings

Remarks: bgs = below ground surface; NA = Not Available/Applicable; P = Plastic; NP = Non-Plastic; M = Moist; S = Saturated
Cat head and rope used for blow counts.

Horizontal datum is the North American Datum of 1983 (NAD 83); New York State Plane East coordinate system, in U.S. Survey feet.
Vertical datum is the North American Vertical Datum of 1988 (NAVD 88).

Attachment B

Laboratory Data Reports

ARCADIS

HCV Laboratory Data Reports

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
198 ROUTE 46 EAST, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: Port Jervis ISSS

Client PO: B0043021.0001.00

Report To: ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214

Attn: M. Benoit

Received Date: 12/22/2010

Report Date: 3/7/2011

Deliverables: NYDOH-CatB

Lab ID: AC56495

Lab Project No: 0122205

REVISED

This report is a true report of results obtained from our tests of this material. All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Jeri Rossi

Jeri Rossi - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

TABLE OF CONTENTS

HC·V LABORATORY RESULTS	PAGE NOS.
SDG Narrative	1-3
Reporting Limit Definitions	4-5
Data Package Summary Forms	6-29
Chain of Custody Forms	30-33
GC/MS Volatiles Data	34-212
GC/MS Semivolatiles Data	213-338
Inorganic Data	339-435
Wet Chemical Data	436-438
SPLP GC/MS Volatiles Data	439-550
SPLP GC/MS Semivolatiles Data	551-748
SPLP Inorganic Data	749-820

SDG Narrative

HCV Case Narrative/Conformance Summary

Client: Arcadis
Project: Port Jervis ISSS

HCV Project: 0122205

Hampton-Clarke/Veritech (HC·V) received the following samples on December 22, 2010:

Client ID	HCV Sample ID	Matrix	Analysis
PJ Baseline-1	AC56495-001	Soil	VO (8260B), BNA (8270C), Metals (6010B/7471A), SPLP VO (8260B), SPLP BNA (8270C), SPLP Metals (6010B/7470A)
PJ Baseline-2	AC56495-002	Soil	VO (8260B), BNA (8270C), Metals (6010B/7471A), SPLP VO (8260B), SPLP BNA (8270C), SPLP Metals (6010B/7470A)

Volatile Organic Analysis:

Data conforms to method requirements.

Base Neutral/Acid Extractable Analysis:

There is no surrogate recovery data for sample AC56495-001 due to high sample dilution. The surrogates and spiking compounds were diluted out form Matrix Spike and Matrix Spike Duplicate in batch SMB4129. All QC criteria were met in the Laboratory Control Sample (MBS).

Metals Analysis:

Reported to MDL per client request. When reporting to the MDL, detections are typically found in the blanks. Acceptance criteria for blanks are based on the RL.

SPLP Volatile Organic Analysis:

Methylene chloride was recovered in extraction fluid blank EF-SPLP FL 1014 and in samples AC56495-001 and 002 suggesting laboratory contamination.

The recovery of Toluene is biased low, outside QC limits in the Matrix Spike Duplicate in batch 5385. All QC criteria were met in the Laboratory Control Sample (MBS).

SPLP Base Neutral/Acid Extractable Analysis:

The recovery of 3&4-Methylphenol is biased high, outside QC limits in the Matrix Spike and Matrix Spike Duplicate in batch WMB4136. All QC criteria were met in the Laboratory Control Sample (MBS).

The recovery of 2,4,6-Tribromophenol surrogate is biased low, outside QC limits in non-spiked sample AC56498-001. The sample was re-extracted as a Base Neutral only, therefore the re-extract could not be used.

SPLP Metals Analysis:

Reported to MDL per client request. When reporting to the MDL, detections are typically found in the blanks. Acceptance criteria for blanks are based on the RL.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

2/22/11
Date

Reporting Limit Definitions

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL = Reporting Limit *

RT = Retention Time

NA = Not Applicable

ND = Not Detected

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the concentration is below the Reporting Limit (RL) but above the MDL (Method Detection Limit). The concentration reported is an estimate.

*For Clean Water Act and SW846 Organic Methods and Metals Methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

*For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

HCV Report Of Analysis

Client: ARCADIS
Project: Port Jervis ISSS

HCV Project #: 0122205

Sample ID: PJ Baseline-1
Lab#: AC56495-001
Matrix: Soil

Collection Date: 12/21/2010
Receipt Date: 12/22/2010

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	mg/kg	0.015	0.095	ND

Mercury (SPLP) ~~7471A~~ 7470A ND 3ttli

Analyte	DF	Units	MDL	RL	Result
Mercury	1	mg/l	0.000055	0.00070	ND

pH (SM4500-H+ B-00)

Analyte	DF	Units	RL	Result
SPLP PH	**1**	**ph units**		**7.53**

RCRA Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	**1**	**mg/kg**	**0.52**	2.3	**3.5**
Barium	**1**	**mg/kg**	**0.030**	11	**46B**
Cadmium	1	mg/kg	0.035	0.68	ND
Chromium	**1**	**mg/kg**	**0.18**	5.7	**14**
Lead	**1**	**mg/kg**	**0.22**	5.7	**13**
Selenium	1	mg/kg	1.1	2.0	ND
Silver	1	mg/kg	0.068	1.7	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	50	mg/kg	0.38	3.8	ND
2,4,5-Trichlorophenol	50	mg/kg	0.64	3.8	ND
2,4,6-Trichlorophenol	50	mg/kg	1.1	3.8	ND
2,4-Dichlorophenol	50	mg/kg	1.1	3.8	ND
2,4-Dimethylphenol	50	mg/kg	2.6	3.8	ND
2,4-Dinitrophenol	50	mg/kg	1.9	19	ND
2,4-Dinitrotoluene	50	mg/kg	0.77	3.8	ND
2,6-Dinitrotoluene	50	mg/kg	0.80	3.8	ND
2-Chloronaphthalene	50	mg/kg	0.45	3.8	ND
2-Chlorophenol	50	mg/kg	0.76	3.8	ND
2-Methylnaphthalene	**50**	**mg/kg**	**1.2**	3.8	**190**
2-Methylphenol	50	mg/kg	1.0	3.8	ND
2-Nitroaniline	50	mg/kg	0.79	3.8	ND
2-Nitrophenol	50	mg/kg	0.68	3.8	ND
3&4-Methylphenol	50	mg/kg	1.0	3.8	ND
3,3'-Dichlorobenzidine	50	mg/kg	2.8	3.8	ND
3-Nitroaniline	50	mg/kg	2.0	3.8	ND
4,6-Dinitro-2-methylphenol	50	mg/kg	1.6	3.8	ND
4-Bromophenyl-phenylether	50	mg/kg	0.59	3.8	ND
4-Chloro-3-methylphenol	50	mg/kg	1.1	3.8	ND
4-Chloroaniline	50	mg/kg	4.0	19	ND
4-Chlorophenyl-phenylether	50	mg/kg	0.42	3.8	ND
4-Nitroaniline	50	mg/kg	1.1	3.8	ND
4-Nitrophenol	50	mg/kg	1.4	3.8	ND
Acenaphthene	**50**	**mg/kg**	**0.46**	3.8	**75**
Acenaphthylene	**50**	**mg/kg**	**0.48**	3.8	**13**
Aniline	50	mg/kg	3.3	3.8	ND
Anthracene	**50**	**mg/kg**	**0.40**	3.8	**35**
Benzidine	50	mg/kg	6.2	19	ND
Benzo[a]anthracene	**50**	**mg/kg**	**0.33**	3.8	**18**

Sample ID: PJ Baseline-1 **Collection Date:** 12/21/2010
Lab#: AC56495-001 **Receipt Date:** 12/22/2010
Matrix: Soil

Benzo[a]pyrene	**50**	**mg/kg**	**0.49**	3.8	**14**
Benzo[b]fluoranthene	**50**	**mg/kg**	**0.43**	3.8	**11**
Benzo[g,h,i]perylene	**50**	**mg/kg**	**0.44**	3.8	**6.2**
Benzo[k]fluoranthene	**50**	**mg/kg**	**0.44**	3.8	**4.1**
Benzoic acid	50	mg/kg	7.8	19	ND
bis(2-Chloroethoxy)methane	50	mg/kg	0.43	3.8	ND
bis(2-Chloroethyl)ether	50	mg/kg	0.53	3.8	ND
bis(2-Chloroisopropyl)ether	50	mg/kg	5.9	19	ND
bis(2-Ethylhexyl)phthalate	50	mg/kg	1.4	3.8	ND
Butylbenzylphthalate	50	mg/kg	1.1	3.8	ND
Carbazole	**50**	**mg/kg**	**0.40**	3.8	**0.64J**
Chrysene	**50**	**mg/kg**	**0.28**	3.8	**17**
Dibenzo[a,h]anthracene	**50**	**mg/kg**	**0.39**	3.8	**2.0J**
Dibenzofuran	**50**	**mg/kg**	**1.0**	3.8	**4.0**
Diethylphthalate	50	mg/kg	0.60	3.8	ND
Dimethylphthalate	50	mg/kg	0.44	3.8	ND
Di-n-butylphthalate	50	mg/kg	0.79	3.8	ND
Di-n-octylphthalate	50	mg/kg	0.96	3.8	ND
Fluoranthene	**50**	**mg/kg**	**0.34**	3.8	**31**
Fluorene	**50**	**mg/kg**	**0.58**	3.8	**40**
Hexachlorobenzene	50	mg/kg	0.47	3.8	ND
Hexachlorobutadiene	50	mg/kg	0.77	3.8	ND
Hexachlorocyclopentadiene	50	mg/kg	4.6	19	ND
Hexachloroethane	50	mg/kg	0.57	3.8	ND
Indeno[1,2,3-cd]pyrene	**50**	**mg/kg**	**0.49**	3.8	**4.8**
Isophorone	50	mg/kg	0.52	3.8	ND
Naphthalene	**50**	**mg/kg**	**0.47**	0.95	**250**
Nitrobenzene	50	mg/kg	0.60	3.8	ND
N-Nitrosodimethylamine	50	mg/kg	2.7	3.8	ND
N-Nitroso-di-n-propylamine	50	mg/kg	0.52	3.8	ND
N-Nitrosodiphenylamine	50	mg/kg	0.42	3.8	ND
Pentachlorophenol	50	mg/kg	1.6	19	ND
Phenanthrene	**50**	**mg/kg**	**0.42**	3.8	**120**
Phenol	50	mg/kg	0.97	3.8	ND
Pyrene	**50**	**mg/kg**	**0.33**	3.8	**53**

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	mg/l	0.0026	0.20	ND
Barium	**1**	**mg/l**	**0.00014**	0.25	**0.18JB**
Cadmium	1	mg/l	0.00030	0.050	ND
Chromium	**1**	**mg/l**	**0.00076**	0.20	**0.0035J**
Lead	**1**	**mg/l**	**0.0024**	0.065	**0.010J**
Selenium	1	mg/l	0.0035	0.20	ND
Silver	1	mg/l	0.00067	0.050	ND

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**	**n/a**		**Completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	mg/l	0.00012	0.0020	ND
2,4,5-Trichlorophenol	1	mg/l	0.0018	0.0020	ND
2,4,6-Trichlorophenol	1	mg/l	0.00090	0.0020	ND
2,4-Dichlorophenol	1	mg/l	0.00061	0.0020	ND
2,4-Dimethylphenol	**1**	**mg/l**	**0.00070**	0.010	**0.0017J**
2,4-Dinitrophenol	1	mg/l	0.0011	0.010	ND
2,4-Dinitrotoluene	1	mg/l	0.00021	0.0020	ND
2,6-Dinitrotoluene	1	mg/l	0.00032	0.0020	ND
2-Chloronaphthalene	1	mg/l	0.00019	0.0020	ND
2-Chlorophenol	1	mg/l	0.00075	0.0020	ND
2-Methylnaphthalene	**1**	**mg/l**	**0.00079**	0.0020	**0.016**
2-Methylphenol	1	mg/l	0.0020	0.010	ND
2-Nitroaniline	1	mg/l	0.00083	0.0020	ND
2-Nitrophenol	1	mg/l	0.00058	0.0020	ND
3&4-Methylphenol	1	mg/l	0.0018	0.010	ND
3,3'-Dichlorobenzidine	1	mg/l	0.00091	0.0020	ND
3-Nitroaniline	1	mg/l	0.0019	0.0020	ND

Sample ID: PJ Baseline-1 **Collection Date:** 12/21/2010
Lab#: AC56495-001 **Receipt Date:** 12/22/2010
Matrix: Soil

4,6-Dinitro-2-methylphenol	1	mg/l	0.00059	0.0020	ND
4-Bromophenyl-phenylether	1	mg/l	0.00022	0.0020	ND
4-Chloro-3-methylphenol	1	mg/l	0.00058	0.0020	ND
4-Chloroaniline	1	mg/l	0.0011	0.010	ND
4-Chlorophenyl-phenylether	1	mg/l	0.00024	0.0020	ND
4-Nitroaniline	1	mg/l	0.0016	0.0020	ND
4-Nitrophenol	1	mg/l	0.00050	0.0020	ND
Acenaphthene	**1**	**mg/l**	**0.00021**	0.0020	**0.0065**
Acenaphthylene	**1**	**mg/l**	**0.00014**	0.0020	**0.0022**
Aniline	1	mg/l	0.00062	0.0020	ND
Anthracene	**1**	**mg/l**	**0.00034**	0.0020	**0.00045J**
Benzidine	1	mg/l	0.0059	0.010	ND
Benzo[a]anthracene	**1**	**mg/l**	**0.00013**	0.0020	**0.00028J**
Benzo[a]pyrene	**1**	**mg/l**	**0.00017**	0.0020	**0.0011J**
Benzo[b]fluoranthene	**1**	**mg/l**	**0.000097**	0.0020	**0.00059J**
Benzo[g,h,i]perylene	**1**	**mg/l**	**0.00017**	0.0020	**0.00078J**
Benzo[k]fluoranthene	**1**	**mg/l**	**0.00024**	0.0020	**0.00051J**
Benzoic acid	1	mg/l	0.0020	0.010	ND
bis(2-Chloroethoxy)methane	1	mg/l	0.00013	0.0020	ND
bis(2-Chloroethyl)ether	1	mg/l	0.00027	0.0020	ND
bis(2-Chloroisopropyl)ether	1	mg/l	0.00025	0.0020	ND
bis(2-Ethylhexyl)phthalate	1	mg/l	0.00022	0.0020	ND
Butylbenzylphthalate	1	mg/l	0.00015	0.0020	ND
Carbazole	1	mg/l	0.00015	0.0020	ND
Chrysene	**1**	**mg/l**	**0.00016**	0.0020	**0.00042J**
Dibenzo[a,h]anthracene	1	mg/l	0.00018	0.0020	ND
Dibenzofuran	1	mg/l	0.0011	0.0020	ND
Diethylphthalate	1	mg/l	0.00019	0.0020	ND
Dimethylphthalate	1	mg/l	0.00018	0.0020	ND
Di-n-butylphthalate	1	mg/l	0.00019	0.0020	ND
Di-n-octylphthalate	1	mg/l	0.00020	0.0020	ND
Fluoranthene	1	mg/l	0.00014	0.0020	ND
Fluorene	**1**	**mg/l**	**0.00020**	0.0020	**0.0016J**
Hexachlorobenzene	1	mg/l	0.00027	0.0020	ND
Hexachlorobutadiene	1	mg/l	0.00028	0.0020	ND
Hexachlorocyclopentadiene	1	mg/l	0.00083	0.010	ND
Hexachloroethane	1	mg/l	0.00034	0.0020	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/l**	**0.00013**	0.0020	**0.00058J**
Isophorone	1	mg/l	0.00015	0.0020	ND
Naphthalene	**1**	**mg/l**	**0.00016**	0.00050	**0.10**
Nitrobenzene	1	mg/l	0.00032	0.0020	ND
N-Nitrosodimethylamine	1	mg/l	0.0015	0.0020	ND
N-Nitroso-di-n-propylamine	1	mg/l	0.00027	0.0020	ND
N-Nitrosodiphenylamine	1	mg/l	0.00029	0.0020	ND
Pentachlorophenol	1	mg/l	0.0011	0.010	ND
Phenanthrene	**1**	**mg/l**	**0.00015**	0.0020	**0.0014J**
Phenol	**1**	**mg/l**	**0.00065**	0.0020	**0.0010J**
Pyrene	1	mg/l	0.00013	0.0020	ND

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	mg/l	0.00048	0.0010	ND
1,1,2,2-Tetrachloroethane	1	mg/l	0.00034	0.0010	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/l	0.00082	0.0010	ND
1,1,2-Trichloroethane	1	mg/l	0.00055	0.0010	ND
1,1-Dichloroethane	1	mg/l	0.00033	0.0010	ND
1,1-Dichloroethene	1	mg/l	0.00058	0.0010	ND
1,2,3-Trichloropropane	1	mg/l	0.00091	0.0010	ND
1,2,4-Trimethylbenzene	**1**	**mg/l**	**0.00024**	0.0010	**0.099**
1,2-Dichlorobenzene	1	mg/l	0.00077	0.0010	ND
1,2-Dichloroethane	1	mg/l	0.00043	0.00050	ND
1,2-Dichloropropane	1	mg/l	0.00037	0.0010	ND
1,3,5-Trimethylbenzene	**1**	**mg/l**	**0.00058**	0.0010	**0.027**
1,3-Dichlorobenzene	1	mg/l	0.00042	0.0010	ND
1,3-Dichloropropane	1	mg/l	0.00051	0.0010	ND
1,4-Dichlorobenzene	1	mg/l	0.00033	0.0010	ND
1,4-Dioxane	1	mg/l	0.027	0.050	ND
2-Butanone	1	mg/l	0.00090	0.0010	ND
2-Chloroethylvinylether	1	mg/l	0.00086	0.0010	ND

Sample ID: PJ Baseline-1 **Collection Date: 12/21/2010**
Lab#: AC56495-001 **Receipt Date: 12/22/2010**
Matrix: Soil

2-Hexanone	1	mg/l	0.00046	0.0010	ND
4-Isopropyltoluene	**1**	**mg/l**	**0.00049**	0.0010	**0.0050**
4-Methyl-2-pentanone	1	mg/l	0.00085	0.0010	ND
Acetone	**1**	**mg/l**	**0.0040**	0.0050	**0.028**
Acrolein	1	mg/l	0.0029	0.0050	ND
Acrylonitrile	1	mg/l	0.00092	0.0020	ND
Benzene	**1**	**mg/l**	**0.00037**	0.00050	**0.0074**
Bromodichloromethane	1	mg/l	0.00043	0.0010	ND
Bromoform	1	mg/l	0.00029	0.0010	ND
Bromomethane	1	mg/l	0.00097	0.0010	ND
Carbon disulfide	1	mg/l	0.00030	0.0010	ND
Carbon tetrachloride	1	mg/l	0.00067	0.0010	ND
Chlorobenzene	1	mg/l	0.00067	0.0010	ND
Chloroethane	1	mg/l	0.00076	0.0010	ND
Chloroform	1	mg/l	0.00036	0.0010	ND
Chloromethane	1	mg/l	0.00045	0.0010	ND
cis-1,2-Dichloroethene	1	mg/l	0.00029	0.0010	ND
cis-1,3-Dichloropropene	1	mg/l	0.00064	0.0010	ND
Dibromochloromethane	1	mg/l	0.00055	0.0010	ND
Dichlorodifluoromethane	1	mg/l	0.00051	0.0010	ND
Ethylbenzene	**1**	**mg/l**	**0.00065**	0.0010	**0.054**
Isopropylbenzene	**1**	**mg/l**	**0.00042**	0.0010	**0.0073**
m&p-Xylenes	**1**	**mg/l**	**0.00075**	0.0010	**0.12**
Methylene chloride	**1**	**mg/l**	**0.00077**	0.0010	**0.26**
Methyl-t-butyl ether	1	mg/l	0.00031	0.00050	ND
n-Butylbenzene	1	mg/l	0.00048	0.0010	ND
n-Propylbenzene	**1**	**mg/l**	**0.00034**	0.0010	**0.0013**
o-Xylene	**1**	**mg/l**	**0.00054**	0.0010	**0.091**
sec-Butylbenzene	1	mg/l	0.00047	0.0010	ND
Styrene	1	mg/l	0.00033	0.0010	ND
t-Butyl Alcohol	1	mg/l	0.0050	0.0050	ND
t-Butylbenzene	1	mg/l	0.00025	0.0010	ND
Tetrachloroethene	1	mg/l	0.00033	0.0010	ND
Toluene	**1**	**mg/l**	**0.00040**	0.0010	**0.020**
trans-1,2-Dichloroethene	1	mg/l	0.00081	0.0010	ND
trans-1,3-Dichloropropene	1	mg/l	0.00061	0.0010	ND
Trichloroethene	1	mg/l	0.00045	0.0010	ND
Trichlorofluoromethane	1	mg/l	0.00086	0.0010	ND
Vinyl chloride	1	mg/l	0.00085	0.0010	ND
Xylenes (Total)	**1**	**mg/l**	**0.00054**	0.0010	**0.211**

SPLP VOLUMES

Analyte	DF	Units	RL	Result
SPLP Final Volume	**1**	**ml**		**2000**
SPLP Initial Weight	**1**	**grams**		**100**

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	990	mg/kg	0.54	1.1	ND
1,1,2,2-Tetrachloroethane	990	mg/kg	0.38	0.56	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	990	mg/kg	0.92	1.1	ND
1,1,2-Trichloroethane	990	mg/kg	0.62	1.1	ND
1,1-Dichloroethane	990	mg/kg	0.37	1.1	ND
1,1-Dichloroethene	990	mg/kg	0.66	1.1	ND
1,2,3-Trichloropropane	990	mg/kg	1.0	1.1	ND
1,2,4-Trimethylbenzene	**990**	**mg/kg**	**0.27**	1.1	**21**
1,2-Dichlorobenzene	990	mg/kg	0.86	1.1	ND
1,2-Dichloroethane	990	mg/kg	0.48	0.56	ND
1,2-Dichloropropane	990	mg/kg	0.41	1.1	ND
1,3,5-Trimethylbenzene	**990**	**mg/kg**	**0.65**	1.1	**6.4**
1,3-Dichlorobenzene	990	mg/kg	0.47	1.1	ND
1,3-Dichloropropane	990	mg/kg	0.57	1.1	ND
1,4-Dichlorobenzene	990	mg/kg	0.37	1.1	ND
1,4-Dioxane	990	mg/kg	31	56	ND
2-Butanone	990	mg/kg	1.0	1.1	ND
2-Chloroethylvinylether	990	mg/kg	0.97	1.1	ND
2-Hexanone	990	mg/kg	0.52	1.1	ND
4-Isopropyltoluene	**990**	**mg/kg**	**0.55**	1.1	**2.2**
4-Methyl-2-pentanone	990	mg/kg	0.96	1.1	ND

Sample ID: PJ Baseline-1 **Collection Date: 12/21/2010**
Lab#: AC56495-001 **Receipt Date: 12/22/2010**
Matrix: Soil

Acetone	990	mg/kg	4.4	5.6	ND
Acrolein	990	mg/kg	3.2	5.6	ND
Acrylonitrile	990	mg/kg	1.0	2.3	ND
Benzene	**990**	**mg/kg**	**0.41**	0.56	**0.57**
Bromodichloromethane	990	mg/kg	0.48	0.56	ND
Bromoform	990	mg/kg	0.32	1.1	ND
Bromomethane	990	mg/kg	1.1	1.1	ND
Carbon disulfide	990	mg/kg	0.34	1.1	ND
Carbon tetrachloride	990	mg/kg	0.75	1.1	ND
Chlorobenzene	990	mg/kg	0.75	1.1	ND
Chloroethane	990	mg/kg	0.86	1.1	ND
Chloroform	990	mg/kg	0.41	1.1	ND
Chloromethane	990	mg/kg	0.50	1.1	ND
cis-1,2-Dichloroethene	990	mg/kg	0.32	1.1	ND
cis-1,3-Dichloropropene	990	mg/kg	0.72	1.1	ND
Dibromochloromethane	990	mg/kg	0.62	1.1	ND
Dichlorodifluoromethane	990	mg/kg	0.57	1.1	ND
Ethylbenzene	**990**	**mg/kg**	**0.73**	1.1	**8.5**
Isopropylbenzene	**990**	**mg/kg**	**0.47**	1.1	**2.2**
m&p-Xylenes	**990**	**mg/kg**	**0.84**	1.1	**18**
Methylene chloride	990	mg/kg	0.87	1.1	ND
Methyl-t-butyl ether	990	mg/kg	0.35	0.56	ND
n-Butylbenzene	990	mg/kg	0.54	1.1	ND
n-Propylbenzene	**990**	**mg/kg**	**0.38**	1.1	**0.75J**
o-Xylene	**990**	**mg/kg**	**0.61**	1.1	**10**
sec-Butylbenzene	990	mg/kg	0.52	1.1	ND
Styrene	990	mg/kg	0.37	1.1	ND
t-Butyl Alcohol	990	mg/kg	5.6	5.6	ND
t-Butylbenzene	990	mg/kg	0.28	1.1	ND
Tetrachloroethene	990	mg/kg	0.37	1.1	ND
Toluene	**990**	**mg/kg**	**0.45**	1.1	**2.0**
trans-1,2-Dichloroethene	990	mg/kg	0.91	1.1	ND
trans-1,3-Dichloropropene	990	mg/kg	0.69	1.1	ND
Trichloroethene	990	mg/kg	0.50	1.1	ND
Trichlorofluoromethane	990	mg/kg	0.96	1.1	ND
Vinyl chloride	990	mg/kg	0.95	1.1	ND
Xylenes (Total)	**990**	**mg/kg**	**0.61**	1.1	**28**

Sample ID: PJ Baseline-2
Lab#: AC56495-002
Matrix: Soil

Collection Date: 12/21/2010
Receipt Date: 12/22/2010

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	mg/kg	0.015	0.095	ND

Mercury (SPLP) ~~7471A~~ 7470A rd 3/4/11

Analyte	DF	Units	MDL	RL	Result
Mercury	1	mg/l	0.000055	0.00070	ND

pH (SM4500-H+ B-00)

Analyte	DF	Units	RL	Result
SPLP PH	1	ph units		7.56

RCRA Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	**1**	**mg/kg**	**0.52**	2.3	**4.0**
Barium	**1**	**mg/kg**	**0.030**	11	**44B**
Cadmium	1	mg/kg	0.035	0.68	ND
Chromium	**1**	**mg/kg**	**0.18**	5.7	**15**
Lead	**1**	**mg/kg**	**0.22**	5.7	**13**
Selenium	1	mg/kg	1.1	2.0	ND
Silver	1	mg/kg	0.068	1.7	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	50	mg/kg	0.38	3.8	ND
2,4,5-Trichlorophenol	50	mg/kg	0.64	3.8	ND
2,4,6-Trichlorophenol	50	mg/kg	1.1	3.8	ND
2,4-Dichlorophenol	50	mg/kg	1.1	3.8	ND
2,4-Dimethylphenol	50	mg/kg	2.6	3.8	ND
2,4-Dinitrophenol	50	mg/kg	1.9	19	ND
2,4-Dinitrotoluene	50	mg/kg	0.77	3.8	ND
2,6-Dinitrotoluene	50	mg/kg	0.80	3.8	ND
2-Chloronaphthalene	50	mg/kg	0.45	3.8	ND
2-Chlorophenol	50	mg/kg	0.76	3.8	ND
2-Methylnaphthalene	**50**	**mg/kg**	**1.2**	3.8	**220**
2-Methylphenol	50	mg/kg	1.0	3.8	ND
2-Nitroaniline	50	mg/kg	0.79	3.8	ND
2-Nitrophenol	50	mg/kg	0.68	3.8	ND
3&4-Methylphenol	50	mg/kg	1.0	3.8	ND
3,3'-Dichlorobenzidine	50	mg/kg	2.8	3.8	ND
3-Nitroaniline	50	mg/kg	2.0	3.8	ND
4,6-Dinitro-2-methylphenol	50	mg/kg	1.6	3.8	ND
4-Bromophenyl-phenylether	50	mg/kg	0.59	3.8	ND
4-Chloro-3-methylphenol	50	mg/kg	1.1	3.8	ND
4-Chloroaniline	50	mg/kg	4.0	19	ND
4-Chlorophenyl-phenylether	50	mg/kg	0.42	3.8	ND
4-Nitroaniline	50	mg/kg	1.1	3.8	ND
4-Nitrophenol	50	mg/kg	1.4	3.8	ND
Acenaphthene	**50**	**mg/kg**	**0.46**	3.8	**85**
Acenaphthylene	**50**	**mg/kg**	**0.48**	3.8	**14**
Aniline	50	mg/kg	3.3	3.8	ND
Anthracene	**50**	**mg/kg**	**0.40**	3.8	**40**
Benzidine	50	mg/kg	6.2	19	ND
Benzo[a]anthracene	**50**	**mg/kg**	**0.33**	3.8	**20**
Benzo[a]pyrene	**50**	**mg/kg**	**0.49**	3.8	**16**
Benzo[b]fluoranthene	**50**	**mg/kg**	**0.43**	3.8	**12**
Benzo[g,h,i]perylene	**50**	**mg/kg**	**0.44**	3.8	**8.0**
Benzo[k]fluoranthene	**50**	**mg/kg**	**0.44**	3.8	**4.0**
Benzoic acid	50	mg/kg	7.8	19	ND
bis(2-Chloroethoxy)methane	50	mg/kg	0.43	3.8	ND
bis(2-Chloroethyl)ether	50	mg/kg	0.53	3.8	ND
bis(2-Chloroisopropyl)ether	50	mg/kg	5.9	19	ND

Sample ID: PJ Baseline-2 | **Collection Date: 12/21/2010**
Lab#: AC56495-002 | **Receipt Date: 12/22/2010**
Matrix: Soil

bis(2-Ethylhexyl)phthalate	50	mg/kg	1.4	3.8	ND
Butylbenzylphthalate	50	mg/kg	1.1	3.8	ND
Carbazole	**50**	**mg/kg**	**0.40**	3.8	**0.70J**
Chrysene	**50**	**mg/kg**	**0.28**	3.8	**19**
Dibenzo[a,h]anthracene	**50**	**mg/kg**	**0.39**	3.8	**1.7J**
Dibenzofuran	**50**	**mg/kg**	**1.0**	3.8	**4.4**
Diethylphthalate	50	mg/kg	0.60	3.8	ND
Dimethylphthalate	50	mg/kg	0.44	3.8	ND
Di-n-butylphthalate	50	mg/kg	0.79	3.8	ND
Di-n-octylphthalate	50	mg/kg	0.96	3.8	ND
Fluoranthene	**50**	**mg/kg**	**0.34**	3.8	**35**
Fluorene	**50**	**mg/kg**	**0.58**	3.8	**46**
Hexachlorobenzene	50	mg/kg	0.47	3.8	ND
Hexachlorobutadiene	50	mg/kg	0.77	3.8	ND
Hexachlorocyclopentadiene	50	mg/kg	4.6	19	ND
Hexachloroethane	50	mg/kg	0.57	3.8	ND
Indeno[1,2,3-cd]pyrene	**50**	**mg/kg**	**0.49**	3.8	**5.7**
Isophorone	50	mg/kg	0.52	3.8	ND
Naphthalene	**50**	**mg/kg**	**0.47**	0.95	**280**
Nitrobenzene	50	mg/kg	0.60	3.8	ND
N-Nitrosodimethylamine	50	mg/kg	2.7	3.8	ND
N-Nitroso-di-n-propylamine	50	mg/kg	0.52	3.8	ND
N-Nitrosodiphenylamine	50	mg/kg	0.42	3.8	ND
Pentachlorophenol	50	mg/kg	1.6	19	ND
Phenanthrene	**50**	**mg/kg**	**0.42**	3.8	**130**
Phenol	50	mg/kg	0.97	3.8	ND
Pyrene	**50**	**mg/kg**	**0.33**	3.8	**62**

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	mg/l	0.0026	0.20	ND
Barium	**1**	**mg/l**	**0.00014**	0.25	**0.14JB**
Cadmium	1	mg/l	0.00030	0.050	ND
Chromium	**1**	**mg/l**	**0.00076**	0.20	**0.0013J**
Lead	**1**	**mg/l**	**0.0024**	0.065	**0.0026J**
Selenium	**1**	**mg/l**	**0.0035**	0.20	**0.0035J**
Silver	1	mg/l	0.00067	0.050	ND

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**	**n/a**		**Completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	mg/l	0.00012	0.0020	ND
2,4,5-Trichlorophenol	1	mg/l	0.0018	0.0020	ND
2,4,6-Trichlorophenol	1	mg/l	0.00090	0.0020	ND
2,4-Dichlorophenol	1	mg/l	0.00061	0.0020	ND
2,4-Dimethylphenol	**1**	**mg/l**	**0.00070**	0.010	**0.0014J**
2,4-Dinitrophenol	1	mg/l	0.0011	0.010	ND
2,4-Dinitrotoluene	1	mg/l	0.00021	0.0020	ND
2,6-Dinitrotoluene	1	mg/l	0.00032	0.0020	ND
2-Chloronaphthalene	1	mg/l	0.00019	0.0020	ND
2-Chlorophenol	1	mg/l	0.00075	0.0020	ND
2-Methylnaphthalene	**1**	**mg/l**	**0.00079**	0.0020	**0.011**
2-Methylphenol	1	mg/l	0.0020	0.010	ND
2-Nitroaniline	1	mg/l	0.00083	0.0020	ND
2-Nitrophenol	1	mg/l	0.00058	0.0020	ND
3&4-Methylphenol	1	mg/l	0.0018	0.010	ND
3,3'-Dichlorobenzidine	1	mg/l	0.00091	0.0020	ND
3-Nitroaniline	1	mg/l	0.0019	0.0020	ND
4,6-Dinitro-2-methylphenol	1	mg/l	0.00059	0.0020	ND
4-Bromophenyl-phenylether	1	mg/l	0.00022	0.0020	ND
4-Chloro-3-methylphenol	1	mg/l	0.00058	0.0020	ND
4-Chloroaniline	1	mg/l	0.0011	0.010	ND
4-Chlorophenyl-phenylether	1	mg/l	0.00024	0.0020	ND
4-Nitroaniline	1	mg/l	0.0016	0.0020	ND
4-Nitrophenol	1	mg/l	0.00050	0.0020	ND
Acenaphthene	**1**	**mg/l**	**0.00021**	0.0020	**0.0057**

Sample ID: PJ Baseline-2 | **Collection Date:** 12/21/2010
Lab#: AC56495-002 | **Receipt Date:** 12/22/2010
Matrix: Soil

Analyte	DF	Units	MDL	RL	Result
Acenaphthylene	**1**	**mg/l**	**0.00014**	0.0020	**0.0014J**
Aniline	1	mg/l	0.00062	0.0020	ND
Anthracene	1	mg/l	0.00034	0.0020	ND
Benzidine	1	mg/l	0.0059	0.010	ND
Benzo[a]anthracene	1	mg/l	0.00013	0.0020	ND
Benzo[a]pyrene	**1**	**mg/l**	**0.00017**	0.0020	**0.00044J**
Benzo[b]fluoranthene	**1**	**mg/l**	**0.000097**	0.0020	**0.00023J**
Benzo[g,h,i]perylene	**1**	**mg/l**	**0.00017**	0.0020	**0.00039J**
Benzo[k]fluoranthene	1	mg/l	0.00024	0.0020	ND
Benzoic acid	1	mg/l	0.0020	0.010	ND
bis(2-Chloroethoxy)methane	1	mg/l	0.00013	0.0020	ND
bis(2-Chloroethyl)ether	1	mg/l	0.00027	0.0020	ND
bis(2-Chloroisopropyl)ether	1	mg/l	0.00025	0.0020	ND
bis(2-Ethylhexyl)phthalate	1	mg/l	0.00022	0.0020	ND
Butylbenzylphthalate	1	mg/l	0.00015	0.0020	ND
Carbazole	1	mg/l	0.00015	0.0020	ND
Chrysene	1	mg/l	0.00016	0.0020	ND
Dibenzo[a,h]anthracene	1	mg/l	0.00018	0.0020	ND
Dibenzofuran	1	mg/l	0.0011	0.0020	ND
Diethylphthalate	1	mg/l	0.00019	0.0020	ND
Dimethylphthalate	1	mg/l	0.00018	0.0020	ND
Di-n-butylphthalate	1	mg/l	0.00019	0.0020	ND
Di-n-octylphthalate	1	mg/l	0.00020	0.0020	ND
Fluoranthene	1	mg/l	0.00014	0.0020	ND
Fluorene	**1**	**mg/l**	**0.00020**	0.0020	**0.0013J**
Hexachlorobenzene	1	mg/l	0.00027	0.0020	ND
Hexachlorobutadiene	1	mg/l	0.00028	0.0020	ND
Hexachlorocyclopentadiene	1	mg/l	0.00083	0.010	ND
Hexachloroethane	1	mg/l	0.00034	0.0020	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/l**	**0.00013**	0.0020	**0.00030J**
Isophorone	1	mg/l	0.00015	0.0020	ND
Naphthalene	**1**	**mg/l**	**0.00016**	0.00050	**0.074**
Nitrobenzene	1	mg/l	0.00032	0.0020	ND
N-Nitrosodimethylamine	1	mg/l	0.0015	0.0020	ND
N-Nitroso-di-n-propylamine	1	mg/l	0.00027	0.0020	ND
N-Nitrosodiphenylamine	1	mg/l	0.00029	0.0020	ND
Pentachlorophenol	1	mg/l	0.0011	0.010	ND
Phenanthrene	**1**	**mg/l**	**0.00015**	0.0020	**0.00097J**
Phenol	**1**	**mg/l**	**0.00065**	0.0020	**0.00078J**
Pyrene	1	mg/l	0.00013	0.0020	ND

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	mg/l	0.00048	0.0010	ND
1,1,2,2-Tetrachloroethane	1	mg/l	0.00034	0.0010	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**mg/l**	**0.00082**	0.0010	**0.0018**
1,1,2-Trichloroethane	1	mg/l	0.00055	0.0010	ND
1,1-Dichloroethane	1	mg/l	0.00033	0.0010	ND
1,1-Dichloroethene	1	mg/l	0.00058	0.0010	ND
1,2,3-Trichloropropane	1	mg/l	0.00091	0.0010	ND
1,2,4-Trimethylbenzene	**1**	**mg/l**	**0.00024**	0.0010	**0.096**
1,2-Dichlorobenzene	1	mg/l	0.00077	0.0010	ND
1,2-Dichloroethane	1	mg/l	0.00043	0.00050	ND
1,2-Dichloropropane	1	mg/l	0.00037	0.0010	ND
1,3,5-Trimethylbenzene	**1**	**mg/l**	**0.00058**	0.0010	**0.029**
1,3-Dichlorobenzene	1	mg/l	0.00042	0.0010	ND
1,3-Dichloropropane	1	mg/l	0.00051	0.0010	ND
1,4-Dichlorobenzene	1	mg/l	0.00033	0.0010	ND
1,4-Dioxane	1	mg/l	0.027	0.050	ND
2-Butanone	1	mg/l	0.00090	0.0010	ND
2-Chloroethylvinylether	1	mg/l	0.00086	0.0010	ND
2-Hexanone	1	mg/l	0.00046	0.0010	ND
4-Isopropyltoluene	**1**	**mg/l**	**0.00049**	0.0010	**0.0065**
4-Methyl-2-pentanone	1	mg/l	0.00085	0.0010	ND
Acetone	**1**	**mg/l**	**0.0040**	0.0050	**0.023**
Acrolein	1	mg/l	0.0029	0.0050	ND
Acrylonitrile	1	mg/l	0.00092	0.0020	ND
Benzene	**1**	**mg/l**	**0.00037**	0.00050	**0.0038**
Bromodichloromethane	1	mg/l	0.00043	0.0010	ND

Sample ID: PJ Baseline-2 **Collection Date:** 12/21/2010
Lab#: AC56495-002 **Receipt Date:** 12/22/2010
Matrix: Soil

Bromoform	1	mg/l	0.00029	0.0010	ND
Bromomethane	1	mg/l	0.00097	0.0010	ND
Carbon disulfide	1	mg/l	0.00030	0.0010	ND
Carbon tetrachloride	1	mg/l	0.00067	0.0010	ND
Chlorobenzene	1	mg/l	0.00067	0.0010	ND
Chloroethane	1	mg/l	0.00076	0.0010	ND
Chloroform	1	mg/l	0.00036	0.0010	ND
Chloromethane	1	mg/l	0.00045	0.0010	ND
cis-1,2-Dichloroethene	1	mg/l	0.00029	0.0010	ND
cis-1,3-Dichloropropene	1	mg/l	0.00064	0.0010	ND
Dibromochloromethane	1	mg/l	0.00055	0.0010	ND
Dichlorodifluoromethane	1	mg/l	0.00051	0.0010	ND
Ethylbenzene	**1**	**mg/l**	**0.00065**	0.0010	**0.046**
Isopropylbenzene	**1**	**mg/l**	**0.00042**	0.0010	**0.0078**
m&p-Xylenes	**1**	**mg/l**	**0.00075**	0.0010	**0.10**
Methylene chloride	**1**	**mg/l**	**0.00077**	0.0010	**0.028**
Methyl-t-butyl ether	1	mg/l	0.00031	0.00050	ND
n-Butylbenzene	1	mg/l	0.00048	0.0010	ND
n-Propylbenzene	**1**	**mg/l**	**0.00034**	0.0010	**0.0013**
o-Xylene	**1**	**mg/l**	**0.00054**	0.0010	**0.070**
sec-Butylbenzene	**1**	**mg/l**	**0.00047**	0.0010	**0.00057J**
Styrene	1	mg/l	0.00033	0.0010	ND
t-Butyl Alcohol	1	mg/l	0.0050	0.0050	ND
t-Butylbenzene	1	mg/l	0.00025	0.0010	ND
Tetrachloroethene	1	mg/l	0.00033	0.0010	ND
Toluene	**1**	**mg/l**	**0.00040**	0.0010	**0.013**
trans-1,2-Dichloroethene	1	mg/l	0.00081	0.0010	ND
trans-1,3-Dichloropropene	1	mg/l	0.00061	0.0010	ND
Trichloroethene	1	mg/l	0.00045	0.0010	ND
Trichlorofluoromethane	1	mg/l	0.00086	0.0010	ND
Vinyl chloride	1	mg/l	0.00085	0.0010	ND
Xylenes (Total)	**1**	**mg/l**	**0.00054**	0.0010	**0.17**

SPLP VOLUMES

Analyte	DF	Units	RL	Result
SPLP Final Volume	**1**	**ml**		**2000**
SPLP Initial Weight	**1**	**grams**		**100**

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	988	mg/kg	0.54	1.1	ND
1,1,2,2-Tetrachloroethane	988	mg/kg	0.38	0.56	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	988	mg/kg	0.92	1.1	ND
1,1,2-Trichloroethane	988	mg/kg	0.62	1.1	ND
1,1-Dichloroethane	988	mg/kg	0.37	1.1	ND
1,1-Dichloroethene	988	mg/kg	0.66	1.1	ND
1,2,3-Trichloropropane	988	mg/kg	1.0	1.1	ND
1,2,4-Trimethylbenzene	**988**	**mg/kg**	**0.27**	1.1	**22**
1,2-Dichlorobenzene	988	mg/kg	0.86	1.1	ND
1,2-Dichloroethane	988	mg/kg	0.48	0.56	ND
1,2-Dichloropropane	988	mg/kg	0.41	1.1	ND
1,3,5-Trimethylbenzene	**988**	**mg/kg**	**0.65**	1.1	**6.5**
1,3-Dichlorobenzene	988	mg/kg	0.47	1.1	ND
1,3-Dichloropropane	988	mg/kg	0.57	1.1	ND
1,4-Dichlorobenzene	988	mg/kg	0.37	1.1	ND
1,4-Dioxane	988	mg/kg	31	56	ND
2-Butanone	988	mg/kg	1.0	1.1	ND
2-Chloroethylvinylether	988	mg/kg	0.97	1.1	ND
2-Hexanone	988	mg/kg	0.51	1.1	ND
4-Isopropyltoluene	**988**	**mg/kg**	**0.55**	1.1	**2.6**
4-Methyl-2-pentanone	988	mg/kg	0.96	1.1	ND
Acetone	988	mg/kg	4.4	5.6	ND
Acrolein	988	mg/kg	3.2	5.6	ND
Acrylonitrile	988	mg/kg	1.0	2.2	ND
Benzene	988	mg/kg	0.41	0.56	ND
Bromodichloromethane	988	mg/kg	0.48	0.56	ND
Bromoform	988	mg/kg	0.32	1.1	ND
Bromomethane	988	mg/kg	1.1	1.1	ND
Carbon disulfide	988	mg/kg	0.34	1.1	ND

Sample ID: PJ Baseline-2 **Collection Date: 12/21/2010**
Lab#: AC56495-002 **Receipt Date: 12/22/2010**
Matrix: Soil

Carbon tetrachloride	988	mg/kg	0.75	1.1	ND
Chlorobenzene	988	mg/kg	0.75	1.1	ND
Chloroethane	988	mg/kg	0.86	1.1	ND
Chloroform	988	mg/kg	0.41	1.1	ND
Chloromethane	988	mg/kg	0.50	1.1	ND
cis-1,2-Dichloroethene	988	mg/kg	0.32	1.1	ND
cis-1,3-Dichloropropene	988	mg/kg	0.71	1.1	ND
Dibromochloromethane	988	mg/kg	0.62	1.1	ND
Dichlorodifluoromethane	988	mg/kg	0.57	1.1	ND
Ethylbenzene	**988**	**mg/kg**	**0.73**	1.1	**9.1**
Isopropylbenzene	**988**	**mg/kg**	**0.47**	1.1	**2.2**
m&p-Xylenes	**988**	**mg/kg**	**0.84**	1.1	**17**
Methylene chloride	988	mg/kg	0.87	1.1	ND
Methyl-t-butyl ether	988	mg/kg	0.35	0.56	ND
n-Butylbenzene	**988**	**mg/kg**	**0.54**	1.1	**0.99J**
n-Propylbenzene	**988**	**mg/kg**	**0.38**	1.1	**0.68J**
o-Xylene	**988**	**mg/kg**	**0.60**	1.1	**11**
sec-Butylbenzene	**988**	**mg/kg**	**0.52**	1.1	**0.55J**
Styrene	988	mg/kg	0.37	1.1	ND
t-Butyl Alcohol	988	mg/kg	5.6	5.6	ND
t-Butylbenzene	988	mg/kg	0.28	1.1	ND
Tetrachloroethene	988	mg/kg	0.37	1.1	ND
Toluene	**988**	**mg/kg**	**0.44**	1.1	**1.6**
trans-1,2-Dichloroethene	988	mg/kg	0.91	1.1	ND
trans-1,3-Dichloropropene	988	mg/kg	0.69	1.1	ND
Trichloroethene	988	mg/kg	0.50	1.1	ND
Trichlorofluoromethane	988	mg/kg	0.96	1.1	ND
Vinyl chloride	988	mg/kg	0.95	1.1	ND
Xylenes (Total)	**988**	**mg/kg**	**0.60**	1.1	**28**

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-001(80uL)
Client Id: PJ Baseline-1
Data File: 8M61794.D
Analysis Date: 12/30/10 09:45
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5.05g:10ml
Final Vol: NA
Dilution: 990
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.54	U	56-23-5	Carbon Tetrachloride	0.75	U
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U	108-90-7	Chlorobenzene	0.75	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.92	U	75-00-3	Chloroethane	0.86	U
79-00-5	1,1,2-Trichloroethane	0.62	U	67-66-3	Chloroform	0.41	U
75-34-3	1,1-Dichloroethane	0.37	U	74-87-3	Chloromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.66	U	156-59-2	cis-1,2-Dichloroethene	0.32	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.72	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.27**	**21**	124-48-1	Dibromochloromethane	0.62	U
95-50-1	1,2-Dichlorobenzene	0.86	U	75-71-8	Dichlorodifluoromethane	0.57	U
107-06-2	1,2-Dichloroethane	0.48	U	**100-41-4**	**Ethylbenzene**	**0.73**	**8.5**
78-87-5	1,2-Dichloropropane	0.41	U	**98-82-8**	**Isopropylbenzene**	**0.47**	**2.2**
108-67-8	**1,3,5-Trimethylbenzene**	**0.65**	**6.4**	**136777612**	**m&p-Xylenes**	**0.84**	**18**
541-73-1	1,3-Dichlorobenzene	0.47	U	75-09-2	Methylene Chloride	0.87	U
142-28-9	1,3-Dichloropropane	0.57	U	1634-04-4	Methyl-t-butyl ether	0.35	U
106-46-7	1,4-Dichlorobenzene	0.37	U	104-51-8	n-Butylbenzene	0.54	U
123-91-1	1,4-Dioxane	31	U	**103-65-1**	**n-Propylbenzene**	**0.38**	**0.75 J**
78-93-3	2-Butanone	1.0	U	**95-47-6**	**o-Xylene**	**0.61**	**10**
110-75-8	2-Chloroethylvinylether	0.97	U	135-98-8	sec-Butylbenzene	0.52	U
591-78-6	2-Hexanone	0.52	U	100-42-5	Styrene	0.37	U
99-87-6	**4-Isopropyltoluene**	**0.55**	**2.2**	75-65-0	t-Butyl Alcohol	5.6	U
108-10-1	4-Methyl-2-Pentanone	0.96	U	98-06-6	t-Butylbenzene	0.28	U
67-64-1	Acetone	4.4	U	127-18-4	Tetrachloroethene	0.37	U
107-02-8	Acrolein	3.2	U	**108-88-3**	**Toluene**	**0.45**	**2.0**
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	0.91	U
71-43-2	**Benzene**	**0.41**	**0.57**	10061-02-6	trans-1,3-Dichloropropene	0.69	U
75-27-4	Bromodichloromethane	0.48	U	79-01-6	Trichloroethene	0.50	U
75-25-2	Bromoform	0.32	U	75-69-4	Trichlorofluoromethane	0.96	U
74-83-9	Bromomethane	1.1	U	75-01-4	Vinyl Chloride	0.95	U
75-15-0	Carbon Disulfide	0.34	U	**1330-20-7**	**Xylenes (Total)**	**0.61**	**28**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-002(80uL)
Client Id: PJ Baseline-2
Data File: 8M61793.D
Analysis Date: 12/30/10 09:29
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5.06g:10ml
Final Vol: NA
Dilution: 988
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.54	U	56-23-5	Carbon Tetrachloride	0.75	U
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U	108-90-7	Chlorobenzene	0.75	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.92	U	75-00-3	Chloroethane	0.86	U
79-00-5	1,1,2-Trichloroethane	0.62	U	67-66-3	Chloroform	0.41	U
75-34-3	1,1-Dichloroethane	0.37	U	74-87-3	Chloromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.66	U	156-59-2	cis-1,2-Dichloroethene	0.32	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.71	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.27**	**22**	124-48-1	Dibromochloromethane	0.62	U
95-50-1	1,2-Dichlorobenzene	0.86	U	75-71-8	Dichlorodifluoromethane	0.57	U
107-06-2	1,2-Dichloroethane	0.48	U	**100-41-4**	**Ethylbenzene**	**0.73**	**9.1**
78-87-5	1,2-Dichloropropane	0.41	U	**98-82-8**	**Isopropylbenzene**	**0.47**	**2.2**
108-67-8	**1,3,5-Trimethylbenzene**	**0.65**	**6.5**	**136777612**	**m&p-Xylenes**	**0.84**	**17**
541-73-1	1,3-Dichlorobenzene	0.47	U	75-09-2	Methylene Chloride	0.87	U
142-28-9	1,3-Dichloropropane	0.57	U	1634-04-4	Methyl-t-butyl ether	0.35	U
106-46-7	1,4-Dichlorobenzene	0.37	U	**104-51-8**	**n-Butylbenzene**	**0.54**	**0.99 J**
123-91-1	1,4-Dioxane	31	U	**103-65-1**	**n-Propylbenzene**	**0.38**	**0.68 J**
78-93-3	2-Butanone	1.0	U	**95-47-6**	**o-Xylene**	**0.60**	**11**
110-75-8	2-Chloroethylvinylether	0.97	U	**135-98-8**	**sec-Butylbenzene**	**0.52**	**0.55 J**
591-78-6	2-Hexanone	0.51	U	100-42-5	Styrene	0.37	U
99-87-6	**4-Isopropyltoluene**	**0.55**	**2.6**	75-65-0	t-Butyl Alcohol	5.6	U
108-10-1	4-Methyl-2-Pentanone	0.96	U	98-06-6	t-Butylbenzene	0.28	U
67-64-1	Acetone	4.4	U	127-18-4	Tetrachloroethene	0.37	U
107-02-8	Acrolein	3.2	U	**108-88-3**	**Toluene**	**0.44**	**1.6**
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	0.91	U
71-43-2	Benzene	0.41	U	10061-02-6	trans-1,3-Dichloropropene	0.69	U
75-27-4	Bromodichloromethane	0.48	U	79-01-6	Trichloroethene	0.50	U
75-25-2	Bromoform	0.32	U	75-69-4	Trichlorofluoromethane	0.96	U
74-83-9	Bromomethane	1.1	U	75-01-4	Vinyl Chloride	0.95	U
75-15-0	Carbon Disulfide	0.34	U	**1330-20-7**	**Xylenes (Total)**	**0.60**	**28**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-001(50X)
Client Id: PJ Baseline-1
Data File: 9M31340.D
Analysis Date: 12/29/10 11:48
Date Rec/Extracted: 12/22/10-12/28/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 50
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.38	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.44**	**4.1**
95-95-4	2,4,5-Trichlorophenol	0.64	U	65-85-0	Benzoic Acid	7.8	U
88-06-2	2,4,6-Trichlorophenol	1.1	U	111-91-1	bis(2-Chloroethoxy)methan	0.43	U
120-83-2	2,4-Dichlorophenol	1.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
105-67-9	2,4-Dimethylphenol	2.6	U	108-60-1	bis(2-chloroisopropyl)ether	5.9	U
51-28-5	2,4-Dinitrophenol	1.9	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U
121-14-2	2,4-Dinitrotoluene	0.77	U	85-68-7	Butylbenzylphthalate	1.1	U
606-20-2	2,6-Dinitrotoluene	0.80	U	**86-74-8**	**Carbazole**	**0.40**	**0.64 J**
91-58-7	2-Chloronaphthalene	0.45	U	**218-01-9**	**Chrysene**	**0.28**	**17**
95-57-8	2-Chlorophenol	0.76	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.39**	**2.0 J**
91-57-6	**2-Methylnaphthalene**	**1.2**	**190**	**132-64-9**	**Dibenzofuran**	**1.0**	**4.0**
95-48-7	2-Methylphenol	1.0	U	84-66-2	Diethylphthalate	0.60	U
88-74-4	2-Nitroaniline	0.79	U	131-11-3	Dimethylphthalate	0.44	U
88-75-5	2-Nitrophenol	0.68	U	84-74-2	Di-n-butylphthalate	0.79	U
106-44-5	3&4-Methylphenol	1.0	U	117-84-0	Di-n-octylphthalate	0.96	U
91-94-1	3,3'-Dichlorobenzidine	2.8	U	**206-44-0**	**Fluoranthene**	**0.34**	**31**
99-09-2	3-Nitroaniline	2.0	U	**86-73-7**	**Fluorene**	**0.58**	**40**
534-52-1	4,6-Dinitro-2-methylphenol	1.6	U	118-74-1	Hexachlorobenzene	0.47	U
101-55-3	4-Bromophenyl-phenylether	0.59	U	87-68-3	Hexachlorobutadiene	0.77	U
59-50-7	4-Chloro-3-methylphenol	1.1	U	77-47-4	Hexachlorocyclopentadiene	4.6	U
106-47-8	4-Chloroaniline	4.0	U	67-72-1	Hexachloroethane	0.57	U
7005-72-3	4-Chlorophenyl-phenylether	0.42	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.49**	**4.8**
100-01-6	4-Nitroaniline	1.1	U	78-59-1	Isophorone	0.52	U
100-02-7	4-Nitrophenol	1.4	U	**91-20-3**	**Naphthalene**	**0.47**	**250**
83-32-9	**Acenaphthene**	**0.46**	**75**	98-95-3	Nitrobenzene	0.60	U
208-96-8	**Acenaphthylene**	**0.48**	**13**	62-75-9	N-Nitrosodimethylamine	2.7	U
62-53-3	Aniline	3.3	U	621-64-7	N-Nitroso-di-n-propylamine	0.52	U
120-12-7	**Anthracene**	**0.40**	**35**	86-30-6	n-Nitrosodiphenylamine	0.42	U
92-87-5	Benzidine	6.2	U	87-86-5	Pentachlorophenol	1.6	U
56-55-3	**Benzo[a]anthracene**	**0.33**	**18**	**85-01-8**	**Phenanthrene**	**0.42**	**120**
50-32-8	**Benzo[a]pyrene**	**0.49**	**14**	108-95-2	Phenol	0.97	U
205-99-2	**Benzo[b]fluoranthene**	**0.43**	**11**	**129-00-0**	**Pyrene**	**0.33**	**53**
191-24-2	**Benzo[g,h,i]perylene**	**0.44**	**6.2**				

Worksheet #: 182508

Total Target Concentration 890

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-002(50X)
Client Id: PJ Baseline-2
Data File: 9M31341.D
Analysis Date: 12/29/10 12:11
Date Rec/Extracted: 12/22/10-12/28/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 50
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.38	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.44**	**4.0**
95-95-4	2,4,5-Trichlorophenol	0.64	U	65-85-0	Benzoic Acid	7.8	U
88-06-2	2,4,6-Trichlorophenol	1.1	U	111-91-1	bis(2-Chloroethoxy)methan	0.43	U
120-83-2	2,4-Dichlorophenol	1.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
105-67-9	2,4-Dimethylphenol	2.6	U	108-60-1	bis(2-chloroisopropyl)ether	5.9	U
51-28-5	2,4-Dinitrophenol	1.9	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U
121-14-2	2,4-Dinitrotoluene	0.77	U	85-68-7	Butylbenzylphthalate	1.1	U
606-20-2	2,6-Dinitrotoluene	0.80	U	**86-74-8**	**Carbazole**	**0.40**	**0.70 J**
91-58-7	2-Chloronaphthalene	0.45	U	**218-01-9**	**Chrysene**	**0.28**	**19**
95-57-8	2-Chlorophenol	0.76	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.39**	**1.7 J**
91-57-6	**2-Methylnaphthalene**	**1.2**	**220**	**132-64-9**	**Dibenzofuran**	**1.0**	**4.4**
95-48-7	2-Methylphenol	1.0	U	84-66-2	Diethylphthalate	0.60	U
88-74-4	2-Nitroaniline	0.79	U	131-11-3	Dimethylphthalate	0.44	U
88-75-5	2-Nitrophenol	0.68	U	84-74-2	Di-n-butylphthalate	0.79	U
106-44-5	3&4-Methylphenol	1.0	U	117-84-0	Di-n-octylphthalate	0.96	U
91-94-1	3,3'-Dichlorobenzidine	2.8	U	**206-44-0**	**Fluoranthene**	**0.34**	**35**
99-09-2	3-Nitroaniline	2.0	U	**86-73-7**	**Fluorene**	**0.58**	**46**
534-52-1	4,6-Dinitro-2-methylphenol	1.6	U	118-74-1	Hexachlorobenzene	0.47	U
101-55-3	4-Bromophenyl-phenylether	0.59	U	87-68-3	Hexachlorobutadiene	0.77	U
59-50-7	4-Chloro-3-methylphenol	1.1	U	77-47-4	Hexachlorocyclopentadiene	4.6	U
106-47-8	4-Chloroaniline	4.0	U	67-72-1	Hexachloroethane	0.57	U
7005-72-3	4-Chlorophenyl-phenylether	0.42	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.49**	**5.7**
100-01-6	4-Nitroaniline	1.1	U	78-59-1	Isophorone	0.52	U
100-02-7	4-Nitrophenol	1.4	U	**91-20-3**	**Naphthalene**	**0.47**	**280**
83-32-9	**Acenaphthene**	**0.46**	**85**	98-95-3	Nitrobenzene	0.60	U
208-96-8	**Acenaphthylene**	**0.48**	**14**	62-75-9	N-Nitrosodimethylamine	2.7	U
62-53-3	Aniline	3.3	U	621-64-7	N-Nitroso-di-n-propylamine	0.52	U
120-12-7	**Anthracene**	**0.40**	**40**	86-30-6	n-Nitrosodiphenylamine	0.42	U
92-87-5	Benzidine	6.2	U	87-86-5	Pentachlorophenol	1.6	U
56-55-3	**Benzo[a]anthracene**	**0.33**	**20**	**85-01-8**	**Phenanthrene**	**0.42**	**130**
50-32-8	**Benzo[a]pyrene**	**0.49**	**16**	108-95-2	Phenol	0.97	U
205-99-2	**Benzo[b]fluoranthene**	**0.43**	**12**	**129-00-0**	**Pyrene**	**0.33**	**62**
191-24-2	**Benzo[g,h,i]perylene**	**0.44**	**8.0**				

Worksheet #: 182508

Total Target Concentration 1000

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-001	% Solid:	88	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-1	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.52	3.5	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-39-3	Barium	0.030	46B	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-43-9	Cadmium	0.035	ND	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-47-3	Chromium	0.18	14	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7439-92-1	Lead	0.22	13	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7439-97-6	Mercury	0.015	ND	1	0.15	25	12/23/10	3190	H12188S	37	CV	HGCV2A
7782-49-2	Selenium	1.1	ND	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-22-4	Silver	0.068	ND	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-002	% Solid:	88	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-2	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.52	4.0	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-39-3	Barium	0.030	44B	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-43-9	Cadmium	0.035	ND	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-47-3	Chromium	0.18	15	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7439-92-1	Lead	0.22	13	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7439-97-6	Mercury	0.015	ND	1	0.15	25	12/23/10	3190	H12188S	38	CV	HGCV2A
7782-49-2	Selenium	1.1	ND	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-22-4	Silver	0.068	ND	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G

Project #: 0122205

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC56495-001	PJ Baseline-1	Soil	**1**	**88**	**Percent**			12/23/10	12/22/10	12/21/10
AC56495-002	PJ Baseline-2	Soil	**1**	**88**	**Percent**			12/23/10	12/22/10	12/21/10

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-001(T)
Client Id: PJ Baseline-1
Data File: 3M85899.D
Analysis Date: 12/30/10 08:01
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.00048	U	56-23-5	Carbon Tetrachloride	0.00067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00034	U	108-90-7	Chlorobenzene	0.00067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.00082	U	75-00-3	Chloroethane	0.00076	U
79-00-5	1,1,2-Trichloroethane	0.00055	U	67-66-3	Chloroform	0.00036	U
75-34-3	1,1-Dichloroethane	0.00033	U	74-87-3	Chloromethane	0.00045	U
75-35-4	1,1-Dichloroethene	0.00058	U	156-59-2	cis-1,2-Dichloroethene	0.00029	U
96-18-4	1,2,3-Trichloropropane	0.00091	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.00024**	**0.099**	124-48-1	Dibromochloromethane	0.00055	U
95-50-1	1,2-Dichlorobenzene	0.00077	U	75-71-8	Dichlorodifluoromethane	0.00051	U
107-06-2	1,2-Dichloroethane	0.00043	U	**100-41-4**	**Ethylbenzene**	**0.00065**	**0.054**
78-87-5	1,2-Dichloropropane	0.00037	U	**98-82-8**	**Isopropylbenzene**	**0.00042**	**0.0073**
108-67-8	**1,3,5-Trimethylbenzene**	**0.00058**	**0.027**	**136777612**	**m&p-Xylenes**	**0.00075**	**0.12**
541-73-1	1,3-Dichlorobenzene	0.00042	U	**75-09-2**	**Methylene Chloride**	**0.00077**	**0.26**
142-28-9	1,3-Dichloropropane	0.00051	U	1634-04-4	Methyl-t-butyl ether	0.00031	U
106-46-7	1,4-Dichlorobenzene	0.00033	U	104-51-8	n-Butylbenzene	0.00048	U
123-91-1	1,4-Dioxane	0.027	U	**103-65-1**	**n-Propylbenzene**	**0.00034**	**0.0013**
78-93-3	2-Butanone	0.00090	U	**95-47-6**	**o-Xylene**	**0.00054**	**0.091**
110-75-8	2-Chloroethylvinylether	0.00086	U	135-98-8	sec-Butylbenzene	0.00047	U
591-78-6	2-Hexanone	0.00046	U	100-42-5	Styrene	0.00033	U
99-87-6	**4-Isopropyltoluene**	**0.00049**	**0.0050**	75-65-0	t-Butyl Alcohol	0.0050	U
108-10-1	4-Methyl-2-Pentanone	0.00085	U	98-06-6	t-Butylbenzene	0.00025	U
67-64-1	**Acetone**	**0.0040**	**0.028**	127-18-4	Tetrachloroethene	0.00033	U
107-02-8	Acrolein	0.0029	U	**108-88-3**	**Toluene**	**0.00040**	**0.020**
107-13-1	Acrylonitrile	0.00092	U	156-60-5	trans-1,2-Dichloroethene	0.00081	U
71-43-2	**Benzene**	**0.00037**	**0.0074**	10061-02-6	trans-1,3-Dichloropropene	0.00061	U
75-27-4	Bromodichloromethane	0.00043	U	79-01-6	Trichloroethene	0.00045	U
75-25-2	Bromoform	0.00029	U	75-69-4	Trichlorofluoromethane	0.00086	U
74-83-9	Bromomethane	0.00097	U	75-01-4	Vinyl Chloride	0.00085	U
75-15-0	Carbon Disulfide	0.00030	U	**1330-20-7**	**Xylenes (Total)**	**0.00054**	**0.211**

Worksheet #: 182506

Total Target Concentration 0.72

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-002(T)
Client Id: PJ Baseline-2
Data File: 3M85900.D
Analysis Date: 12/30/10 08:18
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.00048	U	56-23-5	Carbon Tetrachloride	0.00067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00034	U	108-90-7	Chlorobenzene	0.00067	U
76-13-1	**1,1,2-Trichloro-1,2,2-triflu**	**0.00082**	**0.0018**	75-00-3	Chloroethane	0.00076	U
79-00-5	1,1,2-Trichloroethane	0.00055	U	67-66-3	Chloroform	0.00036	U
75-34-3	1,1-Dichloroethane	0.00033	U	74-87-3	Chloromethane	0.00045	U
75-35-4	1,1-Dichloroethene	0.00058	U	156-59-2	cis-1,2-Dichloroethene	0.00029	U
96-18-4	1,2,3-Trichloropropane	0.00091	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.00024**	**0.096**	124-48-1	Dibromochloromethane	0.00055	U
95-50-1	1,2-Dichlorobenzene	0.00077	U	75-71-8	Dichlorodifluoromethane	0.00051	U
107-06-2	1,2-Dichloroethane	0.00043	U	**100-41-4**	**Ethylbenzene**	**0.00065**	**0.046**
78-87-5	1,2-Dichloropropane	0.00037	U	**98-82-8**	**Isopropylbenzene**	**0.00042**	**0.0078**
108-67-8	**1,3,5-Trimethylbenzene**	**0.00058**	**0.029**	**136777612**	**m&p-Xylenes**	**0.00075**	**0.10**
541-73-1	1,3-Dichlorobenzene	0.00042	U	**75-09-2**	**Methylene Chloride**	**0.00077**	**0.028**
142-28-9	1,3-Dichloropropane	0.00051	U	1634-04-4	Methyl-t-butyl ether	0.00031	U
106-46-7	1,4-Dichlorobenzene	0.00033	U	104-51-8	n-Butylbenzene	0.00048	U
123-91-1	1,4-Dioxane	0.027	U	**103-65-1**	**n-Propylbenzene**	**0.00034**	**0.0013**
78-93-3	2-Butanone	0.00090	U	**95-47-6**	**o-Xylene**	**0.00054**	**0.070**
110-75-8	2-Chloroethylvinylether	0.00086	U	**135-98-8**	**sec-Butylbenzene**	**0.00047**	**0.00057 J**
591-78-6	2-Hexanone	0.00046	U	100-42-5	Styrene	0.00033	U
99-87-6	**4-Isopropyltoluene**	**0.00049**	**0.0065**	75-65-0	t-Butyl Alcohol	0.0050	U
108-10-1	4-Methyl-2-Pentanone	0.00085	U	98-06-6	t-Butylbenzene	0.00025	U
67-64-1	**Acetone**	**0.0040**	**0.023**	127-18-4	Tetrachloroethene	0.00033	U
107-02-8	Acrolein	0.0029	U	**108-88-3**	**Toluene**	**0.00040**	**0.013**
107-13-1	Acrylonitrile	0.00092	U	156-60-5	trans-1,2-Dichloroethene	0.00081	U
71-43-2	**Benzene**	**0.00037**	**0.0038**	10061-02-6	trans-1,3-Dichloropropene	0.00061	U
75-27-4	Bromodichloromethane	0.00043	U	79-01-6	Trichloroethene	0.00045	U
75-25-2	Bromoform	0.00029	U	75-69-4	Trichlorofluoromethane	0.00086	U
74-83-9	Bromomethane	0.00097	U	75-01-4	Vinyl Chloride	0.00085	U
75-15-0	Carbon Disulfide	0.00030	U	**1330-20-7**	**Xylenes (Total)**	**0.00054**	**0.17**

Worksheet #: 182506

Total Target Concentration 0.43

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-001(T)
Client Id: PJ Baseline-1
Data File: 9M31357.D
Analysis Date: 12/29/10 18:20
Date Rec/Extracted: 12/22/10-12/29/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.00012	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.00024**	**0.00051 J**
95-95-4	2,4,5-Trichlorophenol	0.0018	U	65-85-0	Benzoic Acid	0.0020	U
88-06-2	2,4,6-Trichlorophenol	0.00090	U	111-91-1	bis(2-Chloroethoxy)methan	0.00013	U
120-83-2	2,4-Dichlorophenol	0.00061	U	111-44-4	bis(2-Chloroethyl)ether	0.00027	U
105-67-9	**2,4-Dimethylphenol**	**0.00070**	**0.0017 J**	108-60-1	bis(2-chloroisopropyl)ether	0.00025	U
51-28-5	2,4-Dinitrophenol	0.0011	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.00022	U
121-14-2	2,4-Dinitrotoluene	0.00021	U	85-68-7	Butylbenzylphthalate	0.00015	U
606-20-2	2,6-Dinitrotoluene	0.00032	U	86-74-8	Carbazole	0.00015	U
91-58-7	2-Chloronaphthalene	0.00019	U	**218-01-9**	**Chrysene**	**0.00016**	**0.00042 J**
95-57-8	2-Chlorophenol	0.00075	U	53-70-3	Dibenzo[a,h]anthracene	0.00018	U
91-57-6	**2-Methylnaphthalene**	**0.00079**	**0.016**	132-64-9	Dibenzofuran	0.0011	U
95-48-7	2-Methylphenol	0.0020	U	84-66-2	Diethylphthalate	0.00019	U
88-74-4	2-Nitroaniline	0.00083	U	131-11-3	Dimethylphthalate	0.00018	U
88-75-5	2-Nitrophenol	0.00058	U	84-74-2	Di-n-butylphthalate	0.00019	U
106-44-5	3&4-Methylphenol	0.0018	U	117-84-0	Di-n-octylphthalate	0.00020	U
91-94-1	3,3'-Dichlorobenzidine	0.00091	U	206-44-0	Fluoranthene	0.00014	U
99-09-2	3-Nitroaniline	0.0019	U	**86-73-7**	**Fluorene**	**0.00020**	**0.0016 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.00059	U	118-74-1	Hexachlorobenzene	0.00027	U
101-55-3	4-Bromophenyl-phenylether	0.00022	U	87-68-3	Hexachlorobutadiene	0.00028	U
59-50-7	4-Chloro-3-methylphenol	0.00058	U	77-47-4	Hexachlorocyclopentadiene	0.00083	U
106-47-8	4-Chloroaniline	0.0011	U	67-72-1	Hexachloroethane	0.00034	U
7005-72-3	4-Chlorophenyl-phenylether	0.00024	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.00013**	**0.00058 J**
100-01-6	4-Nitroaniline	0.0016	U	78-59-1	Isophorone	0.00015	U
100-02-7	4-Nitrophenol	0.00050	U	**91-20-3**	**Naphthalene**	**0.00016**	**0.10**
83-32-9	**Acenaphthene**	**0.00021**	**0.0065**	98-95-3	Nitrobenzene	0.00032	U
208-96-8	**Acenaphthylene**	**0.00014**	**0.0022**	62-75-9	N-Nitrosodimethylamine	0.0015	U
62-53-3	Aniline	0.00062	U	621-64-7	N-Nitroso-di-n-propylamine	0.00027	U
120-12-7	**Anthracene**	**0.00034**	**0.00045 J**	86-30-6	n-Nitrosodiphenylamine	0.00029	U
92-87-5	Benzidine	0.0059	U	87-86-5	Pentachlorophenol	0.0011	U
56-55-3	**Benzo[a]anthracene**	**0.00013**	**0.00028 J**	**85-01-8**	**Phenanthrene**	**0.00015**	**0.0014 J**
50-32-8	**Benzo[a]pyrene**	**0.00017**	**0.0011 J**	**108-95-2**	**Phenol**	**0.00065**	**0.0010 J**
205-99-2	**Benzo[b]fluoranthene**	**0.000097**	**0.00059 J**	129-00-0	Pyrene	0.00013	U
191-24-2	**Benzo[g,h,i]perylene**	**0.00017**	**0.00078 J**				

Worksheet #: 182509

Total Target Concentration 0.14

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-002(T)
Client Id: PJ Baseline-2
Data File: 9M31358.D
Analysis Date: 12/29/10 18:43
Date Rec/Extracted: 12/22/10-12/29/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.00012	U	207-08-9	Benzo[k]fluoranthene	0.00024	U
95-95-4	2,4,5-Trichlorophenol	0.0018	U	65-85-0	Benzoic Acid	0.0020	U
88-06-2	2,4,6-Trichlorophenol	0.00090	U	111-91-1	bis(2-Chloroethoxy)methan	0.00013	U
120-83-2	2,4-Dichlorophenol	0.00061	U	111-44-4	bis(2-Chloroethyl)ether	0.00027	U
105-67-9	**2,4-Dimethylphenol**	**0.00070**	**0.0014 J**	108-60-1	bis(2-chloroisopropyl)ether	0.00025	U
51-28-5	2,4-Dinitrophenol	0.0011	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.00022	U
121-14-2	2,4-Dinitrotoluene	0.00021	U	85-68-7	Butylbenzylphthalate	0.00015	U
606-20-2	2,6-Dinitrotoluene	0.00032	U	86-74-8	Carbazole	0.00015	U
91-58-7	2-Chloronaphthalene	0.00019	U	218-01-9	Chrysene	0.00016	U
95-57-8	2-Chlorophenol	0.00075	U	53-70-3	Dibenzo[a,h]anthracene	0.00018	U
91-57-6	**2-Methylnaphthalene**	**0.00079**	**0.011**	132-64-9	Dibenzofuran	0.0011	U
95-48-7	2-Methylphenol	0.0020	U	84-66-2	Diethylphthalate	0.00019	U
88-74-4	2-Nitroaniline	0.00083	U	131-11-3	Dimethylphthalate	0.00018	U
88-75-5	2-Nitrophenol	0.00058	U	84-74-2	Di-n-butylphthalate	0.00019	U
106-44-5	3&4-Methylphenol	0.0018	U	117-84-0	Di-n-octylphthalate	0.00020	U
91-94-1	3,3'-Dichlorobenzidine	0.00091	U	206-44-0	Fluoranthene	0.00014	U
99-09-2	3-Nitroaniline	0.0019	U	**86-73-7**	**Fluorene**	**0.00020**	**0.0013 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.00059	U	118-74-1	Hexachlorobenzene	0.00027	U
101-55-3	4-Bromophenyl-phenylether	0.00022	U	87-68-3	Hexachlorobutadiene	0.00028	U
59-50-7	4-Chloro-3-methylphenol	0.00058	U	77-47-4	Hexachlorocyclopentadiene	0.00083	U
106-47-8	4-Chloroaniline	0.0011	U	67-72-1	Hexachloroethane	0.00034	U
7005-72-3	4-Chlorophenyl-phenylether	0.00024	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.00013**	**0.00030 J**
100-01-6	4-Nitroaniline	0.0016	U	78-59-1	Isophorone	0.00015	U
100-02-7	4-Nitrophenol	0.00050	U	**91-20-3**	**Naphthalene**	**0.00016**	**0.074**
83-32-9	**Acenaphthene**	**0.00021**	**0.0057**	98-95-3	Nitrobenzene	0.00032	U
208-96-8	**Acenaphthylene**	**0.00014**	**0.0014 J**	62-75-9	N-Nitrosodimethylamine	0.0015	U
62-53-3	Aniline	0.00062	U	621-64-7	N-Nitroso-di-n-propylamine	0.00027	U
120-12-7	Anthracene	0.00034	U	86-30-6	n-Nitrosodiphenylamine	0.00029	U
92-87-5	Benzidine	0.0059	U	87-86-5	Pentachlorophenol	0.0011	U
56-55-3	Benzo[a]anthracene	0.00013	U	**85-01-8**	**Phenanthrene**	**0.00015**	**0.00097 J**
50-32-8	**Benzo[a]pyrene**	**0.00017**	**0.00044 J**	**108-95-2**	**Phenol**	**0.00065**	**0.00078 J**
205-99-2	**Benzo[b]fluoranthene**	**0.000097**	**0.00023 J**	129-00-0	Pyrene	0.00013	U
191-24-2	**Benzo[g,h,i]perylene**	**0.00017**	**0.00039 J**				

Worksheet #: 182509

Total Target Concentration 0.098

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-1	Units:	MG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.0026	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-39-3	Barium	0.00014	0.18JB	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-43-9	Cadmium	0.00030	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-47-3	Chromium	0.00076	0.0035J	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7439-92-1	Lead	0.0024	0.010J	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7439-97-6	Mercury	0.000055	ND	1	25	25	12/30/10	3193	H12191SP	14	CV	HGCV2A
7782-49-2	Selenium	0.0035	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-22-4	Silver	0.00067	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-002	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-2	Units:	MG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.0026	ND	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-39-3	Barium	0.00014	0.14JB	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-43-9	Cadmium	0.00030	ND	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-47-3	Chromium	0.00076	0.0013J	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7439-92-1	Lead	0.0024	0.0026J	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7439-97-6	Mercury	0.000055	ND	1	25	25	12/30/10	3193	H12191SP	17	CV	HGCV2A
7782-49-2	Selenium	0.0035	0.0035J	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-22-4	Silver	0.00067	ND	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Chain of Custody Forms

0122205

ARCADIS
Infrastructure, environment, buildings

ID#: 16779

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: DAVE LILES, ARCADIS
Telephone: 919-544-4535
Address: 4915 Prospectus Dr, Ste F
Fax:
City: Durham State: NC Zip: 27713
E-mail Address: david.liles@ARCADIS-US.com
Project Name/Location (City, State): Port Jervis ISSS
Project #: B0043021.0001.00003
Sampler's Printed Name:
Sampler's Signature: David S. Liles

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	8260 soil	8270 soil	RCRA metals soil	SPLP-8260	SPLP-8270	SPLP-RCRA metals		
Preservative						E							
Filtered (✓)													
# of Containers						1							
Container Information						g							
PJ Baseline-1	12/21/10	3 pm		✓	SO	✓	✓	✓	✓	✓	✓		
PJ Baseline-2	↓	↓		✓	SO	✓	✓	✓	✓	✓	✓		

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: 16 oz glass
10. Other: _____

Matrix Key:
SO - Soil
SE - Sediment
NL - NAPL/Oil
W - Water
SL - Sludge
SW - Sample Wipe
T - Tissue
A - Air
Other: _____

REMARKS

AC56495

5 day TAT

PJ Baseline-1 -001

PJ Baseline-2 -002

Special Instructions/Comments:

Note "quiescent" SPLP memo attached

☐ Special QA/QC Instructions(✓):

3.1a

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name:	Cooler Custody Seal (✓)	Printed Name: Fed Ex	Printed Name: FRANK DANIC	Printed Name:	Printed Name:
☐ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements:	Sample Receipt:	Firm:	Firm/Courier:	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time:	Date/Time: 12/22/10 1003	Date/Time:	Date/Time:

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

CONDITION UPON RECEIPT

Batch Number AC56495 Entered By: Frantz

Date Entered 12/22/2010 11:41:00 AM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.1
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC56495-001	12/22/10 10:03	FRAN	0	M	Received
AC56495-001	12/22/10 11:41	FRAN	0	M	Login
AC56495-001	12/22/10 14:02	BGS	1	A	SPLP/EXT
AC56495-001	12/22/10 14:13	R12	1	A	NONE
AC56495-001	12/22/10 16:05	OA	1	A	tdsi/hg
AC56495-001	12/22/10 18:55	R12	1	A	NONE
AC56495-001	12/23/10 00:59	PA	1	A	mixing
AC56495-001	12/23/10 13:13	JR	1	A	%solids
AC56495-001	12/23/10 13:42	R12	1	A	NONE
AC56495-001	12/28/10 04:18	SW	1	A	tph,zhe,splp
AC56495-001	12/28/10 09:57	R12	1	A	NONE
AC56495-001	12/28/10 14:19	PRITI	1	A	S-BN
AC56495-001	12/28/10 15:00	R12	1	A	NONE
AC56495-001	12/29/10 11:29	WP	2	A	VOA
AC56495-001	12/29/10 11:34	R21	2	A	NONE
AC56495-001	12/29/10 12:17	R21	3	A	NONE
AC56495-001	12/30/10 08:37	R21	3	A	NONE
AC56495-001	12/30/10 08:37	SG	3	A	VOA
AC56495-002	12/22/10 10:03	FRAN	0	M	Received
AC56495-002	12/22/10 11:41	FRAN	0	M	Login
AC56495-002	12/22/10 14:02	BGS	1	A	SPLP/EXT
AC56495-002	12/22/10 14:13	R12	1	A	NONE
AC56495-002	12/22/10 16:05	OA	1	A	tdsi/hg
AC56495-002	12/22/10 18:55	R12	1	A	NONE
AC56495-002	12/23/10 00:59	PA	1	A	mixing
AC56495-002	12/23/10 13:13	JR	1	A	%solids
AC56495-002	12/23/10 13:42	R12	1	A	NONE
AC56495-002	12/28/10 04:18	SW	1	A	tph,zhe,splp
AC56495-002	12/28/10 09:57	R12	1	A	NONE
AC56495-002	12/28/10 14:19	PRITI	1	A	S-BN
AC56495-002	12/28/10 15:00	R12	1	A	NONE
AC56495-002	12/29/10 11:29	WP	2	A	VOA
AC56495-002	12/29/10 11:34	R21	2	A	NONE
AC56495-002	12/29/10 12:17	R21	3	A	NONE
AC56495-002	12/30/10 08:37	SG	3	A	VOA
AC56495-002	12/30/10 08:37	R21	3	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
8M60353.D	DAILY BLANK	Methanol	11/30/10 07:35	1		104	103	87	94		
8M60440.D	DAILY BLANK	Methanol	12/01/10 08:51	1		109	109	87	96		
8M61786.D	DAILY BLANK	Methanol	12/30/10 07:14	1		102	114	86	98		
8M61794.D	AC56495-001(	Methanol	12/30/10 09:45	1		101	114	87	93		
8M61793.D	AC56495-002(	Methanol	12/30/10 09:29	1		100	102	92	100		
8M60357.D	MBS3731	Methanol	11/30/10 08:44	1		102	103	89	92		
8M60365.D	AC55950-001	Methanol	11/30/10 10:55	1		102	105	92	95		
8M60443.D	MBS3754	Methanol	12/01/10 09:41	1		107	117	91	100		
8M60468.D	AC55950-001(	Methanol	12/01/10 17:02	1		101	98	91	100		
8M60469.D	AC55950-001(	Methanol	12/01/10 17:19	1		101	98	90	98		
8M61789.D	MBS5377	Methanol	12/30/10 08:17	1		100	103	91	96		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	58-133
S2=1,2-Dichloroethane-d4	30	68-124
S3=Toluene-d8	30	72-117
S4=Bromofluorobenzene	30	74-118

Form3
Recovery Data
QC Batch: MBS3731

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60357.D	MBS3731	11/30/2010 8:44:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Methanol | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.39	0	20	107	15	160
1,1-Dichloroethene	1	17.46	0	20	87	17	114
1,1-Dichloroethane	1	19.73	0	20	99	37	126
Chloroform	1	19.35	0	20	97	41	129
1,2-Dichloroethane	1	19	0	20	95	38	130
2-Butanone	1	16.8	0	20	84	23	146
Carbon Tetrachloride	1	19.59	0	20	98	32	137
Trichloroethene	1	22.9	0	20	114	44	134
Benzene	1	21.42	0	20	107	44	138
Tetrachloroethene	1	20.4	0	20	102	48	133
Toluene	1	18.69	0	20	93	41	140
Chlorobenzene	1	19.13	0	20	96	52	127
1,4-Dichlorobenzene	1	16.66	0	20	83	52	120
1,2-Dichlorobenzene	1	16.56	0	20	83	51	127
n-Propylbenzene	1	15.97	0	20	80	49	135
sec-Butylbenzene	1	15.42	0	20	77	46	126

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS3754

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60443.D	MBS3754	12/1/2010 9:41:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	24.65	0	20	123	15	160
1,1-Dichloroethene	1	19.42	0	20	97	17	114
1,1-Dichloroethane	1	18.74	0	20	94	37	126
Chloroform	1	19.07	0	20	95	41	129
1,2-Dichloroethane	1	17.96	0	20	90	38	130
2-Butanone	1	17.6	0	20	88	23	146
Carbon Tetrachloride	1	18.15	0	20	91	32	137
Trichloroethene	1	22.22	0	20	111	44	134
Benzene	1	21.61	0	20	108	44	138
Tetrachloroethene	1	18.32	0	20	92	48	133
Toluene	1	18.71	0	20	94	41	140
Chlorobenzene	1	17.47	0	20	87	52	127
1,4-Dichlorobenzene	1	17.17	0	20	86	52	120
1,2-Dichlorobenzene	1	15.56	0	20	78	51	127
n-Propylbenzene	1	15.74	0	20	79	49	135
sec-Butylbenzene	1	14.07	0	20	70	46	126

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS5377

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M61789.D	MBS5377	12/30/2010 8:17:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Methanol | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.8	0	20	89	15	160
1,1-Dichloroethene	1	18.41	0	20	92	17	114
1,1-Dichloroethane	1	18.67	0	20	93	37	126
Chloroform	1	19.12	0	20	96	41	129
1,2-Dichloroethane	1	19.39	0	20	97	38	130
2-Butanone	1	19.59	0	20	98	23	146
Carbon Tetrachloride	1	20.53	0	20	103	32	137
Trichloroethene	1	19.43	0	20	97	44	134
Benzene	1	20.3	0	20	102	44	138
Tetrachloroethene	1	16.97	0	20	85	48	133
Toluene	1	18.03	0	20	90	41	140
Chlorobenzene	1	17.27	0	20	86	52	127
1,4-Dichlorobenzene	1	16.78	0	20	84	52	120
1,2-Dichlorobenzene	1	16.56	0	20	83	51	127
n-Propylbenzene	1	17.13	0	20	86	49	135
sec-Butylbenzene	1	18.32	0	20	92	46	126

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS3754

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60468.D	AC55950-001(MS)	12/1/2010 5:02:00 PM
Non Spike(If applicable):	8M60365.D	AC55950-001	11/30/2010 10:55:00 A
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.22	0	20	106	15	160
1,1-Dichloroethene	1	15.95	0	20	80	17	114
1,1-Dichloroethane	1	16.69	0	20	83	37	126
Chloroform	1	17.91	0	20	90	41	129
1,2-Dichloroethane	1	16.71	0	20	84	38	130
2-Butanone	1	15.2	0	20	76	23	146
Carbon Tetrachloride	1	16.96	0	20	85	32	137
Trichloroethene	1	19.06	0	20	95	44	134
Benzene	1	19.21	0	20	96	44	138
Tetrachloroethene	1	17.98	0	20	90	48	133
Toluene	1	16.23	0	20	81	41	140
Chlorobenzene	1	14.81	0	20	74	52	127
1,4-Dichlorobenzene	1	13.91	0	20	70	52	120
1,2-Dichlorobenzene	1	14.14	0	20	71	51	127
n-Propylbenzene	1	13.63	0	20	68	49	135
sec-Butylbenzene	1	12.93	0	20	65	46	126

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60469.D	AC55950-001(MSD)	12/1/2010 5:19:00 PM
Non Spike(If applicable):	8M60365.D	AC55950-001	11/30/2010 10:55:00 A
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.92	0	20	110	15	160
1,1-Dichloroethene	1	18.45	0	20	92	17	114
1,1-Dichloroethane	1	16.69	0	20	83	37	126
Chloroform	1	17.74	0	20	89	41	129
1,2-Dichloroethane	1	16.09	0	20	80	38	130
2-Butanone	1	15.24	0	20	76	23	146
Carbon Tetrachloride	1	17.58	0	20	88	32	137
Trichloroethene	1	19.23	0	20	96	44	134
Benzene	1	18.82	0	20	94	44	138
Tetrachloroethene	1	17.46	0	20	87	48	133
Toluene	1	16.19	0	20	81	41	140
Chlorobenzene	1	16.35	0	20	82	52	127
1,4-Dichlorobenzene	1	15.49	0	20	77	52	120
1,2-Dichlorobenzene	1	14.2	0	20	71	51	127
n-Propylbenzene	1	14.9	0	20	74	49	135
sec-Butylbenzene	1	14.01	0	20	70	46	126

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS3754

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60469.D	AC55950-001(MSD)	12/1/2010 5:19:00 PM
Duplicate(If applicable):	8M60468.D	AC55950-001(MS)	12/1/2010 5:02:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	21.92	21.22	3.2	44
1,1-Dichloroethene	1	18.45	15.95	15	28
1,1-Dichloroethane	1	16.69	16.69	0	28
Chloroform	1	17.74	17.91	0.95	22
1,2-Dichloroethane	1	16.09	16.71	3.8	22
2-Butanone	1	15.24	15.2	0.26	43
Carbon Tetrachloride	1	17.58	16.96	3.6	25
Trichloroethene	1	19.23	19.06	0.89	21
Benzene	1	18.82	19.21	2.1	24
Tetrachloroethene	1	17.46	17.98	2.9	24
Toluene	1	16.19	16.23	0.25	25
Chlorobenzene	1	16.35	14.81	9.9	17
1,4-Dichlorobenzene	1	15.49	13.91	11	19
1,2-Dichlorobenzene	1	14.2	14.14	0.42	20
n-Propylbenzene	1	14.9	13.63	8.9	22
sec-Butylbenzene	1	14.01	12.93	8	21

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M60353.D
Matrix: Methanol

Blank Analysis Date: 11/30/10 07:35
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS3731	8M60357.D	11/30/10 08:44
AC55950-001	8M60365.D	11/30/10 10:55

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M60440.D
Matrix: Methanol

Blank Analysis Date: 12/01/10 08:51
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC55950-001(MSD	8M60469.D	12/01/10 17:19
AC55950-001(MS)	8M60468.D	12/01/10 17:02
MBS3754	8M60443.D	12/01/10 09:41

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M61786.D
Matrix: Methanol

Blank Analysis Date: 12/30/10 07:14
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC56495-001(80uL	8M61794.D	12/30/10 09:45
AC56495-002(80uL	8M61793.D	12/30/10 09:29
MBS5377	8M61789.D	12/30/10 08:17

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M59437.D
Analysis Date: 11/09/10 08:00
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.989 to 3.999 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.9	138404	PASS
75	95	30	60	41.4	273824	PASS
95	95	100	100	100.0	660640	PASS
96	95	5	9	6.7	44440	PASS
173	174	0.00	2	1.5	6711	PASS
174	95	50	100	69.6	460032	PASS
175	174	5	9	7.0	32316	PASS
176	174	95	101	95.7	440224	PASS
177	176	5	9	8.7	38212	PASS

Data File	Sample Number	Analysis Date:
8M59438.D	BLK	11/09/10 08:19
8M59439.D	CAL @ 20 PPB	11/09/10 08:35
8M59441.D	BLK	11/09/10 09:17
8M59442.D	CAL @ 1 PPB	11/09/10 09:33
8M59443.D	CAL @ 0.5 PPB	11/09/10 09:52
8M59444.D	CAL @ 5 PPB	11/09/10 10:09
8M59445.D	CAL @ 500 PPB	11/09/10 10:26
8M59446.D	CAL @ 250 PPB	11/09/10 10:42
8M59447.D	CAL @ 100 PPB	11/09/10 10:59
8M59448.D	CAL @ 50 PPB	11/09/10 11:15
8M59449.D	CAL @ 20 PPB	11/09/10 11:31
8M59450.D	CAL @ 10 PPB	11/09/10 11:48
8M59451.D	ICV	11/09/10 12:04
8M59452.D	STD	11/09/10 12:29
8M59453.D	BLK	11/09/10 12:46
8M59454.D	DAILY BLANK	11/09/10 13:02
8M59455.D	DAILY BLANK	11/09/10 13:19
8M59456.D	MBS2994	11/09/10 13:35
8M59457.D	MBS2995	11/09/10 13:52
8M59458.D	AC55493-017(MS:	11/09/10 14:08
8M59459.D	AC55493-018(MSD	11/09/10 14:25
8M59460.D	AC55492-001(500X	11/09/10 14:41
8M59461.D	BLK	11/09/10 14:58
8M59462.D	AC55525-002	11/09/10 15:14
8M59463.D	AC55525-003	11/09/10 15:31
8M59464.D	AC55526-017	11/09/10 15:47
8M59465.D	AC55524-003	11/09/10 16:04
8M59466.D	AC55524-004	11/09/10 16:21
8M59467.D	AC55530-002	11/09/10 16:37
8M59468.D	AC55530-003	11/09/10 16:54
8M59469.D	AC55548-006	11/09/10 17:10
8M59470.D	AC55548-005	11/09/10 17:27
8M59471.D	AC55525-001	11/09/10 17:43
8M59472.D	AC55526-015	11/09/10 18:00
8M59473.D	AC55526-016	11/09/10 18:16
8M59474.D	AC55524-001	11/09/10 18:33
8M59475.D	AC55530-001	11/09/10 18:49
8M59476.D	AC55531-001	11/09/10 19:05
8M59477.D	AC55531-002	11/09/10 19:22
8M59478.D	AC55531-003	11/09/10 19:38
8M59479.D	BLK	11/09/10 19:55

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60350.D
Analysis Date: 11/30/10 06:37
Method: EPA 8260B
Tune Scan/Time Range: Average of 3.959 to 4.009 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	15.4	39791	PASS
75	95	30	60	41.9	108621	PASS
95	95	100	100	100.0	259087	PASS
96	95	5	9	7.0	18066	PASS
173	174	0.00	2	0.9	2084	PASS
174	95	50	100	92.7	240283	PASS
175	174	5	9	7.8	18631	PASS
176	174	95	101	100.4	241216	PASS
177	176	5	9	5.3	12679	PASS

Data File	Sample Number	Analysis Date:
8M60351.D	CAL @ 20 PPB	11/30/10 06:56
8M60352.D	BLK	11/30/10 07:18
8M60353.D	DAILY BLANK	11/30/10 07:35
8M60354.D	DAILY BLANK	11/30/10 07:51
8M60355.D	AC55949-008	11/30/10 08:12
8M60356.D	MBS3730	11/30/10 08:28
8M60357.D	MBS3731	11/30/10 08:44
8M60358.D	BLK	11/30/10 09:01
8M60359.D	AC55916-002	11/30/10 09:18
8M60360.D	AC55946-001	11/30/10 09:34
8M60361.D	AC55946-003	11/30/10 09:50
8M60362.D	AC55990-001(10X)	11/30/10 10:06
8M60363.D	AC55885-002	11/30/10 10:23
8M60364.D	AC55990-001	11/30/10 10:39
8M60365.D	AC55950-001	11/30/10 10:55
8M60366.D	AC55950-003	11/30/10 11:11
8M60367.D	AC55943-002(T)	11/30/10 11:27
8M60368.D	AC55943-003(T)	11/30/10 11:43
8M60369.D	EF-1-V-102351(113	11/30/10 11:59
8M60370.D	AC55950-004	11/30/10 12:16
8M60371.D	AC55950-005	11/30/10 12:32
8M60372.D	AC55860-005(100X	11/30/10 12:48
8M60373.D	AC55950-006	11/30/10 13:04
8M60374.D	AC55950-007	11/30/10 13:20
8M60375.D	AC55860-005	11/30/10 13:36
8M60376.D	AC55966-002(80uL	11/30/10 13:52
8M60377.D	AC55942-004(40uL	11/30/10 14:09
8M60378.D	AC55942-005(40uL	11/30/10 14:25
8M60379.D	AC55942-003(80uL	11/30/10 14:41
8M60380.D	AC55821-001(T:M	11/30/10 14:57
8M60381.D	AC55821-001(T:M	11/30/10 15:13
8M60382.D	AC55874-002(T)	11/30/10 15:30
8M60383.D	AC55874-003(T)	11/30/10 15:46
8M60384.D	AC55874-001(T)	11/30/10 16:02
8M60385.D	AC55965-002	11/30/10 16:18
8M60386.D	AC55965-009	11/30/10 16:34
8M60387.D	AC55965-020	11/30/10 16:51
8M60388.D	AC55965-001	11/30/10 17:07
8M60389.D	AC55965-013(5X)	11/30/10 17:26
8M60390.D	AC55965-018(10X)	11/30/10 17:47
8M60391.D	AC55965-005(10X)	11/30/10 18:08
8M60392.D	AC55965-003(20X)	11/30/10 18:29
8M60393.D	MBS3747	11/30/10 18:46
8M60394.D	AC55885-002(MS)	11/30/10 19:02
8M60395.D	AC55885-002(MSD	11/30/10 19:19
8M60396.D	BLK	11/30/10 19:36
8M60397.D	BLK	11/30/10 19:52
8M60398.D	MBS3748	11/30/10 20:08
8M60399.D	BLK	11/30/10 20:25
8M60400.D	AC55986-001	11/30/10 20:41
8M60401.D	AC55986-002	11/30/10 20:58
8M60402.D	AC55987-009	11/30/10 21:14
8M60403.D	AC55990-002	11/30/10 21:30
8M60404.D	AC55990-003	11/30/10 21:47
8M60405.D	AC55995-002	11/30/10 22:03
8M60406.D	AC55995-003	11/30/10 22:20
8M60407.D	BLK	11/30/10 22:36
8M60408.D	AC55986-003	11/30/10 22:53
8M60409.D	AC55986-004	11/30/10 23:09
8M60410.D	AC55986-005	11/30/10 23:25
8M60411.D	MBS3749	11/30/10 23:42
8M60412.D	BLK	11/30/10 23:58
8M60413.D	AC55987-003	12/01/10 00:15
8M60414.D	AC55987-004	12/01/10 00:31
8M60415.D	AC55987-005	12/01/10 00:48

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60350.D
Analysis Date: 11/30/10 06:37
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.959 to 4.009 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	15.4	39791	PASS
75	95	30	60	41.9	108621	PASS
95	95	100	100	100.0	259087	PASS
96	95	5	9	7.0	18066	PASS
173	174	0.00	2	0.9	2084	PASS
174	95	50	100	92.7	240283	PASS
175	174	5	9	7.8	18631	PASS
176	174	95	101	100.4	241216	PASS
177	176	5	9	5.3	12679	PASS

8M60416.D	AC55987-007	12/01/10 01:04
8M60417.D	BLK	12/01/10 01:21
8M60418.D	AC55987-001(200X	12/01/10 01:37
8M60419.D	AC55987-002(200X	12/01/10 01:54
8M60420.D	AC55987-008(200X	12/01/10 02:10
8M60421.D	AC55995-001	12/01/10 02:27
8M60422.D	MBS3750	12/01/10 02:43
8M60423.D	STD	12/01/10 03:00
8M60424.D	STD	12/01/10 03:16
8M60425.D	BLK	12/01/10 03:33
8M60426.D	BLK	12/01/10 03:49
8M60427.D	BLK	12/01/10 04:06
8M60428.D	BLK	12/01/10 04:22
8M60429.D	BLK	12/01/10 04:39
8M60430.D	BLK	12/01/10 04:55
8M60431.D	BLK	12/01/10 05:12
8M60432.D	BLK	12/01/10 05:28

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60434.D
Analysis Date: 12/01/10 06:57
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.982 to 3.982 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	76624	PASS
75	95	30	60	48.7	151936	PASS
95	95	100	100	100.0	312256	PASS
96	95	5	9	7.4	23024	PASS
173	174	0.00	2	1.6	3258	PASS
174	95	50	100	63.4	197824	PASS
175	174	5	9	8.9	17592	PASS
176	174	95	101	96.2	190208	PASS
177	176	5	9	5.5	10523	PASS

Data File	Sample Number	Analysis Date:
8M60435.D	BLK	12/01/10 07:13
8M60436.D	20 PPB	12/01/10 07:29
8M60437.D	BLK	12/01/10 07:55
8M60438.D	CAL @ 20 PPB	12/01/10 08:11
8M60439.D	BLK	12/01/10 08:35
8M60440.D	DAILY BLANK	12/01/10 08:51
8M60441.D	DAILY BLANK	12/01/10 09:08
8M60442.D	MBS3755	12/01/10 09:24
8M60443.D	MBS3754	12/01/10 09:41
8M60444.D	AC55966-008	12/01/10 09:57
8M60445.D	MBS3756	12/01/10 10:14
8M60446.D	AC55966-010	12/01/10 10:30
8M60447.D	AC56010-005	12/01/10 10:47
8M60448.D	AC56010-004	12/01/10 11:03
8M60449.D	AC56010-003	12/01/10 11:20
8M60450.D	AC56010-002	12/01/10 11:37
8M60451.D	AC56010-001	12/01/10 11:53
8M60453.D	AC56022-001	12/01/10 12:27
8M60454.D	AC56022-002	12/01/10 12:43
8M60455.D	AC56022-003	12/01/10 13:01
8M60456.D	AC56022-004	12/01/10 13:17
8M60457.D	BLK	12/01/10 13:35
8M60458.D	AC55995-003	12/01/10 13:51
8M60459.D	AC55965-004	12/01/10 14:08
8M60460.D	AC55965-015	12/01/10 14:24
8M60461.D	AC55987-003(5X)	12/01/10 14:44
8M60462.D	AC55965-012(10X)	12/01/10 15:05
8M60463.D	AC55987-006(10X)	12/01/10 15:25
8M60464.D	AC55987-002(10X)	12/01/10 15:47
8M60465.D	AC55987-001(20X)	12/01/10 16:08
8M60466.D	AC55987-008(20X)	12/01/10 16:29
8M60467.D	AC55942-004(40uL	12/01/10 16:46
8M60468.D	AC55950-001(MS)	12/01/10 17:02
8M60469.D	AC55950-001(MSD	12/01/10 17:19
8M60470.D	BLK	12/01/10 17:35
8M60471.D	AC56019-023	12/01/10 17:52
8M60472.D	AC56014-002	12/01/10 18:08
8M60473.D	AC56010-003(MS)	12/01/10 18:25
8M60474.D	AC56010-003(MSD	12/01/10 18:41
8M60475.D	BLK	12/01/10 18:58
8M60476.D	BLK	12/01/10 19:14
8M60477.D	MBS3763	12/01/10 19:31
8M60478.D	BLK	12/01/10 19:47
8M60479.D	AC55956-002	12/01/10 20:04
8M60480.D	AC55956-003	12/01/10 20:20
8M60481.D	AC55973-002	12/01/10 20:37
8M60482.D	AC55976-002	12/01/10 20:53
8M60483.D	AC55976-003	12/01/10 21:09
8M60484.D	AC55978-002	12/01/10 21:26
8M60485.D	AC55978-003	12/01/10 21:43
8M60486.D	AC56012-005	12/01/10 21:59
8M60487.D	AC56012-006	12/01/10 22:16
8M60488.D	BLK	12/01/10 22:32
8M60489.D	AC55959-001	12/01/10 22:49
8M60490.D	AC55956-001	12/01/10 23:06
8M60491.D	BLK	12/01/10 23:22
8M60492.D	AC55960-001(10X)	12/01/10 23:42
8M60493.D	AC55960-002(10X)	12/02/10 00:04
8M60494.D	AC55960-003(10X)	12/02/10 00:26
8M60495.D	MBS3764	12/02/10 00:45
8M60496.D	AC55978-001	12/02/10 01:04
8M60497.D	AC56020-001	12/02/10 01:20
8M60498.D	AC56008-003	12/02/10 01:37
8M60499.D	AC56008-002	12/02/10 01:53
8M60500.D	AC56008-001	12/02/10 02:10

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60434.D
Analysis Date: 12/01/10 06:57
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.982 to 3.982 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	76624	PASS
75	95	30	60	48.7	151936	PASS
95	95	100	100	100.0	312256	PASS
96	95	5	9	7.4	23024	PASS
173	174	0.00	2	1.6	3258	PASS
174	95	50	100	63.4	197824	PASS
175	174	5	9	8.9	17592	PASS
176	174	95	101	96.2	190208	PASS
177	176	5	9	5.5	10523	PASS

8M60501.D	AC56012-001	12/02/10 02:26
8M60502.D	AC56012-003	12/02/10 02:42
8M60503.D	MBS3765	12/02/10 02:59
8M60504.D	AC55986-003(MS)	12/02/10 03:18
8M60505.D	AC55986-003(MSD	12/02/10 03:34
8M60506.D	BLK	12/02/10 03:51
8M60507.D	BLK	12/02/10 04:07
8M60508.D	BLK	12/02/10 04:24
8M60509.D	BLK	12/02/10 04:40
8M60510.D	BLK	12/02/10 04:57
8M60511.D	BLK	12/02/10 05:13
8M60512.D	BLK	12/02/10 05:30
8M60513.D	BLK	12/02/10 05:46

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60756.D
Analysis Date: 12/08/10 09:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.895 to 3.914 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.8	23885	PASS
75	95	30	60	49.3	66029	PASS
95	95	100	100	100.0	133901	PASS
96	95	5	9	5.7	7667	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	113755	PASS
175	174	5	9	8.2	9374	PASS
176	174	95	101	95.7	108845	PASS
177	176	5	9	8.2	8891	PASS

Data File	Sample Number	Analysis Date:
8M60758.D	BLKJUG2	12/08/10 10:16
8M60759.D	CAL @ 1 PPB	12/08/10 10:36
8M60760.D	CAL @ 0.5 PPB	12/08/10 10:55
8M60761.D	CAL @ 5 PPB	12/08/10 11:16
8M60762.D	CAL @ 500 PPB	12/08/10 11:32
8M60763.D	CAL @ 250 PPB	12/08/10 11:48
8M60764.D	CAL @ 100 PPB	12/08/10 12:04
8M60765.D	CAL @ 50 PPB	12/08/10 12:20
8M60766.D	CAL @ 20 PPB	12/08/10 12:36
8M60767.D	CAL @ 10 PPB	12/08/10 12:52
8M60768.D	BLKJUG2	12/08/10 13:09
8M60769.D	20 PPB	12/08/10 13:25
8M60770.D	ICV	12/08/10 13:50
8M60771.D	BLK	12/08/10 14:11
8M60772.D	BLK	12/08/10 14:27
8M60773.D	BLK	12/08/10 14:43
8M60774.D	DAILY BLANK	12/08/10 14:59
8M60775.D	DAILY BLANK	12/08/10 15:16
8M60776.D	AC56048-001	12/08/10 15:32
8M60777.D	MBS3848	12/08/10 15:48
8M60778.D	MBS3849	12/08/10 16:04
8M60779.D	AC56048-001(T)	12/08/10 16:20
8M60780.D	EF-1V-103278(120	12/08/10 16:36
8M60781.D	AC56151-021	12/08/10 16:52
8M60782.D	AC56172-001	12/08/10 17:09
8M60783.D	AC56172-002	12/08/10 17:25
8M60784.D	AC56172-003	12/08/10 17:41
8M60785.D	AC56142-001	12/08/10 17:57
8M60786.D	AC56142-002	12/08/10 18:13
8M60787.D	BLK	12/08/10 18:29
8M60788.D	AC56088-001	12/08/10 18:45
8M60789.D	AC56088-003	12/08/10 19:01
8M60790.D	AC56088-004	12/08/10 19:17
8M60791.D	AC56088-006	12/08/10 19:33
8M60792.D	AC56088-007	12/08/10 19:49
8M60793.D	AC56088-011	12/08/10 20:05
8M60794.D	AC56088-013	12/08/10 20:21
8M60795.D	AC56088-010(10X)	12/08/10 20:40
8M60796.D	AC56088-009(10X)	12/08/10 21:00
8M60797.D	AC56088-008(10X)	12/08/10 21:21
8M60798.D	AC56088-002(20X)	12/08/10 21:41
8M60799.D	AC56088-012(20X)	12/08/10 21:59
8M60800.D	BLK	12/08/10 22:15

Form 5

Tune Name: BFB TUNE **Data File:** 8M61781.D
Instrument: GCMS 8 **Analysis Date:** 12/30/10 05:38
Method: EPA 8260B
Tune Scan/Time Range: Average of 3.885 to 3.895 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	48296	PASS
75	95	30	60	44.6	106292	PASS
95	95	100	100	100.0	238560	PASS
96	95	5	9	5.9	14080	PASS
173	174	0.00	2	0.9	1650	PASS
174	95	50	100	78.8	188008	PASS
175	174	5	9	6.5	12251	PASS
176	174	95	101	95.1	178728	PASS
177	176	5	9	8.1	14497	PASS

Data File	Sample Number	Analysis Date:
8M61782.D	BLK	12/30/10 05:49
8M61783.D	20 PPB	12/30/10 06:05
8M61784.D	CAL@ 20 PPB	12/30/10 06:35
8M61785.D	BLK	12/30/10 06:58
8M61786.D	DAILY BLANK	12/30/10 07:14
8M61787.D	DAILY BLANK	12/30/10 07:30
8M61788.D	MBS5376	12/30/10 08:01
8M61789.D	MBS5377	12/30/10 08:17
8M61790.D	AC56546-005	12/30/10 08:37
8M61791.D	56438-001	12/30/10 08:53
8M61792.D	AC56438-001	12/30/10 09:11
8M61793.D	AC56495-002(80uL	12/30/10 09:29
8M61794.D	AC56495-001(80uL	12/30/10 09:45
8M61795.D	AC56524-005(400u	12/30/10 10:01
8M61796.D	AC56524-008(400u	12/30/10 10:17
8M61797.D	AC56464-001(T)	12/30/10 10:33
8M61798.D	AC56464-002(T)	12/30/10 10:49
8M61799.D	AC56464-003(T)	12/30/10 11:05
8M61800.D	EF-1-V-104503(122	12/30/10 11:21
8M61801.D	AC56517-009	12/30/10 11:37
8M61802.D	AC56517-011	12/30/10 11:53
8M61803.D	AC56517-020	12/30/10 12:09
8M61804.D	AC56517-021	12/30/10 12:27
8M61805.D	AC56517-049(5X)	12/30/10 12:46
8M61806.D	AC56517-023(5X)	12/30/10 13:13
8M61807.D	AC56517-024(5X)	12/30/10 13:32
8M61808.D	AC56498-002	12/30/10 13:49
8M61809.D	AC56517-045	12/30/10 14:05
8M61810.D	AC56517-037	12/30/10 14:21
8M61811.D	AC56517-038	12/30/10 14:37
8M61812.D	AC56517-039	12/30/10 14:53
8M61813.D	AC56517-040	12/30/10 15:09
8M61814.D	AC56517-028	12/30/10 15:25
8M61815.D	AC56517-032	12/30/10 15:46
8M61816.D	AC56517-029	12/30/10 16:02
8M61817.D	AC56517-030(MS:	12/30/10 16:18
8M61818.D	AC56517-031(MSD	12/30/10 16:35
8M61819.D	AC56570-001(80uL	12/30/10 16:51
8M61820.D	AC56570-002(80uL	12/30/10 17:07
8M61821.D	MBS5387	12/30/10 17:23
8M61822.D	AC56464-001(T:M	12/30/10 17:39
8M61823.D	AC56464-001(T:M	12/30/10 17:55
8M61824.D	AC56529-005(MS)	12/30/10 18:11
8M61825.D	AC56529-005(MSD	12/30/10 18:27
8M61826.D	BLK	12/30/10 18:43
8M61827.D	BLK	12/30/10 18:59
8M61828.D	MBS5388	12/30/10 19:15
8M61829.D	BLK	12/30/10 19:31
8M61830.D	AC56499-009	12/30/10 19:48
8M61831.D	AC56499-010	12/30/10 20:04
8M61832.D	AC56500-002	12/30/10 20:21
8M61833.D	AC56499-001	12/30/10 20:37
8M61834.D	AC56499-003	12/30/10 20:53
8M61835.D	AC56499-005	12/30/10 21:09
8M61836.D	AC56499-007	12/30/10 21:25
8M61837.D	AC56499-006	12/30/10 21:41
8M61838.D	AC56499-008	12/30/10 21:58
8M61839.D	AC56498-001	12/30/10 22:15
8M61840.D	AC56499-004	12/30/10 22:31
8M61841.D	AC56500-001(10X)	12/30/10 22:48
8M61842.D	MBS5389	12/30/10 23:04
8M61843.D	BLK	12/30/10 23:21
8M61844.D	AC56503-004	12/30/10 23:37
8M61845.D	AC56503-001	12/30/10 23:54
8M61846.D	AC56503-003	12/31/10 00:10

Form 5

Tune Name: BFB TUNE **Data File:** 8M61781.D
Instrument: GCMS 8 **Analysis Date:** 12/30/10 05:38
Method: EPA 8260B
Tune Scan/Time Range: Average of 3.885 to 3.895 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	48296	PASS
75	95	30	60	44.6	106292	PASS
95	95	100	100	100.0	238560	PASS
96	95	5	9	5.9	14080	PASS
173	174	0.00	2	0.9	1650	PASS
174	95	50	100	78.8	188008	PASS
175	174	5	9	6.5	12251	PASS
176	174	95	101	95.1	178728	PASS
177	176	5	9	8.1	14497	PASS

8M61847.D	AC56503-002	12/31/10 00:27
8M61848.D	AC56510-001	12/31/10 00:44
8M61849.D	AC56554-001	12/31/10 01:00
8M61850.D	AC56520-003(50X)	12/31/10 01:20
8M61851.D	AC56556-001(50X)	12/31/10 01:42
8M61852.D	MBS5390	12/31/10 02:01
8M61853.D	AC56499-002(MS)	12/31/10 02:17
8M61854.D	AC56499-002(MSD	12/31/10 02:34
8M61855.D	BLK	12/31/10 02:50
8M61856.D	BLK	12/31/10 03:07
8M61857.D	BLK	12/31/10 03:23
8M61858.D	BLK	12/31/10 03:40
8M61859.D	BLK	12/31/10 03:56
8M61860.D	BLK	12/31/10 04:13

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M59449.D Method: EPA 8260B

Analysis Date/Time: 11/09/10 11:31

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	267497	4.51	205383	6.08	119897	7.31						
Eval File Area Limit:	133748-534994		102692-410766		59948-239794							
Eval File Rt Limit:	4.01-5.01		5.58-6.58		6.81-7.81							

Data File	Sample						
8M59438.D	BLK	226836	4.51	211949	6.08	121724	7.31
8M59441.D	BLK	245721	4.51	215854	6.08	124775	7.31
8M59442.D	CAL @ 1 PPB	245342	4.51	199643	6.08	115558	7.31
8M59443.D	CAL @ 0.5 PF	247597	4.51	194089	6.08	112550	7.31
8M59444.D	CAL @ 5 PPB	256621	4.51	200534	6.08	118130	7.31
8M59445.D	CAL @ 500 P	270878	4.51	196702	6.08	109754	7.31
8M59446.D	CAL @ 250 P	271709	4.51	199729	6.08	110467	7.31
8M59447.D	CAL @ 100 P	223376	4.51	175246	6.08	98930	7.31
8M59448.D	CAL @ 50 PP	274921	4.51	212253	6.08	125281	7.31
8M59449.D	CAL @ 20 PP	267497	4.51	205383	6.08	119897	7.31
8M59450.D	CAL @ 10 PP	261068	4.51	208483	6.08	127016	7.31
8M59451.D	ICV	269076	4.51	215072	6.08	117764	7.31
8M59452.D	STD	258848	4.51	205463	6.07	120060	7.31
8M59453.D	BLK	271432	4.51	210224	6.08	118923	7.32
8M59454.D	DAILY BLANK	209944	4.51	163647	6.08	94473	7.31
8M59455.D	DAILY BLANK	271366	4.51	211701	6.08	123220	7.31
8M59456.D	MBS2994	273024	4.51	220966	6.08	129255	7.31
8M59457.D	MBS2995	266319	4.51	208959	6.08	119868	7.31
8M59458.D	AC55493-017(	275834	4.51	214527	6.08	126006	7.31
8M59459.D	AC55493-018(	275902	4.51	225312	6.08	134559	7.31
8M59460.D	AC55492-001(	273696	4.51	214812	6.08	126942	7.31
8M59461.D	BLK	276779	4.51	219865	6.08	132948	7.31
8M59479.D	BLK	250510	4.51	200891	6.08	121804	7.31

I1 =	Fluorobenzene	I4 =	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Chlorobenzene-d5	I5 =	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	1.4-Dichlorobenzene-d4	I6 =	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M60351.D Method: EPA 8260B

Analysis Date/Time: 11/30/10 06:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	227971	4.49	203262	6.06	126245	7.30						
Eval File Area Limit:	113986-455942		101631-406524		63122-252490							
Eval File Rt Limit:	3.99-4.99		5.56-6.56		6.8-7.8							

Data File	Sample						
8M60352.D	BLK	220307	4.49	206003	6.06	115098	7.30
8M60353.D	DAILY BLANK	201422	4.50	177290	6.07	106690	7.30
8M60354.D	DAILY BLANK	211213	4.50	192106	6.07	108846	7.30
8M60356.D	MBS3730	217054	4.50	192511	6.07	120880	7.30
8M60357.D	MBS3731	226958	4.50	197314	6.07	129777	7.30
8M60358.D	BLK	208775	4.50	181934	6.07	107644	7.30
8M60365.D	AC55950-001	175168	4.50	147710	6.07	94964	7.30
8M60366.D	AC55950-003	208589	4.50	185514	6.07	110198	7.30
8M60367.D	AC55943-002(	213418	4.50	195367	6.07	114754	7.30
8M60368.D	AC55943-003(	222399	4.50	204621	6.07	126280	7.30
8M60369.D	EF-1-V-10235	232826	4.50	209079	6.07	124683	7.30
8M60370.D	AC55950-004	222521	4.50	188474	6.07	115359	7.30
8M60371.D	AC55950-005	225014	4.50	189069	6.07	114156	7.30
8M60373.D	AC55950-006	205069	4.50	179551	6.07	106615	7.30
8M60374.D	AC55950-007	199594	4.50	183014	6.07	111581	7.31
8M60376.D	AC55966-002(	183222	4.50	169453	6.07	113649	7.30
8M60377.D	AC55942-004(	236681	4.50	214345	6.07	133665	7.31
8M60378.D	AC55942-005(	237033	4.50	214358	6.07	128165	7.31
8M60379.D	AC55942-003(	224347	4.50	208839	6.07	123383	7.31
8M60380.D	AC55821-001(	225259	4.50	204290	6.07	124527	7.30
8M60381.D	AC55821-001(	237870	4.50	215635	6.07	123264	7.30
8M60382.D	AC55874-002(	191015	4.50	169598	6.07	97391	7.31
8M60383.D	AC55874-003(	225817	4.50	208919	6.07	119573	7.31
8M60384.D	AC55874-001(	226353	4.50	196033	6.07	118068	7.31
8M60385.D	AC55965-002	217454	4.50	191041	6.07	112948	7.30
8M60386.D	AC55965-009	213834	4.50	198067	6.07	117668	7.31
8M60387.D	AC55965-020	180023	4.50	165649	6.07	94249	7.31
8M60388.D	AC55965-001	226894	4.50	207560	6.07	121497	7.31
8M60389.D	AC55965-013(	222989	4.50	204122	6.07	121946	7.31
8M60390.D	AC55965-018(	213619	4.50	195211	6.07	112343	7.31
8M60391.D	AC55965-005(	229878	4.50	207676	6.07	115205	7.31
8M60392.D	AC55965-003(	226587	4.50	196600	6.07	112160	7.31
8M60393.D	MBS3747	205000	4.50	191465	6.07	121098	7.31
8M60394.D	AC55885-002(	229995	4.50	210536	6.07	129885	7.31
8M60395.D	AC55885-002(	227651	4.50	201818	6.07	130466	7.31
8M60396.D	BLK	220702	4.50	194674	6.07	121339	7.31
8M60397.D	BLK	230297	4.50	202477	6.07	114744	7.31
8M60398.D	MBS3748	239726	4.50	204578	6.07	136087	7.31
8M60399.D	BLK	177517	4.50	155854	6.07	93996	7.31
8M60407.D	BLK	177495	4.50	172478	6.07	99972	7.31
8M60411.D	MBS3749	208873	4.50	192894	6.07	120776	7.31
8M60412.D	BLK	184406	4.50	177656	6.07	100097	7.31
8M60417.D	BLK	211802	4.50	201380	6.07	119639	7.31
8M60422.D	MBS3750	226671	4.50	202531	6.07	128417	7.31
8M60423.D	STD	221863	4.50	195023	6.07	132197	7.31
8M60424.D	STD	220548	4.50	200110	6.07	127143	7.31
8M60425.D	BLK	214176	4.51	194808	6.07	121291	7.31
8M60426.D	BLK	210411	4.50	202120	6.07	115148	7.31
8M60427.D	BLK	214272	4.50	203295	6.07	114033	7.31
8M60428.D	BLK	209730	4.51	203409	6.07	115635	7.31
8M60429.D	BLK	214453	4.50	196283	6.07	112936	7.31
8M60430.D	BLK	208638	4.50	199397	6.07	112289	7.31
8M60431.D	BLK	208928	4.51	192355	6.07	113168	7.31

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M60438.D Method: EPA 8260B

Analysis Date/Time: 12/01/10 08:11

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	222507	4.51	200140	6.08	125430	7.31						
Eval File Area Limit:	111254-445014		100070-400280		62715-250860							
Eval File Rt Limit:	4.01-5.01		5.58-6.58		6.81-7.81							

Data File	Sample						
8M60435.D	BLK	212168	4.51	203779	6.08	112491	7.31
8M60436.D	20 PPB	221453	4.51	202448	6.08	130290	7.31
8M60437.D	BLK	207684	4.51	201093	6.08	115037	7.32
8M60439.D	BLK	221836	4.51	201824	6.08	122571	7.31
8M60440.D	DAILY BLANK	201991	4.51	181121	6.08	110085	7.32
8M60441.D	DAILY BLANK	196404	4.51	176711	6.08	110490	7.32
8M60442.D	MBS3755	223250	4.52	208362	6.08	137505	7.31
8M60443.D	MBS3754	217235	4.51	196209	6.08	123283	7.32
8M60444.D	AC55966-008	219392	4.52	201003	6.08	120185	7.32
8M60445.D	MBS3756	236224	4.52	204898	6.08	134043	7.32
8M60446.D	AC55966-010	227997	4.51	198448	6.09	118555	7.32
8M60453.D	AC56022-001	211533	4.51	188540	6.08	110859	7.32
8M60454.D	AC56022-002	207854	4.51	184327	6.08	111036	7.32
8M60455.D	AC56022-003	196277	4.51	177142	6.08	97362	7.32
8M60456.D	AC56022-004	210660	4.52	184550	6.08	109370	7.32
8M60457.D	BLK	234957	4.51	198337	6.09	121156	7.32
8M60459.D	AC55965-004	228612	4.52	209889	6.08	121011	7.32
8M60460.D	AC55965-015	188475	4.51	172710	6.08	105921	7.31
8M60462.D	AC55965-012	223775	4.51	215474	6.08	124652	7.32
8M60467.D	AC55942-004	247276	4.51	231011	6.08	140083	7.31
8M60468.D	AC55950-001	222213	4.51	196335	6.08	127834	7.31
8M60469.D	AC55950-001	214451	4.51	184246	6.08	116531	7.31
8M60470.D	BLK	225590	4.51	207704	6.08	122126	7.31
8M60471.D	AC56019-023	207941	4.51	203535	6.08	116765	7.31
8M60473.D	AC56010-003	232863	4.51	208170	6.08	139785	7.31
8M60474.D	AC56010-003	230532	4.51	220231	6.08	140805	7.31
8M60475.D	BLK	219592	4.51	214299	6.07	124717	7.31
8M60476.D	BLK	221014	4.51	212443	6.08	123801	7.31
8M60477.D	MBS3763	233533	4.51	214508	6.07	135507	7.31
8M60478.D	BLK	224863	4.51	204428	6.07	125807	7.31
8M60488.D	BLK	184657	4.51	172486	6.08	105647	7.31
8M60491.D	BLK	214893	4.51	204893	6.07	120060	7.31
8M60495.D	MBS3764	230504	4.50	207344	6.07	136426	7.31
8M60503.D	MBS3765	222939	4.51	203114	6.07	135391	7.31
8M60504.D	AC55986-003	241451	4.50	202963	6.07	129069	7.31
8M60505.D	AC55986-003	235151	4.50	210530	6.07	123782	7.31
8M60506.D	BLK	210192	4.51	196145	6.07	106291	7.31
8M60507.D	BLK	213913	4.50	199304	6.07	112681	7.31
8M60508.D	BLK	203910	4.50	198319	6.07	115217	7.31
8M60509.D	BLK	210812	4.51	194368	6.08	113093	7.32
8M60510.D	BLK	215770	4.50	196607	6.07	114734	7.31
8M60511.D	BLK	156318	4.50	152194	6.07	84473	7.31
8M60512.D	BLK	184447	4.50	187428	6.07	105986	7.31
8M60513.D	BLK	196686	4.51	193146	6.07	114767	7.31

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M60766.D Method: EPA 8260B

Analysis Date/Time: 12/08/10 12:36

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	270497	4.51	187558	6.08	104508	7.31						
Eval File Area Limit:	135248-540994		93779-375116		52254-209016							
Eval File Rt Limit:	4.01-5.01		5.58-6.58		6.81-7.81							

Data File	Sample						
8M60758.D	BLKJUG2	271958	4.51	191543	6.08	102759	7.31
8M60759.D	CAL @ 1 PPB	261360	4.51	179933	6.08	103222	7.31
8M60760.D	CAL @ 0.5 PF	243321	4.51	185002	6.08	95975	7.31
8M60761.D	CAL @ 5 PPB	214411	4.51	151656	6.08	86278	7.31
8M60762.D	CAL @ 500 P	231695	4.51	146634	6.08	79566	7.31
8M60763.D	CAL @ 250 P	256770	4.51	175451	6.08	94488	7.31
8M60764.D	CAL @ 100 P	262974	4.51	185512	6.08	101405	7.31
8M60765.D	CAL @ 50 PP	272797	4.51	190257	6.08	114989	7.31
8M60766.D	CAL @ 20 PP	270497	4.51	187558	6.08	104508	7.31
8M60767.D	CAL @ 10 PP	264588	4.51	182623	6.08	104449	7.31
8M60768.D	BLKJUG2	260250	4.51	183106	6.08	98144	7.31
8M60769.D	20 PPB	227843	4.51	160898	6.08	95055	7.31
8M60770.D	ICV	265866	4.51	189292	6.08	110385	7.31
8M60771.D	BLK	247272	4.51	172467	6.07	94501	7.31
8M60772.D	BLK	231071	4.51	155837	6.08	87432	7.31
8M60773.D	BLK	251149	4.51	173928	6.08	92005	7.31
8M60774.D	DAILY BLANK	252511	4.51	177363	6.08	98192	7.31
8M60775.D	DAILY BLANK	207446	4.51	147363	6.07	77868	7.31
8M60776.D	AC56048-001	256153	4.50	171503	6.07	99427	7.31
8M60777.D	MBS3848	245611	4.50	168202	6.07	96629	7.31
8M60778.D	MBS3849	263552	4.51	183206	6.07	107673	7.31
8M60779.D	AC56048-001(	248794	4.51	173440	6.07	91862	7.31
8M60780.D	EF-1V-10327E	219753	4.51	148538	6.08	79612	7.31
8M60781.D	AC56151-021	271597	4.51	185663	6.07	96465	7.31
8M60782.D	AC56172-001	250745	4.52	177748	6.09	102277	7.32
8M60783.D	AC56172-002	264778	4.51	182788	6.07	98836	7.31
8M60784.D	AC56172-003	262778	4.51	189631	6.07	95895	7.31
8M60785.D	AC56142-001	209938	4.51	149604	6.07	76252	7.31
8M60786.D	AC56142-002	248071	4.50	182590	6.07	95190	7.31
8M60787.D	BLK	238388	4.51	175554	6.07	91329	7.31
8M60788.D	AC56088-001	246869	4.50	170911	6.07	90412	7.31
8M60789.D	AC56088-003	247138	4.51	171641	6.07	92342	7.31
8M60790.D	AC56088-004	254838	4.50	171890	6.07	98753	7.31
8M60791.D	AC56088-006	261833	4.50	184340	6.07	100377	7.31
8M60792.D	AC56088-007	249391	4.50	181180	6.07	101550	7.31
8M60793.D	AC56088-011	238426	4.50	168050	6.07	90215	7.31
8M60794.D	AC56088-013	254660	4.50	175707	6.07	97352	7.31
8M60795.D	AC56088-010(	253519	4.50	175600	6.07	97589	7.31
8M60796.D	AC56088-009(	272434	4.50	192112	6.07	99861	7.31
8M60797.D	AC56088-008(	221955	4.50	153639	6.07	86756	7.31
8M60798.D	AC56088-002(	264932	4.50	183148	6.07	98652	7.31
8M60799.D	AC56088-012(	253919	4.50	178045	6.07	89652	7.31
8M60800.D	BLK	202419	4.50	140654	6.07	81774	7.31

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M61784.D Method: EPA 8260B

Analysis Date/Time: 12/30/10 06:35

Lab File ID: CAL@ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	221637	4.48	183422	6.06	104118	7.29						
Eval File Area Limit:	110818-443274		91711-366844		52059-208236							
Eval File Rt Limit:	3.98-4.98		5.56-6.56		6.79-7.79							

Data File	Sample						
8M61782.D	BLK	352285	4.50	247988	6.07	136491	7.30
8M61783.D	20 PPB	221384	4.50	189958	6.07	103677	7.30
8M61785.D	BLK	219350	4.49	177828	6.06	101002	7.30
8M61786.D	DAILY BLANK	199913	4.50	167175	6.07	94260	7.30
8M61787.D	DAILY BLANK	202938	4.50	170355	6.07	92355	7.30
8M61788.D	MBS5376	223860	4.49	178673	6.06	107472	7.30
8M61789.D	MBS5377	219766	4.50	171244	6.07	100466	7.31
8M61790.D	AC56546-005	212584	4.49	171112	6.06	93172	7.30
8M61791.D	56438-001	168783	4.50	133475	6.07	55845	7.31
8M61792.D	AC56438-001	179319	4.50	148634	6.07	88857	7.31
8M61793.D	AC56495-002(	218257	4.49	177948	6.06	103763	7.30
8M61794.D	AC56495-001(	221227	4.50	191792	6.07	113695	7.30
8M61795.D	AC56524-005(	222059	4.50	176002	6.07	109584	7.30
8M61796.D	AC56524-008(	220779	4.50	175924	6.07	106461	7.31
8M61797.D	AC56464-001(	219738	4.50	183602	6.07	102112	7.30
8M61798.D	AC56464-002(	223002	4.50	186326	6.07	96769	7.31
8M61799.D	AC56464-003(	216964	4.50	180325	6.07	110070	7.30
8M61800.D	EF-1-V-10450	213068	4.50	174647	6.07	102106	7.31
8M61801.D	AC56517-009	221931	4.50	183301	6.07	102519	7.31
8M61802.D	AC56517-011	214456	4.50	181979	6.07	102025	7.30
8M61803.D	AC56517-020	227199	4.50	178791	6.07	105135	7.31
8M61804.D	AC56517-021	219886	4.50	185008	6.07	101327	7.30
8M61805.D	AC56517-049(	221047	4.50	180598	6.07	107088	7.30
8M61806.D	AC56517-023(	225607	4.49	195870	6.06	111520	7.30
8M61807.D	AC56517-024(	219804	4.49	180148	6.06	103272	7.30
8M61809.D	AC56517-045	212208	4.50	179869	6.07	98180	7.30
8M61810.D	AC56517-037	207114	4.50	173822	6.07	101478	7.31
8M61811.D	AC56517-038	214618	4.50	181681	6.07	104160	7.30
8M61812.D	AC56517-039	220118	4.50	179437	6.07	105480	7.30
8M61813.D	AC56517-040	215108	4.50	180018	6.07	101436	7.30
8M61814.D	AC56517-028	200583	4.50	171988	6.07	102730	7.31
8M61815.D	AC56517-032	208014	4.50	179032	6.07	100425	7.30
8M61816.D	AC56517-029	216863	4.50	183113	6.07	101938	7.31
8M61817.D	AC56517-030(	203741	4.50	183825	6.07	110651	7.31
8M61818.D	AC56517-031(	218610	4.50	178292	6.07	108280	7.30
8M61819.D	AC56570-001(	213665	4.50	177563	6.07	102995	7.31
8M61820.D	AC56570-002(	217621	4.50	182229	6.07	108378	7.31
8M61821.D	MBS5387	221625	4.50	183158	6.07	109944	7.31
8M61822.D	AC56464-001(	189643	4.50	156739	6.07	93909	7.31
8M61823.D	AC56464-001(	220082	4.50	190876	6.07	112289	7.31
8M61824.D	AC56529-005(	209345	4.50	165708	6.07	99167	7.31
8M61825.D	AC56529-005(	203368	4.50	168935	6.07	95202	7.31
8M61826.D	BLK	217441	4.50	179391	6.07	100239	7.31
8M61827.D	BLK	217476	4.50	179628	6.07	97535	7.30
8M61828.D	MBS5388	218119	4.50	179873	6.07	104390	7.30
8M61829.D	BLK	208176	4.50	178934	6.07	102071	7.30
8M61842.D	MBS5389	224801	4.50	185123	6.07	114491	7.30
8M61843.D	BLK	207824	4.50	174750	6.07	102803	7.30
8M61852.D	MBS5390	216244	4.50	187500	6.07	111687	7.31
8M61853.D	AC56499-002(	215289	4.50	186584	6.07	115051	7.31
8M61854.D	AC56499-002(	169967	4.50	149502	6.07	88980	7.31
8M61855.D	BLK	211274	4.50	184343	6.07	101675	7.31
8M61856.D	BLK	165965	4.50	151707	6.07	85728	7.31

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Cblorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-001(80uL)
Client Id: PJ Baseline-1
Data File: 8M61794.D
Analysis Date: 12/30/10 09:45
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5.05g:10ml
Final Vol: NA
Dilution: 990
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.54	U	56-23-5	Carbon Tetrachloride	0.75	U
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U	108-90-7	Chlorobenzene	0.75	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.92	U	75-00-3	Chloroethane	0.86	U
79-00-5	1,1,2-Trichloroethane	0.62	U	67-66-3	Chloroform	0.41	U
75-34-3	1,1-Dichloroethane	0.37	U	74-87-3	Chloromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.66	U	156-59-2	cis-1,2-Dichloroethene	0.32	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.72	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.27**	**21**	124-48-1	Dibromochloromethane	0.62	U
95-50-1	1,2-Dichlorobenzene	0.86	U	75-71-8	Dichlorodifluoromethane	0.57	U
107-06-2	1,2-Dichloroethane	0.48	U	**100-41-4**	**Ethylbenzene**	**0.73**	**8.5**
78-87-5	1,2-Dichloropropane	0.41	U	**98-82-8**	**Isopropylbenzene**	**0.47**	**2.2**
108-67-8	**1,3,5-Trimethylbenzene**	**0.65**	**6.4**	**136777612**	**m&p-Xylenes**	**0.84**	**18**
541-73-1	1,3-Dichlorobenzene	0.47	U	75-09-2	Methylene Chloride	0.87	U
142-28-9	1,3-Dichloropropane	0.57	U	1634-04-4	Methyl-t-butyl ether	0.35	U
106-46-7	1,4-Dichlorobenzene	0.37	U	104-51-8	n-Butylbenzene	0.54	U
123-91-1	1,4-Dioxane	31	U	**103-65-1**	**n-Propylbenzene**	**0.38**	**0.75 J**
78-93-3	2-Butanone	1.0	U	**95-47-6**	**o-Xylene**	**0.61**	**10**
110-75-8	2-Chloroethylvinylether	0.97	U	135-98-8	sec-Butylbenzene	0.52	U
591-78-6	2-Hexanone	0.52	U	100-42-5	Styrene	0.37	U
99-87-6	**4-Isopropyltoluene**	**0.55**	**2.2**	75-65-0	t-Butyl Alcohol	5.6	U
108-10-1	4-Methyl-2-Pentanone	0.96	U	98-06-6	t-Butylbenzene	0.28	U
67-64-1	Acetone	4.4	U	127-18-4	Tetrachloroethene	0.37	U
107-02-8	Acrolein	3.2	U	**108-88-3**	**Toluene**	**0.45**	**2.0**
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	0.91	U
71-43-2	**Benzene**	**0.41**	**0.57**	10061-02-6	trans-1,3-Dichloropropene	0.69	U
75-27-4	Bromodichloromethane	0.48	U	79-01-6	Trichloroethene	0.50	U
75-25-2	Bromoform	0.32	U	75-69-4	Trichlorofluoromethane	0.96	U
74-83-9	Bromomethane	1.1	U	75-01-4	Vinyl Chloride	0.95	U
75-15-0	Carbon Disulfide	0.34	U	**1330-20-7**	**Xylenes (Total)**	**0.61**	**28**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

SampleID : AC56495-001(80uL) Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M61794.D Sam Mult : 1 Vial# : 15 Qt On : 02/14/11 15:44
Acq On : 12/30/10 09:45 Misc : M,MEXT!3 Qt Upd On: 12/08/10 13:21

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.496	96	221227	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.067	117	191792	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.300	152	113695	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.093	111	62763	30.37	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.23%			
35) 1,2-Dichloroethane-d4	4.303	102	16008	34.24	ug/l	-0.01
Spiked Amount 30.000			Recovery = 114.13%			
59) Toluene-d8	5.326	100	145890	26.21	ug/l	-0.01
Spiked Amount 30.000			Recovery = 87.37%			
67) Bromofluorobenzene	6.674	174	108639	28.01	ug/l	-0.01
Spiked Amount 30.000			Recovery = 93.37%			
Target Compounds						Qvalue
46) Benzene	4.346	78	5101	0.51	ug/l	100
60) Toluene	5.356	92	12274	1.75	ug/l	83
65) Ethylbenzene	6.127	106	24424	7.53	ug/l	68
69) m&p-Xylenes	6.187	106	65957	16.00	ug/l	93
70) o-Xylene	6.391	106	35196	9.06	ug/l	81
75) Isopropylbenzene	6.584	105	16386	1.96	ug/l	96
82) n-Propylbenzene	6.801	91	7226	0.67	ug/l	91
84) 1,3,5-Trimethylbenzene	6.885	105	40564	5.65	ug/l	86
86) 1,2,4-Trimethylbenzene	7.096	105	142467	18.38	ug/l	87
88) 4-Isopropyltoluene	7.264	119	10951	1.97	ug/l	78

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

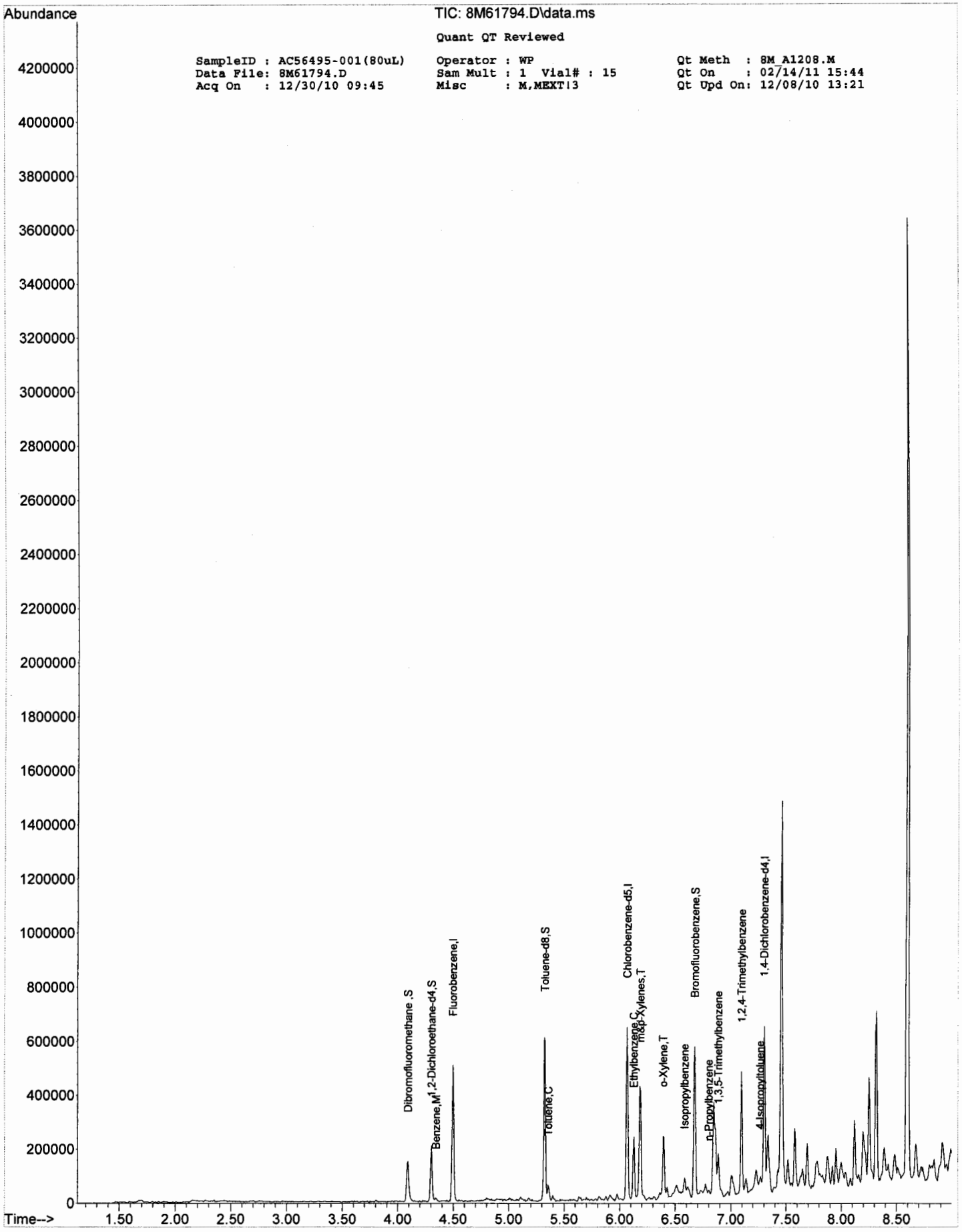
TIC: 8M61794.D\data.ms

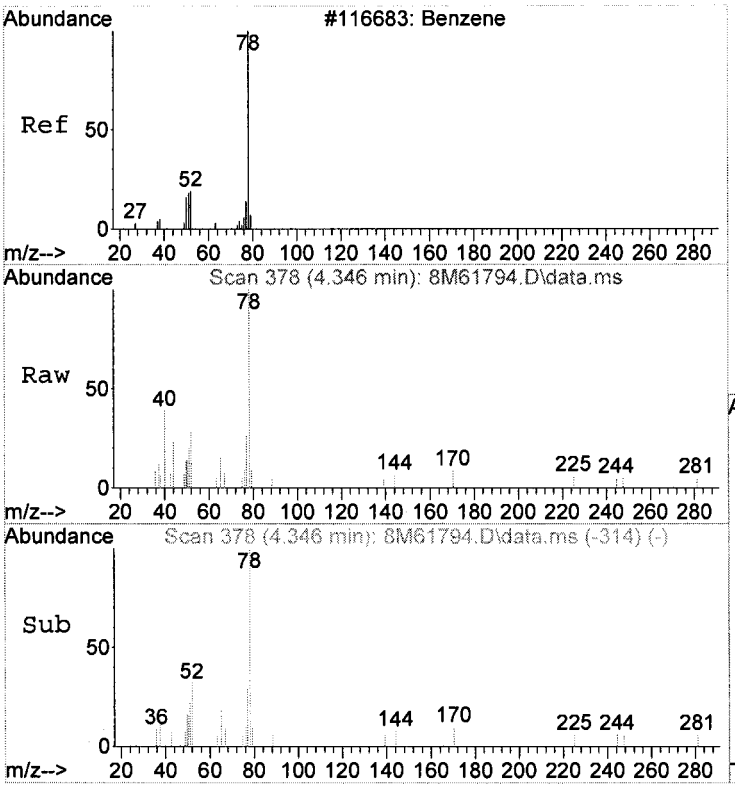
Quant QT Reviewed

SampleID : AC56495-001(80uL)
Data File: 8M61794.D
Acq On : 12/30/10 09:45

Operator : WP
Sam Mult : 1 Vial# : 15
Misc : M,MEXT13

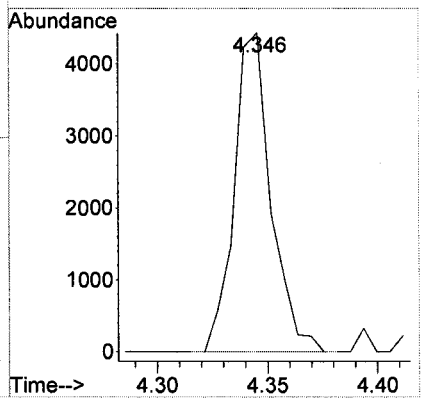
Qt Meth : 8M_A1208.M
Qt On : 02/14/11 15:44
Qt Upd On: 12/08/10 13:21

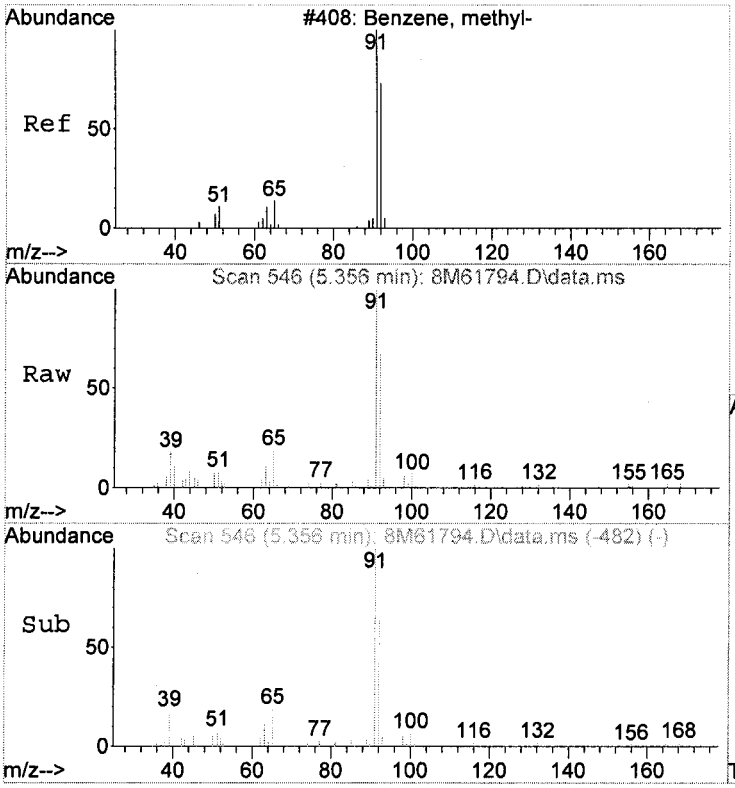




#46
Benzene
Concen: 0.51 ug/l
RT: 4.346 min Scan# 378
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion: 78 Resp: 5101

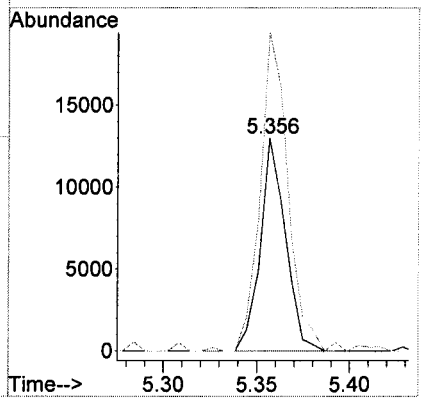


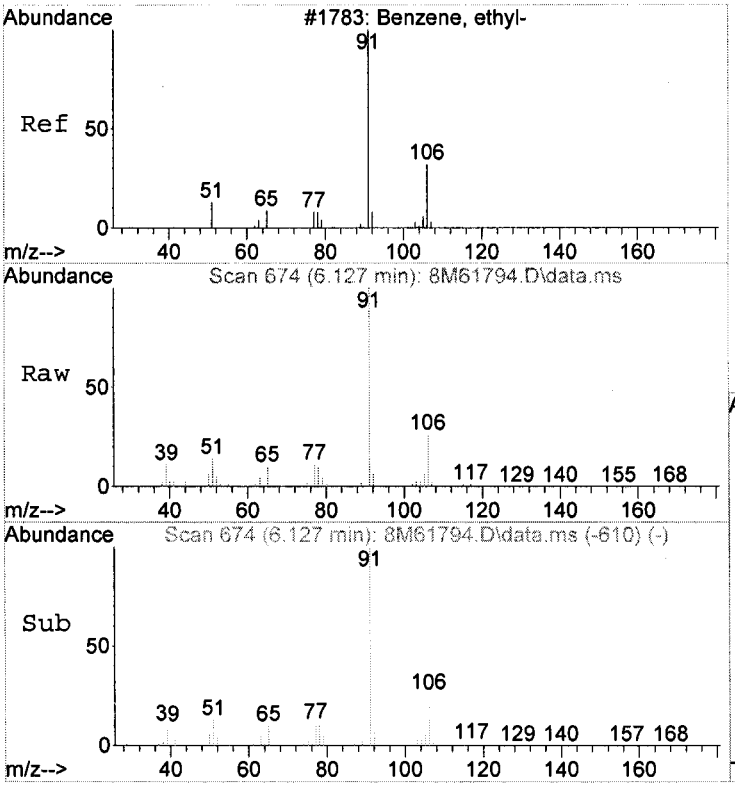


#60
Toluene
Concen: 1.75 ug/l
RT: 5.356 min Scan# 546
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion: 92 Resp: 12274

Ion	Ratio	Lower	Upper
92	100		
91	149.5	104.1	242.9

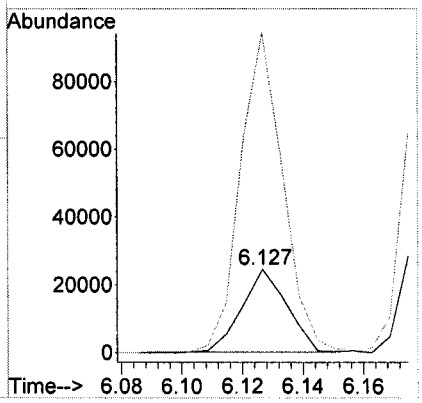


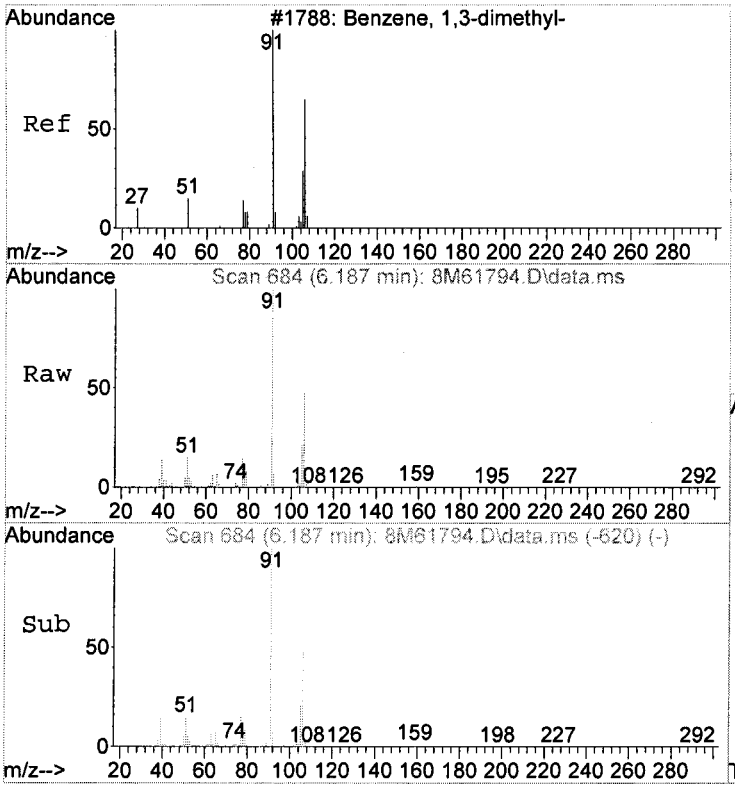


#65
Ethylbenzene
Concen: 7.53 ug/l
RT: 6.127 min Scan# 674
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:106 Resp: 24424

Ion	Ratio	Lower	Upper
106	100		
91	384.6	191.5	446.7

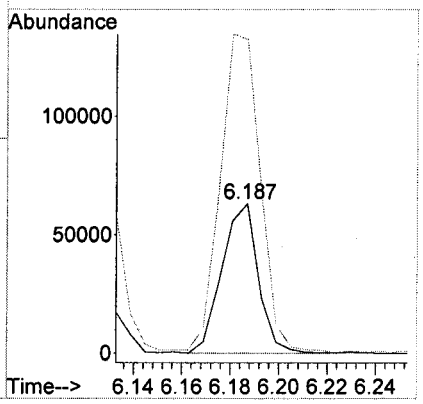


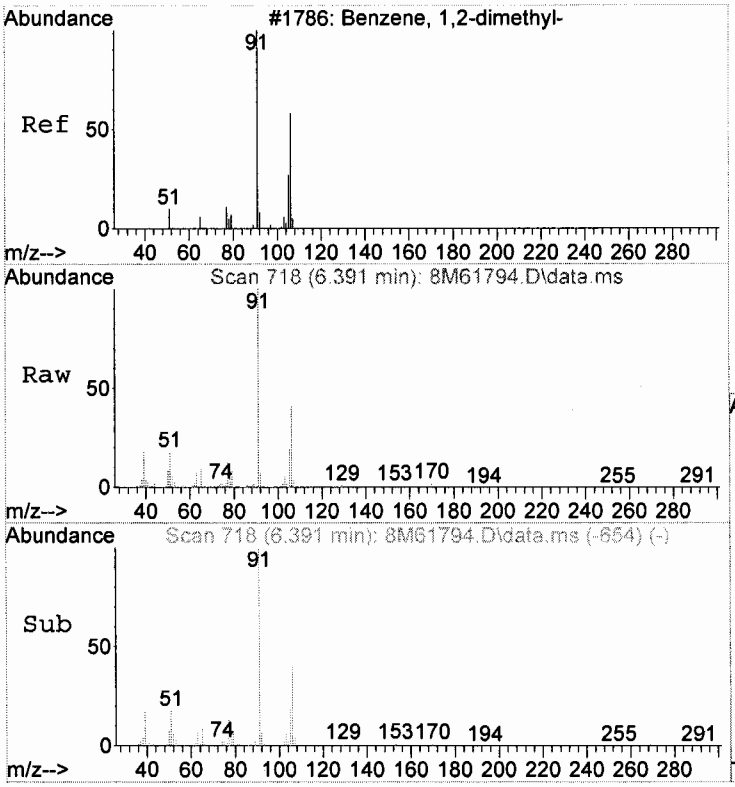


#69
m&p-Xylenes
Concen: 16.00 ug/l
RT: 6.187 min Scan# 684
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:106 Resp: 65957

Ion	Ratio	Lower	Upper
106	100		
91	208.8	132.0	308.0

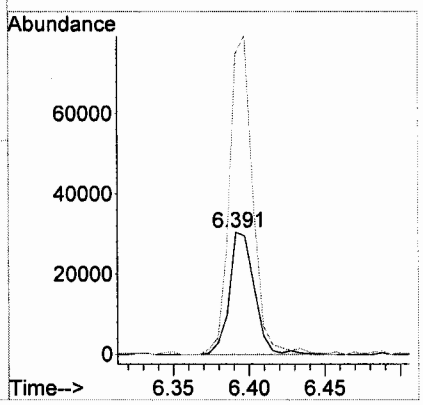


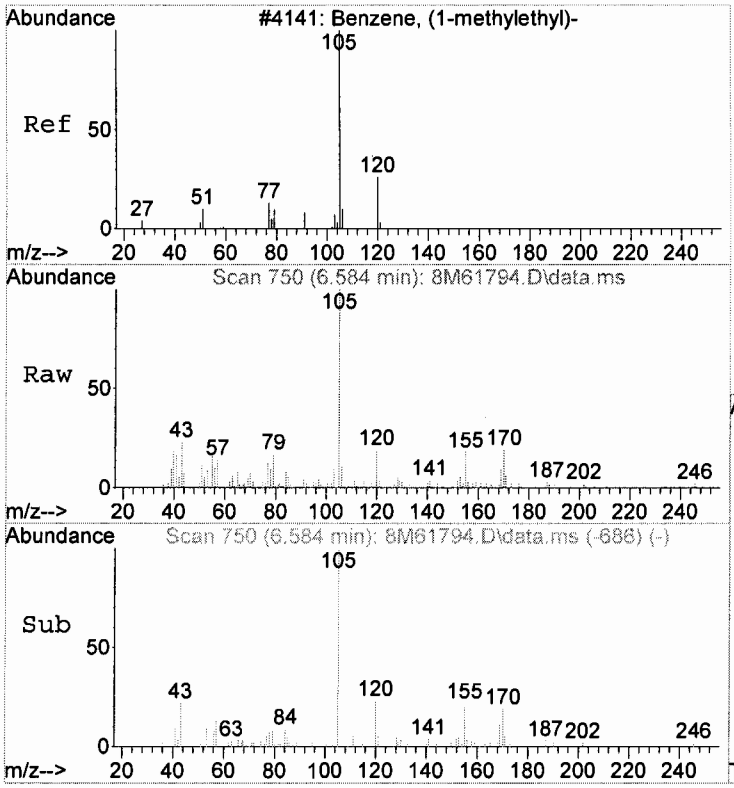


#70
o-Xylene
Concen: 9.06 ug/l
RT: 6.391 min Scan# 718
Delta R.T. -0.018 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:106 Resp: 35196

Ion	Ratio	Lower	Upper
106	100		
91	245.9	129.1	301.1

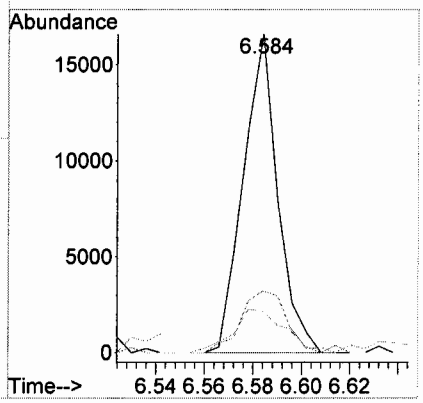


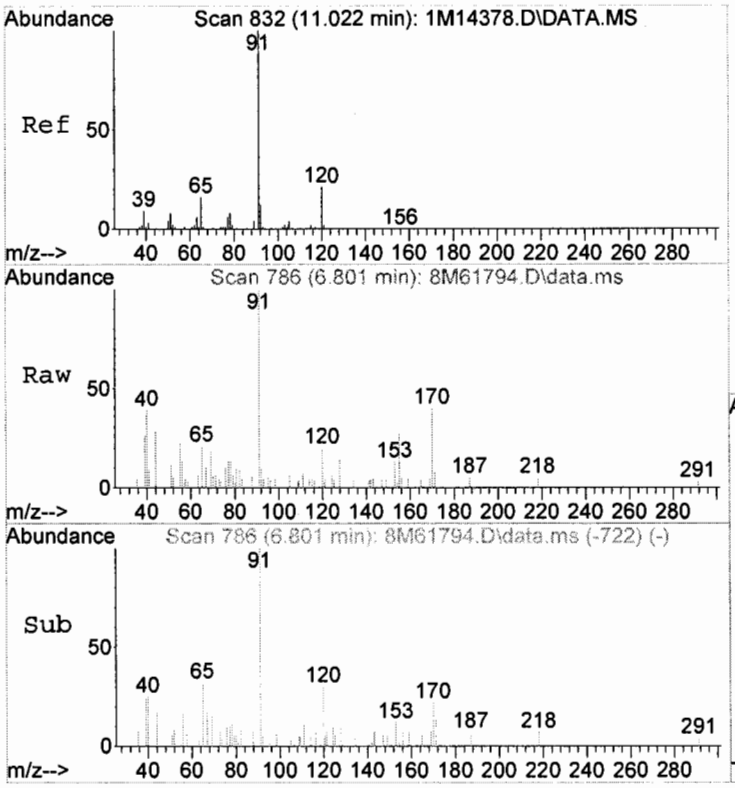


#75
Isopropylbenzene
Concen: 1.96 ug/l
RT: 6.584 min Scan# 750
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:105 Resp: 16386

Ion	Ratio	Lower	Upper
105	100		
120	25.4	0.0	66.9
77	20.5	0.0	58.3

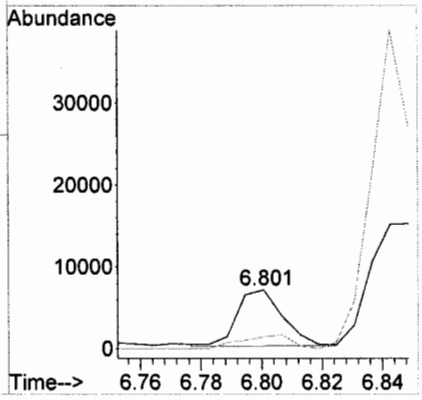


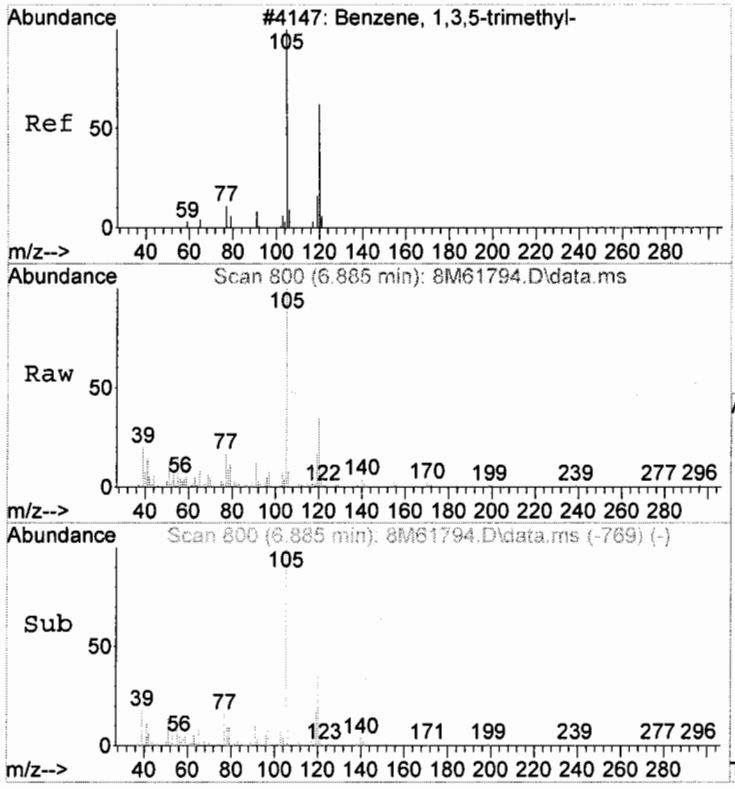


#82
n-Propylbenzene
Concen: 0.67 ug/l
RT: 6.801 min Scan# 786
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion: 91 Resp: 7226

Ion	Ratio	Lower	Upper
91	100		
120	26.0	0.0	61.6

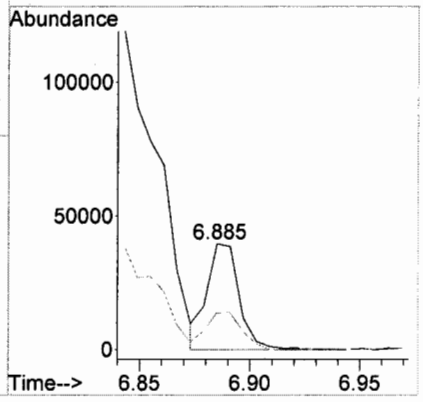


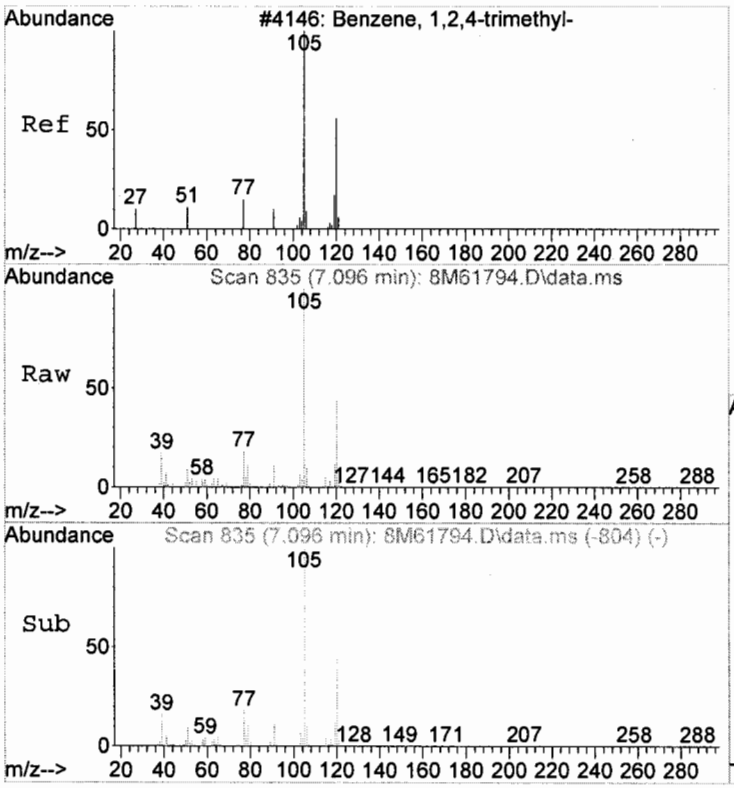


#84
1,3,5-Trimethylbenzene
Concen: 5.65 ug/l
RT: 6.885 min Scan# 800
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:105 Resp: 40564

Ion	Ratio	Lower	Upper
105	100		
120	39.0	8.5	88.5

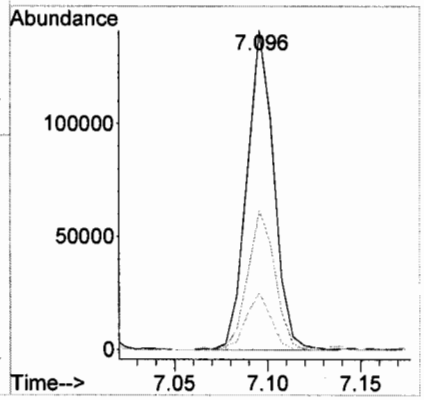


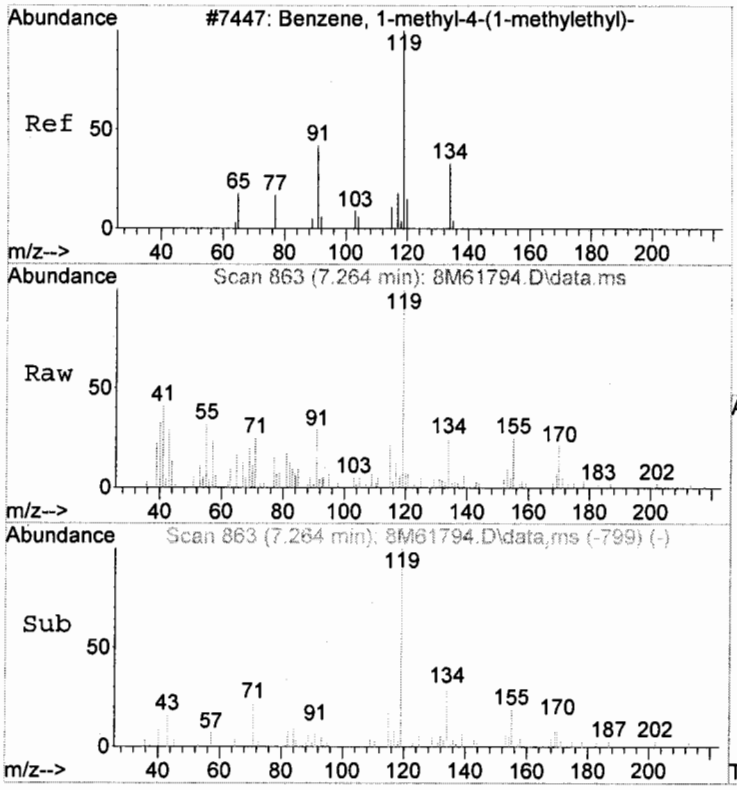


#86
1,2,4-Trimethylbenzene
Concen: 18.38 ug/l
RT: 7.096 min Scan# 835
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:105 Resp: 142467

Ion	Ratio	Lower	Upper
105	100		
120	44.0	12.2	92.2
77	17.5	0.0	66.0

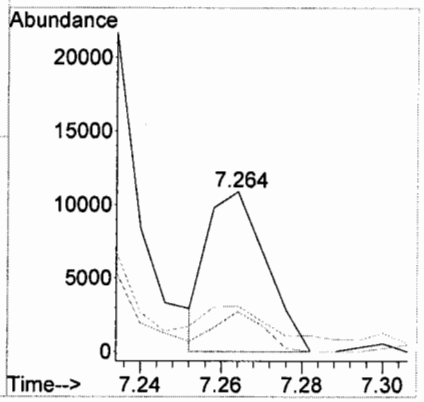




#88
4-Isopropyltoluene
Concen: 1.97 ug/l
RT: 7.264 min Scan# 863
Delta R.T. -0.012 min
Lab File: 8M61794.D
Acq: 30 Dec 2010 9:45

Tgt Ion:119 Resp: 10951

Ion	Ratio	Lower	Upper
119	100		
134	20.9	0.0	66.7
91	43.4	0.0	66.3



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-002(80uL)
Client Id: PJ Baseline-2
Data File: 8M61793.D
Analysis Date: 12/30/10 09:29
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5.06g:10ml
Final Vol: NA
Dilution: 988
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.54	U	56-23-5	Carbon Tetrachloride	0.75	U
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U	108-90-7	Chlorobenzene	0.75	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.92	U	75-00-3	Chloroethane	0.86	U
79-00-5	1,1,2-Trichloroethane	0.62	U	67-66-3	Chloroform	0.41	U
75-34-3	1,1-Dichloroethane	0.37	U	74-87-3	Chloromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.66	U	156-59-2	cis-1,2-Dichloroethene	0.32	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.71	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.27**	**22**	124-48-1	Dibromochloromethane	0.62	U
95-50-1	1,2-Dichlorobenzene	0.86	U	75-71-8	Dichlorodifluoromethane	0.57	U
107-06-2	1,2-Dichloroethane	0.48	U	**100-41-4**	**Ethylbenzene**	**0.73**	**9.1**
78-87-5	1,2-Dichloropropane	0.41	U	**98-82-8**	**Isopropylbenzene**	**0.47**	**2.2**
108-67-8	**1,3,5-Trimethylbenzene**	**0.65**	**6.5**	**136777612**	**m&p-Xylenes**	**0.84**	**17**
541-73-1	1,3-Dichlorobenzene	0.47	U	75-09-2	Methylene Chloride	0.87	U
142-28-9	1,3-Dichloropropane	0.57	U	1634-04-4	Methyl-t-butyl ether	0.35	U
106-46-7	1,4-Dichlorobenzene	0.37	U	**104-51-8**	**n-Butylbenzene**	**0.54**	**0.99 J**
123-91-1	1,4-Dioxane	31	U	**103-65-1**	**n-Propylbenzene**	**0.38**	**0.68 J**
78-93-3	2-Butanone	1.0	U	**95-47-6**	**o-Xylene**	**0.60**	**11**
110-75-8	2-Chloroethylvinylether	0.97	U	**135-98-8**	**sec-Butylbenzene**	**0.52**	**0.55 J**
591-78-6	2-Hexanone	0.51	U	100-42-5	Styrene	0.37	U
99-87-6	**4-Isopropyltoluene**	**0.55**	**2.6**	75-65-0	t-Butyl Alcohol	5.6	U
108-10-1	4-Methyl-2-Pentanone	0.96	U	98-06-6	t-Butylbenzene	0.28	U
67-64-1	Acetone	4.4	U	127-18-4	Tetrachloroethene	0.37	U
107-02-8	Acrolein	3.2	U	**108-88-3**	**Toluene**	**0.44**	**1.6**
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	0.91	U
71-43-2	Benzene	0.41	U	10061-02-6	trans-1,3-Dichloropropene	0.69	U
75-27-4	Bromodichloromethane	0.48	U	79-01-6	Trichloroethene	0.50	U
75-25-2	Bromoform	0.32	U	75-69-4	Trichlorofluoromethane	0.96	U
74-83-9	Bromomethane	1.1	U	75-01-4	Vinyl Chloride	0.95	U
75-15-0	Carbon Disulfide	0.34	U	**1330-20-7**	**Xylenes (Total)**	**0.60**	**28**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

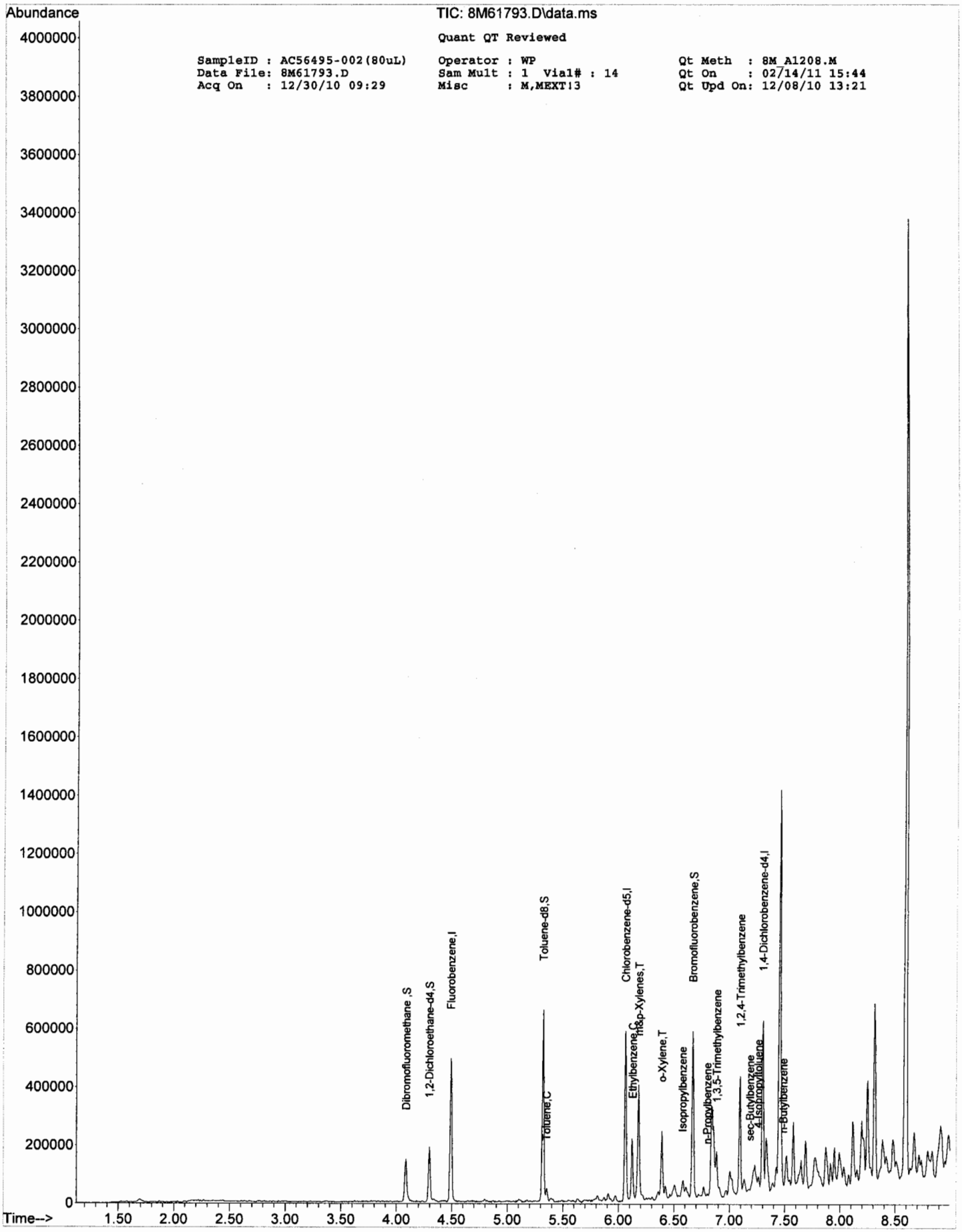
Quantitation Report (QT Reviewed)

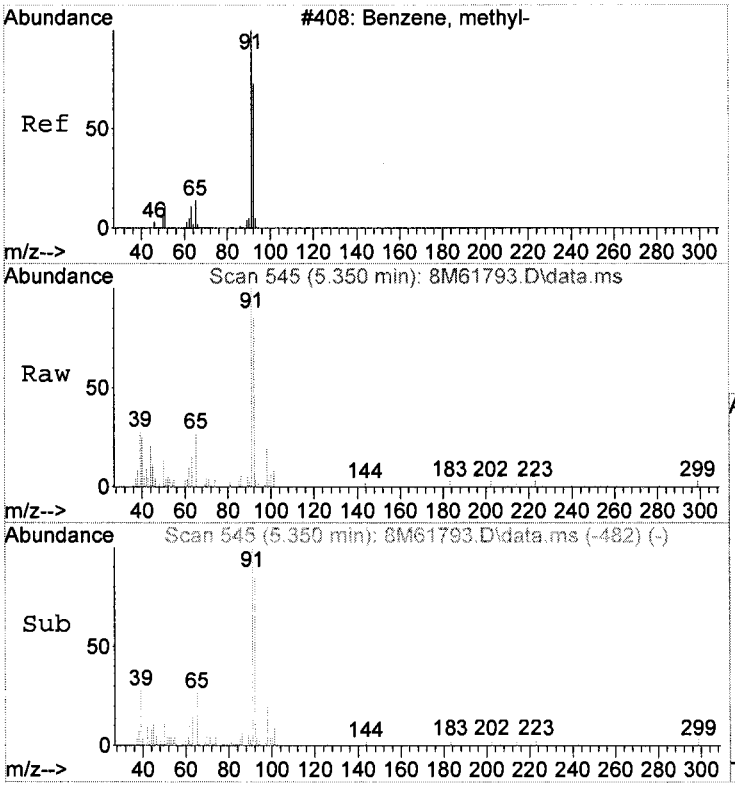
SampleID : AC56495-002(80uL) Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M61793.D Sam Mult : 1 Vial# : 14 Qt On : 02/14/11 15:44
Acq On : 12/30/10 09:29 Misc : M,MEXT!3 Qt Upd On: 12/08/10 13:21

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.490	96	218257	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.060	117	177948	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.300	152	103763	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.086	111	61463	30.15	ug/l	-0.02
Spiked Amount 30.000			Recovery = 100.50%			
35) 1,2-Dichloroethane-d4	4.297	102	14136	30.65	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.17%			
59) Toluene-d8	5.320	100	142363	27.57	ug/l	-0.02
Spiked Amount 30.000			Recovery = 91.90%			
67) Bromofluorobenzene	6.668	174	106171	30.00	ug/l	-0.02
Spiked Amount 30.000			Recovery = 100.00%			
Target Compounds						Qvalue
60) Toluene	5.350	92	9212	1.42	ug/l	60
65) Ethylbenzene	6.126	106	23896	8.07	ug/l	84
69) m&p-Xylenes	6.181	106	55716	14.81	ug/l	96
70) o-Xylene	6.391	106	33399	9.42	ug/l	80
75) Isopropylbenzene	6.578	105	14900	1.95	ug/l	87
82) n-Propylbenzene	6.800	91	6074	0.61	ug/l	95
84) 1,3,5-Trimethylbenzene	6.885	105	38084	5.81	ug/l	89
86) 1,2,4-Trimethylbenzene	7.095	105	136932	19.36	ug/l	82
87) sec-Butylbenzene	7.185	105	3105	0.49	ug/l	93
88) 4-Isopropyltoluene	7.258	119	11550	2.28	ug/l	99
89) n-Butylbenzene	7.486	91	5488m	0.88	ug/l	

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

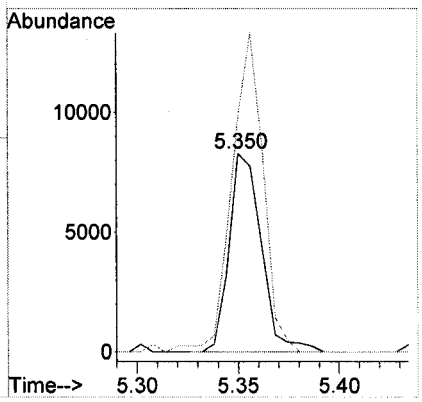

Abundance
TIC: 8M61793.D\data.ms
Quant QT Reviewed
SampleID : AC56495-002(80uL)
Data File: 8M61793.D
Acq On : 12/30/10 09:29
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : M,MEXT!3
Qt Meth : 8M_A1208.M
Qt On : 02/14/11 15:44
Qt Upd On: 12/08/10 13:21
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Time-->

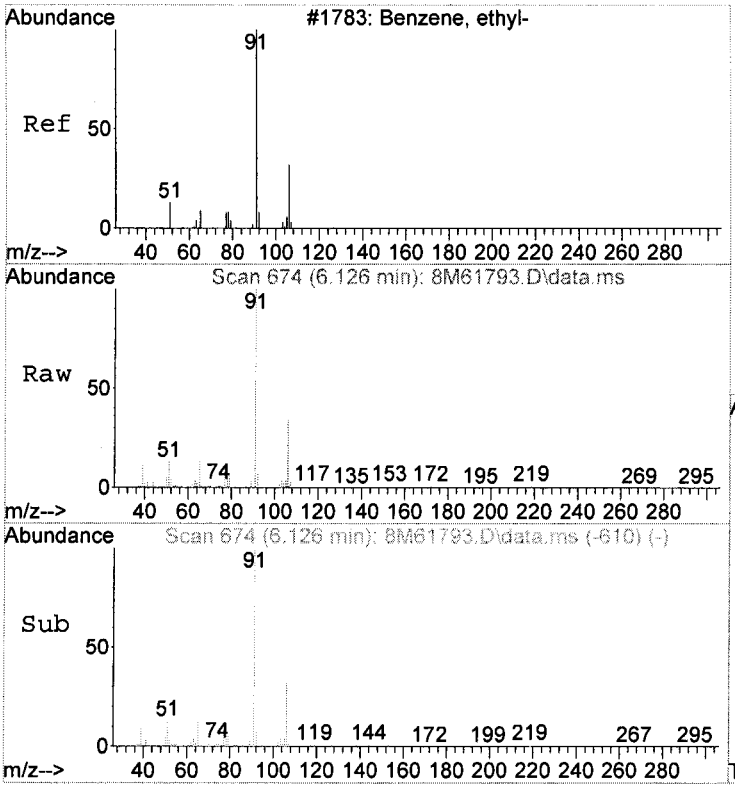


#60
Toluene
Concen: 1.42 ug/l
RT: 5.350 min Scan# 545
Delta R.T. -0.019 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion: 92 Resp: 9212

Ion	Ratio	Lower	Upper
92	100		
91	118.1	104.1	242.9

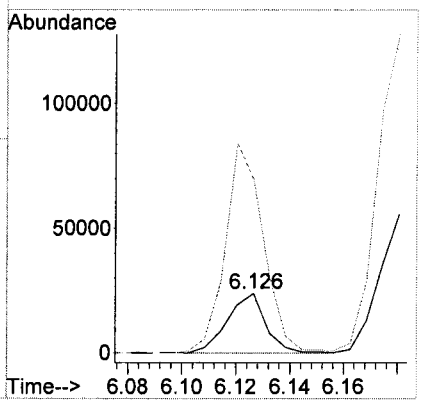


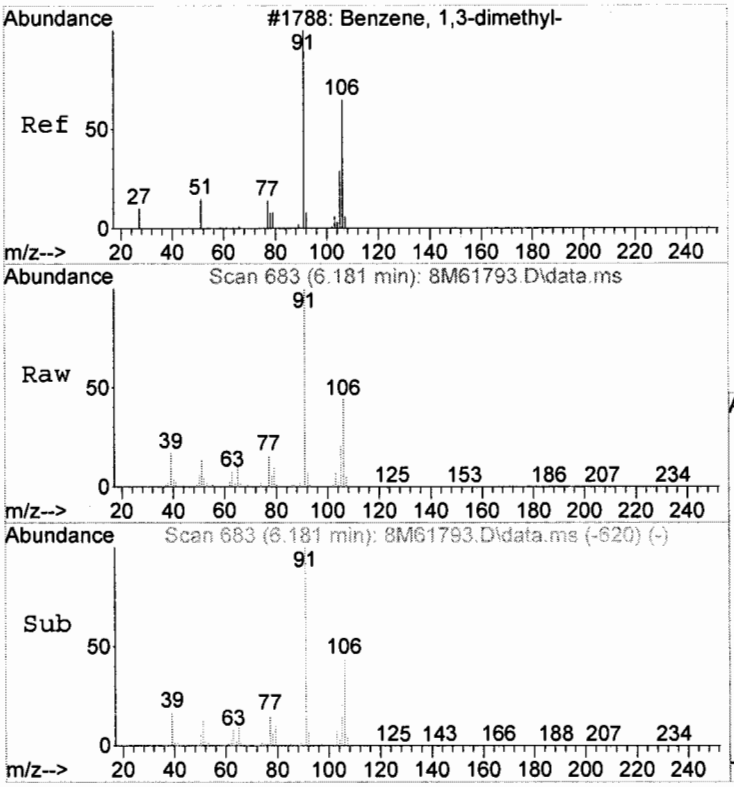


#65
Ethylbenzene
Concen: 8.07 ug/l
RT: 6.126 min Scan# 674
Delta R.T. -0.013 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:106 Resp: 23896

Ion	Ratio	Lower	Upper
106	100		
91	287.3	191.5	446.7

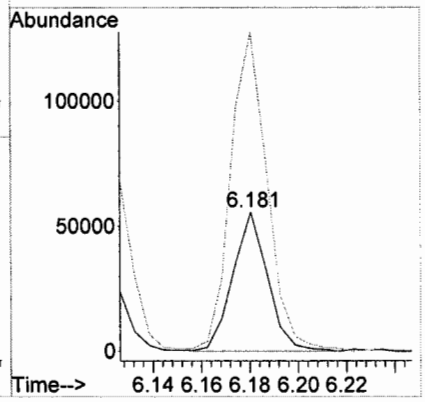


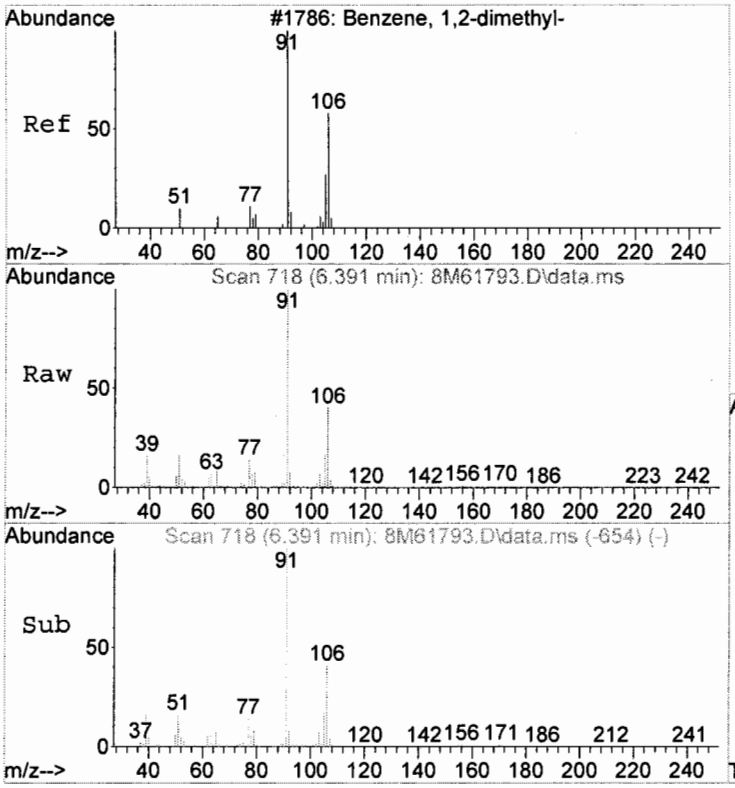


#69
m&p-Xylenes
Concen: 14.81 ug/l
RT: 6.181 min Scan# 683
Delta R.T. -0.018 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:106 Resp: 55716

Ion	Ratio	Lower	Upper
106	100		
91	227.0	132.0	308.0

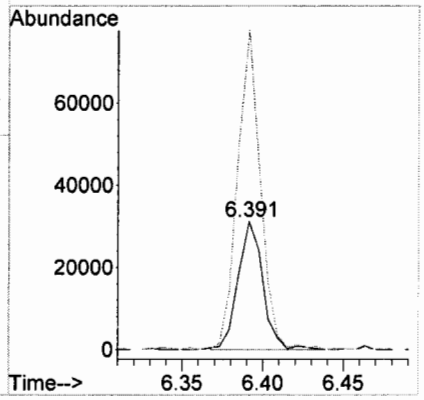


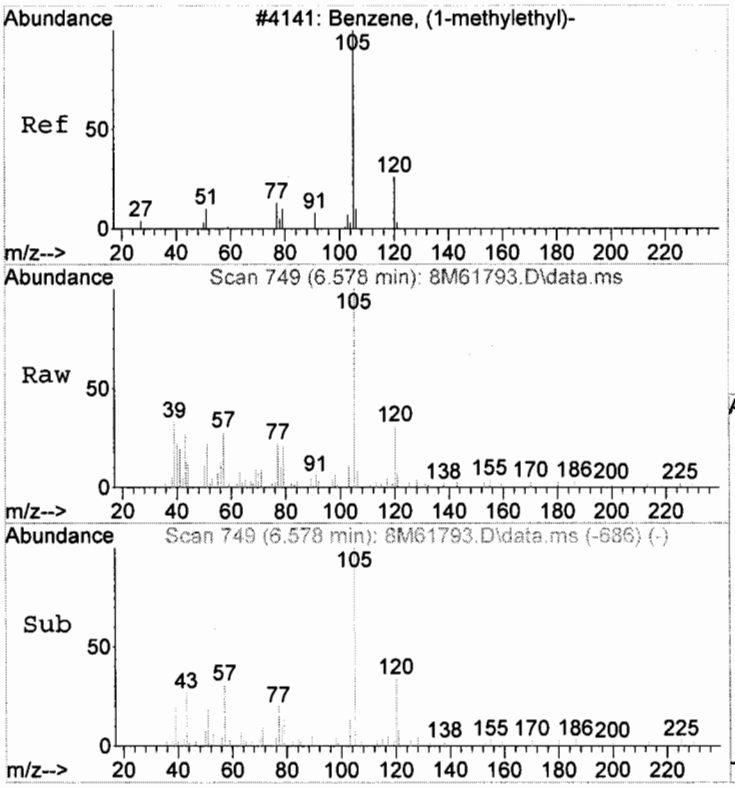


#70
o-Xylene
Concen: 9.42 ug/l
RT: 6.391 min Scan# 718
Delta R.T. -0.018 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:106 Resp: 33399

Ion	Ratio	Lower	Upper
106	100		
91	247.4	129.1	301.1

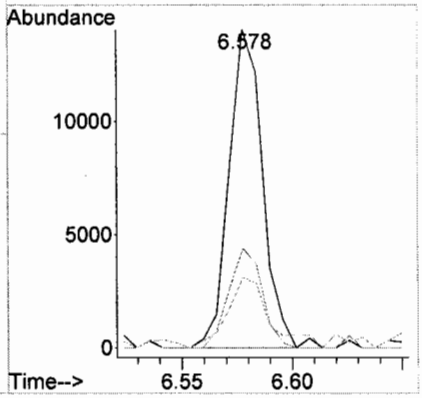


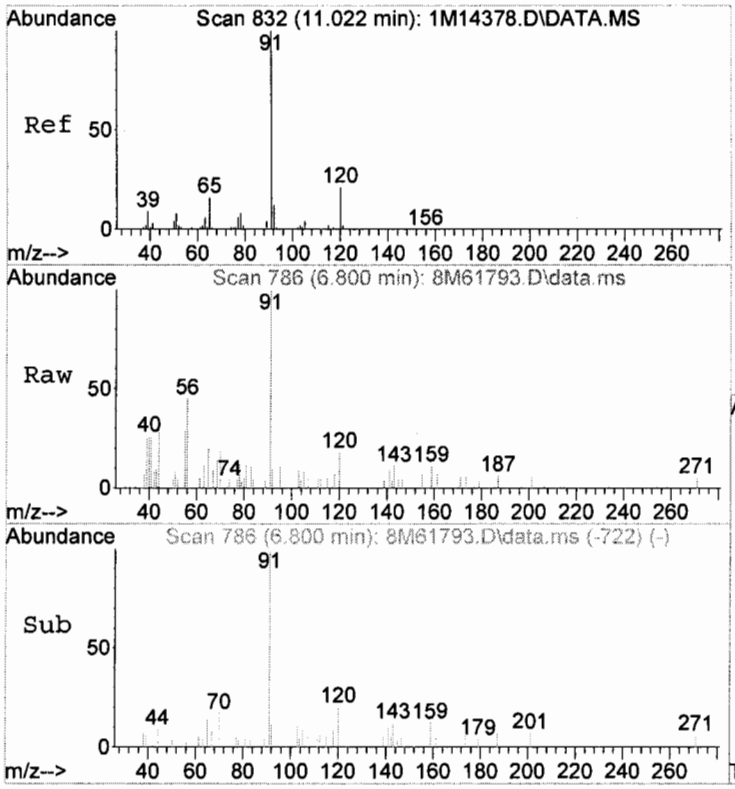


#75
Isopropylbenzene
Concen: 1.95 ug/l
RT: 6.578 min Scan# 749
Delta R.T. -0.019 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:105 Resp: 14900

Ion	Ratio	Lower	Upper
105	100		
120	31.0	0.0	66.9
77	27.5	0.0	58.3

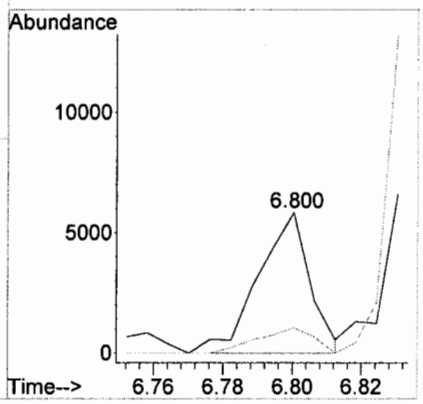


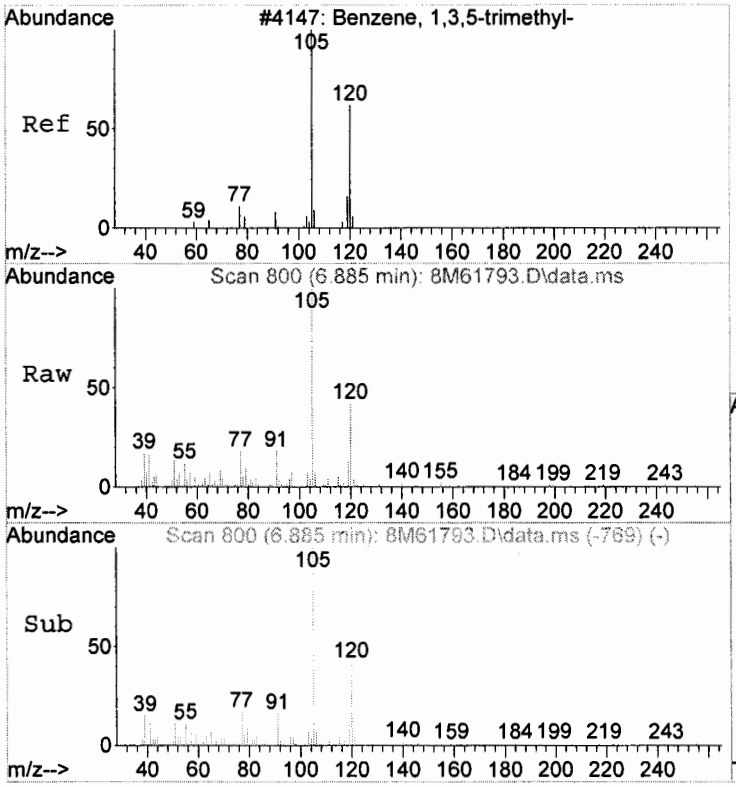


#82
n-Propylbenzene
Concen: 0.61 ug/l
RT: 6.800 min Scan# 786
Delta R.T. -0.013 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion: 91 Resp: 6074

Ion	Ratio	Lower	Upper
91	100		
120	19.3	0.0	61.6

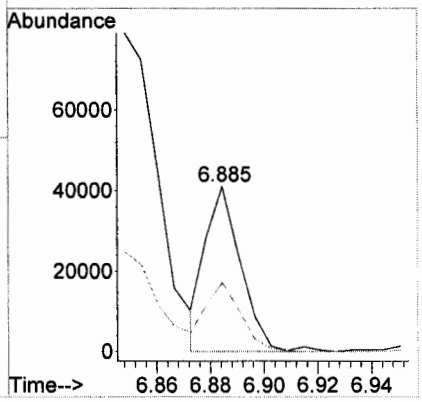


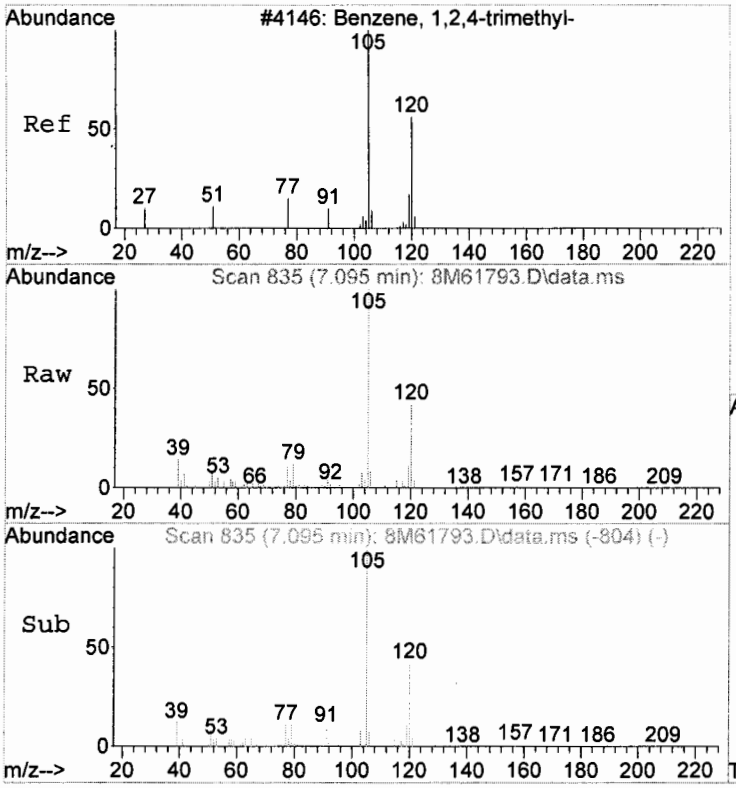


#84
1,3,5-Trimethylbenzene
Concen: 5.81 ug/l
RT: 6.885 min Scan# 800
Delta R.T. -0.013 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:105 Resp: 38084

Ion	Ratio	Lower	Upper
105	100		
120	41.0	8.5	88.5

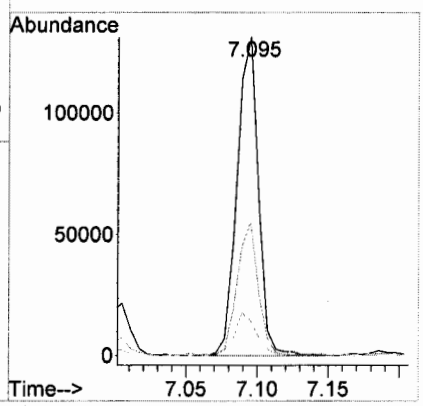


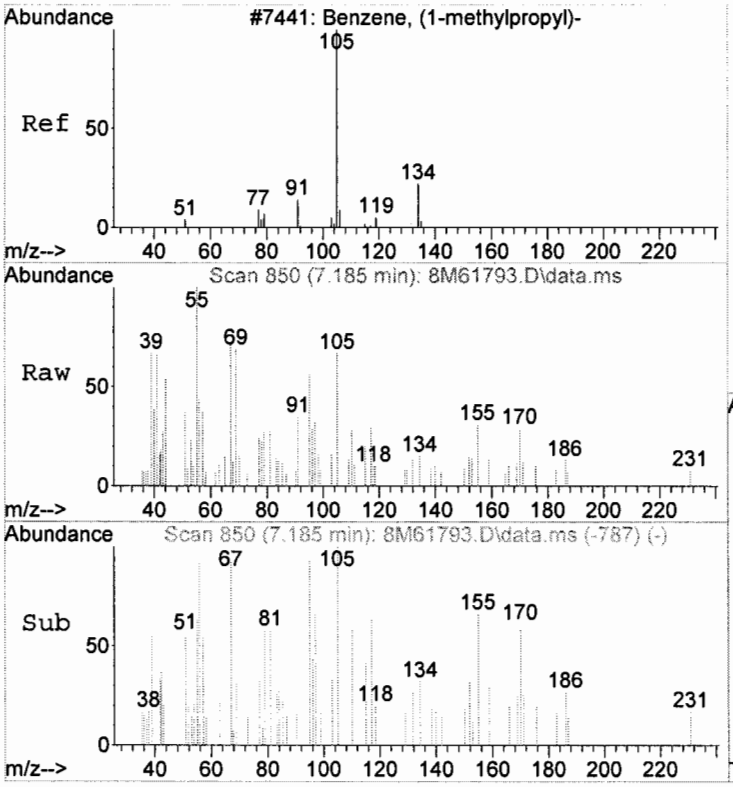


#86
1,2,4-Trimethylbenzene
Concen: 19.36 ug/l
RT: 7.095 min Scan# 835
Delta R.T. -0.013 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:105 Resp: 136932

Ion	Ratio	Lower	Upper
105	100		
120	41.5	12.2	92.2
77	14.2	0.0	66.0

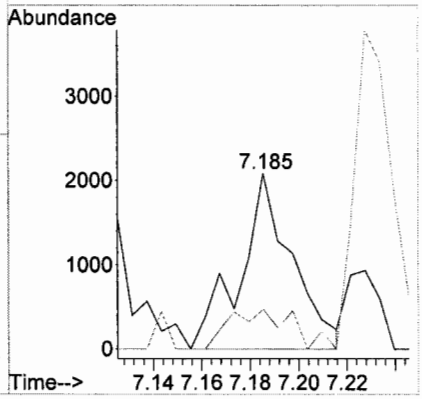


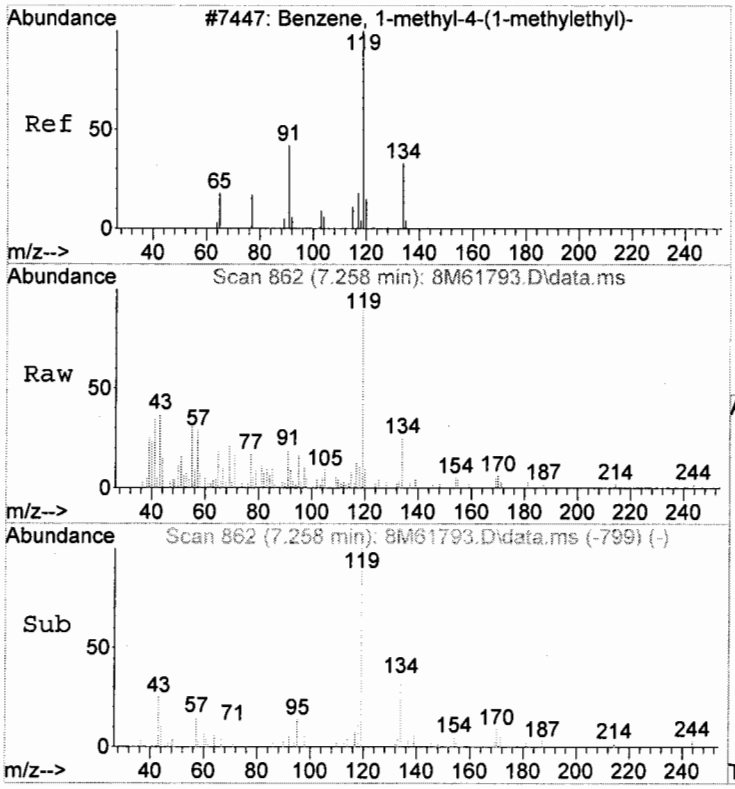


#87
sec-Butylbenzene
Concen: 0.49 ug/l
RT: 7.185 min Scan# 850
Delta R.T. -0.019 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:105 Resp: 3105

Ion	Ratio	Lower	Upper
105	100		
134	25.3	0.0	61.8

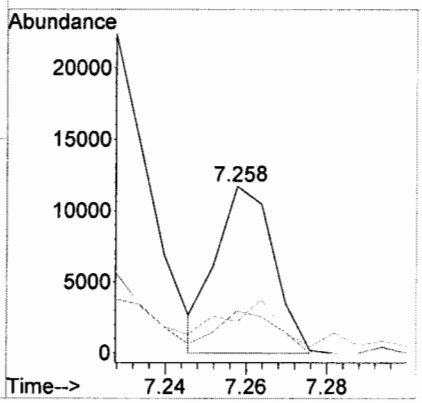


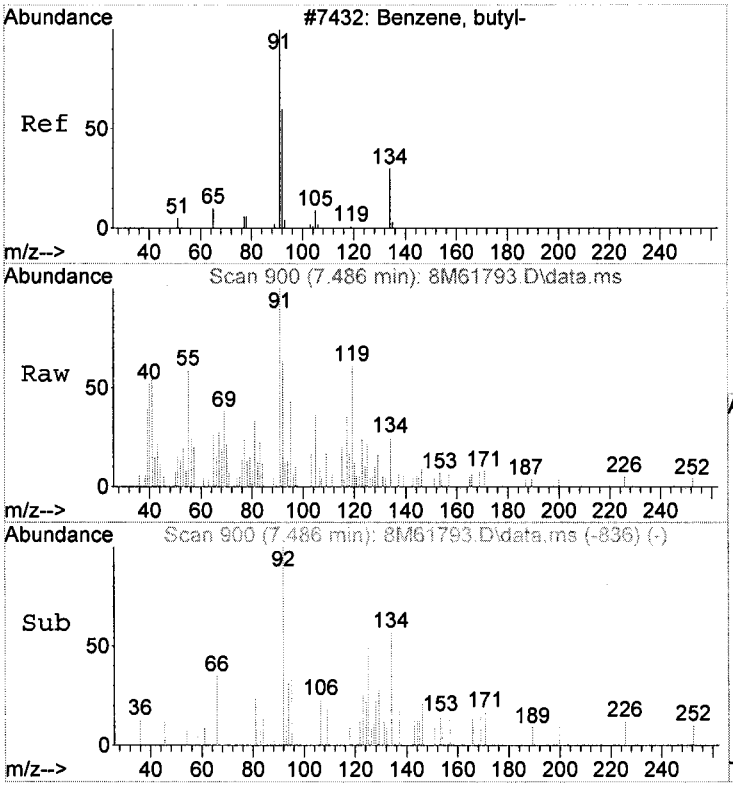


#88
4-Isopropyltoluene
Concen: 2.28 ug/l
RT: 7.258 min Scan# 862
Delta R.T. -0.018 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion:119 Resp: 11550

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	66.7
91	25.5	0.0	66.3

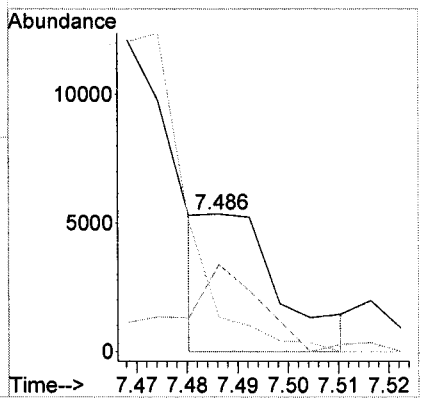




#89
n-Butylbenzene
Concen: 0.88 ug/l m
RT: 7.486 min Scan# 900
Delta R.T. -0.013 min
Lab File: 8M61793.D
Acq: 30 Dec 2010 9:29

Tgt Ion: 91 Resp: 5488

Ion	Ratio	Lower	Upper
91	100		
92	187.3	8.4	88.4#
134	184.1	3.6	83.6#



GC/MS Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_8

0074

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M59449.	CAL @ 20 PPB	11/09/10 11:31	2	8M59444.	CAL @ 5 PPB	11/09/10 10:09
3	8M59450.	CAL @ 10 PPB	11/09/10 11:48	4	8M59448.	CAL @ 50 PPB	11/09/10 11:15
5	8M59447.	CAL @ 100 PPB	11/09/10 10:59	6	8M59446.	CAL @ 250 PPB	11/09/10 10:42
7	8M59445.	CAL @ 500 PPB	11/09/10 10:26	8	8M59442.	CAL @ 1 PPB	11/09/10 09:33
9	8M59443.	CAL @ 0.5 PPB	11/09/10 09:52				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7599	0.7818	0.8272	0.7443	0.9219	0.7770	0.7420	0.9100	-----	0.808	1.33	0.998	0.999	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.2977	0.2429	0.3098	0.2704	0.3544	0.3027	0.2985	0.2923	-----	0.296	1.32	0.998	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.3516	0.3851	0.3547	0.3286	0.4292	0.3701	0.3753	0.4809	-----	0.384	1.45	0.999	0.999	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1511	0.1616	0.1394	0.1431	0.1945	0.1721	-----	0.1367	-----	0.157	1.78	0.995	0.996	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.3388	0.3642	0.3969	0.3310	0.4319	0.3399	0.3200	0.4036	-----	0.366	1.54	0.995	0.998	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.2338	0.2321	0.2297	0.1923	0.2482	0.1996	0.1872	0.2547	-----	0.222	1.86	0.996	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.5131	0.4918	0.5622	0.4868	0.6223	0.5204	0.4965	0.6235	-----	0.540	2.05	0.997	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.2693	0.2267	0.2474	0.2136	0.3047	0.2259	0.2092	0.2411	-----	0.242	2.42	0.992	0.996	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Lin	0.4172	0.4427	0.4808	0.4058	0.5109	0.4233	0.3787	0.6138	-----	0.459	2.78	0.994	0.999	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	LinF	0.0577	0.0598	0.0540	0.0503	0.0758	0.0579	0.0546	0.0830	-----	0.0617	2.35	0.994	0.996	19		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1660	0.1740	0.1987	0.1681	0.2158	0.1668	0.1624	0.2097	-----	0.183	2.96	0.996	0.997	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.5005	0.3848	0.4908	0.4935	0.7125	0.4773	0.4290	0.4030	-----	0.486	2.55	0.983	0.992	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Lin	0.1597	0.1629	0.1642	0.1302	0.1892	0.1373	0.1271	0.2398	-----	0.164	2.46	0.991	0.995	23		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	1.0581	0.9753	1.1265	0.9960	1.3650	1.0605	0.8980	1.0343	-----	1.06	2.61	0.986	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0375	0.0372	0.0323	0.0325	0.0432	0.0364	0.0353	0.0612	-----	0.0395	2.85	0.998	0.999	24		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.2977	0.2448	0.3431	0.2999	0.3765	0.3085	0.2873	0.2994	-----	0.307	3.21	0.996	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.9812	1.7882	2.0435	1.8223	2.4193	1.8147	1.6233	2.2666	-----	1.97	3.37	0.990	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.6951	0.6261	0.7001	0.5834	0.8455	0.6276	0.5696	0.6629	-----	0.664	2.43	0.990	0.996	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	LinF	0.5367	0.5520	0.5561	0.4633	0.5988	0.4929	0.4556	0.9320	-----	0.573	2.71	0.996	0.999	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.9844	0.9556	1.0458	0.9437	1.2047	0.9557	0.8329	1.1155	0.9143	0.995	2.99	0.990	0.998	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.8475	0.7299	0.8705	0.7848	1.0133	0.8245	0.7842	0.9464	-----	0.850	3.32	0.996	0.998	11	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3667	0.3018	0.4155	0.3611	0.4398	0.3593	-----	0.4770	-----	0.389	3.00	0.992	0.997	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.7175	0.7328	0.7879	0.6744	0.8703	0.6907	0.6672	0.9087	-----	0.756	3.78	0.996	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.4309	0.4183	0.4892	0.4063	0.5208	0.4132	0.3772	0.4197	-----	0.434	3.95	0.994	0.998	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.4540	0.4319	0.4678	0.4333	0.5828	0.4807	0.4323	0.4907	-----	0.472	3.79	0.994	0.998	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0042	0.0031	0.0040	0.0035	0.0044	0.0033	-----	0.0031	-----	0.00371	4.89	0.984	0.996	14		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	Avg	0.5171	0.4643	0.5445	0.4915	0.6283	0.4764	0.4072	0.4492	-----	0.497	4.23	0.986	0.997	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.6599	0.6188	0.7336	0.6271	0.8206	0.6606	0.6079	0.5876	-----	0.665	4.00	0.995	0.998	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2780	0.2839	0.3036	0.2707	0.2777	0.2794	0.2799	0.2902	0.2996	0.285	4.11	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.5201	0.4387	0.5288	0.4947	0.6319	0.5181	0.4700	0.5247	-----	0.516	4.17	0.994	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.0700	0.0677	0.0601	0.0639	0.0600	0.0584	0.0694	0.0702	0.0663	0.0652	4.32	-1	-1	7.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.6296	0.6460	0.7061	0.5925	0.7316	0.5728	0.4817	0.6743	0.7403	0.642	4.36	0.986	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.2847	0.2754	0.2571	0.2352	0.3172	0.2418	0.2053	0.2845	-----	0.263	3.79	0.986	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.5095	0.4609	0.5368	0.4925	0.6395	0.5174	0.4781	0.4800	-----	0.514	4.13	0.995	0.998	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.4362	0.4051	0.4765	0.4062	0.5239	0.4181	0.3632	0.4768	-----	0.438	4.24	0.990	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	2.1460	1.7872	2.1887	1.9821	2.6155	2.1392	1.8454	2.1439	-----	2.11	3.36	0.990	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.5092	0.4470	0.5443	0.4965	0.6403	0.5118	0.4718	0.5130	0.6470	0.531	4.97	0.995	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Methylcyclohexane	1	0	Avg	0.2917	0.2453	0.3027	0.2734	0.3400	0.2599	0.2277	0.2353	-----	0.272	4.82	0.989	0.998	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.3312	0.3220	0.3579	0.2929	0.3634	0.2647	0.2245	0.3329	-----	0.311	4.89	0.983	0.996	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.4001	0.3618	0.4583	0.3855	0.4999	0.3913	0.3319	0.4322	-----	0.408	4.83	0.987	0.998	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3764	0.3312	0.4034	0.3381	0.4191	0.3343	0.2899	0.3703	-----	0.358	4.71	0.990	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.9

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_8

0075

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M59449.	CAL @ 20 PPB	11/09/10 11:31	2	8M59444.	CAL @ 5 PPB	11/09/10 10:09
3	8M59450.	CAL @ 10 PPB	11/09/10 11:48	4	8M59448.	CAL @ 50 PPB	11/09/10 11:15
5	8M59447.	CAL @ 100 PPB	11/09/10 10:59	6	8M59446.	CAL @ 250 PPB	11/09/10 10:42
7	8M59445.	CAL @ 500 PPB	11/09/10 10:26	8	8M59442.	CAL @ 1 PPB	11/09/10 09:33
9	8M59443.	CAL @ 0.5 PPB	11/09/10 09:52				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	Avg	1.4762	1.3916	1.5538	1.3283	1.6832	1.2725	1.0351	1.4197	1.5472	1.41	4.36	0.980	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.9416	0.9066	0.9573	0.8700	1.1233	0.9085	0.7836	0.9942	-----	0.936	4.41	0.990	0.998	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4914	0.4263	0.5058	0.4653	0.5889	0.4992	0.4550	0.4614	0.5845	0.498	5.78	0.996	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Chloroethylvinylether	1	0	Avg	0.3530	0.2798	0.3429	0.3216	0.4326	0.3575	0.3294	0.3045	-----	0.340	5.11	0.995	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.7608	0.6641	0.6851	0.7176	0.9444	0.8175	0.7336	0.5016	0.7762	0.733	5.19	0.995	0.999	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
trans-1.3-Dichloroprope	1	0	LinF	0.6407	0.5499	0.6322	0.6533	0.8339	0.7390	0.6820	0.4414	0.3298	0.611	5.47	0.997	0.999	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1.2-Trichloroethane	1	0	Avg	0.3959	0.3610	0.4065	0.3791	0.4544	0.3850	0.3397	0.3807	-----	0.388	5.57	0.993	0.999	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4145	0.3484	0.4489	0.3950	0.4925	0.4230	0.3862	0.4580	-----	0.421	5.84	0.996	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7622	0.6362	0.7881	0.6696	0.8550	0.6659	0.5578	0.8592	-----	0.724	5.66	0.985	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.7481	0.6771	0.6987	0.6838	0.8752	0.7521	0.6710	0.8085	-----	0.739	5.26	0.994	0.999	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.5125	0.4443	0.4984	0.4782	0.6227	0.5201	0.4853	0.6066	-----	0.521	5.68	0.996	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.4137	0.3772	0.4154	0.3693	0.4328	0.3303	-----	0.4454	-----	0.398	5.66	0.986	0.997	10		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Toluene-d8	1	0	Avg	0.8547	0.8298	0.8585	0.8393	0.8362	0.8442	0.9063	0.8074	0.8370	0.846	5.34	-1	-1	3.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0566	0.9286	1.0767	0.9789	1.2124	0.9898	0.8347	1.0173	-----	1.01	5.37	0.988	0.999	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.4095	0.3590	0.4298	0.3746	0.4517	0.3663	-----	0.2772	0.4485	0.390	6.13	0.992	0.997	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
Chlorobenzene	1	0	Avg	1.1314	0.9404	1.1220	0.9943	1.2420	1.0253	0.8647	1.1809	-----	1.06	6.10	0.988	0.999	12	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.6747	0.5930	0.6744	0.6454	0.8460	0.7444	0.6666	0.6690	-----	0.689	6.52	0.995	0.999	11	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.9307	0.8099	0.8177	0.8152	1.0326	0.8237	-----	0.6853	-----	0.845	6.14	0.990	0.996	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.9093	0.8736	0.8721	0.8303	1.0580	0.9160	0.7921	1.0786	-----	0.916	6.74	0.992	0.999	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.9930	0.9436	0.9228	0.9270	0.9786	1.0025	1.0493	0.9556	0.9673	0.971	6.69	-1	-1	4.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.9391	1.7890	1.8686	1.7619	2.2266	1.6849	1.2881	1.7059	-----	1.78	6.41	0.969	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.0962	0.9483	1.0639	0.9447	1.2130	0.9430	-----	0.9391	1.3455	1.06	6.20	0.988	0.996	14		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.1079	0.9978	1.0413	0.9487	1.2363	0.9404	-----	0.8177	-----	1.01	6.41	0.984	0.995	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.4232	0.3779	0.4187	0.3950	0.5072	0.4211	-----	0.6721	-----	0.459	6.77	0.993	0.996	22		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.3-Dichlorobenzene	1	0	Avg	1.4624	1.2577	1.4679	1.2387	1.5637	1.1950	-----	1.6103	-----	1.40	7.28	0.985	0.996	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.4-Dichlorobenzene	1	0	Avg	1.5188	1.3935	1.4177	1.2956	1.6946	1.3591	1.1270	1.5207	-----	1.42	7.33	0.985	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.3911	1.2687	1.4791	1.2670	1.6100	1.3161	1.0909	1.6942	-----	1.39	7.54	0.986	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.4817	2.1434	2.3695	2.2855	2.9223	2.4449	2.0334	2.0213	-----	2.34	6.60	0.987	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0372	0.0297	0.0400	0.0352	0.0456	0.0403	0.0359	0.0434	-----	0.0385	6.66	0.995	0.999	13		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.6656	0.5049	0.6901	0.6694	0.8333	0.7006	0.5775	0.6760	-----	0.665	6.75	0.986	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	LinF	1.1276	0.9128	1.1273	1.0095	1.3177	1.0651	-----	1.5052	-----	1.15	6.77	0.990	0.996	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
2-Chlorotoluene	1	0	Avg	2.6326	2.1442	2.3809	2.1281	2.5967	1.9549	-----	2.5330	-----	2.34	6.87	0.984	0.996	11		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Avg	2.5604	2.0393	2.4741	2.2810	2.8895	2.2311	-----	2.7425	-----	2.46	6.87	0.986	0.996	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Chlorotoluene	1	0	Avg	2.4172	2.0714	2.2644	2.1232	2.8824	2.1672	-----	2.0374	-----	2.28	6.93	0.983	0.994	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	2.9752	2.4405	2.8403	2.6862	3.5154	2.8796	2.3719	2.6820	-----	2.80	6.81	0.985	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.2195	2.0237	2.2547	2.0626	2.5718	2.0574	1.6453	2.1854	-----	2.13	6.78	0.980	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	1.9914	1.6036	1.9459	1.7654	2.2219	1.8406	1.5109	1.8974	-----	1.85	6.90	0.985	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.6847	1.4460	1.6443	1.5759	2.0379	1.6522	1.3792	1.4452	-----	1.61	7.08	0.986	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	2.1138	1.9940	2.0590	1.9150	2.4737	2.0343	1.6629	2.0078	-----	2.03	7.11	0.984	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.0135	1.6285	1.9227	1.8700	2.4246	2.0146	1.6847	2.0470	-----	1.95	7.20	0.987	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.6147	1.2730	1.4940	1.4919	1.8880	1.4754	-----	1.2645	-----	1.50	7.28	0.987	0.996	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.9

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_8

0076

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M59449.	CAL @ 20 PPB	11/09/10 11:31	2	8M59444.	CAL @ 5 PPB	11/09/10 10:09
3	8M59450.	CAL @ 10 PPB	11/09/10 11:48	4	8M59448.	CAL @ 50 PPB	11/09/10 11:15
5	8M59447.	CAL @ 100 PPB	11/09/10 10:59	6	8M59446.	CAL @ 250 PPB	11/09/10 10:42
7	8M59445.	CAL @ 500 PPB	11/09/10 10:26	8	8M59442.	CAL @ 1 PPB	11/09/10 09:33
9	8M59443.	CAL @ 0.5 PPB	11/09/10 09:52				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Butylbenzene	1	0	Avg	1.9734	1.5330	1.8129	1.7402	2.2539	1.8660	1.5645	1.7708	-----	1.81	7.50	0.987	0.999	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Qua	0.9494	0.7093	0.9386	0.8919	1.1696	0.9708	0.7969	0.6905	-----	0.890	7.49	0.985	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	Avg	1.5053	1.2507	1.4259	1.4421	1.9375	1.6193	1.3457	1.4984	-----	1.50	7.93	0.986	0.999	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloropo	1	0	LinF	0.1825	0.1675	0.1867	0.1773	0.2337	0.2001	0.1887	0.1152	-----	0.182	7.97	0.997	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0792	0.0557	0.0754	0.0714	0.0927	0.0788	0.0676	0.0526	0.0816	0.0728	8.40	0.991	0.999	17	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Qua	0.6146	0.3680	0.6042	0.5309	0.6373	0.5116	0.3998	0.3559	-----	0.503	8.55	0.977	0.999	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	0.8970	0.6585	0.8273	0.7525	1.0036	0.8471	0.7109	0.8616	-----	0.820	8.46	0.988	0.999	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	0.7892	0.5886	0.8273	0.7443	0.9484	0.8051	0.6846	0.7726	-----	0.770	8.74	0.990	0.999	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.8665	1.3649	1.7328	1.7704	2.2779	1.9325	1.6629	1.7134	-----	1.79	8.61	0.991	0.999	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 8M59449.D
Acq On : 11/ 9/10 11:31

Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML

Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:04
Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	267497	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	205383	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	119897	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	74383	21.28	ug/l	0.01
Spiked Amount 30.000			Recovery =	70.93%		
35) 1,2-Dichloroethane-d4	4.316	102	18738	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.10%		
59) Toluene-d8	5.339	100	175551	33.14	ug/l	0.00
Spiked Amount 30.000			Recovery =	110.47%		
67) Bromofluorobenzene	6.687	174	119060	30.14	ug/l	0.00
Spiked Amount 30.000			Recovery =	100.47%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.329	51	135515	16.12	ug/l	58
6) Dichlorodifluoromethane	1.319	85	53090	15.20	ug/l	90
7) Chloromethane	1.451	50	62714	19.01	ug/l	83
8) Bromomethane	1.781	94	26962	10.40	ug/l	89
9) Vinyl Chloride	1.536	62	60431	16.13	ug/l	95
10) Chloroethane	1.857	64	41707	15.74	ug/l	91
11) Trichlorofluoromethane	2.045	101	91504	13.94	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	48034	14.96	ug/l	96
13) Methylene Chloride	2.784	84	74411	16.71	ug/l	90
14) Acrolein	2.351	56	51453	100.53	ug/l	97
15) Acrylonitrile	2.962	53	29616	23.49	ug/l	85
16) Iodomethane	2.548	142	89271	13.88	ug/l	99
17) Acetone	2.459	43	142399	87.61	ug/l	97
18) Carbon Disulfide	2.607	76	188702	18.22	ug/l	100
19) t-Butyl Alcohol	2.853	59	33475	144.67	ug/l	97
20) n-Hexane	3.208	57	53089	23.81	ug/l	76
21) Di-isopropyl-ether	3.366	45	353310	27.92	ug/l	79
22) 1,1-Dichloroethene	2.430	61	123970	16.10	ug/l	96
23) Methyl Acetate	2.706	43	95722	26.08	ug/l	100
24) Methyl-t-butyl ether	2.991	73	175566	21.61	ug/l	74
25) 1,1-Dichloroethane	3.317	63	151139	18.33	ug/l	99
26) trans-1,2-Dichloroethene	3.001	96	65408	15.60	ug/l	82
27) cis-1,2-Dichloroethene	3.780	61	127968	17.22	ug/l	89
28) Bromochloromethane	3.949	49	76846	21.47	ug/l	80
29) 2,2-Dichloropropane	3.786	77	80968	13.16	ug/l	89
30) 1,4-Dioxane	4.894	88	37424	1114.59	ug/l	73
31) 1,1-Dichloropropene	4.232	75	92215	17.18	ug/l	96
32) Chloroform	3.997	83	117687	13.26	ug/l	98
34) Cyclohexane	4.171	56	92758	24.88	ug/l	80
36) 1,2-Dichloroethane	4.358	62	112282	13.56	ug/l	100
37) 2-Butanone	3.786	43	50782	27.41	ug/l	80
38) 1,1,1-Trichloroethane	4.129	97	90875	12.30	ug/l	99
39) Carbon Tetrachloride	4.238	117	77800	12.33	ug/l	88
40) Vinyl Acetate	3.356	43	382715	23.96	ug/l	100
41) Bromodichloromethane	4.966	83	90811	13.38	ug/l	96
42) Methylcyclohexane	4.815	83	52033	20.61	ug/l	92
43) Dibromomethane	4.888	174	59071	16.48	ug/l	93
44) 1,2-Dichloropropane	4.827	63	71356	21.68	ug/l	98
45) Trichloroethene	4.707	130	67137	16.43	ug/l	97
46) Benzene	4.358	78	263267	19.84	ug/l	100
47) tert-Amyl methyl ether	4.412	73	167917	28.82	ug/l	61
49) Dibromochloromethane	5.778	129	67287	17.31	ug/l	91
50) 2-Chloroethylvinylether	5.110	63	48340	29.03	ug/l	89
51) cis-1,3-Dichloropropene	5.194	75	104176	22.82	ug/l	87
52) trans-1,3-Dichloropropene	5.471	75	87735	18.32	ug/l	100
53) 1,1,2-Trichloroethane	5.567	97	54210	20.93	ug/l	92
54) 1,2-Dibromoethane	5.844	107	56767	18.35	ug/l	91
55) 1,3-Dichloropropane	5.658	76	104371	22.06	ug/l	99
56) 4-Methyl-2-Pentanone	5.261	43	102438	33.52	ug/l	86
57) 2-Hexanone	5.682	43	70183	33.69	ug/l	84
58) Tetrachloroethene	5.658	164	56657	20.82	ug/l	96
60) Toluene	5.369	92	144674	20.87	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.127	133	56081	17.74	ug/l	98
62) Chlorobenzene	6.097	112	154921	21.10	ug/l	94
64) Bromoform	6.524	173	53931	17.79	ug/l	98
65) Ethylbenzene	6.139	106	74392	23.82	ug/l	88
66) 1,1,2,2-Tetrachloroethane	6.741	83	72683	23.51	ug/l	79
68) Styrene	6.410	104	154995	22.71	ug/l	88
69) m&p-Xylenes	6.199	106	175244	45.87	ug/l	91

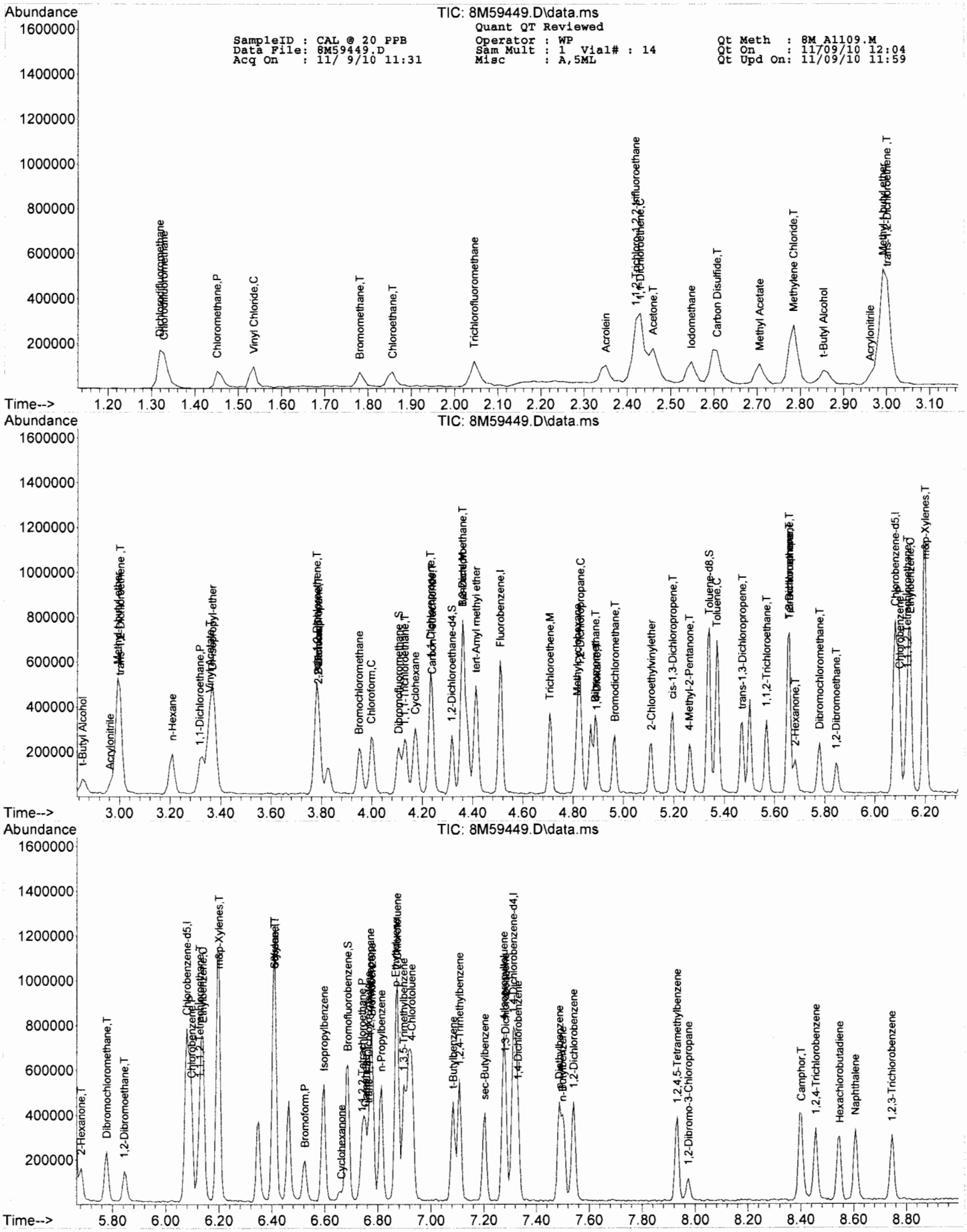
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59449.D Sam Mult : 1 Vial# : 14 Qt On : 11/09/10 12:04
Acq On : 11/ 9/10 11:31 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.410	106	88559	23.23	ug/l	89
71)	trans-1,4-Dichloro-2-b...	6.765	53	33827	18.83	ug/l	8
72)	1,3-Dichlorobenzene	7.283	146	116892	22.16	ug/l	98
73)	1,4-Dichlorobenzene	7.331	146	121404	20.42	ug/l	91
74)	1,2-Dichlorobenzene	7.541	146	111199	20.91	ug/l	94
75)	Isopropylbenzene	6.596	105	198370	21.46	ug/l	96
76)	Cyclohexanone	6.663	55	14904	154.90	ug/l	96
77)	Camphene	6.753	93	53207	20.82	ug/l	88
78)	1,2,3-Trichloropropane	6.771	75	90133	22.32	ug/l	90
79)	2-Chlorotoluene	6.873	91	210432	22.07	ug/l	91
80)	p-Ethyltoluene	6.867	105	204660	22.95	ug/l	91
81)	4-Chlorotoluene	6.927	91	193216	22.02	ug/l	95
82)	n-Propylbenzene	6.813	91	237815	21.65	ug/l	96
83)	Bromobenzene	6.777	77	177412	22.13	ug/l	84
84)	1,3,5-Trimethylbenzene	6.897	105	159178	20.36	ug/l	95
85)	t-Butylbenzene	7.084	119	134662	20.43	ug/l	91
86)	1,2,4-Trimethylbenzene	7.108	105	168960	20.74	ug/l	91
87)	sec-Butylbenzene	7.204	105	160946	20.92	ug/l	98
88)	4-Isopropyltoluene	7.277	119	129065	21.49	ug/l	92
89)	n-Butylbenzene	7.499	91	157743	21.65	ug/l	95
90)	p-Diethylbenzene	7.487	119	75889	21.21	ug/l	98
91)	1,2,4,5-Tetramethylben...	7.932	119	120328	21.76	ug/l	88
92)	1,2-Dibromo-3-Chloropr...	7.975	157	14589	21.16	ug/l	77
93)	Camphor	8.402	95	63348	291.99	ug/l	88
94)	Hexachlorobutadiene	8.546	225	49133	19.14	ug/l	99
95)	1,2,4-Trichlorobenzene	8.456	180	71705	23.17	ug/l	99
96)	1,2,3-Trichlorobenzene	8.745	180	63085	20.96	ug/l	95
97)	Naphthalene	8.606	128	149193	23.32	ug/l	100

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


Abundance
TIC: 8M59449.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 8M59449.D
Acq On : 11/ 9/10 11:31
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:04
Qt Upd On: 11/09/10 11:59
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 8M59449.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromodichloromethane,T
Time-->

Abundance
TIC: 8M59449.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59444.D Sam Mult : 1 Vial# : 9 Qt On : 11/09/10 12:07
Acq On : 11/ 9/10 10:09 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	256621	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	200534	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	118130	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	72869	21.73	ug/l	0.01
Spiked Amount 30.000			Recovery =	72.43%		
35) 1,2-Dichloroethane-d4	4.316	102	17397	28.48	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.93%		
59) Toluene-d8	5.339	100	166413	32.18	ug/l	0.00
Spiked Amount 30.000			Recovery =	107.27%		
67) Bromofluorobenzene	6.687	174	111474	28.64	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.47%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.325	51	33439	4.15	ug/l	48
6) Dichlorodifluoromethane	1.315	85	10392	3.10	ug/l	88
7) Chloromethane	1.447	50	16474	5.20	ug/l	80
8) Bromomethane	1.777	94	6913	2.78	ug/l	92
9) Vinyl Chloride	1.532	62	15579	4.33	ug/l	96
10) Chloroethane	1.853	64	9931	3.91	ug/l	96
11) Trichlorofluoromethane	2.041	101	21038	3.34	ug/l	77
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	9700	3.15	ug/l	88
13) Methylene Chloride	2.784	84	18936	4.43	ug/l	92
14) Acrolein	2.341	56	12801	26.07	ug/l	91
15) Acrylonitrile	2.962	53	7446	6.16	ug/l	81
16) Iodomethane	2.548	142	16462	2.67	ug/l	76
17) Acetone	2.459	43	34854	22.35	ug/l	92
18) Carbon Disulfide	2.597	76	41716	4.20	ug/l	100
19) t-Butyl Alcohol	2.853	59	7965	35.88	ug/l	94
20) n-Hexane	3.208	57	10473	4.90	ug/l	72
21) Di-isopropyl-ether	3.366	45	76483	6.30	ug/l	83
22) 1,1-Dichloroethene	2.430	61	26779	3.63	ug/l	88
23) Methyl Acetate	2.706	43	23609	6.70	ug/l	100
24) Methyl-t-butyl ether	2.991	73	40872	5.24	ug/l	79
25) 1,1-Dichloroethane	3.317	63	31218	3.95	ug/l	94
26) trans-1,2-Dichloroethene	2.991	96	12912m	3.21	ug/l	
27) cis-1,2-Dichloroethene	3.780	61	31345	4.40	ug/l	86
28) Bromochloromethane	3.949	49	17891	5.21	ug/l	70
29) 2,2-Dichloropropane	3.786	77	18476	3.13	ug/l	96
30) 1,4-Dioxane	4.888	88	6773	210.27	ug/l	48
31) 1,1-Dichloropropene	4.232	75	19860	3.86	ug/l	94
32) Chloroform	3.997	83	26466	3.11	ug/l	76
34) Cyclohexane	4.172	56	18764	5.25	ug/l	87
36) 1,2-Dichloroethane	4.358	62	27632	3.48	ug/l	90
37) 2-Butanone	3.786	43	11781	6.63	ug/l	83
38) 1,1,1-Trichloroethane	4.129	97	19716	2.78	ug/l	82
39) Carbon Tetrachloride	4.238	117	17328	2.86	ug/l	90
40) Vinyl Acetate	3.356	43	76439	4.99	ug/l	100
41) Bromodichloromethane	4.966	83	19120	2.94	ug/l	97
42) Methylcyclohexane	4.815	83	10494	4.33	ug/l	93
43) Dibromomethane	4.894	174	13776	4.01	ug/l	83
44) 1,2-Dichloropropane	4.827	63	15477	4.90	ug/l	91
45) Trichloroethene	4.707	130	14166	3.61	ug/l	97
46) Benzene	4.358	78	59522	4.67	ug/l	100
47) tert-Amyl methyl ether	4.412	73	38776	6.94	ug/l	55
49) Dibromochloromethane	5.778	129	14250	3.75	ug/l	94
50) 2-Chloroethylvinylether	5.104	63	9354	5.75	ug/l	74
51) cis-1,3-Dichloropropene	5.194	75	22196	4.98	ug/l	95
52) trans-1,3-Dichloropropene	5.465	75	18382	3.93	ug/l	91
53) 1,1,2-Trichloroethane	5.568	97	12067	4.77	ug/l	91
54) 1,2-Dibromoethane	5.844	107	11647	3.86	ug/l	83
55) 1,3-Dichloropropane	5.658	76	21265	4.60	ug/l	91
56) 4-Methyl-2-Pentanone	5.261	43	22633	7.59	ug/l	87
57) 2-Hexanone	5.682	43	14852	7.30	ug/l	75
58) Tetrachloroethene	5.652	164	12609	4.75	ug/l	91
60) Toluene	5.369	92	31036	4.58	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.127	133	12001	3.89	ug/l	97
62) Chlorobenzene	6.091	112	31431	4.39	ug/l	96
64) Bromoform	6.518	173	11676	3.91	ug/l	79
65) Ethylbenzene	6.139	106	15947	5.18	ug/l	80
66) 1,1,2,2-Tetrachloroethane	6.741	83	17201	5.65	ug/l	99
68) Styrene	6.410	104	35223	5.24	ug/l	98
69) m&p-Xylenes	6.199	106	37341	9.92	ug/l	99

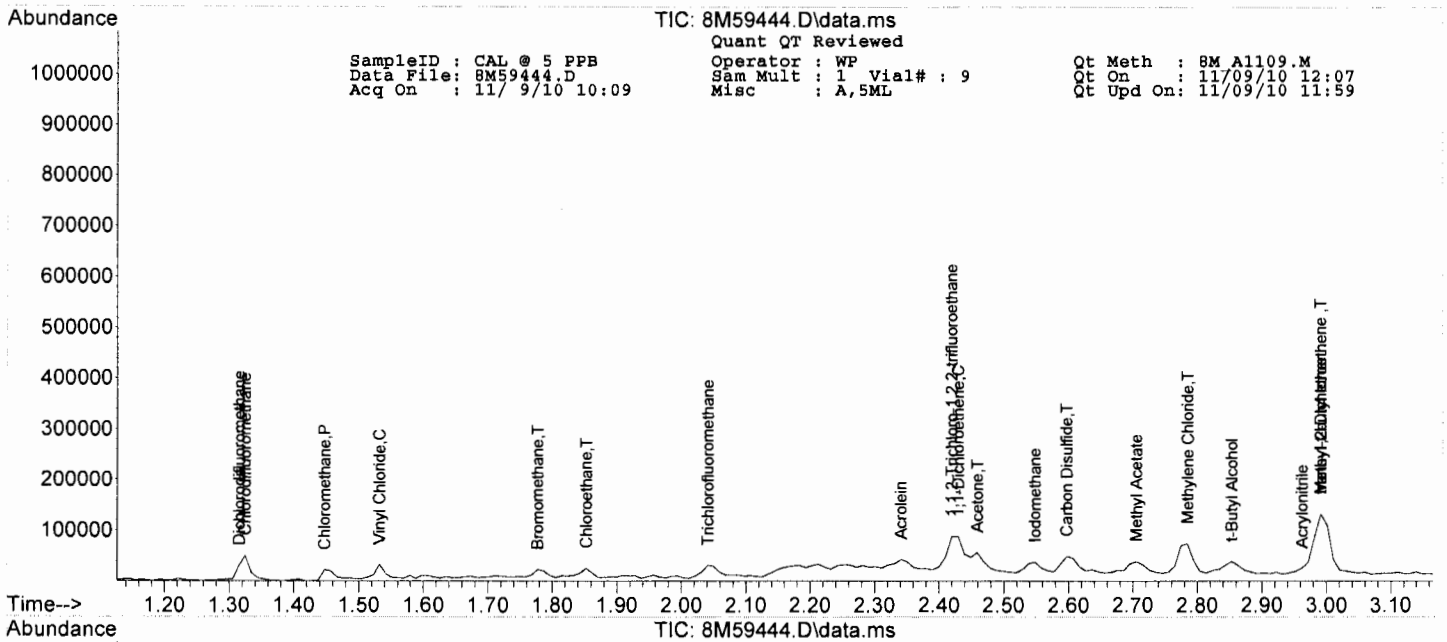
Quantitation Report (QT Reviewed)

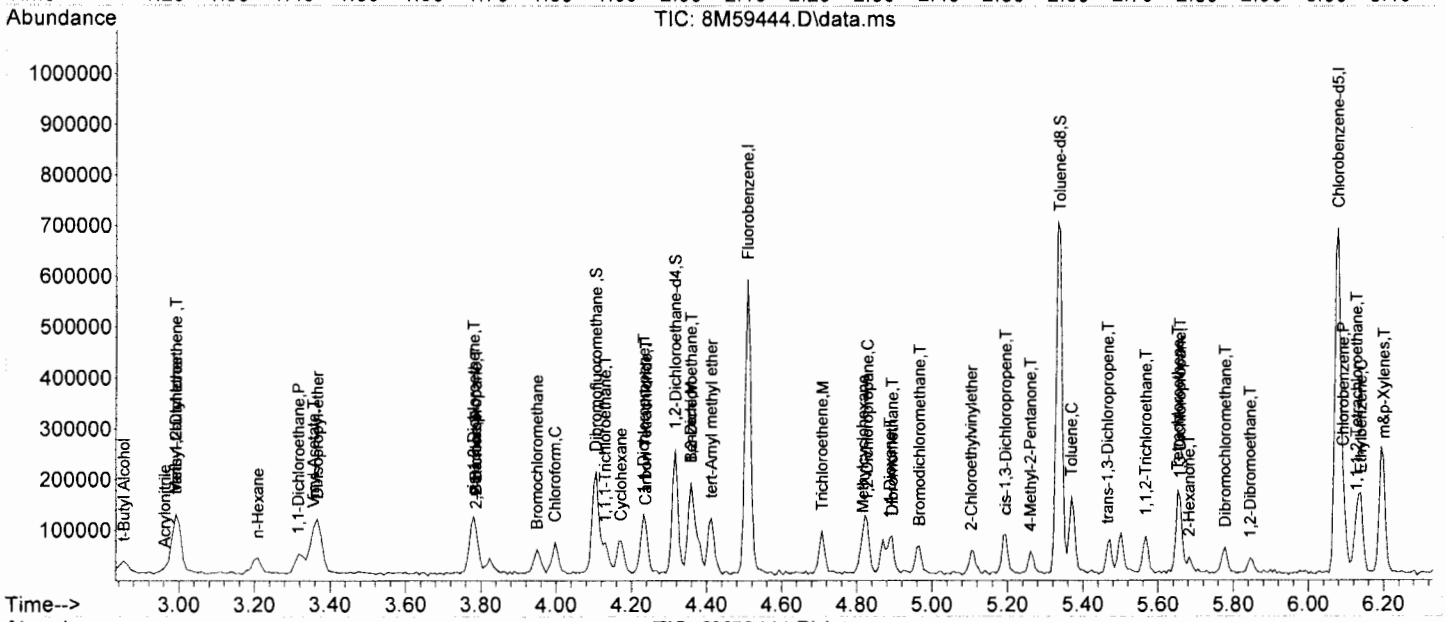
SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59444.D Sam Mult : 1 Vial# : 9 Qt On : 11/09/10 12:07
Acq On : 11/ 9/10 10:09 Misc : A,5ML Qt Upd On: 11/09/10 11:59

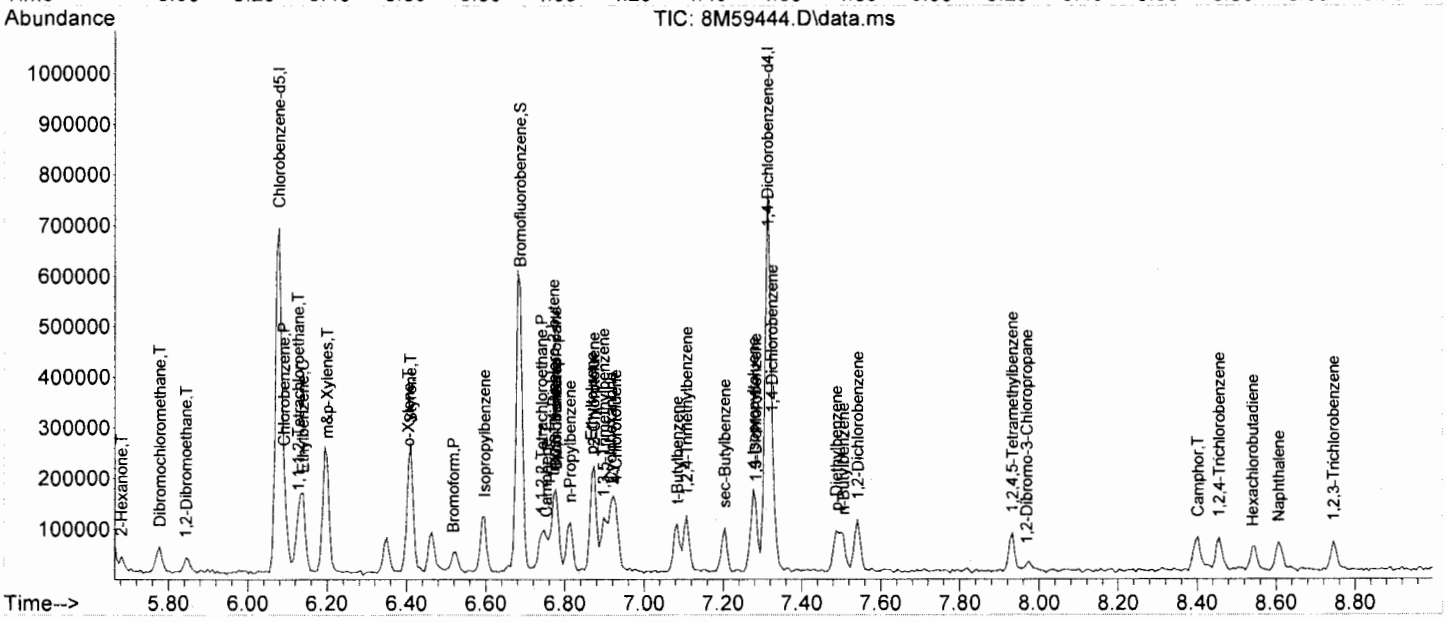
Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.404	106	19645	5.23 ug/l	100
71) trans-1,4-Dichloro-2-b...	6.771	53	7442	4.20 ug/l	1
72) 1,3-Dichlorobenzene	7.283	146	24762	4.76 ug/l	90
73) 1,4-Dichlorobenzene	7.325	146	27437m	4.68 ug/l	
74) 1,2-Dichlorobenzene	7.541	146	24979	4.77 ug/l	97
75) Isopropylbenzene	6.597	105	42201	4.63 ug/l	96
76) Cyclohexanone	6.916	55	2930	30.91 ug/l	78
77) Camphene	6.753	93	9941	3.95 ug/l	85
78) 1,2,3-Trichloropropane	6.777	75	17973	4.52 ug/l	97
79) 2-Chlorotoluene	6.873	91	42216	4.49 ug/l	95
80) p-Ethyltoluene	6.867	105	40151	4.57 ug/l	98
81) 4-Chlorotoluene	6.928	91	40784	4.72 ug/l	92
82) n-Propylbenzene	6.813	91	48050	4.44 ug/l	96
83) Bromobenzene	6.777	77	39844	5.05 ug/l	83
84) 1,3,5-Trimethylbenzene	6.897	105	31574	4.10 ug/l	99
85) t-Butylbenzene	7.084	119	28471	4.38 ug/l	89
86) 1,2,4-Trimethylbenzene	7.108	105	39259	4.89 ug/l	83
87) sec-Butylbenzene	7.204	105	32064	4.23 ug/l	88
88) 4-Isopropyltoluene	7.277	119	25065	4.24 ug/l	96
89) n-Butylbenzene	7.505	91	30184	4.20 ug/l	96
90) p-Diethylbenzene	7.487	119	13965	3.96 ug/l	90
91) 1,2,4,5-Tetramethylben...	7.932	119	24625	4.52 ug/l	87
92) 1,2-Dibromo-3-Chloropr...	7.969	157	3299	4.86 ug/l	94
93) Camphor	8.402	95	10980	51.37 ug/l	85
94) Hexachlorobutadiene	8.540	225	7247	2.87 ug/l	90
95) 1,2,4-Trichlorobenzene	8.456	180	12966	4.25 ug/l	95
96) 1,2,3-Trichlorobenzene	8.745	180	11589	3.91 ug/l	91
97) Naphthalene	8.606	128	26873	4.26 ug/l	100

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


Abundance
TIC: 8M59444.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 8M59444.D
Acq On : 11/ 9/10 10:09
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:07
Qt Upd On: 11/09/10 11:59
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
1,1,2-Trichloro-1,2,2-trifluoroethane
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 8M59444.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Time-->


Abundance
TIC: 8M59444.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59450.D Sam Mult : 1 Vial# : 15 Qt On : 11/09/10 12:06
Acq On : 11/ 9/10 11:48 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	261068	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	208483	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	127016	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	79275	23.24	ug/l	0.01
Spiked Amount 30.000			Recovery = 77.47%			
35) 1,2-Dichloroethane-d4	4.316	102	15699	25.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.23%			
59) Toluene-d8	5.339	100	178996	33.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.97%			
67) Bromofluorobenzene	6.687	174	117213	28.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.325	51	71986	8.77	ug/l	56
6) Dichlorodifluoromethane	1.315	85	26963	7.91	ug/l	83
7) Chloromethane	1.457	50	30872	9.59	ug/l	97
8) Bromomethane	1.787	94	12135	4.80	ug/l	76
9) Vinyl Chloride	1.532	62	34540	9.45	ug/l	89
10) Chloroethane	1.853	64	19993	7.73	ug/l	94
11) Trichlorofluoromethane	2.041	101	48932	7.64	ug/l	89
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	21532	6.87	ug/l	91
13) Methylene Chloride	2.785	84	41842	9.63	ug/l	94
14) Acrolein	2.351	56	23523	47.09	ug/l	88
15) Acrylonitrile	2.972	53	17292	14.05	ug/l	94
16) Iodomethane	2.548	142	42716	6.80	ug/l	98
17) Acetone	2.459	43	71476	45.06	ug/l	96
18) Carbon Disulfide	2.607	76	98035	9.70	ug/l	100
19) t-Butyl Alcohol	2.863	59	14081	62.36	ug/l	81
20) n-Hexane	3.208	57	29859	13.72	ug/l	88
21) Di-isopropyl-ether	3.366	45	177834	14.40	ug/l	80
22) 1,1-Dichloroethene	2.430	61	60928	8.11	ug/l	94
23) Methyl Acetate	2.706	43	48400	13.51	ug/l	100
24) Methyl-t-butyl ether	2.991	73	91012	11.48	ug/l	75
25) 1,1-Dichloroethane	3.326	63	75757	9.41	ug/l	98
26) trans-1,2-Dichloroethene	3.001	96	36166	8.84	ug/l	86
27) cis-1,2-Dichloroethene	3.780	61	68571	9.45	ug/l	85
28) Bromochloromethane	3.949	49	42577	12.19	ug/l	87
29) 2,2-Dichloropropane	3.786	77	40715	6.78	ug/l	87
30) 1,4-Dioxane	4.894	88	17574	536.29	ug/l	73
31) 1,1-Dichloropropene	4.232	75	47389	9.05	ug/l	93
32) Chloroform	3.997	83	63840	7.37	ug/l	95
34) Cyclohexane	4.171	56	46020	12.65	ug/l	88
36) 1,2-Dichloroethane	4.364	62	61453	7.60	ug/l	97
37) 2-Butanone	3.786	43	22377	12.38	ug/l	78
38) 1,1,1-Trichloroethane	4.129	97	46716	6.48	ug/l	100
39) Carbon Tetrachloride	4.238	117	41472	6.73	ug/l	97
40) Vinyl Acetate	3.356	43	190474	12.22	ug/l	100
41) Bromodichloromethane	4.966	83	47368	7.15	ug/l	93
42) Methylcyclohexane	4.815	83	26345	10.69	ug/l	94
43) Dibromomethane	4.894	174	31153	8.91	ug/l	91
44) 1,2-Dichloropropane	4.827	63	39888	12.42	ug/l	99
45) Trichloroethene	4.707	130	35111	8.80	ug/l	90
46) Benzene	4.358	78	135224	10.44	ug/l	100
47) tert-Amyl methyl ether	4.412	73	83309	14.65	ug/l	59
49) Dibromochloromethane	5.778	129	35155	8.91	ug/l	95
50) 2-Chloroethylvinylether	5.110	63	23833	14.10	ug/l	94
51) cis-1,3-Dichloropropene	5.194	75	47616	10.27	ug/l	97
52) trans-1,3-Dichloropropene	5.471	75	43934	9.04	ug/l	92
53) 1,1,2-Trichloroethane	5.568	97	28256	10.75	ug/l	88
54) 1,2-Dibromoethane	5.844	107	31196	9.93	ug/l	98
55) 1,3-Dichloropropane	5.658	76	54774	11.41	ug/l	93
56) 4-Methyl-2-Pentanone	5.261	43	48557	15.65	ug/l	97
57) 2-Hexanone	5.682	43	34637	16.38	ug/l	88
58) Tetrachloroethene	5.658	164	28871	10.45	ug/l	88
60) Toluene	5.369	92	74829	10.63	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.127	133	29870	9.31	ug/l	92
62) Chlorobenzene	6.091	112	77975	10.46	ug/l	99
64) Bromoform	6.524	173	28555	8.89	ug/l	87
65) Ethylbenzene	6.139	106	34624	10.47	ug/l	81
66) 1,1,2,2-Tetrachloroethane	6.741	83	36926	11.27	ug/l	91
68) Styrene	6.410	104	79118	10.94	ug/l	87
69) m&p-Xylenes	6.199	106	90090	22.26	ug/l	96

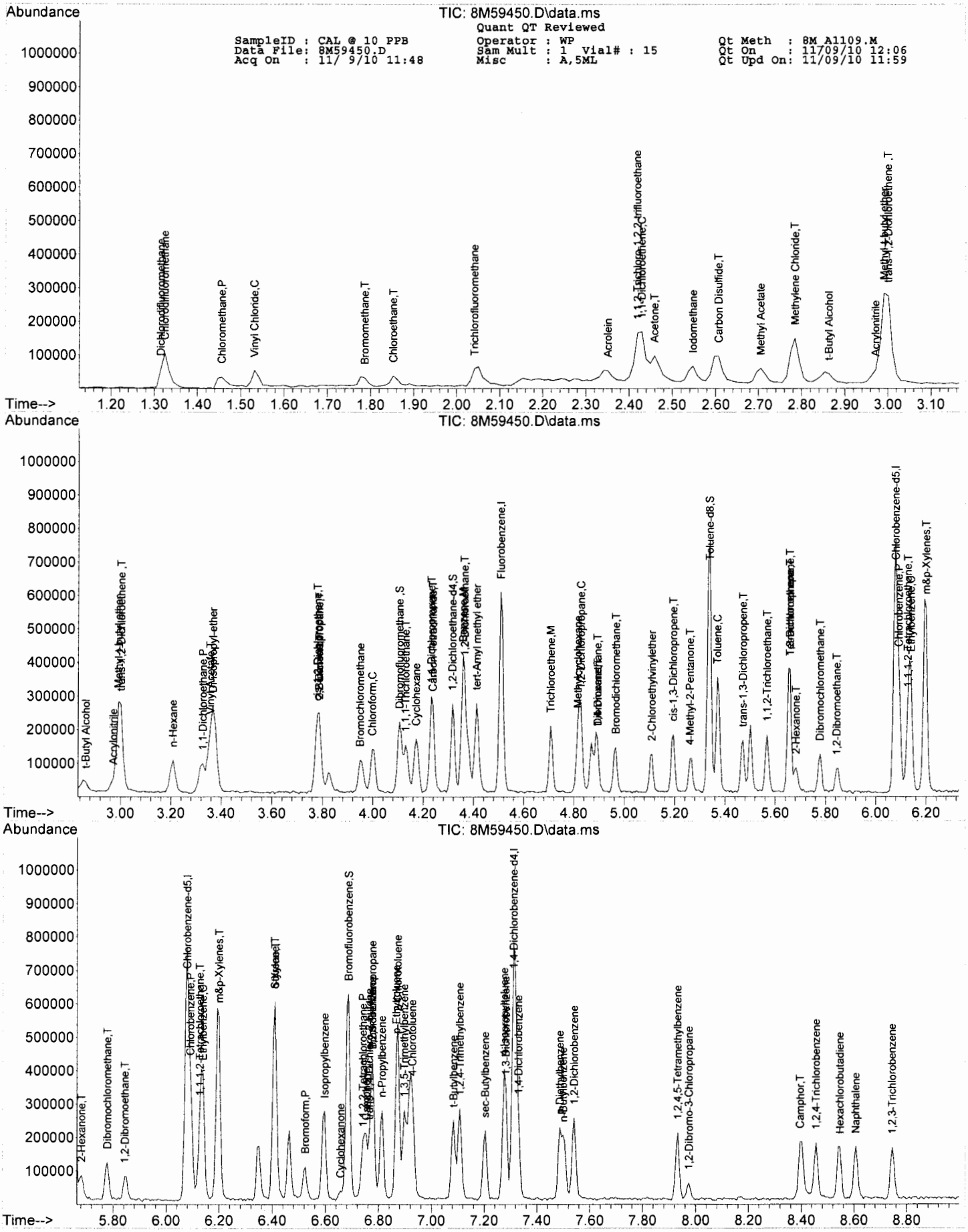
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59450.D Sam Mult : 1 Vial# : 15 Qt On : 11/09/10 12:06
Acq On : 11/ 9/10 11:48 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.410	106	44089	10.92 ug/l	75
71) trans-1,4-Dichloro-2-b...	6.765	53	17731	9.32 ug/l	9
72) 1,3-Dichlorobenzene	7.283	146	62151	11.12 ug/l	96
73) 1,4-Dichlorobenzene	7.331	146	60024	9.53 ug/l	82
74) 1,2-Dichlorobenzene	7.541	146	62625	11.11 ug/l	96
75) Isopropylbenzene	6.597	105	100323	10.25 ug/l	98
76) Cyclohexanone	6.657	55	8469	83.09 ug/l	95
77) Camphene	6.753	93	29219	10.79 ug/l	93
78) 1,2,3-Trichloropropane	6.777	75	47730	11.16 ug/l	88
79) 2-Chlorotoluene	6.873	91	100808	9.98 ug/l	93
80) p-Ethyltoluene	6.867	105	104753	11.09 ug/l	97
81) 4-Chlorotoluene	6.928	91	95872	10.31 ug/l	95
82) n-Propylbenzene	6.813	91	120257	10.34 ug/l	98
83) Bromobenzene	6.777	77	95465	11.24 ug/l	86
84) 1,3,5-Trimethylbenzene	6.897	105	82389	9.95 ug/l	97
85) t-Butylbenzene	7.084	119	69620	9.97 ug/l	91
86) 1,2,4-Trimethylbenzene	7.108	105	87179	10.10 ug/l	87
87) sec-Butylbenzene	7.204	105	81405	9.99 ug/l	96
88) 4-Isopropyltoluene	7.277	119	63257	9.94 ug/l	92
89) n-Butylbenzene	7.499	91	76758	9.94 ug/l	97
90) p-Diethylbenzene	7.487	119	39742	10.48 ug/l	98
91) 1,2,4,5-Tetramethylben...	7.932	119	60372	10.31 ug/l	89
92) 1,2-Dibromo-3-Chloropr...	7.975	157	7907	10.83 ug/l	94
93) Camphor	8.396	95	31941	138.98 ug/l	84
94) Hexachlorobutadiene	8.546	225	25582	9.41 ug/l	96
95) 1,2,4-Trichlorobenzene	8.456	180	35027	10.69 ug/l	92
96) 1,2,3-Trichlorobenzene	8.745	180	35027	10.98 ug/l	93
97) Naphthalene	8.606	128	73368	10.83 ug/l	100

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


Abundance
TIC: 8M59450.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 8M59450.D
Acq On : 11/ 9/10 11:48
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:06
Qt Upd On: 11/09/10 11:59
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1-Dichloroethene,C
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 8M59450.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Time-->

Abundance
TIC: 8M59450.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
n-Propylbenzene
Isopropylbenzene
Bromoform,P
Cyclohexanone
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59448.D Sam Mult : 1 Vial# : 13 Qt On : 11/09/10 12:03
Acq On : 11/ 9/10 11:15 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	274921	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	212253	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	125281	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	74437	20.72	ug/l	0.01
Spiked Amount 30.000			Recovery = 69.07%			
35) 1,2-Dichloroethane-d4	4.315	102	17586	26.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.60%			
59) Toluene-d8	5.338	100	178154	32.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.47%			
67) Bromofluorobenzene	6.686	174	116139	28.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.80%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.329	51	341075	39.47	ug/l	55
6) Dichlorodifluoromethane	1.320	85	123916	34.53	ug/l	89
7) Chloromethane	1.452	50	150585	44.40	ug/l	84
8) Bromomethane	1.782	94	65567	24.61	ug/l	96
9) Vinyl Chloride	1.537	62	151693	39.39	ug/l	98
10) Chloroethane	1.858	64	88135	32.36	ug/l	94
11) Trichlorofluoromethane	2.046	101	223067	33.07	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.419	101	97894	29.66	ug/l	96
13) Methylene Chloride	2.784	84	185975	40.64	ug/l	87
14) Acrolein	2.350	56	115389	219.36	ug/l	90
15) Acrylonitrile	2.971	53	77063	59.47	ug/l	87
16) Iodomethane	2.548	142	226154	34.21	ug/l	94
17) Acetone	2.459	43	298429	178.66	ug/l	92
18) Carbon Disulfide	2.607	76	456371	42.86	ug/l	100
19) t-Butyl Alcohol	2.853	59	74671	314.00	ug/l	99
20) n-Hexane	3.208	57	137421	59.97	ug/l	89
21) Di-isopropyl-ether	3.365	45	835007	64.21	ug/l	79
22) 1,1-Dichloroethene	2.429	61	267337	33.78	ug/l	89
23) Methyl Acetate	2.705	43	212291	56.27	ug/l	100
24) Methyl-t-butyl ether	2.991	73	432440	51.79	ug/l	75
25) 1,1-Dichloroethane	3.326	63	359612	42.43	ug/l	97
26) trans-1,2-Dichloroethene	3.001	96	165474	38.40	ug/l	81
27) cis-1,2-Dichloroethene	3.780	61	309053	40.46	ug/l	87
28) Bromochloromethane	3.948	49	186180	50.61	ug/l	77
29) 2,2-Dichloropropane	3.780	77	198578	31.41	ug/l	95
30) 1,4-Dioxane	4.893	88	81992	2376.00	ug/l	64
31) 1,1-Dichloropropene	4.231	75	225225	40.83	ug/l	96
32) Chloroform	3.997	83	287372	31.50	ug/l	97
34) Cyclohexane	4.171	56	226683	59.16	ug/l	85
36) 1,2-Dichloroethane	4.364	62	271520	31.90	ug/l	97
37) 2-Butanone	3.786	43	107795	56.61	ug/l	88
38) 1,1,1-Trichloroethane	4.129	97	225697	29.73	ug/l	95
39) Carbon Tetrachloride	4.237	117	186140	28.69	ug/l	86
40) Vinyl Acetate	3.356	43	908213	55.32	ug/l	100
41) Bromodichloromethane	4.965	83	227539	32.61	ug/l	97
42) Methylcyclohexane	4.815	83	125296	48.29	ug/l	94
43) Dibromomethane	4.893	174	134206	36.44	ug/l	96
44) 1,2-Dichloropropane	4.827	63	176661	52.23	ug/l	98
45) Trichloroethene	4.707	130	154938	36.89	ug/l	99
46) Benzene	4.358	78	608664	44.62	ug/l	100
47) tert-Amyl methyl ether	4.412	73	398660	66.59	ug/l	57
49) Dibromochloromethane	5.778	129	164615	40.97	ug/l	97
50) 2-Chloroethylvinylether	5.110	63	113795	66.13	ug/l	85
51) cis-1,3-Dichloropropene	5.194	75	253875	53.80	ug/l	95
52) trans-1,3-Dichloropropene	5.471	75	231125	46.70	ug/l	100
53) 1,1,2-Trichloroethane	5.567	97	134134	50.12	ug/l	97
54) 1,2-Dibromoethane	5.844	107	139763	43.71	ug/l	95
55) 1,3-Dichloropropane	5.657	76	236890	48.46	ug/l	97
56) 4-Methyl-2-Pentanone	5.260	43	241911	76.60	ug/l	91
57) 2-Hexanone	5.681	43	169178	78.58	ug/l	88
58) Tetrachloroethene	5.657	164	130661	46.47	ug/l	96
60) Toluene	5.368	92	346319	48.33	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.127	133	132525	40.57	ug/l	95
62) Chlorobenzene	6.091	112	351767	46.37	ug/l	97
64) Bromoform	6.524	173	134763	42.55	ug/l	99
65) Ethylbenzene	6.139	106	170219	52.16	ug/l	80
66) 1,1,2,2-Tetrachloroethane	6.740	83	173381	53.66	ug/l	85
68) Styrene	6.410	104	367898	51.58	ug/l	83
69) m&p-Xylenes	6.199	106	394515	98.84	ug/l	88

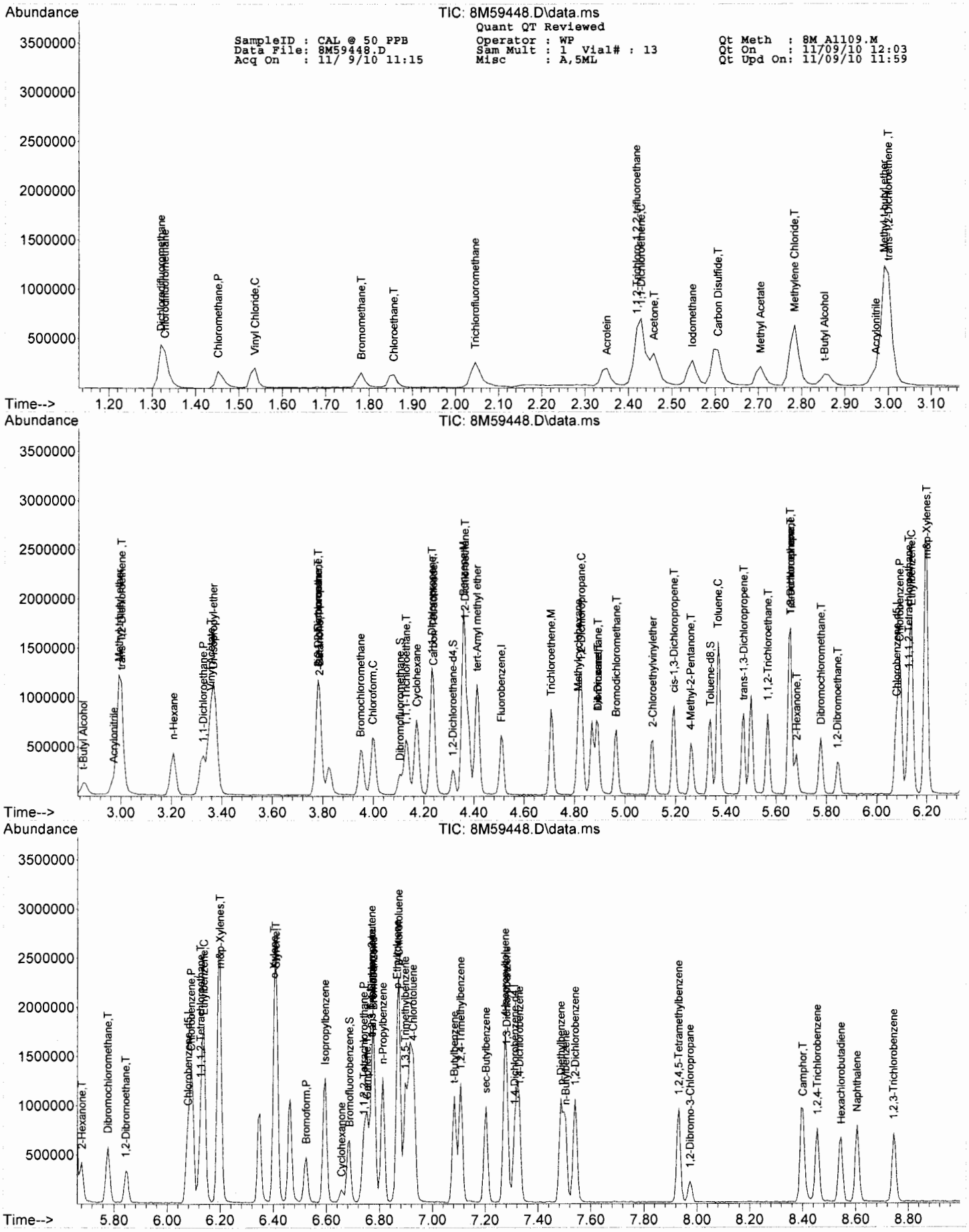
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59448.D Sam Mult : 1 Vial# : 13 Qt On : 11/09/10 12:03
Acq On : 11/ 9/10 11:15 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.404	106	198097	49.73	ug/l	82
71) trans-1,4-Dichloro-2-b...	6.771	53	82491	43.94	ug/l	5
72) 1,3-Dichlorobenzene	7.282	146	258650	46.92	ug/l	97
73) 1,4-Dichlorobenzene	7.330	146	270536	43.56	ug/l	95
74) 1,2-Dichlorobenzene	7.541	146	264553	47.60	ug/l	97
75) Isopropylbenzene	6.596	105	477218	49.42	ug/l	99
76) Cyclohexanone	6.656	55	36752	365.56	ug/l	95
77) Camphene	6.753	93	139786	52.34	ug/l	91
78) 1,2,3-Trichloropropane	6.771	75	210798	49.96	ug/l	90
79) 2-Chlorotoluene	6.873	91	444352	44.60	ug/l	95
80) p-Ethyltoluene	6.867	105	476295	51.11	ug/l	93
81) 4-Chlorotoluene	6.927	91	443328	48.35	ug/l	94
82) n-Propylbenzene	6.813	91	560891	48.88	ug/l	99
83) Bromobenzene	6.777	77	430683	51.42	ug/l	82
84) 1,3,5-Trimethylbenzene	6.897	105	368628	45.12	ug/l	96
85) t-Butylbenzene	7.083	119	329067	47.79	ug/l	90
86) 1,2,4-Trimethylbenzene	7.108	105	399866	46.98	ug/l	87
87) sec-Butylbenzene	7.204	105	390469	48.58	ug/l	96
88) 4-Isopropyltoluene	7.276	119	311513	49.64	ug/l	96
89) n-Butylbenzene	7.505	91	363357	47.72	ug/l	98
90) p-Diethylbenzene	7.487	119	186242	49.81	ug/l	98
91) 1,2,4,5-Tetramethylben...	7.932	119	301132	52.12	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	7.974	157	37036	51.41	ug/l	96
93) Camphor	8.401	95	149163	658.00	ug/l	92
94) Hexachlorobutadiene	8.546	225	110871	41.34	ug/l	98
95) 1,2,4-Trichlorobenzene	8.455	180	157134	48.60	ug/l	95
96) 1,2,3-Trichlorobenzene	8.744	180	155429	49.42	ug/l	97
97) Naphthalene	8.606	128	369664	55.31	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 8M59448.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 8M59448.D
Acq On : 11/ 9/10 11:15
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:03
Qt Upd On: 11/09/10 11:59
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59447.D Sam Mult : 1 Vial# : 12 Qt On : 11/09/10 12:02
Acq On : 11/ 9/10 10:59 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	223376	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.080	117	175246	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	98930	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.106	111	62052	21.26	ug/l	0.01
Spiked Amount 30.000			Recovery =	70.87%		
35) 1,2-Dichloroethane-d4	4.317	102	13405	25.21	ug/l	0.00
Spiked Amount 30.000			Recovery =	84.03%		
59) Toluene-d8	5.340	100	146548	32.42	ug/l	0.00
Spiked Amount 30.000			Recovery =	108.07%		
67) Bromofluorobenzene	6.682	174	96820	29.70	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.00%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.324	51	686485	97.77	ug/l	57
6) Dichlorodifluoromethane	1.314	85	263894	90.50	ug/l	95
7) Chloromethane	1.456	50	319644	116.00	ug/l	85
8) Bromomethane	1.776	94	144866	66.92	ug/l	94
9) Vinyl Chloride	1.531	62	321636	102.80	ug/l	96
10) Chloroethane	1.852	64	184835	83.52	ug/l	96
11) Trichlorofluoromethane	2.050	101	463402	84.56	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.421	101	226910	84.63	ug/l	97
13) Methylene Chloride	2.786	84	380443	102.32	ug/l	90
14) Acrolein	2.342	56	282462	660.89	ug/l	94
15) Acrylonitrile	2.963	53	160721	152.66	ug/l	100
16) Iodomethane	2.549	142	530527	98.77	ug/l	95
17) Acetone	2.460	43	704691	519.21	ug/l	95
18) Carbon Disulfide	2.598	76	1016380	117.49	ug/l	100
19) t-Butyl Alcohol	2.854	59	161167	834.13	ug/l	99
20) n-Hexane	3.209	57	280360	150.58	ug/l	89
21) Di-isopropyl-ether	3.367	45	1801403	170.49	ug/l	81
22) 1,1-Dichloroethene	2.431	61	629612	97.92	ug/l	92
23) Methyl Acetate	2.707	43	445896	145.46	ug/l	100
24) Methyl-t-butyl ether	2.992	73	897003	132.22	ug/l	73
25) 1,1-Dichloroethane	3.318	63	754501	109.57	ug/l	97
26) trans-1,2-Dichloroethene	2.992	96	327520	93.54	ug/l	66
27) cis-1,2-Dichloroethene	3.781	61	648034	104.41	ug/l	91
28) Bromochloromethane	3.950	49	387837	129.75	ug/l	82
29) 2,2-Dichloropropane	3.787	77	433949	84.47	ug/l	90
30) 1,4-Dioxane	4.894	88	165969	5919.34	ug/l	76
31) 1,1-Dichloropropene	4.232	75	467835	104.38	ug/l	97
32) Chloroform	3.998	83	611055	82.43	ug/l	96
34) Cyclohexane	4.172	56	470551	151.13	ug/l	83
36) 1,2-Dichloroethane	4.359	62	544799	78.77	ug/l	95
37) 2-Butanone	3.781	43	236180	152.66	ug/l	83
38) 1,1,1-Trichloroethane	4.130	97	476191	77.20	ug/l	100
39) Carbon Tetrachloride	4.238	117	390136	74.02	ug/l	93
40) Vinyl Acetate	3.347	43	1947491	146.00	ug/l	100
41) Bromodichloromethane	4.967	83	476812	84.10	ug/l	97
42) Methylcyclohexane	4.816	83	253230	120.13	ug/l	94
43) Dibromomethane	4.888	174	270593	90.41	ug/l	94
44) 1,2-Dichloropropane	4.828	63	372268	135.46	ug/l	99
45) Trichloroethene	4.708	130	312125	91.46	ug/l	96
46) Benzene	4.359	78	1253292	113.08	ug/l	100
47) tert-Amyl methyl ether	4.413	73	836409	171.94	ug/l	56
49) Dibromochloromethane	5.779	129	344013	103.70	ug/l	98
50) 2-Chloroethylvinylether	5.105	63	252718	177.87	ug/l	82
51) cis-1,3-Dichloropropene	5.195	75	551684	141.60	ug/l	95
52) trans-1,3-Dichloropropene	5.466	75	487171	119.22	ug/l	100
53) 1,1,2-Trichloroethane	5.568	97	265453	120.14	ug/l	96
54) 1,2-Dibromoethane	5.845	107	287720	108.98	ug/l	92
55) 1,3-Dichloropropane	5.653	76	499450	123.73	ug/l	93
56) 4-Methyl-2-Pentanone	5.261	43	511277	196.09	ug/l	92
57) 2-Hexanone	5.677	43	363767	204.63	ug/l	85
58) Tetrachloroethene	5.653	164	252856	108.92	ug/l	99
60) Toluene	5.370	92	708267	119.72	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.128	133	263888	97.85	ug/l	99
62) Chlorobenzene	6.092	112	725536	115.84	ug/l	97
64) Bromoform	6.525	173	279009	111.55	ug/l	100
65) Ethylbenzene	6.140	106	340544	132.16	ug/l	82
66) 1,1,2,2-Tetrachloroethane	6.742	83	348897	136.75	ug/l	88
68) Styrene	6.411	104	734282	130.37	ug/l	93
69) m&p-Xylenes	6.194	106	800012	253.81	ug/l	93

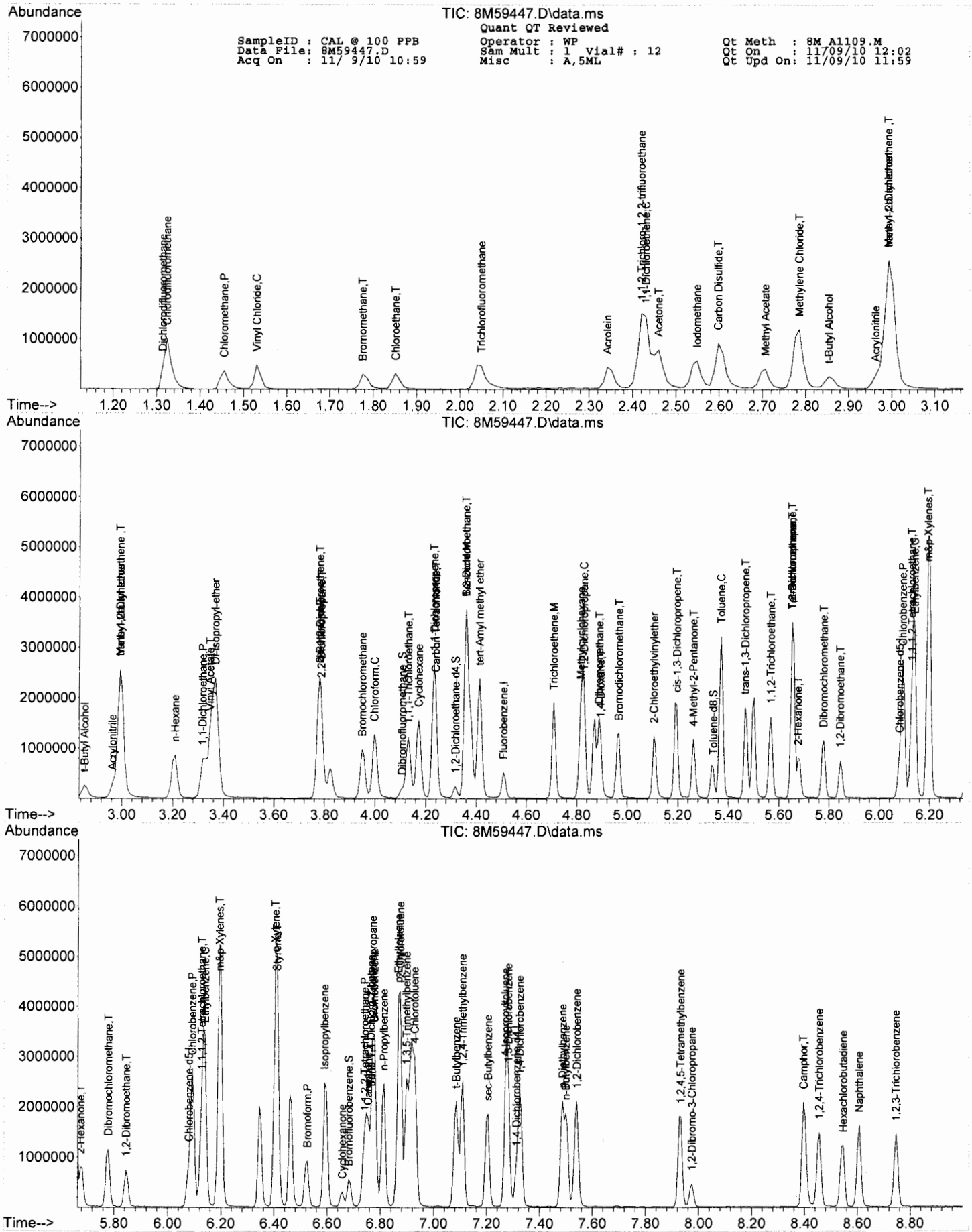
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59447.D Sam Mult : 1 Vial# : 12 Qt On : 11/09/10 12:02
Acq On : 11/ 9/10 10:59 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.405	106	407710	129.60 ug/l	79
71)	trans-1,4-Dichloro-2-b...	6.766	53	167281	112.84 ug/l	7
72)	1,3-Dichlorobenzene	7.283	146	515659	118.47 ug/l	96
73)	1,4-Dichlorobenzene	7.325	146	558828	113.94 ug/l	97
74)	1,2-Dichlorobenzene	7.542	146	530940	120.97 ug/l	97
75)	Isopropylbenzene	6.591	105	963691	126.37 ug/l	98
76)	Cyclohexanone	6.657	55	75340	948.99 ug/l	95
77)	Camphene	6.754	93	274802	130.30 ug/l	93
78)	1,2,3-Trichloropropane	6.772	75	434550	130.43 ug/l	88
79)	2-Chlorotoluene	6.874	91	856334	108.85 ug/l	95
80)	p-Ethyltoluene	6.868	105	952887	129.50 ug/l	94
81)	4-Chlorotoluene	6.928	91	950547	131.28 ug/l	94
82)	n-Propylbenzene	6.814	91	1159285	127.93 ug/l	99
83)	Bromobenzene	6.778	77	848102	128.24 ug/l	83
84)	1,3,5-Trimethylbenzene	6.898	105	732720	113.57 ug/l	95
85)	t-Butylbenzene	7.085	119	672047	123.59 ug/l	90
86)	1,2,4-Trimethylbenzene	7.109	105	815753	121.38 ug/l	88
87)	sec-Butylbenzene	7.205	105	799565	125.97 ug/l	96
88)	4-Isopropyltoluene	7.271	119	622609	125.63 ug/l	94
89)	n-Butylbenzene	7.500	91	743263	123.61 ug/l	98
90)	p-Diethylbenzene	7.488	119	385712	130.64 ug/l	97
91)	1,2,4,5-Tetramethylben...	7.933	119	638943	140.04 ug/l	100
92)	1,2-Dibromo-3-Chloropr...	7.975	157	77083	135.50 ug/l	87
93)	Camphor	8.397	95	305920	1708.95 ug/l	89
94)	Hexachlorobutadiene	8.547	225	210161	99.23 ug/l	99
95)	1,2,4-Trichlorobenzene	8.457	180	330962	129.63 ug/l	96
96)	1,2,3-Trichlorobenzene	8.746	180	312769	125.92 ug/l	98
97)	Naphthalene	8.607	128	751188	142.33 ug/l	100

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


Abundance
TIC: 8M59447.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 8M59447.D
Acq On : 11/ 9/10 10:59
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:02
Qt Upd On: 11/09/10 11:59
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
1,1-Dichloroethene,T
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 8M59447.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5
Chlorobenzene,P
Time-->

Abundance
TIC: 8M59447.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5
Chlorobenzene,P
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene,T
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59446.D Sam Mult : 1 Vial# : 11 Qt On : 11/09/10 12:01
Acq On : 11/ 9/10 10:42 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	271709	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.080	117	199729	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	110467	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.106	111	75916	21.38	ug/l	0.01
Spiked Amount 30.000			Recovery = 71.27%			
35) 1,2-Dichloroethane-d4	4.316	102	15886	24.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 81.90%			
59) Toluene-d8	5.333	100	168623	32.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.10%			
67) Bromofluorobenzene	6.687	174	110748	30.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.43%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.326	51	1759455	206.00	ug/l	58
6) Dichlorodifluoromethane	1.317	85	685515	193.26	ug/l	95
7) Chloromethane	1.449	50	838159	250.06	ug/l	87
8) Bromomethane	1.769	94	389831	148.05	ug/l	98
9) Vinyl Chloride	1.534	62	769614	202.22	ug/l	97
10) Chloroethane	1.845	64	451986	167.90	ug/l	94
11) Trichlorofluoromethane	2.043	101	1178460	176.79	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	511678	156.89	ug/l	96
13) Methylene Chloride	2.785	84	958632	211.96	ug/l	93
14) Acrolein	2.342	56	655665	1261.20	ug/l	100
15) Acrylonitrile	2.962	53	377819	295.04	ug/l	98
16) Iodomethane	2.549	142	1080790	165.43	ug/l	88
17) Acetone	2.460	43	1554962	941.89	ug/l	95
18) Carbon Disulfide	2.598	76	2401283	228.21	ug/l	100
19) t-Butyl Alcohol	2.864	59	412773	1756.30	ug/l	99
20) n-Hexane	3.209	57	698516	308.43	ug/l	89
21) Di-isopropyl-ether	3.366	45	4108964	319.70	ug/l	82
22) 1,1-Dichloroethene	2.420	61	1421048	181.70	ug/l	86
23) Methyl Acetate	2.706	43	1116080	299.31	ug/l	100
24) Methyl-t-butyl ether	2.992	73	2163973	262.23	ug/l	72
25) 1,1-Dichloroethane	3.317	63	1866931	222.89	ug/l	97
26) trans-1,2-Dichloroethene	2.992	96	813648	191.04	ug/l	71
27) cis-1,2-Dichloroethene	3.781	61	1564063	207.17	ug/l	87
28) Bromochloromethane	3.949	49	935668	257.34	ug/l	80
29) 2,2-Dichloropropane	3.781	77	1088561	174.20	ug/l	94
30) 1,4-Dioxane	4.894	88	381178	11176.52	ug/l	71
31) 1,1-Dichloropropene	4.232	75	1078855	197.89	ug/l	99
32) Chloroform	3.998	83	1495869	165.90	ug/l	100
34) Cyclohexane	4.172	56	1173147	309.77	ug/l	81
36) 1,2-Dichloroethane	4.365	62	1297019	154.18	ug/l	100
37) 2-Butanone	3.787	43	547523	290.94	ug/l	83
38) 1,1,1-Trichloroethane	4.130	97	1171685	156.17	ug/l	96
39) Carbon Tetrachloride	4.238	117	946729	147.66	ug/l	94
40) Vinyl Acetate	3.357	43	4843869	298.54	ug/l	100
41) Bromodichloromethane	4.966	83	1158993	168.06	ug/l	93
42) Methylcyclohexane	4.816	83	588564	229.54	ug/l	94
43) Dibromomethane	4.888	174	599541	164.69	ug/l	95
44) 1,2-Dichloropropane	4.828	63	886015	265.05	ug/l	100
45) Trichloroethene	4.708	130	757052	182.37	ug/l	97
46) Benzene	4.359	78	2881344	213.73	ug/l	100
47) tert-Amyl methyl ether	4.413	73	2057269	347.67	ug/l	54
49) Dibromochloromethane	5.779	129	830937	219.78	ug/l	94
50) 2-Chloroethylvinylether	5.105	63	595090	367.49	ug/l	87
51) cis-1,3-Dichloropropene	5.195	75	1360742	306.45	ug/l	94
52) trans-1,3-Dichloropropene	5.466	75	1229996	264.10	ug/l	99
53) 1,1,2-Trichloroethane	5.568	97	640802	254.47	ug/l	97
54) 1,2-Dibromoethane	5.845	107	704073	234.00	ug/l	95
55) 1,3-Dichloropropane	5.658	76	1108414	240.94	ug/l	93
56) 4-Methyl-2-Pentanone	5.261	43	1251951	421.30	ug/l	89
57) 2-Hexanone	5.682	43	865729	427.31	ug/l	87
58) Tetrachloroethene	5.652	164	549807	207.81	ug/l	99
60) Toluene	5.370	92	1647499	244.34	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.128	133	609741	198.37	ug/l	100
62) Chlorobenzene	6.092	112	1706561	239.06	ug/l	93
64) Bromoform	6.525	173	685277	245.36	ug/l	99
65) Ethylbenzene	6.140	106	758272	263.54	ug/l	86
66) 1,1,2,2-Tetrachloroethane	6.742	83	843302	296.01	ug/l	86
68) Styrene	6.411	104	1551116	246.63	ug/l	84
69) m&p-Xylenes	6.200	106	1736309	493.32	ug/l	93

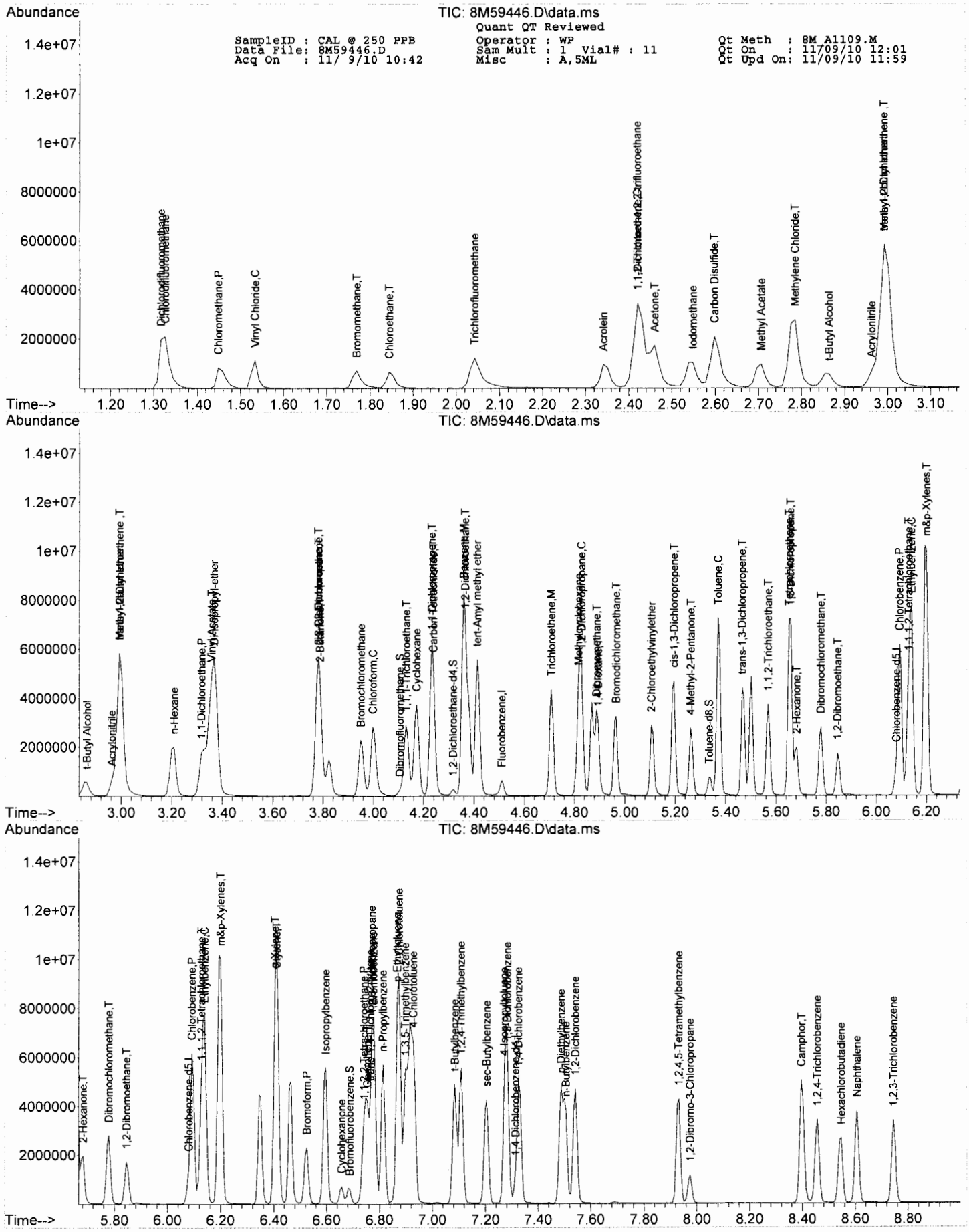
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59446.D Sam Mult : 1 Vial# : 11 Qt On : 11/09/10 12:01
Acq On : 11/ 9/10 10:42 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.405	106	865780	246.47	ug/l	76
71)	trans-1,4-Dichloro-2-b...	6.766	53	387722	234.23	ug/l	5
72)	1,3-Dichlorobenzene	7.283	146	1100114	226.34	ug/l	95
73)	1,4-Dichlorobenzene	7.325	146	1251200	228.46	ug/l	97
74)	1,2-Dichlorobenzene	7.542	146	1211568	247.22	ug/l	97
75)	Isopropylbenzene	6.597	105	2250671	264.32	ug/l	97
76)	Cyclohexanone	6.657	55	185899	2097.05	ug/l	95
77)	Camphene	6.754	93	644964	273.88	ug/l	91
78)	1,2,3-Trichloropropane	6.772	75	980538	263.57	ug/l	88
79)	2-Chlorotoluene	6.874	91	1799665	204.87	ug/l	94
80)	p-Ethyltoluene	6.868	105	2053905	249.98	ug/l	94
81)	4-Chlorotoluene	6.928	91	1995073	246.77	ug/l	93
82)	n-Propylbenzene	6.814	91	2650905	261.98	ug/l	99
83)	Bromobenzene	6.778	77	1894017	256.48	ug/l	81
84)	1,3,5-Trimethylbenzene	6.898	105	1694437	235.21	ug/l	94
85)	t-Butylbenzene	7.085	119	1521006	250.50	ug/l	87
86)	1,2,4-Trimethylbenzene	7.109	105	1872770	249.56	ug/l	88
87)	sec-Butylbenzene	7.205	105	1854626	261.68	ug/l	95
88)	4-Isopropyltoluene	7.271	119	1358266	245.45	ug/l	93
89)	n-Butylbenzene	7.506	91	1717758	255.84	ug/l	98
90)	p-Diethylbenzene	7.488	119	893750	271.09	ug/l	97
91)	1,2,4,5-Tetramethylben...	7.933	119	1490724	292.60	ug/l	100
92)	1,2-Dibromo-3-Chloropr...	7.975	157	184260	290.07	ug/l	77
93)	Camphor	8.396	95	726271	3633.42	ug/l	92
94)	Hexachlorobutadiene	8.547	225	470971	199.16	ug/l	100
95)	1,2,4-Trichlorobenzene	8.457	180	779843	273.55	ug/l	98
96)	1,2,3-Trichlorobenzene	8.745	180	741203	267.25	ug/l	97
97)	Naphthalene	8.607	128	1778996	301.86	ug/l	100

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


Abundance
TIC: 8M59446.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 8M59446.D
Acq On : 11/ 9/10 10:42
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:01
Qt Upd On: 11/09/10 11:59
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 8M59446.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Time-->

Abundance
TIC: 8M59446.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59445.D Sam Mult : 1 Vial# : 10 Qt On : 11/09/10 12:00
Acq On : 11/ 9/10 10:26 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	270878	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	196702	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	109754	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	75829	21.43	ug/l	0.01
Spiked Amount 30.000			Recovery = 71.43%			
35) 1,2-Dichloroethane-d4	4.322	102	18813	29.18	ug/l	0.01
Spiked Amount 30.000			Recovery = 97.27%			
59) Toluene-d8	5.339	100	178277	35.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.13%			
67) Bromofluorobenzene	6.687	174	115171	31.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.324	51	3350277	393.46	ug/l	59
6) Dichlorodifluoromethane	1.315	85	1347818	381.15	ug/l	91
7) Chloromethane	1.456	50	1694769	507.18	ug/l	86
8) Bromomethane	1.758	94	343681	130.92	ug/l	98
9) Vinyl Chloride	1.532	62	1445065	380.86	ug/l	95
10) Chloroethane	1.833	64	845132	314.90	ug/l	98
11) Trichlorofluoromethane	2.041	101	2241654	337.33	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	944800	290.58	ug/l	93
13) Methylene Chloride	2.775	84	1709974	379.24	ug/l	81
14) Acrolein	2.341	56	1233784	2380.53	ug/l	100
15) Acrylonitrile	2.962	53	733371	574.44	ug/l	93
16) Iodomethane	2.538	142	1936800	297.36	ug/l	86
17) Acetone	2.459	43	2870722	1744.22	ug/l	96
18) Carbon Disulfide	2.597	76	4054561	386.51	ug/l	100
19) t-Butyl Alcohol	2.864	59	796779	3400.60	ug/l	95
20) n-Hexane	3.199	57	1297427	574.64	ug/l	87
21) Di-isopropyl-ether	3.366	45	7328919	571.98	ug/l	84
22) 1,1-Dichloroethene	2.420	61	2571896	329.86	ug/l	89
23) Methyl Acetate	2.706	43	2056982	553.34	ug/l	100
24) Methyl-t-butyl ether	2.992	73	3760513	457.09	ug/l	72
25) 1,1-Dichloroethane	3.317	63	3540395	423.97	ug/l	97
26) trans-1,2-Dichloroethene	2.992	96	1389018	327.14	ug/l	69
27) cis-1,2-Dichloroethene	3.780	61	3012539	400.26	ug/l	88
28) Bromochloromethane	3.949	49	1703205	469.88	ug/l	80
29) 2,2-Dichloropropane	3.780	77	1951989	313.33	ug/l	93
30) 1,4-Dioxane	4.893	88	650444	19130.18	ug/l	69
31) 1,1-Dichloropropene	4.232	75	1838504	338.27	ug/l	98
32) Chloroform	3.997	83	2744683	305.34	ug/l	97
34) Cyclohexane	4.171	56	2121968	562.02	ug/l	81
36) 1,2-Dichloroethane	4.364	62	2175109	259.35	ug/l	99
37) 2-Butanone	3.786	43	927181	494.20	ug/l	83
38) 1,1,1-Trichloroethane	4.129	97	2158761	288.62	ug/l	99
39) Carbon Tetrachloride	4.238	117	1639945	256.57	ug/l	90
40) Vinyl Acetate	3.346	43	8331462	515.06	ug/l	100
41) Bromodichloromethane	4.966	83	2130241	309.84	ug/l	97
42) Methylcyclohexane	4.815	83	1028257	402.25	ug/l	95
43) Dibromomethane	4.887	174	1013577	279.28	ug/l	94
44) 1,2-Dichloropropane	4.827	63	1498804	449.75	ug/l	98
45) Trichloroethene	4.707	130	1308854	316.26	ug/l	97
46) Benzene	4.358	78	4673406	347.73	ug/l	100
47) tert-Amyl methyl ether	4.412	73	3537827	599.72	ug/l	54
49) Dibromochloromethane	5.778	129	1491798	400.66	ug/l	98
50) 2-Chloroethylvinylether	5.110	63	1080006	677.21	ug/l	86
51) cis-1,3-Dichloropropene	5.194	75	2405019	549.96	ug/l	95
52) trans-1,3-Dichloropropene	5.471	75	2235930	487.47	ug/l	100
53) 1,1,2-Trichloroethane	5.567	97	1113953	449.17	ug/l	92
54) 1,2-Dibromoethane	5.844	107	1266280	427.33	ug/l	95
55) 1,3-Dichloropropane	5.658	76	1828667	403.62	ug/l	91
56) 4-Methyl-2-Pentanone	5.261	43	2199937	751.71	ug/l	93
57) 2-Hexanone	5.682	43	1591215	797.48	ug/l	84
58) Tetrachloroethene	5.652	164	857083	328.93	ug/l	99
60) Toluene	5.375	92	2736577	412.11	ug/l	92
61) 1,1,1,2-Tetrachloroethane	6.127	133	1008600	333.18	ug/l	99
62) Chlorobenzene	6.091	112	2834809	403.22	ug/l	97
64) Bromoform	6.524	173	1219414	439.45	ug/l	97
65) Ethylbenzene	6.139	106	1106168	386.94	ug/l	87
66) 1,1,2,2-Tetrachloroethane	6.741	83	1449079	511.94	ug/l	85
68) Styrene	6.416	104	2356246	377.08	ug/l	90
69) m&p-Xylenes	6.199	106	2594221	741.86	ug/l	97

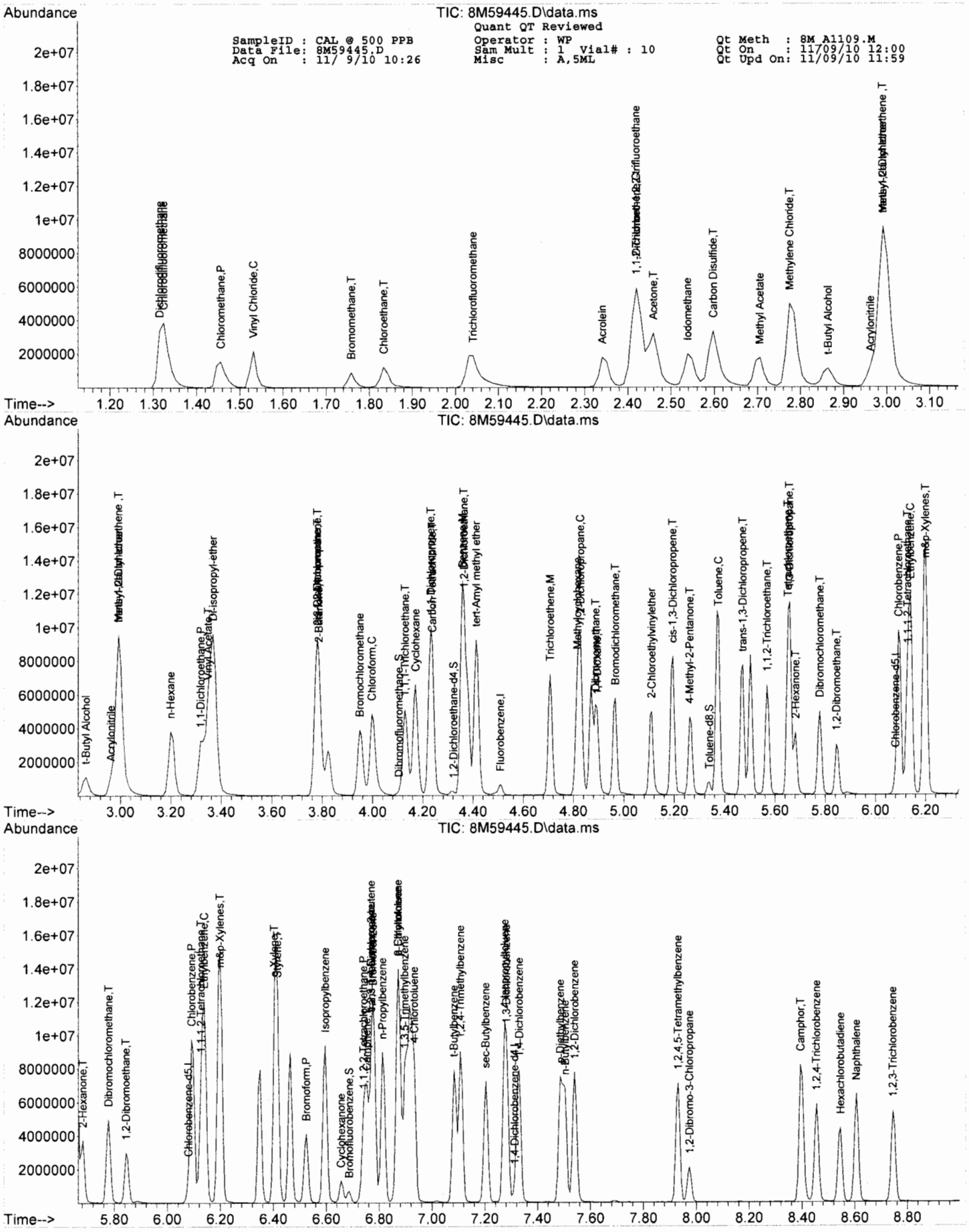
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59445.D Sam Mult : 1 Vial# : 10 Qt On : 11/09/10 12:00
Acq On : 11/ 9/10 10:26 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.404	106	1352656	387.58	ug/l	79
71) trans-1,4-Dichloro-2-b...	6.771	53	646103	392.87	ug/l	3
72) 1,3-Dichlorobenzene	7.282	146	1712618	354.65	ug/l	94
73) 1,4-Dichlorobenzene	7.331	146	2061700	378.90	ug/l	96
74) 1,2-Dichlorobenzene	7.541	146	1995536	409.84	ug/l	96
75) Isopropylbenzene	6.596	105	3719617	439.67	ug/l	97
76) Cyclohexanone	6.657	55	329188	3737.57	ug/l	95
77) Camphene	6.753	93	1056506	451.56	ug/l	90
78) 1,2,3-Trichloropropane	6.771	75	1598663	432.51	ug/l	87
79) 2-Chlorotoluene	6.873	91	2443515	279.97	ug/l	93
80) p-Ethyltoluene	6.873	105	3095916	379.25	ug/l	95
81) 4-Chlorotoluene	6.933	91	2869097	357.18	ug/l	97
82) n-Propylbenzene	6.813	91	4338882	431.59	ug/l	99
83) Bromobenzene	6.777	77	3009668	410.20	ug/l	80
84) 1,3,5-Trimethylbenzene	6.897	105	2763960	386.17	ug/l	94
85) t-Butylbenzene	7.084	119	2522976	418.21	ug/l	87
86) 1,2,4-Trimethylbenzene	7.108	105	3041835	407.98	ug/l	89
87) sec-Butylbenzene	7.204	105	3081828	437.66	ug/l	95
88) 4-Isopropyltoluene	7.276	119	2097421	381.49	ug/l	92
89) n-Butylbenzene	7.505	91	2861922	429.02	ug/l	97
90) p-Diethylbenzene	7.487	119	1457861	445.07	ug/l	95
91) 1,2,4,5-Tetramethylben...	7.932	119	2461697	486.32	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	7.974	157	345343	547.19	ug/l	81
93) Camphor	8.396	95	1236861	6228.02	ug/l	91
94) Hexachlorobutadiene	8.546	225	731467	311.33	ug/l	97
95) 1,2,4-Trichlorobenzene	8.456	180	1300491	459.14	ug/l	98
96) 1,2,3-Trichlorobenzene	8.745	180	1252384	454.50	ug/l	96
97) Naphthalene	8.606	128	3041888	519.50	ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 8M59445.D
Acq On : 11/ 9/10 10:26
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:00
Qt Upd On: 11/09/10 11:59
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate,T
Di-isopropyl-ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59442.D Sam Mult : 1 Vial# : 7 Qt On : 11/09/10 12:08
Acq On : 11/ 9/10 09:33 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	245342	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	199643	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	115558	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.099	111	71198	22.21	ug/l	0.00
Spiked Amount 30.000			Recovery =	74.03%		
35) 1,2-Dichloroethane-d4	4.316	102	17227	29.50	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.33%		
59) Toluene-d8	5.333	100	161204	31.31	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.37%		
67) Bromofluorobenzene	6.687	174	110435	29.01	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.70%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.324	51	7442	0.96	ug/l	50
6) Dichlorodifluoromethane	1.315	85	2391	0.75	ug/l	77
7) Chloromethane	1.456	50	3933	1.30	ug/l	83
8) Bromomethane	1.786	94	1118	0.47	ug/l	96
9) Vinyl Chloride	1.532	62	3301	0.96	ug/l	90
10) Chloroethane	1.852	64	2083	0.86	ug/l	92
11) Trichlorofluoromethane	2.041	101	5099	0.85	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	1972	0.67	ug/l	87
13) Methylene Chloride	2.785	84	5020	1.23	ug/l	96
14) Acrolein	2.351	56	3397	7.24	ug/l	92
15) Acrylonitrile	2.972	53	1715	1.48	ug/l	59
16) Iodomethane	2.548	142	3296	0.56	ug/l	92
17) Acetone	2.459	43	9808	6.58	ug/l	81
18) Carbon Disulfide	2.597	76	8459	0.89	ug/l	100
19) t-Butyl Alcohol	2.854	59	2503	11.79	ug/l	98
20) n-Hexane	3.199	57	2449m	1.20	ug/l	
21) Di-isopropyl-ether	3.366	45	18537	1.60	ug/l	86
22) 1,1-Dichloroethene	2.420	61	5422	0.77	ug/l	84
23) Methyl Acetate	2.696	43	7622	2.26	ug/l	100
24) Methyl-t-butyl ether	2.992	73	9123	1.22	ug/l	95
25) 1,1-Dichloroethane	3.317	63	7740	1.02	ug/l	96
26) trans-1,2-Dichloroethene	3.001	96	3901	1.01	ug/l	83
27) cis-1,2-Dichloroethene	3.775	61	7432	1.09	ug/l	55
28) Bromochloromethane	3.955	49	3433	1.05	ug/l	69
29) 2,2-Dichloropropane	3.781	77	4013	0.71	ug/l	73
30) 1,4-Dioxane	4.900	88	1290	41.89	ug/l	69
31) 1,1-Dichloropropene	4.232	75	3674	0.75	ug/l	83
32) Chloroform	4.003	83	4806	0.59	ug/l	85
34) Cyclohexane	4.172	56	4291	1.25	ug/l	85
36) 1,2-Dichloroethane	4.358	62	5515	0.73	ug/l	72
37) 2-Butanone	3.775	43	2327m	1.37	ug/l	
38) 1,1,1-Trichloroethane	4.130	97	3926	0.58	ug/l	83
39) Carbon Tetrachloride	4.232	117	3900m	0.67	ug/l	
40) Vinyl Acetate	3.356	43	17533	1.20	ug/l	100
41) Bromodichloromethane	4.960	83	4196	0.67	ug/l	95
42) Methylcyclohexane	4.816	83	1925	0.83	ug/l	86
43) Dibromomethane	4.894	174	2723	0.83	ug/l	64
44) 1,2-Dichloropropane	4.828	63	3535	1.17	ug/l	90
45) Trichloroethene	4.707	130	3029	0.81	ug/l	73
46) Benzene	4.352	78	11611	0.95	ug/l	100
47) tert-Amyl methyl ether	4.412	73	8131	1.52	ug/l	52
49) Dibromochloromethane	5.772	129	3071m	0.81	ug/l	
50) 2-Chloroethylvinylether	5.110	63	2027	1.25	ug/l	83
51) cis-1,3-Dichloropropene	5.195	75	3338	0.75	ug/l	82
52) trans-1,3-Dichloropropene	5.471	75	2938	0.63	ug/l	71
53) 1,1,2-Trichloroethane	5.568	97	2534	1.01	ug/l	80
54) 1,2-Dibromoethane	5.845	107	3048	1.01	ug/l	96
55) 1,3-Dichloropropane	5.652	76	5718	1.24	ug/l	84
56) 4-Methyl-2-Pentanone	5.261	43	5381	1.81	ug/l	81
57) 2-Hexanone	5.706	43	4037	1.99	ug/l	64
58) Tetrachloroethene	5.652	164	2964	1.12	ug/l	75
60) Toluene	5.369	92	6770	1.00	ug/l	87
61) 1,1,1,2-Tetrachloroethane	6.127	133	1845m	0.60	ug/l	
62) Chlorobenzene	6.091	112	7859	1.10	ug/l	73
64) Bromoform	6.531	173	2577	0.88	ug/l	76
65) Ethylbenzene	6.139	106	2640	0.88	ug/l	60
66) 1,1,2,2-Tetrachloroethane	6.741	83	4155	1.39	ug/l	86
68) Styrene	6.410	104	6571	1.00	ug/l	85
69) m&p-Xylenes	6.194	106	7235	1.97	ug/l	95

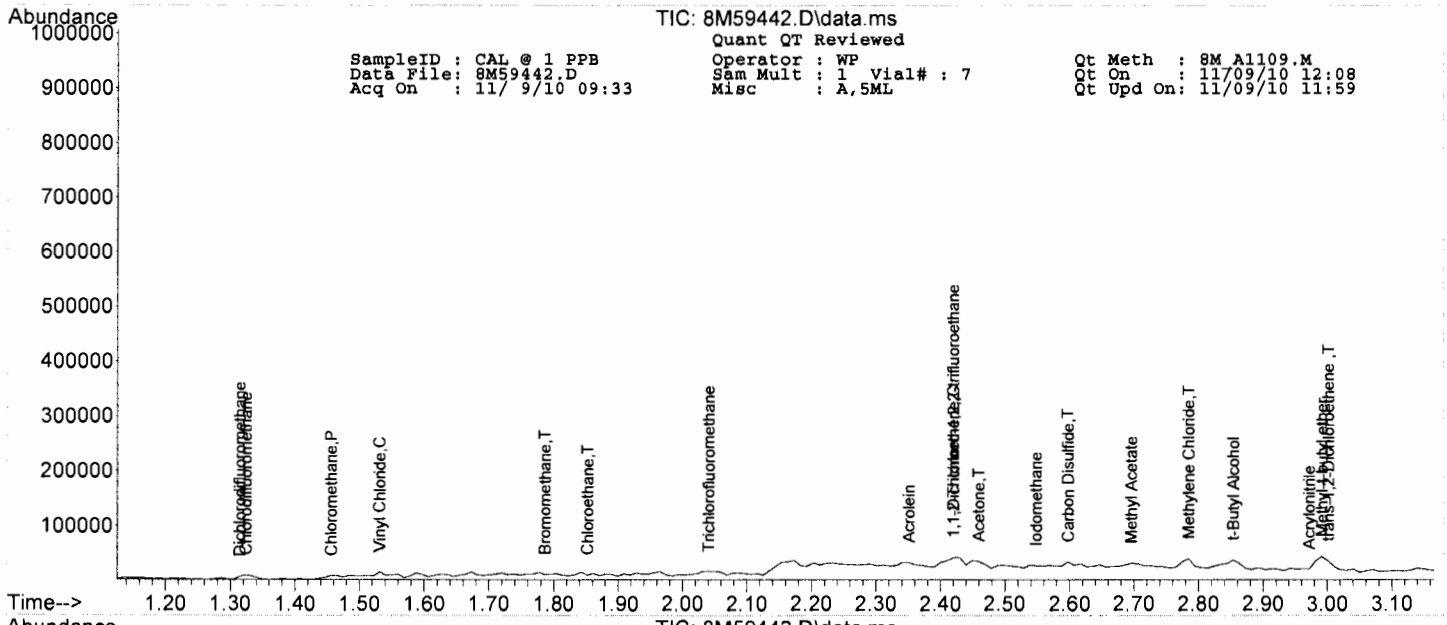
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59442.D Sam Mult : 1 Vial# : 7 Qt On : 11/09/10 12:08
Acq On : 11/ 9/10 09:33 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.404	106	3150	0.86 ug/l	80
71) trans-1,4-Dichloro-2-b...	6.765	53	2589m	1.50 ug/l	
72) 1,3-Dichlorobenzene	7.283	146	6203	1.22 ug/l	88
73) 1,4-Dichlorobenzene	7.331	146	5858m	1.02 ug/l	
74) 1,2-Dichlorobenzene	7.541	146	6526	1.27 ug/l	95
75) Isopropylbenzene	6.591	105	7786	0.87 ug/l	91
76) Cyclohexanone	6.657	55	836m	9.02 ug/l	
77) Camphene	6.753	93	2604	1.06 ug/l	82
78) 1,2,3-Trichloropropane	6.783	75	5798	1.49 ug/l	89
79) 2-Chlorotoluene	6.874	91	9757	1.06 ug/l	84
80) p-Ethyltoluene	6.874	105	10564	1.23 ug/l	93
81) 4-Chlorotoluene	6.928	91	7848	0.93 ug/l	81
82) n-Propylbenzene	6.813	91	10331	0.98 ug/l	97
83) Bromobenzene	6.777	77	8418	1.09 ug/l	85
84) 1,3,5-Trimethylbenzene	6.898	105	7309	0.97 ug/l	88
85) t-Butylbenzene	7.084	119	5567	0.88 ug/l	78
86) 1,2,4-Trimethylbenzene	7.108	105	7734	0.99 ug/l	84
87) sec-Butylbenzene	7.198	105	7885	1.06 ug/l	88
88) 4-Isopropyltoluene	7.277	119	4871	0.84 ug/l	82
89) n-Butylbenzene	7.505	91	6821	0.97 ug/l	85
90) p-Diethylbenzene	7.487	119	2660m	0.77 ug/l	
91) 1,2,4,5-Tetramethylben...	7.933	119	5772	1.08 ug/l	93
92) 1,2-Dibromo-3-Chloropr...	7.975	157	444	0.67 ug/l	15
93) Camphor	8.396	95	2026	9.69 ug/l	87
94) Hexachlorobutadiene	8.540	225	1371m	0.55 ug/l	
95) 1,2,4-Trichlorobenzene	8.456	180	3319	1.11 ug/l	92
96) 1,2,3-Trichlorobenzene	8.751	180	2976m	1.03 ug/l	
97) Naphthalene	8.607	128	6600	1.07 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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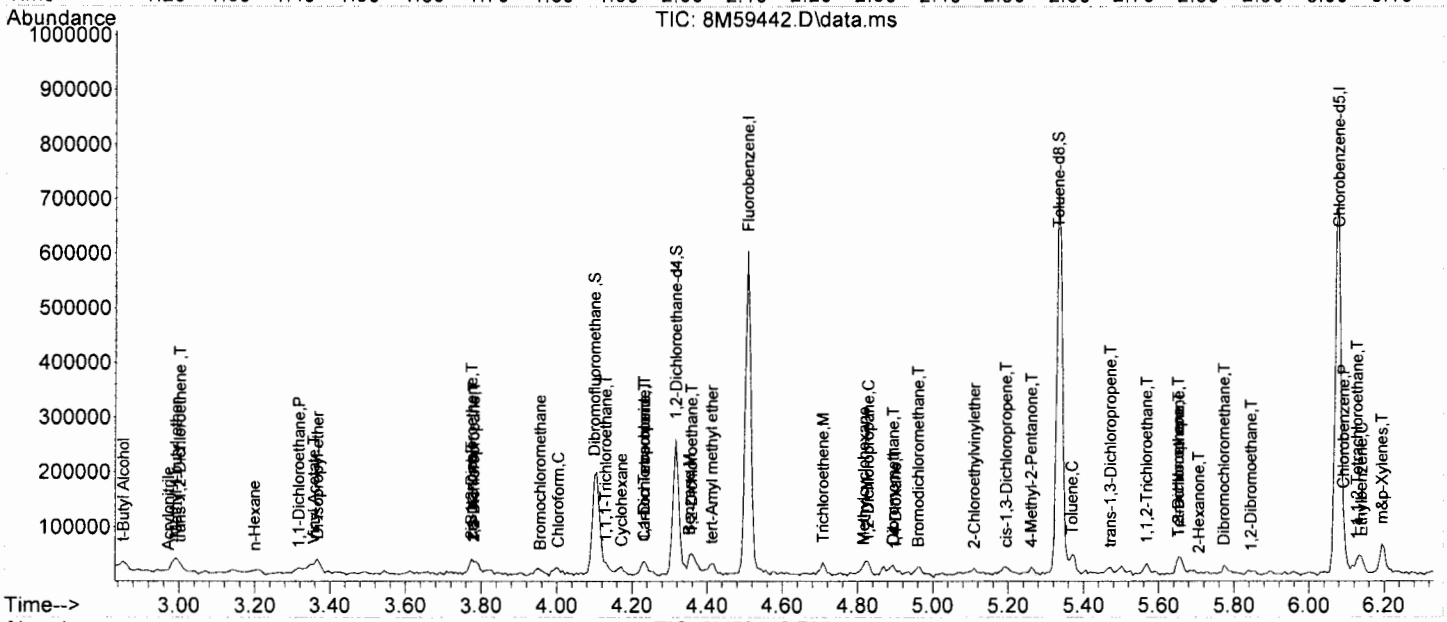
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 8M59442.D
Acq On : 11/ 9/10 09:33
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 8M A1109.M
Qt On : 11/09/10 12:08
Qt Upd On: 11/09/10 11:59
Abundance
Time-->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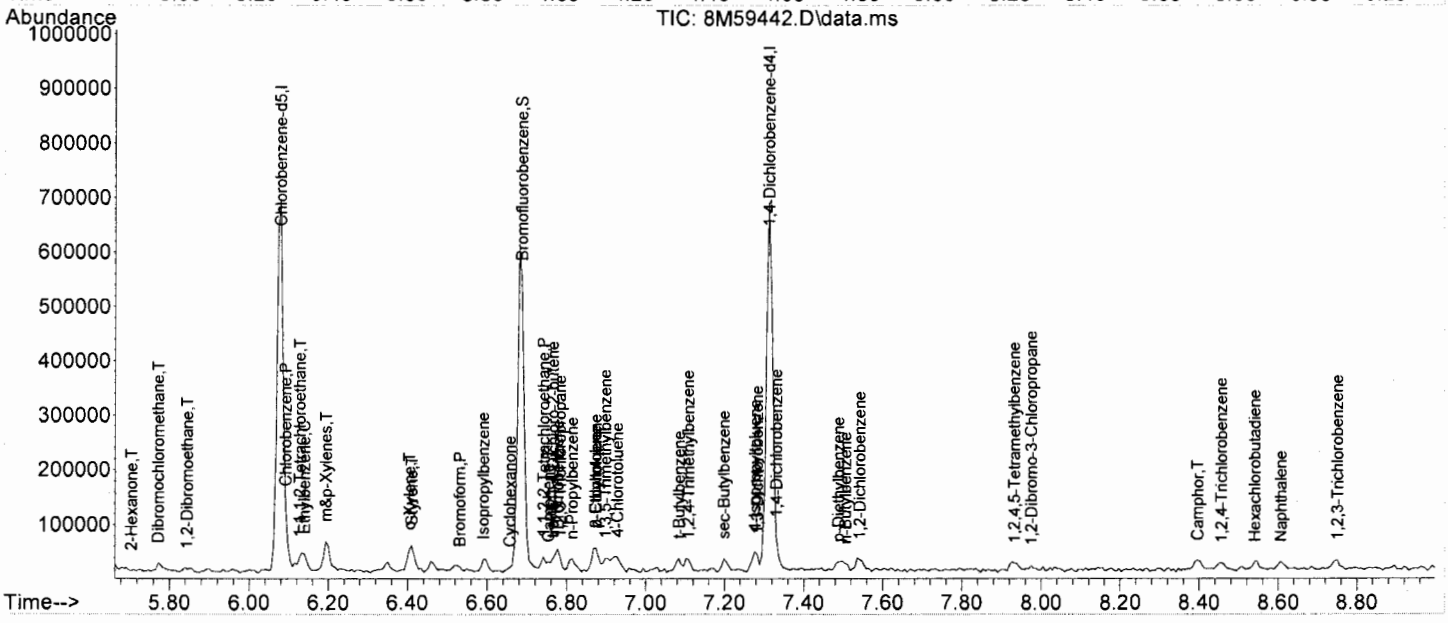
Abundance
Time-->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Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59443.D Sam Mult : 1 Vial# : 8 Qt On : 11/09/10 12:14
Acq On : 11/ 9/10 09:52 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.508	96	247597	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.079	117	194089	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	112550	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.099	111	74199	22.94 ug/l	0.00
Spiked Amount 30.000			Recovery =	76.47%	
35) 1,2-Dichloroethane-d4	4.310	102	16417	27.86 ug/l	0.00
Spiked Amount 30.000			Recovery =	92.87%	
59) Toluene-d8	5.332	100	162463	32.45 ug/l	0.00
Spiked Amount 30.000			Recovery =	108.17%	
67) Bromofluorobenzene	6.686	174	108877	29.36 ug/l	0.00
Spiked Amount 30.000			Recovery =	97.87%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D. d	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D. d	
15) Acrylonitrile	0.000		0	N.D. d	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D. d	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D. d	
24) Methyl-t-butyl ether	2.991	73	3773m	0.50 ug/l	
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D. d	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D. d	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	4.364	62	3055	0.40 ug/l	45
37) 2-Butanone	0.000		0	N.D. d	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	4.965	83	2670	0.42 ug/l	78
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D. d	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	4.358	78	6385	0.52 ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	5.778	129	1891	0.51 ug/l	95
50) 2-Chloroethylvinylether	0.000		0	N.D. d	
51) cis-1,3-Dichloropropene	5.188	75	2511	0.58 ug/l	74
52) trans-1,3-Dichloropropene	5.471	75	1067	0.24 ug/l	70
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D. d	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D. d	
58) Tetrachloroethene	0.000		0	N.D. d	
60) Toluene	0.000		0	N.D. d	
61) 1,1,1,2-Tetrachloroethane	6.121	133	1451	0.49 ug/l	70
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D. d	
65) Ethylbenzene	0.000		0	N.D. d	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.193	106	5048m	1.41 ug/l	

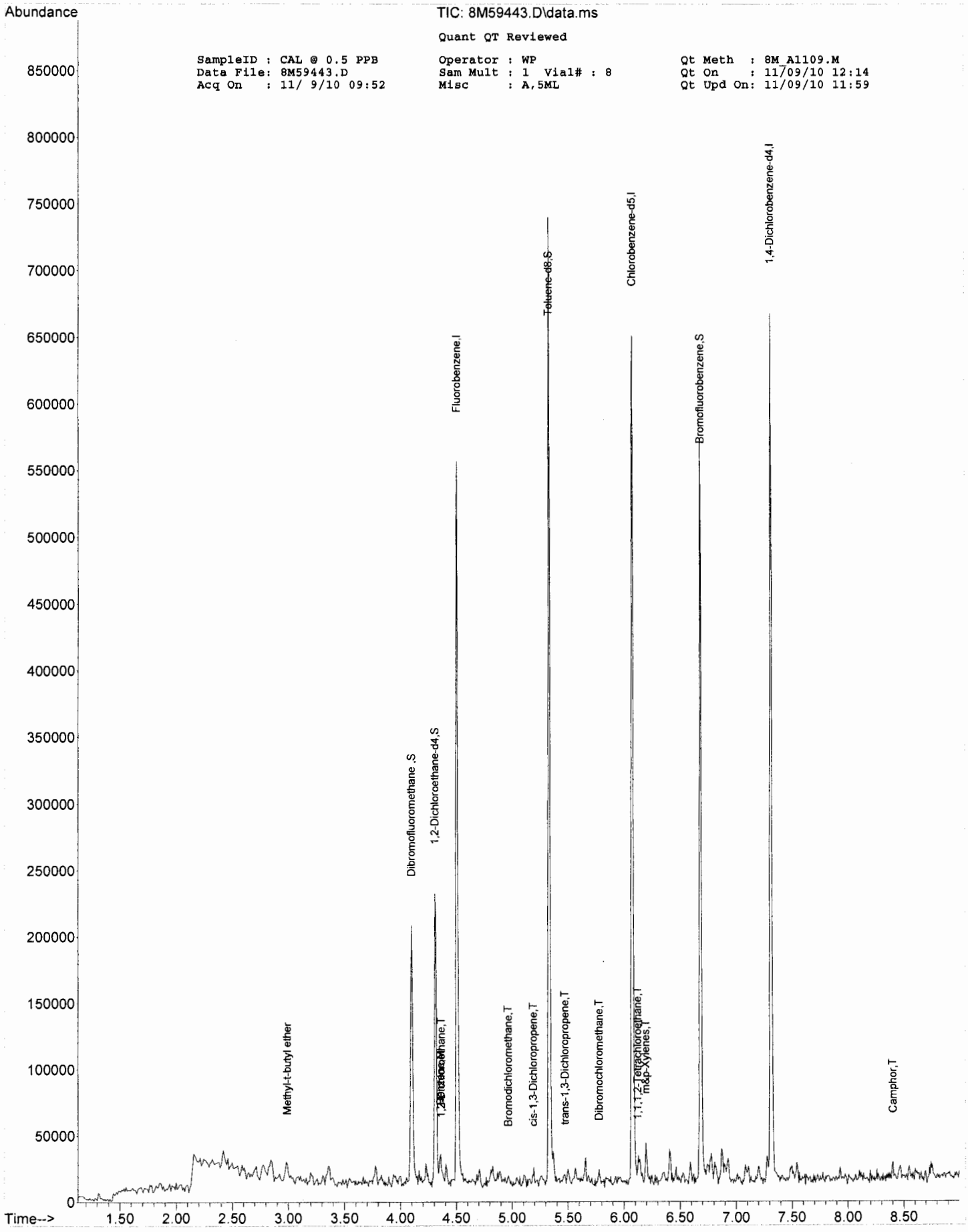
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M59443.D Sam Mult : 1 Vial# : 8 Qt On : 11/09/10 12:14
Acq On : 11/ 9/10 09:52 Misc : A,5ML Qt Upd On: 11/09/10 11:59

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	0.000		0	N.D. d	
71)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
72)	1,3-Dichlorobenzene	0.000		0	N.D. d	
73)	1,4-Dichlorobenzene	0.000		0	N.D. d	
74)	1,2-Dichlorobenzene	0.000		0	N.D. d	
75)	Isopropylbenzene	0.000		0	N.D. d	
76)	Cyclohexanone	0.000		0	N.D. d	
77)	Camphene	0.000		0	N.D. d	
78)	1,2,3-Trichloropropane	0.000		0	N.D. d	
79)	2-Chlorotoluene	0.000		0	N.D. d	
80)	p-Ethyltoluene	0.000		0	N.D. d	
81)	4-Chlorotoluene	0.000		0	N.D. d	
82)	n-Propylbenzene	0.000		0	N.D. d	
83)	Bromobenzene	0.000		0	N.D. d	
84)	1,3,5-Trimethylbenzene	0.000		0	N.D. d	
85)	t-Butylbenzene	0.000		0	N.D. d	
86)	1,2,4-Trimethylbenzene	0.000		0	N.D. d	
87)	sec-Butylbenzene	0.000		0	N.D. d	
88)	4-Isopropyltoluene	0.000		0	N.D. d	
89)	n-Butylbenzene	0.000		0	N.D. d	
90)	p-Diethylbenzene	0.000		0	N.D. d	
91)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
92)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d	
93)	Camphor	8.401	95	1532	7.52 ug/l	83
94)	Hexachlorobutadiene	0.000		0	N.D. d	
95)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
96)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
97)	Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 8M59443.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 8M59443.D
Acq On : 11/ 9/10 09:52
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/09/10 12:14
Qt Upd On: 11/09/10 11:59
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Methyl-t-butyl ether
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
trans-1,3-Dichloropropene,T
Dibromochloromethane,T
1,1,1,2-Tetrachloroethane,T
m&p-Xylenes,T
Camphor,T
Time-->

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_8

0104

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M60766.	CAL @ 20 PPB	12/08/10 12:36	2	8M60761.	CAL @ 5 PPB	12/08/10 11:16
3	8M60767.	CAL @ 10 PPB	12/08/10 12:52	4	8M60765.	CAL @ 50 PPB	12/08/10 12:20
5	8M60764.	CAL @ 100 PPB	12/08/10 12:04	6	8M60763.	CAL @ 250 PPB	12/08/10 11:48
7	8M60762.	CAL @ 500 PPB	12/08/10 11:32	8	8M60759.	CAL @ 1 PPB	12/08/10 10:36
9	8M60760.	CAL @ 0.5 PPB	12/08/10 10:55				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.6649	0.9289	0.7227	0.6357	0.7116	0.7291	0.7955	0.8507	-----	0.755	1.33	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.3602	0.5161	0.3988	0.3645	0.3992	0.4136	0.4498	0.3622	-----	0.408	1.32	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	LinF	0.4385	0.6851	0.5278	0.4282	0.4726	0.4809	0.5788	0.5503	-----	0.520	1.45	0.993	1.00	16	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1573	0.1855	0.1725	0.1604	0.1771	0.1788	0.1263	0.1333	-----	0.161	1.78	0.966	0.997	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.2871	0.3763	0.3353	0.2847	0.3184	0.3283	0.3464	0.3100	-----	0.323	1.54	0.999	1.00	9.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.1913	0.3443	0.2462	0.1761	0.1909	0.1911	0.1935	0.3083	-----	0.230	1.86	1.00	1.00	28		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.3440	0.4260	0.3728	0.3248	0.3589	0.3759	0.4083	0.3340	-----	0.368	2.05	0.998	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.1901	0.2267	0.2339	0.1814	0.2039	0.2102	0.2324	0.2125	-----	0.211	2.42	0.998	1.00	9.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3959	0.5349	0.5064	0.3853	0.4065	0.3937	0.4111	0.4512	-----	0.436	2.78	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0585	0.0778	0.0779	0.0635	0.0692	0.0681	0.0709	0.0782	-----	0.0706	2.35	1.00	1.00	10		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1493	0.1894	0.1781	0.1544	0.1660	0.1660	0.1756	0.1448	-----	0.165	2.96	0.999	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.5370	0.5150	0.6092	0.5311	0.5399	0.5881	0.6391	0.4025	-----	0.545	2.55	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	LinF	0.1217	0.2109	0.1675	0.1213	0.1223	0.1238	0.1449	0.2386	-----	0.156	2.46	0.995	1.00	29		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	1.1382	1.4875	1.2452	1.1288	1.2235	1.2286	1.3143	1.2433	-----	1.25	2.61	0.999	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0205	0.0257	0.0206	0.0217	0.0222	0.0227	0.0238	0.0257	-----	0.0229	2.85	0.999	1.00	9.0		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.2186	0.2176	0.2185	0.2114	0.2683	0.2660	0.2818	0.2850	-----	0.246	3.21	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.5517	1.8812	1.7128	1.5430	1.7576	1.6390	1.5460	1.5371	-----	1.65	3.37	0.999	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.4892	0.6911	0.6023	0.4809	0.5165	0.5124	0.5833	0.5119	-----	0.548	2.43	0.996	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	LinF	0.4014	0.6088	0.4262	0.3753	0.4057	0.4220	0.4445	0.6776	-----	0.470	2.71	0.999	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.6258	0.8302	0.7060	0.6548	0.6903	0.6669	0.6601	0.6122	0.7619	0.690	2.99	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.6702	0.9694	0.7826	0.7070	0.7718	0.7597	0.8236	0.8002	-----	0.786	3.32	0.999	1.00	11	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	LinF	0.3495	0.4943	0.3774	0.3402	0.3625	0.3416	0.3480	0.4669	-----	0.385	3.00	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6195	0.8420	0.6849	0.6189	0.6636	0.6392	0.6385	0.7322	-----	0.680	3.78	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	LinF	0.3976	0.5957	0.4028	0.3810	0.3896	0.3833	0.3991	0.4849	-----	0.429	3.95	1.00	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3365	0.5002	0.3852	0.3575	0.4040	0.4112	0.4182	0.3337	-----	0.393	3.79	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0032	0.0001	0.0031	0.0032	0.0031	0.0030	0.0029	0.0032	-----	0.00276	4.89	0.999	1.00	39		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4375	0.4648	0.4860	0.4334	0.4730	0.4463	0.4191	0.4512	-----	0.451	4.23	0.999	1.00	4.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5839	0.7967	0.6187	0.5658	0.6048	0.6056	0.6373	0.6120	-----	0.628	4.00	0.999	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2763	0.2912	0.2794	0.2742	0.2772	0.2595	0.2727	0.2778	0.3132	0.280	4.11	-1	-1	5.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3902	0.3196	0.3837	0.3922	0.4721	0.4556	0.4727	0.4154	-----	0.413	4.17	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.0672	0.0637	0.0604	0.0616	0.0593	0.0606	0.0556	0.0658	0.0760	0.0634	4.32	-1	-1	9.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.5174	0.7081	0.5803	0.5111	0.5370	0.5133	0.4854	0.6460	0.6771	0.575	4.36	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	LinF	0.2036	0.2728	0.2173	0.2158	0.2243	0.2122	0.2013	0.3453	-----	0.237	3.79	0.999	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3908	0.5559	0.4587	0.4173	0.4657	0.4658	0.4823	0.5063	-----	0.468	4.13	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3547	0.4655	0.3849	0.3552	0.3996	0.3839	0.3768	0.3921	-----	0.389	4.24	1.00	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.7846	2.0532	1.9762	1.8013	1.9581	1.8934	1.8499	1.7739	-----	1.89	3.36	1.00	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4274	0.6253	0.4974	0.4342	0.4703	0.4773	0.4846	0.5024	0.6130	0.504	4.97	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Methylcyclohexane	1	0	Avg	0.2185	0.1972	0.2097	0.2017	0.2483	0.2369	0.2391	0.1663	-----	0.215	4.82	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Lin	0.2872	0.4084	0.3375	0.2932	0.3073	0.2748	0.2630	0.4150	-----	0.323	4.89	0.999	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3631	0.4774	0.4019	0.3551	0.3887	0.3692	0.3455	0.4202	-----	0.390	4.83	0.999	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3280	0.4155	0.3563	0.3202	0.3461	0.3258	0.3193	0.3955	-----	0.351	4.71	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_8

0105

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M60766.	CAL @ 20 PPB	12/08/10 12:36	2	8M60761.	CAL @ 5 PPB	12/08/10 11:16
3	8M60767.	CAL @ 10 PPB	12/08/10 12:52	4	8M60765.	CAL @ 50 PPB	12/08/10 12:20
5	8M60764.	CAL @ 100 PPB	12/08/10 12:04	6	8M60763.	CAL @ 250 PPB	12/08/10 11:48
7	8M60762.	CAL @ 500 PPB	12/08/10 11:32	8	8M60759.	CAL @ 1 PPB	12/08/10 10:36
9	8M60760.	CAL @ 0.5 PPB	12/08/10 10:55				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	Avg	1.2506	1.6964	1.4095	1.2382	1.3289	1.2076	1.1137	1.5528	1.5014	1.37	4.36	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.5334	0.6605	0.5991	0.5587	0.5889	0.5747	0.5656	0.4368	-----	0.565	4.41	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4558	0.5912	0.5020	0.4593	0.4896	0.5127	0.5565	0.4555	0.4368	0.496	5.78	0.998	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Chloroethylvinylether	1	0	LinF	0.2765	0.2504	0.2899	0.2912	0.3270	0.3355	0.3645	0.1812	-----	0.290	5.11	0.998	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	Avg	0.6543	0.7169	0.6843	0.6997	0.7522	0.8023	0.8689	0.6549	0.7842	0.735	5.19	0.998	1.00	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
trans-1.3-Dichloroprope	1	0	LinF	0.5395	0.6158	0.5449	0.5982	0.6897	0.7131	0.7934	0.5738	0.4783	0.616	5.47	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1.2-Trichloroethane	1	0	Avg	0.3975	0.5030	0.4220	0.3841	0.3910	0.3954	0.4199	0.3896	-----	0.413	5.57	0.999	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.3727	0.5678	0.4439	0.4078	0.4226	0.4156	0.4648	0.4365	-----	0.442	5.84	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7082	1.0044	0.7710	0.7035	0.7191	0.6690	0.6473	0.7211	-----	0.743	5.66	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.5522	0.6171	0.6303	0.6203	0.6671	0.6816	0.7409	0.5918	-----	0.638	5.26	0.998	1.00	9.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.3890	0.4201	0.4273	0.4155	0.4498	0.4512	0.5172	0.3091	-----	0.422	5.68	0.996	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Lin	0.3919	0.4771	0.4439	0.3720	0.3979	0.3535	0.3434	0.6027	-----	0.423	5.66	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	0.8148	0.8634	0.8624	0.8903	0.8747	0.8972	0.9473	0.8679	0.8173	0.871	5.34	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.9997	1.3726	1.1395	0.9900	1.0154	0.9957	1.0074	1.2317	-----	1.09	5.37	1.00	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.3833	0.5026	0.4249	0.4029	0.4113	0.3907	0.3911	0.4708	-----	0.422	6.13	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.0399	1.4518	1.1852	1.0416	1.1063	1.0733	1.0571	1.3543	-----	1.16	6.10	1.00	1.00	14	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.6349	0.8934	0.7248	0.6217	0.7380	0.7831	0.8789	0.6856	-----	0.745	6.52	0.997	1.00	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	LinF	0.8923	0.8059	1.0169	0.7254	0.9240	0.8495	----	1.3837	-----	0.943	6.14	0.997	0.998	23	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	LinF	0.9215	1.2116	1.0419	0.7843	0.9504	0.9242	0.9457	1.1241	1.4716	1.04	6.74	1.00	1.00	20	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
Bromofluorobenzene	1	0	Avg	0.9927	1.0150	1.0394	0.9170	1.0625	1.0909	1.1453	0.9572	0.9891	1.02	6.69	-1	-1	6.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.8481	2.0777	1.9239	1.7299	1.9264	1.7347	1.5949	1.2988	-----	1.77	6.41	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.0866	1.2835	1.1521	0.9583	1.0756	0.9719	0.8794	1.1516	1.2309	1.09	6.20	0.997	1.00	12		40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	1.0073	1.1370	1.1806	0.9557	1.0521	0.9691	0.8861	1.0099	-----	1.02	6.41	0.997	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.4512	0.4605	0.4240	0.3988	0.4619	0.4305	0.4377	0.5286	-----	0.449	6.77	1.00	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.4037	1.7736	1.5801	1.3184	1.4612	1.3312	1.2257	1.6205	-----	1.46	7.28	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.5148	1.8496	1.8184	1.3382	1.5436	1.4757	1.4908	1.8812	-----	1.61	7.33	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.3650	1.9196	1.5845	1.2887	1.5244	1.4501	1.4422	1.5732	-----	1.52	7.54	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.1030	1.9693	2.2399	2.0237	2.4402	2.4020	2.4168	2.0524	-----	2.21	6.60	1.00	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0295	0.0389	0.0378	0.0259	0.0365	0.0368	0.0419	----	-----	0.0354	6.66	0.996	0.999	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Camphene	1	0	Avg	0.5970	0.4428	0.5392	0.5567	0.7035	0.6857	0.6651	0.6330	-----	0.603	6.75	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	1.0315	1.3259	1.1440	0.9391	1.0990	1.0462	0.9946	1.1709	-----	1.09	6.77	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	2.0861	2.7372	2.6072	1.9863	2.2582	1.9306	-----	2.2425	-----	2.26	6.87	0.996	0.998	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Avg	2.3310	2.3471	2.4080	2.1006	2.4555	2.2311	2.0418	1.9324	-----	2.23	6.87	0.997	1.00	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	2.1072	2.8534	2.4432	2.1309	2.3858	2.1603	2.0524	2.2553	-----	2.30	6.93	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.7508	2.8340	2.9512	2.5339	2.9897	2.8998	2.8960	2.9938	-----	2.86	6.81	1.00	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.0380	2.7203	2.2888	1.8476	2.1625	2.0021	1.9194	2.6599	-----	2.20	6.78	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	1.8043	2.1580	2.0056	1.6441	1.9952	1.9370	1.8877	1.7284	-----	1.90	6.90	1.00	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.6123	1.4149	1.5621	1.4334	1.7269	1.7020	1.6949	1.4514	-----	1.57	7.08	1.00	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	1.9568	2.2173	2.0943	1.8874	2.1829	2.0796	2.0682	1.8716	-----	2.04	7.11	1.00	1.00	6.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.6923	1.6106	1.8276	1.7145	2.0357	2.0751	2.0628	1.7525	-----	1.85	7.20	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.4979	1.2420	1.4885	1.3463	1.6342	1.5059	1.4302	1.5955	-----	1.47	7.28	0.999	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.5
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_8

0106

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M60766.	CAL @ 20 PPB	12/08/10 12:36	2	8M60761.	CAL @ 5 PPB	12/08/10 11:16
3	8M60767.	CAL @ 10 PPB	12/08/10 12:52	4	8M60765.	CAL @ 50 PPB	12/08/10 12:20
5	8M60764.	CAL @ 100 PPB	12/08/10 12:04	6	8M60763.	CAL @ 250 PPB	12/08/10 11:48
7	8M60762.	CAL @ 500 PPB	12/08/10 11:32	8	8M60759.	CAL @ 1 PPB	12/08/10 10:36
9	8M60760.	CAL @ 0.5 PPB	12/08/10 10:55				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Butylbenzene	1	0	Avg	1.7790	1.5279	1.8109	1.6175	1.9960	1.9375	1.9419	1.7909	-----	1.80	7.50	1.00	1.00	9.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.8340	0.7058	0.8637	0.8311	1.0034	0.9944	0.9867	0.8777	-----	0.887	7.49	1.00	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.2396	0.9927	1.2330	1.2701	1.5972	1.5999	1.6328	0.9152	-----	1.31	7.93	1.00	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloropr	1	0	Lin	0.1544	0.1744	0.1197	0.1531	0.1751	0.2069	0.2230	0.1639	-----	0.171	7.97	0.998	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0450	0.0417	0.0449	0.0515	0.0623	0.0668	0.0711	0.0286	0.0300	0.0492	8.40	0.999	1.00	31	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.7252	0.5135	0.7283	0.5813	0.6599	0.5960	0.5854	0.6083	-----	0.625	8.55	0.999	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	0.8514	0.8848	0.8886	0.7830	0.9404	0.9219	0.9417	0.7847	-----	0.875	8.46	1.00	1.00	7.3	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	0.8145	0.7767	0.8562	0.7185	0.8510	0.8560	0.8545	0.7672	-----	0.812	8.74	1.00	1.00	6.5	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	1.5386	1.3019	1.6365	1.5566	1.8413	1.9059	1.9681	1.1073	-----	1.61	8.61	1.00	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.5
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 8M60766.D
Acq On : 12/ 8/10 12:36

Operator : WP
Sam Mult : 1 Vial# : 42
Misc : A,5ML

Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	270497	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	187558	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	104508	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	74748	29.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.03%			
35) 1,2-Dichloroethane-d4	4.316	102	18198	30.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.27%			
59) Toluene-d8	5.333	100	152838	28.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.33%			
67) Bromofluorobenzene	6.687	174	103747	30.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.23%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.325	51	119919	16.46	ug/l	76
6) Dichlorodifluoromethane	1.316	85	64958	24.33	ug/l	93
7) Chloromethane	1.448	50	79084	22.81	ug/l	83
8) Bromomethane	1.778	94	28368	20.04	ug/l	95
9) Vinyl Chloride	1.533	62	51774	15.70	ug/l	94
10) Chloroethane	1.853	64	34511	17.22	ug/l	90
11) Trichlorofluoromethane	2.042	101	62041	12.75	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	34291	15.70	ug/l	97
13) Methylene Chloride	2.785	84	71407	17.25	ug/l	94
14) Acrolein	2.341	56	52763	94.86	ug/l	98
15) Acrylonitrile	2.972	53	26924	16.34	ug/l	83
16) Iodomethane	2.548	142	96847	22.08	ug/l	99
17) Acetone	2.459	43	109755	74.29	ug/l	96
18) Carbon Disulfide	2.597	76	205256	21.39	ug/l	100
19) t-Butyl Alcohol	2.853	59	18542	52.06	ug/l	89
20) n-Hexane	3.208	57	39429	14.24	ug/l	86
21) Di-isopropyl-ether	3.366	45	279837	15.75	ug/l	79
22) 1,1-Dichloroethene	2.430	61	88224	14.74	ug/l	96
23) Methyl Acetate	2.706	43	72391	14.00	ug/l	100
24) Methyl-t-butyl ether	2.991	73	112863	12.58	ug/l	91
25) 1,1-Dichloroethane	3.326	63	120859	15.77	ug/l	100
26) trans-1,2-Dichloroethene	3.001	96	63032	17.98	ug/l	90
27) cis-1,2-Dichloroethene	3.780	61	111723	16.38	ug/l	94
28) Bromochloromethane	3.949	49	71703	18.30	ug/l	78
29) 2,2-Dichloropropane	3.780	77	60682	14.27	ug/l	94
30) 1,4-Dioxane	4.888	88	29366	878.15	ug/l	62
31) 1,1-Dichloropropene	4.232	75	78912	17.60	ug/l	92
32) Chloroform	3.997	83	105300	17.57	ug/l	94
34) Cyclohexane	4.172	56	70376	15.13	ug/l	81
36) 1,2-Dichloroethane	4.358	62	93308	16.13	ug/l	88
37) 2-Butanone	3.786	43	36720	15.50	ug/l	72
38) 1,1,1-Trichloroethane	4.129	97	70474	15.19	ug/l	99
39) Carbon Tetrachloride	4.238	117	63967	16.19	ug/l	100
40) Vinyl Acetate	3.356	43	321831	16.95	ug/l	100
41) Bromodichloromethane	4.966	83	77078	16.09	ug/l	97
42) Methylcyclohexane	4.815	83	39411	16.07	ug/l	90
43) Dibromomethane	4.888	174	51808	18.46	ug/l	95
44) 1,2-Dichloropropane	4.827	63	65483	17.81	ug/l	89
45) Trichloroethene	4.707	130	59153	18.33	ug/l	96
46) Benzene	4.358	78	225530	17.71	ug/l	100
47) tert-Amyl methyl ether	4.412	73	96190	11.40	ug/l	85
49) Dibromochloromethane	5.778	129	56995	18.32	ug/l	89
50) 2-Chloroethylvinylether	5.104	63	34581	16.26	ug/l	88
51) cis-1,3-Dichloropropene	5.194	75	81824	17.84	ug/l	92
52) trans-1,3-Dichloropropene	5.465	75	67469	17.65	ug/l	93
53) 1,1,2-Trichloroethane	5.568	97	49704	20.50	ug/l	98
54) 1,2-Dibromoethane	5.844	107	46612	17.72	ug/l	94
55) 1,3-Dichloropropane	5.652	76	88553	19.56	ug/l	94
56) 4-Methyl-2-Pentanone	5.261	43	69053	14.94	ug/l	99
57) 2-Hexanone	5.682	43	48651	14.93	ug/l	89
58) Tetrachloroethene	5.652	164	49009	19.71	ug/l	73
60) Toluene	5.369	92	125006	19.76	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.127	133	47938	19.68	ug/l	91
62) Chlorobenzene	6.091	112	130038	19.57	ug/l	99
64) Bromoform	6.524	173	44236	18.42	ug/l	96
65) Ethylbenzene	6.139	106	62169	21.12	ug/l	87
66) 1,1,2,2-Tetrachloroethane	6.741	83	64203	20.11	ug/l	79
68) Styrene	6.410	104	128765	20.73	ug/l	96
69) m&p-Xylenes	6.193	106	151413	40.94	ug/l	87

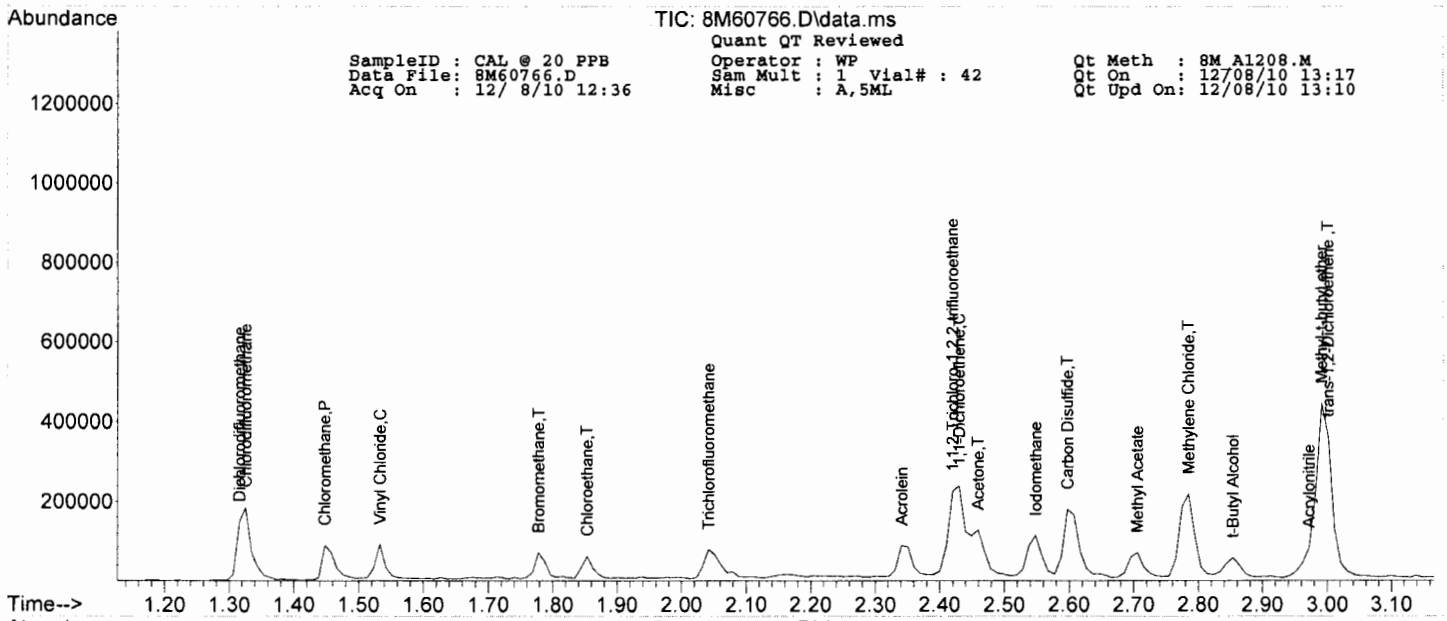
Quantitation Report (QT Reviewed)

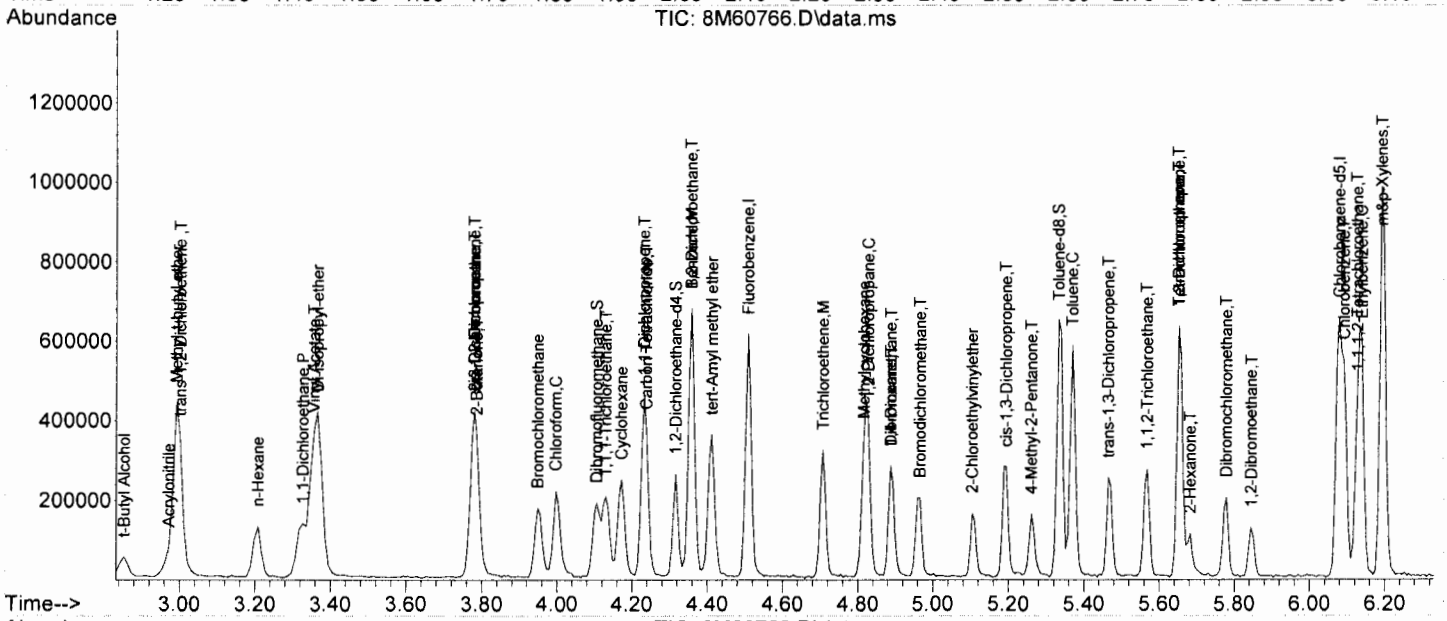
SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60766.D Sam Mult : 1 Vial# : 42 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 12:36 Misc : A,5ML Qt Upd On: 12/08/10 13:10

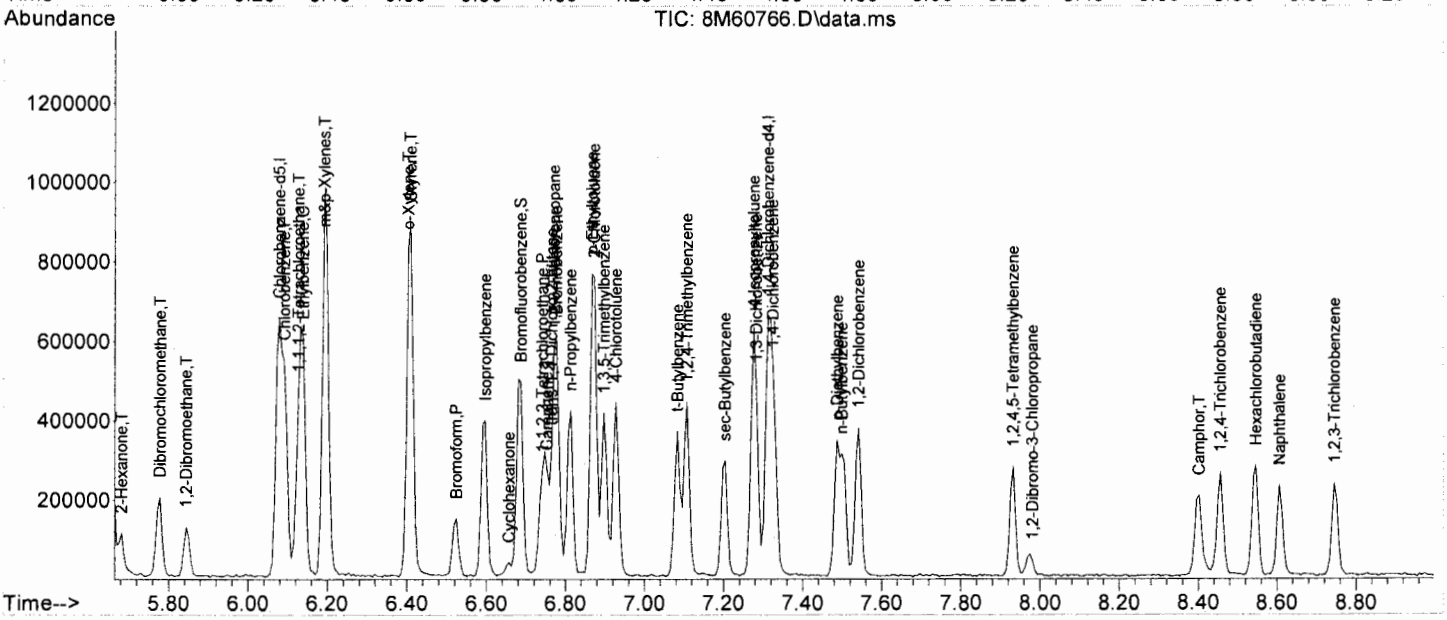
Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.404	106	70185	19.89 ug/l	77
71)	trans-1,4-Dichloro-2-b...	6.765	53	31442	19.65 ug/l	1
72)	1,3-Dichlorobenzene	7.283	146	97803	20.06 ug/l	97
73)	1,4-Dichlorobenzene	7.325	146	105543	21.40 ug/l	95
74)	1,2-Dichlorobenzene	7.541	146	95102	19.64 ug/l	98
75)	Isopropylbenzene	6.597	105	146522	17.99 ug/l	98
76)	Cyclohexanone	6.657	55	10306	76.91 ug/l	96
77)	Camphene	6.753	93	41596	17.96 ug/l	95
78)	1,2,3-Trichloropropane	6.771	75	71872	17.91 ug/l	90
79)	2-Chlorotoluene	6.873	91	145344	17.84 ug/l	98
80)	p-Ethyltoluene	6.867	105	162411	18.95 ug/l	99
81)	4-Chlorotoluene	6.928	91	146816	18.48 ug/l	99
82)	n-Propylbenzene	6.813	91	191654	19.66 ug/l	99
83)	Bromobenzene	6.777	77	141992	19.16 ug/l	90
84)	1,3,5-Trimethylbenzene	6.897	105	125714	19.54 ug/l	96
85)	t-Butylbenzene	7.084	119	112334	20.05 ug/l	97
86)	1,2,4-Trimethylbenzene	7.108	105	136340	19.25 ug/l	88
87)	sec-Butylbenzene	7.204	105	117906	17.35 ug/l	100
88)	4-Isopropyltoluene	7.277	119	104365	19.97 ug/l	97
89)	n-Butylbenzene	7.499	91	123950	19.61 ug/l	99
90)	p-Diethylbenzene	7.487	119	58108	18.75 ug/l	96
91)	1,2,4,5-Tetramethylben...	7.932	119	86367	16.49 ug/l	96
92)	1,2-Dibromo-3-Chloropr...	7.981	157	10762	17.02 ug/l	87
93)	Camphor	8.402	95	31397	123.76 ug/l	95
94)	Hexachlorobutadiene	8.546	225	50530	28.85 ug/l	95
95)	1,2,4-Trichlorobenzene	8.456	180	59324	20.77 ug/l	98
96)	1,2,3-Trichlorobenzene	8.745	180	56750	21.16 ug/l	95
97)	Naphthalene	8.606	128	107203	17.19 ug/l	100

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


Abundance
TIC: 8M60766.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 8M60766.D
Acq On : 12/ 8/10 12:36
Operator : WP
Sam Mult : 1 Vial# : 42
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 8M60766.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Time-->


Abundance
TIC: 8M60766.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
n-Propylbenzene
t-Butylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60761.D Sam Mult : 1 Vial# : 37 Qt On : 12/08/10 13:13
Acq On : 12/ 8/10 11:16 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	214411	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	151656	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	86278	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.099	111	62449	30.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.27%			
35) 1,2-Dichloroethane-d4	4.315	102	13675	29.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.90%			
59) Toluene-d8	5.332	100	130944	30.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.07%			
67) Bromofluorobenzene	6.686	174	87579	31.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.53%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.326	51	33197	5.75	ug/l	77
6) Dichlorodifluoromethane	1.316	85	18446	8.72	ug/l	83
7) Chloromethane	1.448	50	24484m	8.91	ug/l	
8) Bromomethane	1.778	94	6629	5.91	ug/l	85
9) Vinyl Chloride	1.533	62	13448	5.14	ug/l	97
10) Chloroethane	1.854	64	12306	7.75	ug/l	89
11) Trichlorofluoromethane	2.042	101	15224	3.95	ug/l	93
12) 1,1,2-Trichloro-1,2,2-...	2.419	101	8104	4.68	ug/l	93
13) Methylene Chloride	2.774	84	19116	5.82	ug/l	87
14) Acrolein	2.341	56	13910	31.55	ug/l	94
15) Acrylonitrile	2.961	53	6770	5.18	ug/l	89
16) Iodomethane	2.538	142	18406	5.29	ug/l	80
17) Acetone	2.459	43	37686	32.18	ug/l	89
18) Carbon Disulfide	2.597	76	53156	6.99	ug/l	100
19) t-Butyl Alcohol	2.853	59	4601	16.30	ug/l	30
20) n-Hexane	3.198	57	7776	3.54	ug/l	80
21) Di-isopropyl-ether	3.365	45	67226	4.77	ug/l	82
22) 1,1-Dichloroethene	2.419	61	24699	5.21	ug/l	93
23) Methyl Acetate	2.705	43	21758m	5.31	ug/l	
24) Methyl-t-butyl ether	2.991	73	29668	4.17	ug/l	88
25) 1,1-Dichloroethane	3.316	63	34644	5.70	ug/l	97
26) trans-1,2-Dichloroethene	2.991	96	17665	6.36	ug/l	84
27) cis-1,2-Dichloroethene	3.774	61	30091	5.57	ug/l	75
28) Bromochloromethane	3.948	49	21289	6.86	ug/l	95
29) 2,2-Dichloropropane	3.780	77	17877	5.30	ug/l	84
30) 1,4-Dioxane	4.731	88	224	8.45	ug/l	63
31) 1,1-Dichloropropene	4.231	75	16612	4.67	ug/l	88
32) Chloroform	3.990	83	28472	5.99	ug/l	86
34) Cyclohexane	4.165	56	11423	3.10	ug/l	94
36) 1,2-Dichloroethane	4.358	62	25307	5.52	ug/l	98
37) 2-Butanone	3.780	43	9749	5.19	ug/l	79
38) 1,1,1-Trichloroethane	4.123	97	19867	5.40	ug/l	77
39) Carbon Tetrachloride	4.231	117	16636	5.31	ug/l	94
40) Vinyl Acetate	3.346	43	73372	4.87	ug/l	100
41) Bromodichloromethane	4.965	83	22346	5.89	ug/l	96
42) Methylcyclohexane	4.815	83	7049	3.63	ug/l	92
43) Dibromomethane	4.887	174	14597	6.56	ug/l	87
44) 1,2-Dichloropropane	4.827	63	17060	5.86	ug/l	92
45) Trichloroethene	4.707	130	14848	5.80	ug/l	97
46) Benzene	4.358	78	60624	6.01	ug/l	100
47) tert-Amyl methyl ether	4.412	73	23606	3.53	ug/l	82
49) Dibromochloromethane	5.778	129	14945	5.94	ug/l	98
50) 2-Chloroethylvinylether	5.104	63	6330	3.68	ug/l	89
51) cis-1,3-Dichloropropene	5.194	75	18121	4.89	ug/l	86
52) trans-1,3-Dichloropropene	5.465	75	15566	5.04	ug/l	93
53) 1,1,2-Trichloroethane	5.567	97	12714	6.48	ug/l	93
54) 1,2-Dibromoethane	5.844	107	14353	6.75	ug/l	87
55) 1,3-Dichloropropane	5.651	76	25389	6.93	ug/l	84
56) 4-Methyl-2-Pentanone	5.260	43	15600	4.17	ug/l	82
57) 2-Hexanone	5.681	43	10620	4.03	ug/l	92
58) Tetrachloroethene	5.651	164	12060	6.00	ug/l	85
60) Toluene	5.368	92	34696	6.78	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.127	133	12704	6.45	ug/l	95
62) Chlorobenzene	6.091	112	36696	6.83	ug/l	98
64) Bromoform	6.524	173	12848	6.48	ug/l	98
65) Ethylbenzene	6.139	106	11589	4.77	ug/l	50
66) 1,1,2,2-Tetrachloroethane	6.740	83	17423	6.61	ug/l	96
68) Styrene	6.410	104	29877	5.83	ug/l	95
69) m&p-Xylenes	6.193	106	36915	12.09	ug/l	95

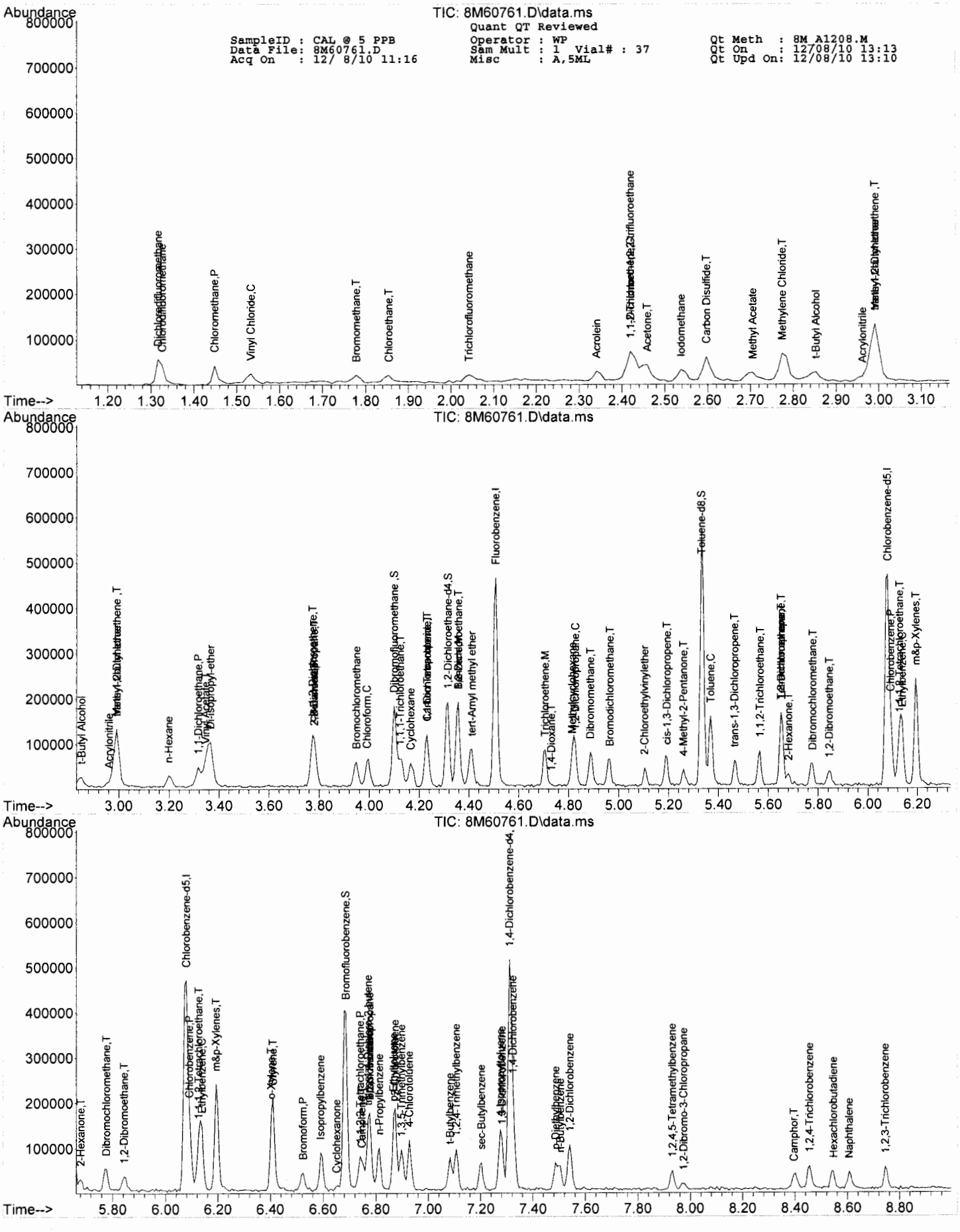
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60761.D Sam Mult : 1 Vial# : 37 Qt On : 12/08/10 13:13
Acq On : 12/ 8/10 11:16 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.403	106	16350	5.61 ug/l	79
71) trans-1,4-Dichloro-2-b...	6.771	53	6622	5.01 ug/l	15
72) 1,3-Dichlorobenzene	7.282	146	25505	6.34 ug/l	96
73) 1,4-Dichlorobenzene	7.324	146	26597	6.53 ug/l	85
74) 1,2-Dichlorobenzene	7.541	146	27604	6.91 ug/l	95
75) Isopropylbenzene	6.590	105	28318	4.21 ug/l	96
76) Cyclohexanone	6.650	55	2797	25.28 ug/l	78
77) Camphene	6.747	93	6368	3.33 ug/l	96
78) 1,2,3-Trichloropropane	6.777	75	19066	5.75 ug/l	92
79) 2-Chlorotoluene	6.873	91	39360	5.85 ug/l	97
80) p-Ethyltoluene	6.867	105	33751	4.77 ug/l	93
81) 4-Chlorotoluene	6.927	91	41032	6.26 ug/l	95
82) n-Propylbenzene	6.813	91	40752	5.06 ug/l	98
83) Bromobenzene	6.777	77	39117	6.39 ug/l	88
84) 1,3,5-Trimethylbenzene	6.897	105	31032	5.84 ug/l	90
85) t-Butylbenzene	7.083	119	20346	4.40 ug/l	91
86) 1,2,4-Trimethylbenzene	7.108	105	31885	5.45 ug/l	85
87) sec-Butylbenzene	7.204	105	23160	4.13 ug/l	97
88) 4-Isopropyltoluene	7.276	119	17860	4.14 ug/l	95
89) n-Butylbenzene	7.505	91	21971	4.21 ug/l	92
90) p-Diethylbenzene	7.487	119	10150	3.97 ug/l	78
91) 1,2,4,5-Tetramethylben...	7.932	119	14276	3.30 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	7.974	157	2508	4.80 ug/l	57
93) Camphor	8.395	95	6007	28.68 ug/l	85
94) Hexachlorobutadiene	8.546	225	7384	5.11 ug/l	92
95) 1,2,4-Trichlorobenzene	8.455	180	12724	5.40 ug/l	89
96) 1,2,3-Trichlorobenzene	8.744	180	11170	5.04 ug/l	96
97) Naphthalene	8.606	128	18722	3.64 ug/l	100

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


TIC: 8M60761.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 8M60761.D
Acq On : 12/ 8/10 11:16
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:13
Qt Upd On: 12/08/10 13:10
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60767.D Sam Mult : 1 Vial# : 43 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 12:52 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	264588	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	182623	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	104449	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	73932	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.10%			
35) 1,2-Dichloroethane-d4	4.315	102	16001	27.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.83%			
59) Toluene-d8	5.338	100	157505	30.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.93%			
67) Bromofluorobenzene	6.686	174	108568	32.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.321	51	63743	8.94	ug/l	77
6) Dichlorodifluoromethane	1.321	85	35179	13.47	ug/l	97
7) Chloromethane	1.453	50	46556	13.73	ug/l	75
8) Bromomethane	1.783	94	15222	11.00	ug/l	93
9) Vinyl Chloride	1.528	62	29574	9.17	ug/l	88
10) Chloroethane	1.858	64	21719	11.08	ug/l	90
11) Trichlorofluoromethane	2.047	101	32884	6.91	ug/l	83
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	20631	9.65	ug/l	92
13) Methylene Chloride	2.784	84	44665	11.03	ug/l	85
14) Acrolein	2.341	56	34380	63.19	ug/l	99
15) Acrylonitrile	2.962	53	15715	9.75	ug/l	93
16) Iodomethane	2.548	142	53735	12.52	ug/l	87
17) Acetone	2.459	43	73874	51.12	ug/l	94
18) Carbon Disulfide	2.607	76	109827	11.70	ug/l	100
19) t-Butyl Alcohol	2.853	59	9092	26.10	ug/l	73
20) n-Hexane	3.208	57	19279	7.12	ug/l	79
21) Di-isopropyl-ether	3.366	45	151064	8.69	ug/l	87
22) 1,1-Dichloroethene	2.429	61	53127	9.07	ug/l	87
23) Methyl Acetate	2.705	43	37589	7.43	ug/l	100
24) Methyl-t-butyl ether	2.991	73	62269	7.10	ug/l	92
25) 1,1-Dichloroethane	3.326	63	69022	9.21	ug/l	99
26) trans-1,2-Dichloroethene	2.991	96	33291	9.71	ug/l	73
27) cis-1,2-Dichloroethene	3.780	61	60408	9.06	ug/l	94
28) Bromochloromethane	3.948	49	35528	9.27	ug/l	80
29) 2,2-Dichloropropane	3.786	77	33977	8.17	ug/l	91
30) 1,4-Dioxane	4.887	88	13722	419.50	ug/l	74
31) 1,1-Dichloropropene	4.231	75	42871	9.77	ug/l	91
32) Chloroform	4.002	83	54571	9.31	ug/l	98
34) Cyclohexane	4.171	56	33848	7.44	ug/l	84
36) 1,2-Dichloroethane	4.364	62	51187	9.04	ug/l	95
37) 2-Butanone	3.792	43	19167	8.27	ug/l	79
38) 1,1,1-Trichloroethane	4.129	97	40456	8.92	ug/l	91
39) Carbon Tetrachloride	4.237	117	33955	8.78	ug/l	84
40) Vinyl Acetate	3.356	43	174301	9.38	ug/l	100
41) Bromodichloromethane	4.965	83	43873	9.36	ug/l	97
42) Methylcyclohexane	4.815	83	18499	7.71	ug/l	93
43) Dibromomethane	4.887	174	29766	10.84	ug/l	82
44) 1,2-Dichloropropane	4.827	63	35452	9.86	ug/l	84
45) Trichloroethene	4.707	130	31425	9.96	ug/l	97
46) Benzene	4.357	78	124314	9.98	ug/l	100
47) tert-Amyl methyl ether	4.412	73	52846	6.40	ug/l	87
49) Dibromochloromethane	5.778	129	30560	10.09	ug/l	92
50) 2-Chloroethylvinylether	5.110	63	17652	8.52	ug/l	79
51) cis-1,3-Dichloropropene	5.194	75	41659	9.33	ug/l	94
52) trans-1,3-Dichloropropene	5.471	75	33173	8.91	ug/l	92
53) 1,1,2-Trichloroethane	5.567	97	25692	10.88	ug/l	88
54) 1,2-Dibromoethane	5.844	107	27027	10.55	ug/l	88
55) 1,3-Dichloropropane	5.657	76	46939	10.65	ug/l	93
56) 4-Methyl-2-Pentanone	5.260	43	38372	8.53	ug/l	85
57) 2-Hexanone	5.681	43	26012	8.20	ug/l	94
58) Tetrachloroethene	5.657	164	27024	11.16	ug/l	93
60) Toluene	5.368	92	69372	11.26	ug/l	93
61) 1,1,1,2-Tetrachloroethane	6.127	133	25869	10.91	ug/l	94
62) Chlorobenzene	6.091	112	72149	11.15	ug/l	92
64) Bromoform	6.524	173	25237	10.52	ug/l	99
65) Ethylbenzene	6.139	106	35408	12.03	ug/l	98
66) 1,1,2,2-Tetrachloroethane	6.740	83	36276	11.37	ug/l	93
68) Styrene	6.409	104	66983	10.79	ug/l	95
69) m&p-Xylenes	6.199	106	80225	21.70	ug/l	90

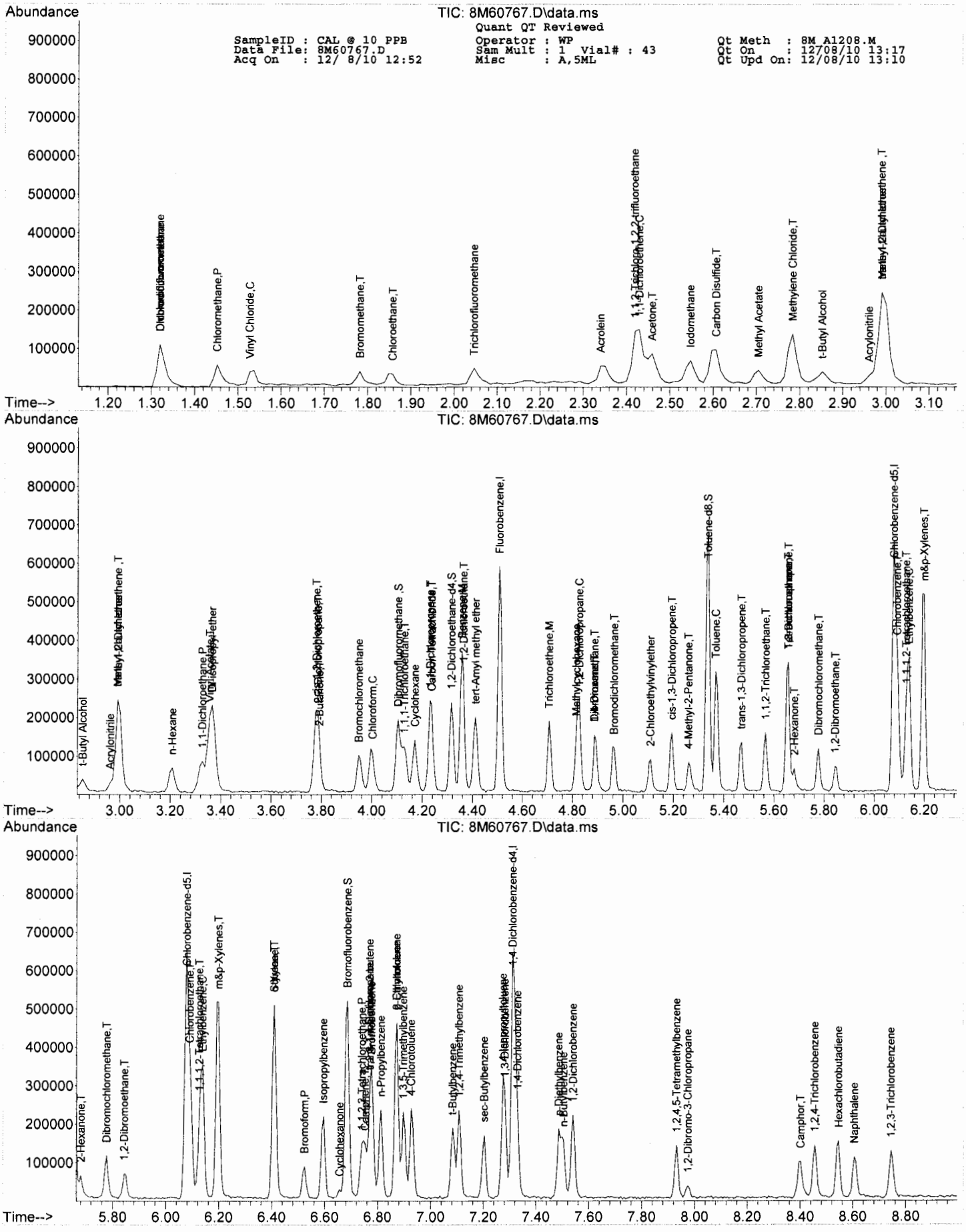
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60767.D Sam Mult : 1 Vial# : 43 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 12:52 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.409	106	41104	11.66	ug/l	97
71)	trans-1,4-Dichloro-2-b...	6.771	53	14762	9.23	ug/l	9
72)	1,3-Dichlorobenzene	7.282	146	55016	11.29	ug/l	95
73)	1,4-Dichlorobenzene	7.330	146	63313	12.84	ug/l	92
74)	1,2-Dichlorobenzene	7.541	146	55168	11.40	ug/l	98
75)	Isopropylbenzene	6.596	105	77987	9.58	ug/l	96
76)	Cyclohexanone	6.656	55	6589	49.20	ug/l	86
77)	Camphene	6.752	93	18775	8.11	ug/l	100
78)	1,2,3-Trichloropropane	6.771	75	39832	9.93	ug/l	93
79)	2-Chlorotoluene	6.873	91	90776	11.15	ug/l	94
80)	p-Ethyltoluene	6.873	105	83839	9.79	ug/l	95
81)	4-Chlorotoluene	6.927	91	85064	10.71	ug/l	92
82)	n-Propylbenzene	6.813	91	102753	10.54	ug/l	97
83)	Bromobenzene	6.777	77	79688	10.76	ug/l	87
84)	1,3,5-Trimethylbenzene	6.897	105	69830	10.86	ug/l	94
85)	t-Butylbenzene	7.083	119	54389	9.71	ug/l	89
86)	1,2,4-Trimethylbenzene	7.108	105	72919	10.30	ug/l	92
87)	sec-Butylbenzene	7.204	105	63633	9.37	ug/l	100
88)	4-Isopropyltoluene	7.276	119	51826	9.92	ug/l	93
89)	n-Butylbenzene	7.505	91	63052	9.98	ug/l	98
90)	p-Diethylbenzene	7.487	119	30074	9.71	ug/l	94
91)	1,2,4,5-Tetramethylben...	7.932	119	42929	8.20	ug/l	99
92)	1,2-Dibromo-3-Chloropr...	7.974	157	4169	6.60	ug/l	80
93)	Camphor	8.401	95	15653	61.73	ug/l	92
94)	Hexachlorobutadiene	8.546	225	25358	14.48	ug/l	98
95)	1,2,4-Trichlorobenzene	8.455	180	30941	10.84	ug/l	97
96)	1,2,3-Trichlorobenzene	8.744	180	29810	11.12	ug/l	95
97)	Naphthalene	8.606	128	56980	9.14	ug/l	100

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


Abundance
TIC: 8M60767.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 8M60767.D
Acq On : 12/ 8/10 12:52
Operator : WP
Sam Mult : 1 Vial# : 43
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60765.D Sam Mult : 1 Vial# : 41 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 12:20 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	272797	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.080	117	190257	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	114989	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.106	111	74822	28.89	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.30%		
35) 1,2-Dichloroethane-d4	4.317	102	16804	28.36	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.53%		
59) Toluene-d8	5.334	100	169385	31.57	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.23%		
67) Bromofluorobenzene	6.682	174	105448	28.33	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.43%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.324	51	289032	39.34	ug/l	79
6) Dichlorodifluoromethane	1.314	85	165752	61.55	ug/l	95
7) Chloromethane	1.456	50	194721	55.69	ug/l	84
8) Bromomethane	1.776	94	72970	51.12	ug/l	98
9) Vinyl Chloride	1.531	62	129444	38.91	ug/l	99
10) Chloroethane	1.852	64	80083	39.63	ug/l	100
11) Trichlorofluoromethane	2.050	101	147690	30.10	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.421	101	82475	37.43	ug/l	92
13) Methylene Chloride	2.786	84	175210	41.96	ug/l	90
14) Acrolein	2.342	56	144467	257.54	ug/l	92
15) Acrylonitrile	2.963	53	70228	42.26	ug/l	91
16) Iodomethane	2.549	142	241479	54.59	ug/l	99
17) Acetone	2.460	43	275963	185.21	ug/l	94
18) Carbon Disulfide	2.598	76	513259	53.04	ug/l	100
19) t-Butyl Alcohol	2.855	59	49452	137.68	ug/l	92
20) n-Hexane	3.209	57	96127	34.41	ug/l	84
21) Di-isopropyl-ether	3.367	45	701552	39.16	ug/l	83
22) 1,1-Dichloroethene	2.431	61	218648	36.22	ug/l	95
23) Methyl Acetate	2.707	43	170673	32.73	ug/l	100
24) Methyl-t-butyl ether	2.993	73	297746	32.92	ug/l	89
25) 1,1-Dichloroethane	3.318	63	321466	41.58	ug/l	99
26) trans-1,2-Dichloroethene	2.993	96	154682	43.75	ug/l	73
27) cis-1,2-Dichloroethene	3.781	61	281426	40.92	ug/l	92
28) Bromochloromethane	3.950	49	173269	43.85	ug/l	82
29) 2,2-Dichloropropane	3.787	77	162561	37.90	ug/l	91
30) 1,4-Dioxane	4.888	88	73502	2179.43	ug/l	76
31) 1,1-Dichloropropene	4.232	75	197058	43.57	ug/l	98
32) Chloroform	3.998	83	257276	42.57	ug/l	96
34) Cyclohexane	4.172	56	178337	38.02	ug/l	83
36) 1,2-Dichloroethane	4.359	62	232405	39.83	ug/l	99
37) 2-Butanone	3.781	43	98122	41.08	ug/l	82
38) 1,1,1-Trichloroethane	4.130	97	189749	40.57	ug/l	92
39) Carbon Tetrachloride	4.239	117	161521	40.53	ug/l	93
40) Vinyl Acetate	3.347	43	819012	42.77	ug/l	100
41) Bromodichloromethane	4.961	83	197457	40.87	ug/l	95
42) Methylcyclohexane	4.816	83	91741	37.08	ug/l	93
43) Dibromomethane	4.888	174	133320	47.11	ug/l	93
44) 1,2-Dichloropropane	4.828	63	161491	43.56	ug/l	95
45) Trichloroethene	4.708	130	145620	44.75	ug/l	97
46) Benzene	4.359	78	562979	43.85	ug/l	100
47) tert-Amyl methyl ether	4.413	73	254023	29.86	ug/l	86
49) Dibromochloromethane	5.779	129	145662	46.16	ug/l	95
50) 2-Chloroethylvinylether	5.105	63	92344	42.80	ug/l	88
51) cis-1,3-Dichloropropene	5.189	75	221893	47.70	ug/l	94
52) trans-1,3-Dichloropropene	5.466	75	189708	48.93	ug/l	97
53) 1,1,2-Trichloroethane	5.568	97	121805	49.52	ug/l	93
54) 1,2-Dibromoethane	5.845	107	129311	48.45	ug/l	96
55) 1,3-Dichloropropane	5.653	76	223075	48.56	ug/l	94
56) 4-Methyl-2-Pentanone	5.261	43	196717	41.95	ug/l	87
57) 2-Hexanone	5.677	43	131756	39.87	ug/l	82
58) Tetrachloroethene	5.653	164	117985	46.77	ug/l	99
60) Toluene	5.370	92	313949	48.92	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.128	133	127760	51.70	ug/l	95
62) Chlorobenzene	6.092	112	330305	49.01	ug/l	98
64) Bromoform	6.525	173	119154	45.10	ug/l	96
65) Ethylbenzene	6.140	106	139023	42.92	ug/l	68
66) 1,1,2,2-Tetrachloroethane	6.742	83	150327	42.80	ug/l	89
68) Styrene	6.411	104	331544	48.51	ug/l	98
69) m&p-Xylenes	6.194	106	367343	90.27	ug/l	91

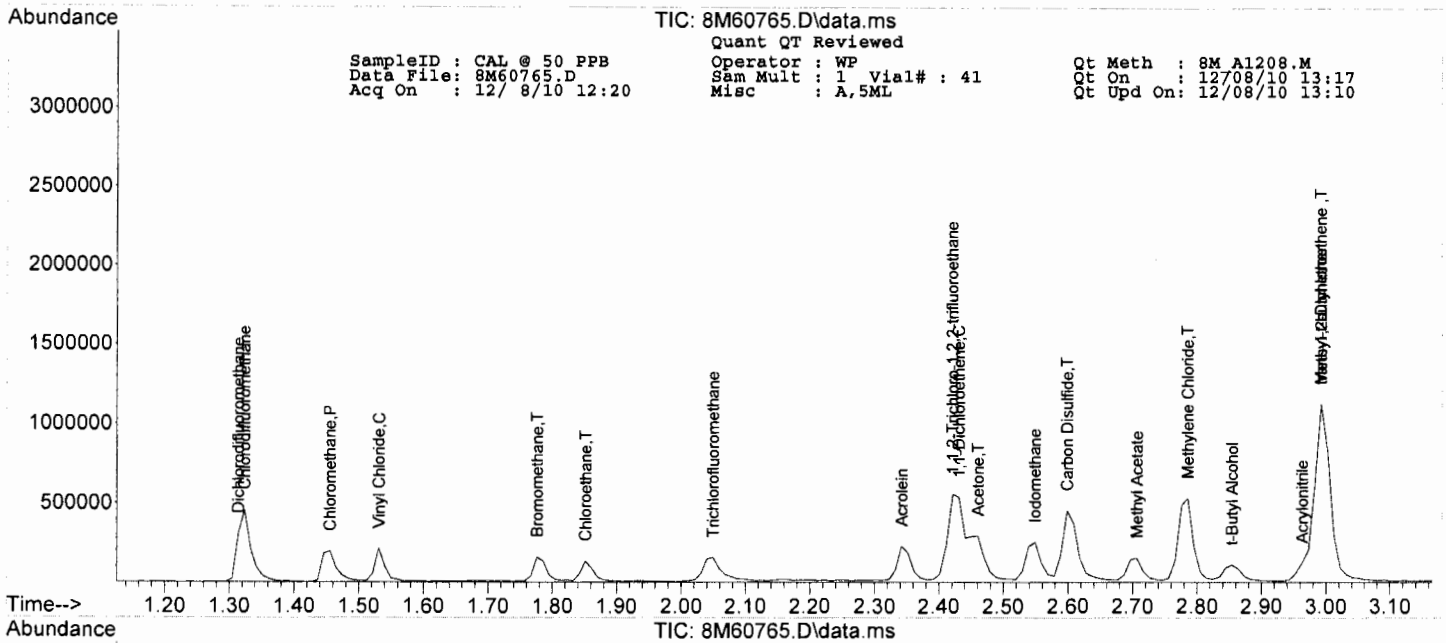
Quantitation Report (QT Reviewed)

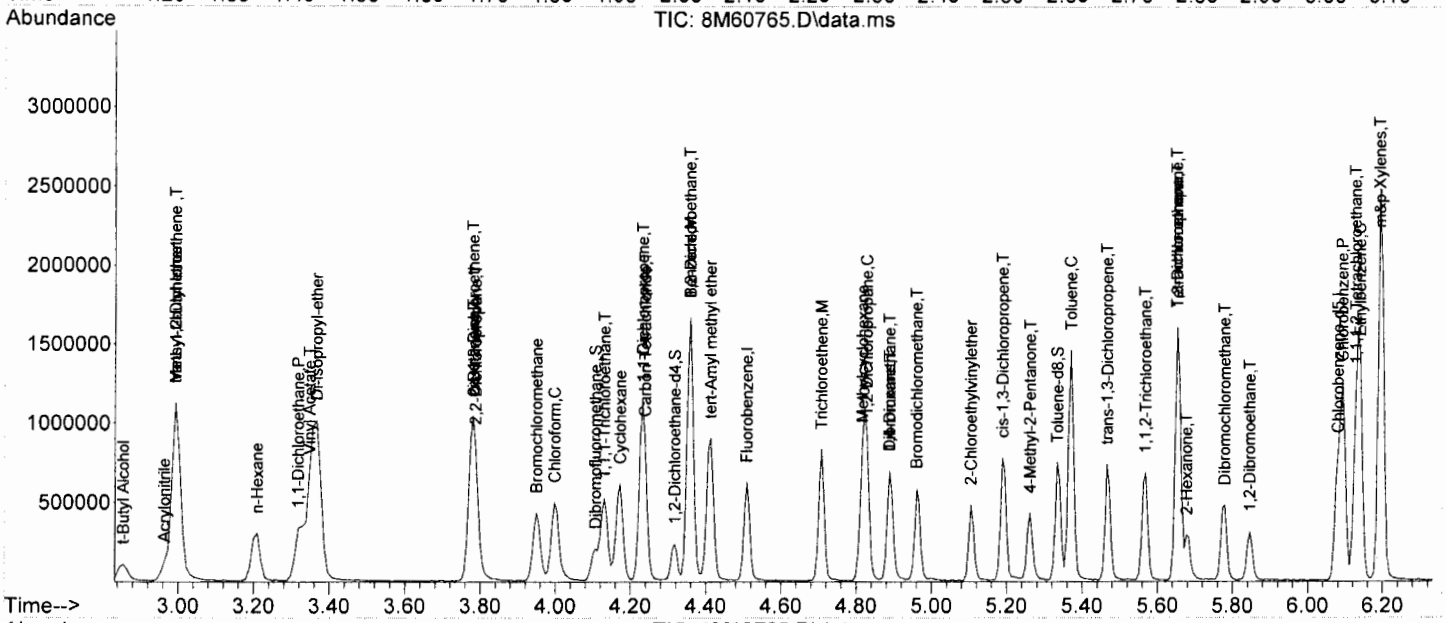
SampleID : CAL @ 50 PPB
Data File: 8M60765.D
Acq On : 12/ 8/10 12:20
Operator : WP
Sam Mult : 1 Vial# : 41
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10

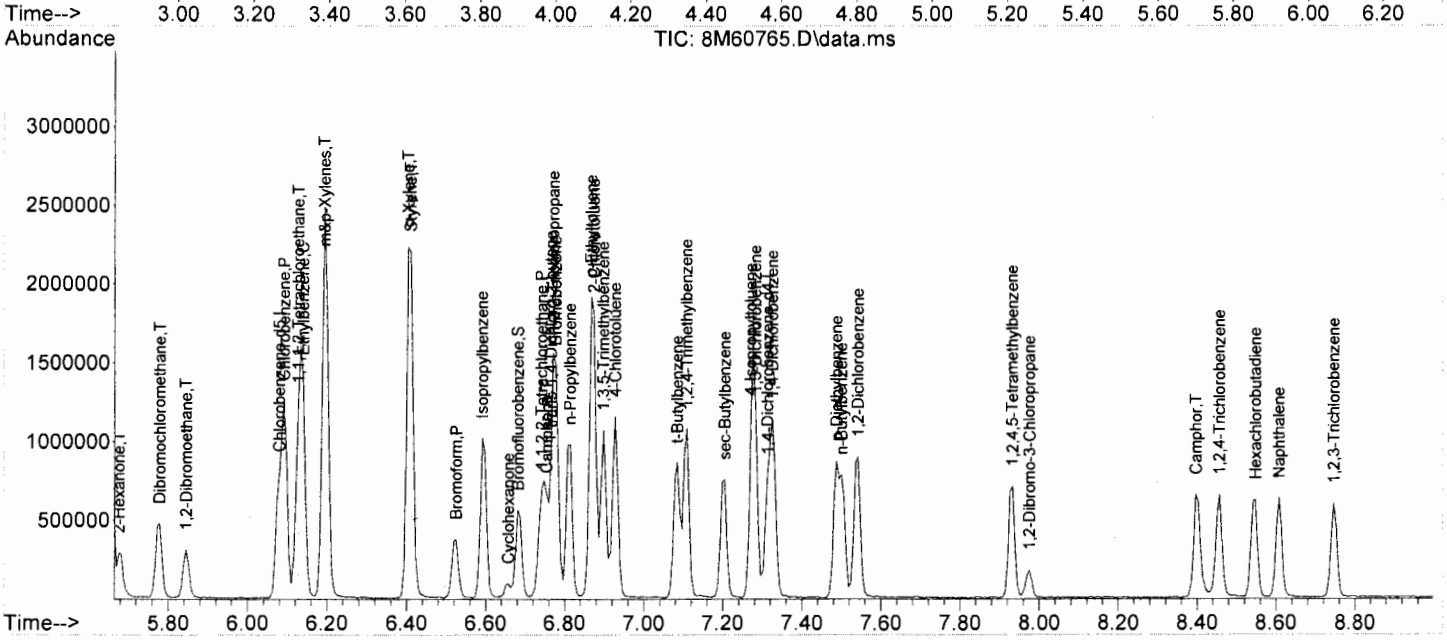
Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.405	106	183163	47.18	ug/l	86
71)	trans-1,4-Dichloro-2-b...	6.766	53	76430	43.41	ug/l	1
72)	1,3-Dichlorobenzene	7.283	146	252678	47.11	ug/l	99
73)	1,4-Dichlorobenzene	7.325	146	256477	47.26	ug/l	98
74)	1,2-Dichlorobenzene	7.542	146	246978	46.37	ug/l	98
75)	Isopropylbenzene	6.591	105	387850	43.28	ug/l	99
76)	Cyclohexanone	6.658	55	24849	168.53	ug/l	88
77)	Camphene	6.754	93	106694	41.88	ug/l	87
78)	1,2,3-Trichloropropane	6.772	75	179994	40.76	ug/l	92
79)	2-Chlorotoluene	6.874	91	380672	42.47	ug/l	96
80)	p-Ethyltoluene	6.868	105	402593	42.70	ug/l	99
81)	4-Chlorotoluene	6.928	91	408384	46.72	ug/l	96
82)	n-Propylbenzene	6.814	91	485632	45.27	ug/l	100
83)	Bromobenzene	6.778	77	354092	43.42	ug/l	90
84)	1,3,5-Trimethylbenzene	6.898	105	315097	44.50	ug/l	95
85)	t-Butylbenzene	7.085	119	274720	44.57	ug/l	91
86)	1,2,4-Trimethylbenzene	7.109	105	361733	46.43	ug/l	87
87)	sec-Butylbenzene	7.205	105	328597	43.95	ug/l	95
88)	4-Isopropyltoluene	7.271	119	258028	44.87	ug/l	94
89)	n-Butylbenzene	7.500	91	310002	44.58	ug/l	98
90)	p-Diethylbenzene	7.488	119	159283	46.71	ug/l	95
91)	1,2,4,5-Tetramethylben...	7.933	119	243422	42.25	ug/l	95
92)	1,2-Dibromo-3-Chloropr...	7.975	157	29359	42.20	ug/l	99
93)	Camphor	8.397	95	98748	353.75	ug/l	96
94)	Hexachlorobutadiene	8.547	225	111412	57.81	ug/l	98
95)	1,2,4-Trichlorobenzene	8.457	180	150077	47.76	ug/l	98
96)	1,2,3-Trichlorobenzene	8.746	180	137712	46.66	ug/l	97
97)	Naphthalene	8.607	128	298337	43.48	ug/l	100

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


Abundance
TIC: 8M60765.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 8M60765.D
Acq On : 12/ 8/10 12:20
Operator : WP
Sam Mult : 1 Vial# : 41
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 8M60765.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Time-->


Abundance
TIC: 8M60765.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60764.D Sam Mult : 1 Vial# : 40 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 12:04 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	262974	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	185512	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	101405	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	72910	29.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.33%			
35) 1,2-Dichloroethane-d4	4.316	102	15594	27.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.00%			
59) Toluene-d8	5.339	100	162281	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.40%			
67) Bromofluorobenzene	6.687	174	107751	32.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.43%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.320	51	623840	88.07	ug/l	78
6) Dichlorodifluoromethane	1.320	85	350007	134.83	ug/l	91
7) Chloromethane	1.452	50	414317	122.93	ug/l	85
8) Bromomethane	1.782	94	155248	112.83	ug/l	96
9) Vinyl Chloride	1.528	62	279117	87.04	ug/l	91
10) Chloroethane	1.848	64	167347	85.90	ug/l	98
11) Trichlorofluoromethane	2.046	101	314678	66.53	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	178803	84.19	ug/l	92
13) Methylene Chloride	2.784	84	356379	88.54	ug/l	93
14) Acrolein	2.341	56	303637	561.51	ug/l	99
15) Acrylonitrile	2.962	53	145541	90.86	ug/l	89
16) Iodomethane	2.548	142	473293	110.99	ug/l	92
17) Acetone	2.459	43	536281	373.36	ug/l	94
18) Carbon Disulfide	2.597	76	1072578	114.97	ug/l	100
19) t-Butyl Alcohol	2.853	59	97395	281.28	ug/l	95
20) n-Hexane	3.208	57	235229	87.36	ug/l	93
21) Di-isopropyl-ether	3.366	45	1540698	89.22	ug/l	80
22) 1,1-Dichloroethene	2.430	61	452821	77.82	ug/l	94
23) Methyl Acetate	2.705	43	355655	70.75	ug/l	100
24) Methyl-t-butyl ether	2.991	73	605104	69.39	ug/l	88
25) 1,1-Dichloroethane	3.326	63	676623	90.79	ug/l	93
26) trans-1,2-Dichloroethene	3.001	96	317791	93.24	ug/l	83
27) cis-1,2-Dichloroethene	3.780	61	581735	87.75	ug/l	94
28) Bromochloromethane	3.949	49	341571	89.68	ug/l	84
29) 2,2-Dichloropropane	3.780	77	354178	85.65	ug/l	97
30) 1,4-Dioxane	4.893	88	136961	4212.77	ug/l	72
31) 1,1-Dichloropropene	4.231	75	414692	95.12	ug/l	98
32) Chloroform	3.997	83	530163	91.01	ug/l	99
34) Cyclohexane	4.171	56	413906	91.53	ug/l	81
36) 1,2-Dichloroethane	4.358	62	470797	83.70	ug/l	98
37) 2-Butanone	3.780	43	196672	85.41	ug/l	83
38) 1,1,1-Trichloroethane	4.129	97	408258	90.54	ug/l	97
39) Carbon Tetrachloride	4.237	117	350316	91.18	ug/l	92
40) Vinyl Acetate	3.346	43	1716496	92.98	ug/l	100
41) Bromodichloromethane	4.960	83	412255	88.52	ug/l	100
42) Methylcyclohexane	4.815	83	217707	91.29	ug/l	96
43) Dibromomethane	4.887	174	269396	98.74	ug/l	90
44) 1,2-Dichloropropane	4.827	63	340792	95.36	ug/l	100
45) Trichloroethene	4.707	130	303401	96.71	ug/l	97
46) Benzene	4.358	78	1164927	94.12	ug/l	100
47) tert-Amyl methyl ether	4.412	73	516264	62.94	ug/l	85
49) Dibromochloromethane	5.778	129	302790	98.41	ug/l	99
50) 2-Chloroethylvinylether	5.104	63	202240	96.13	ug/l	86
51) cis-1,3-Dichloropropene	5.194	75	465159	102.56	ug/l	93
52) trans-1,3-Dichloropropene	5.471	75	426507	112.81	ug/l	96
53) 1,1,2-Trichloroethane	5.567	97	241792	100.82	ug/l	95
54) 1,2-Dibromoethane	5.844	107	261343	100.42	ug/l	97
55) 1,3-Dichloropropane	5.658	76	444696	99.29	ug/l	96
56) 4-Methyl-2-Pentanone	5.260	43	412556	90.23	ug/l	97
57) 2-Hexanone	5.682	43	278150	86.33	ug/l	84
58) Tetrachloroethene	5.652	164	246059	100.03	ug/l	95
60) Toluene	5.369	92	627919	100.35	ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.127	133	254349	105.57	ug/l	96
62) Chlorobenzene	6.091	112	684108	104.11	ug/l	95
64) Bromoform	6.524	173	249464	107.08	ug/l	98
65) Ethylbenzene	6.139	106	312358	109.35	ug/l	85
66) 1,1,2,2-Tetrachloroethane	6.741	83	321266	103.73	ug/l	87
68) Styrene	6.410	104	651180	108.04	ug/l	90
69) m&p-Xylenes	6.199	106	727194	202.63	ug/l	100

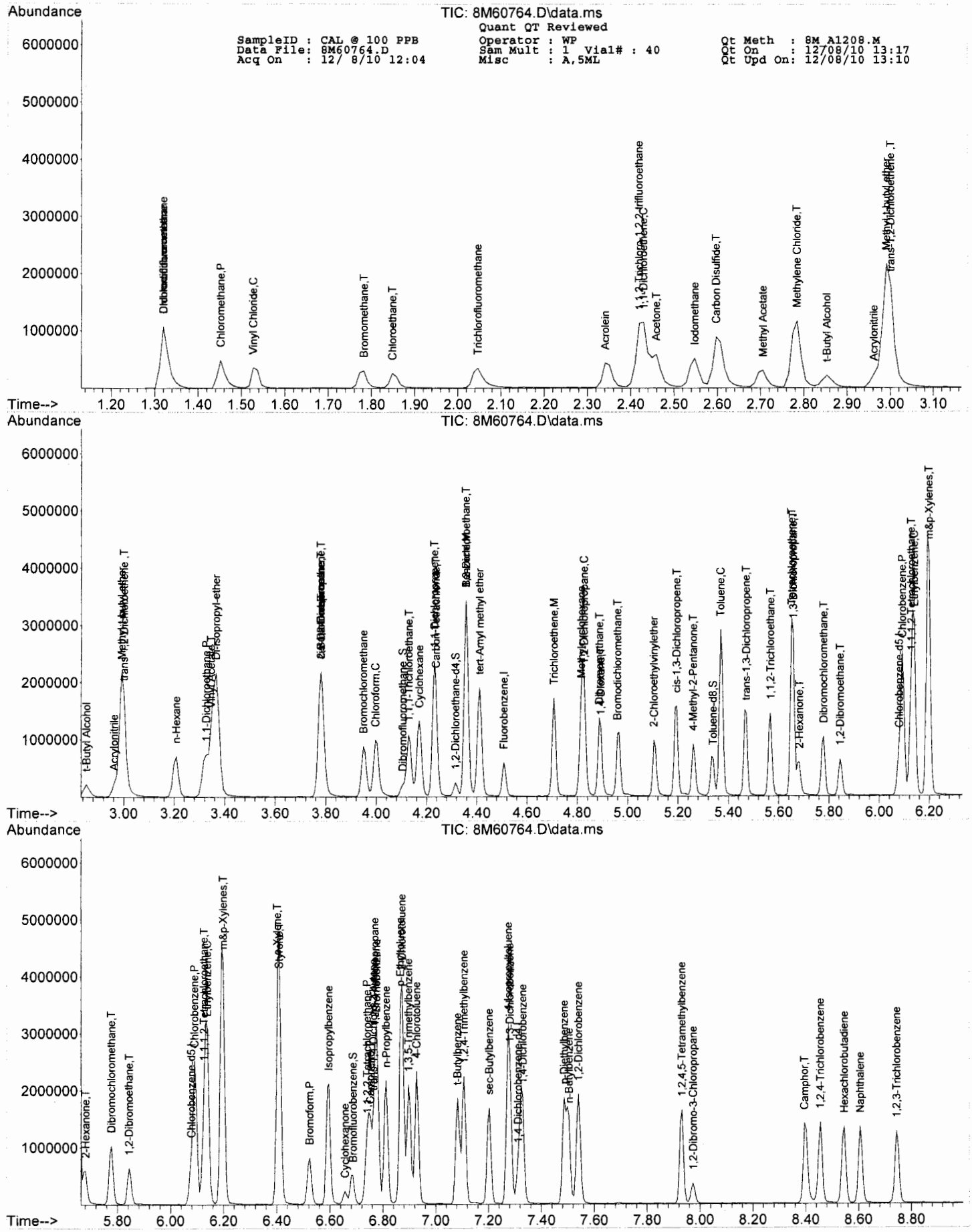
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60764.D Sam Mult : 1 Vial# : 40 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 12:04 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.404	106	355655	103.88	ug/l	68
71) trans-1,4-Dichloro-2-b...	6.765	53	156137	100.55	ug/l	1
72) 1,3-Dichlorobenzene	7.282	146	493921	104.42	ug/l	99
73) 1,4-Dichlorobenzene	7.330	146	521784	109.02	ug/l	98
74) 1,2-Dichlorobenzene	7.541	146	515276	109.70	ug/l	98
75) Isopropylbenzene	6.596	105	824833	104.38	ug/l	99
76) Cyclohexanone	6.656	55	61729	474.73	ug/l	96
77) Camphene	6.753	93	237807	105.84	ug/l	90
78) 1,2,3-Trichloropropane	6.771	75	371488	95.38	ug/l	90
79) 2-Chlorotoluene	6.873	91	763328	96.56	ug/l	97
80) p-Ethyltoluene	6.867	105	829999	99.83	ug/l	96
81) 4-Chlorotoluene	6.927	91	806464	104.62	ug/l	97
82) n-Propylbenzene	6.813	91	1010588	106.82	ug/l	99
83) Bromobenzene	6.777	77	730987	101.64	ug/l	87
84) 1,3,5-Trimethylbenzene	6.897	105	674440	108.02	ug/l	94
85) t-Butylbenzene	7.084	119	583748	107.38	ug/l	92
86) 1,2,4-Trimethylbenzene	7.108	105	737871	107.40	ug/l	89
87) sec-Butylbenzene	7.204	105	688100	104.35	ug/l	98
88) 4-Isopropyltoluene	7.276	119	552397	108.93	ug/l	94
89) n-Butylbenzene	7.505	91	674681	110.01	ug/l	99
90) p-Diethylbenzene	7.487	119	339193	112.79	ug/l	99
91) 1,2,4,5-Tetramethylben...	7.932	119	539893	106.26	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	7.974	157	59214	96.51	ug/l	97
93) Camphor	8.396	95	210867	856.59	ug/l	90
94) Hexachlorobutadiene	8.546	225	223070	131.24	ug/l	99
95) 1,2,4-Trichlorobenzene	8.456	180	317877	114.71	ug/l	97
96) 1,2,3-Trichlorobenzene	8.745	180	287652	110.51	ug/l	96
97) Naphthalene	8.606	128	622405	102.86	ug/l	100

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


Abundance
TIC: 8M60764.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 8M60764.D
Acq On : 12/ 8/10 12:04
Operator : WP
Sam Mult : 1 Vial# : 40
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 8M60764.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,S
Chlorobenzene,P
m&p-Xylenes,T
Time-->

Abundance
TIC: 8M60764.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,S
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60763.D Sam Mult : 1 Vial# : 39 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 11:48 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	256770	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	175451	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	94488	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	66635	27.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.10%			
35) 1,2-Dichloroethane-d4	4.316	102	15561	27.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.00%			
59) Toluene-d8	5.333	100	157426	31.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.07%			
67) Bromofluorobenzene	6.687	174	103085	33.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.33%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.323	51	1560140	225.58	ug/l	79
6) Dichlorodifluoromethane	1.313	85	885125	349.22	ug/l	91
7) Chloromethane	1.455	50	1029013	312.68	ug/l	87
8) Bromomethane	1.766	94	382716	284.86	ug/l	99
9) Vinyl Chloride	1.530	62	702544	224.37	ug/l	96
10) Chloroethane	1.851	64	408957	215.00	ug/l	95
11) Trichlorofluoromethane	2.039	101	804385	174.16	ug/l	100
12) 1,1,2-Trichloro-1,2,2-...	2.420	101	449954	216.97	ug/l	96
13) Methylene Chloride	2.785	84	842436	214.34	ug/l	91
14) Acrolein	2.342	56	729573	1381.78	ug/l	99
15) Acrylonitrile	2.962	53	355274	227.15	ug/l	99
16) Iodomethane	2.549	142	1258424	302.23	ug/l	99
17) Acetone	2.460	43	1324543	944.43	ug/l	95
18) Carbon Disulfide	2.598	76	2628915	288.61	ug/l	100
19) t-Butyl Alcohol	2.854	59	243209	719.37	ug/l	95
20) n-Hexane	3.209	57	569363	216.55	ug/l	90
21) Di-isopropyl-ether	3.366	45	3507222	208.01	ug/l	80
22) 1,1-Dichloroethene	2.420	61	1096538	192.99	ug/l	87
23) Methyl Acetate	2.706	43	903094	184.00	ug/l	100
24) Methyl-t-butyl ether	2.992	73	1427178	167.62	ug/l	88
25) 1,1-Dichloroethane	3.317	63	1625617	223.41	ug/l	99
26) trans-1,2-Dichloroethene	2.992	96	730943	219.65	ug/l	74
27) cis-1,2-Dichloroethene	3.780	61	1367757	211.31	ug/l	90
28) Bromochloromethane	3.949	49	820279	220.57	ug/l	84
29) 2,2-Dichloropropane	3.780	77	879907	217.93	ug/l	95
30) 1,4-Dioxane	4.893	88	325226	10245.30	ug/l	71
31) 1,1-Dichloropropene	4.232	75	955066	224.36	ug/l	99
32) Chloroform	3.997	83	1295966	227.85	ug/l	100
34) Cyclohexane	4.171	56	974910	220.79	ug/l	82
36) 1,2-Dichloroethane	4.364	62	1098325	199.97	ug/l	97
37) 2-Butanone	3.780	43	454254	202.04	ug/l	78
38) 1,1,1-Trichloroethane	4.129	97	996778	226.40	ug/l	99
39) Carbon Tetrachloride	4.238	117	821608	219.01	ug/l	93
40) Vinyl Acetate	3.347	43	4051477	224.76	ug/l	100
41) Bromodichloromethane	4.960	83	1021482	224.65	ug/l	98
42) Methylcyclohexane	4.815	83	506959	217.71	ug/l	95
43) Dibromomethane	4.887	174	588136	220.78	ug/l	95
44) 1,2-Dichloropropane	4.827	63	790113	226.44	ug/l	97
45) Trichloroethene	4.707	130	697200	227.61	ug/l	98
46) Benzene	4.358	78	2584164	213.82	ug/l	100
47) tert-Amyl methyl ether	4.412	73	1229889	153.57	ug/l	86
49) Dibromochloromethane	5.778	129	749716	257.63	ug/l	97
50) 2-Chloroethylvinylether	5.104	63	490652	246.59	ug/l	88
51) cis-1,3-Dichloropropene	5.194	75	1173135	273.48	ug/l	96
52) trans-1,3-Dichloropropene	5.465	75	1042656	291.59	ug/l	100
53) 1,1,2-Trichloroethane	5.567	97	578188	254.91	ug/l	98
54) 1,2-Dibromoethane	5.844	107	607685	246.89	ug/l	88
55) 1,3-Dichloropropane	5.658	76	978236	230.94	ug/l	96
56) 4-Methyl-2-Pentanone	5.261	43	996620	230.48	ug/l	95
57) 2-Hexanone	5.682	43	659732	216.49	ug/l	90
58) Tetrachloroethene	5.652	164	516912	222.20	ug/l	96
60) Toluene	5.369	92	1455853	246.00	ug/l	100
61) 1,1,1,2-Tetrachloroethane	6.127	133	571236	250.69	ug/l	96
62) Chlorobenzene	6.091	112	1569391	252.52	ug/l	97
64) Bromoform	6.524	173	616642	284.07	ug/l	100
65) Ethylbenzene	6.139	106	668934	251.33	ug/l	88
66) 1,1,2,2-Tetrachloroethane	6.741	83	727724	252.16	ug/l	88
68) Styrene	6.410	104	1365968	243.23	ug/l	87
69) m&p-Xylenes	6.199	106	1530567	457.70	ug/l	96

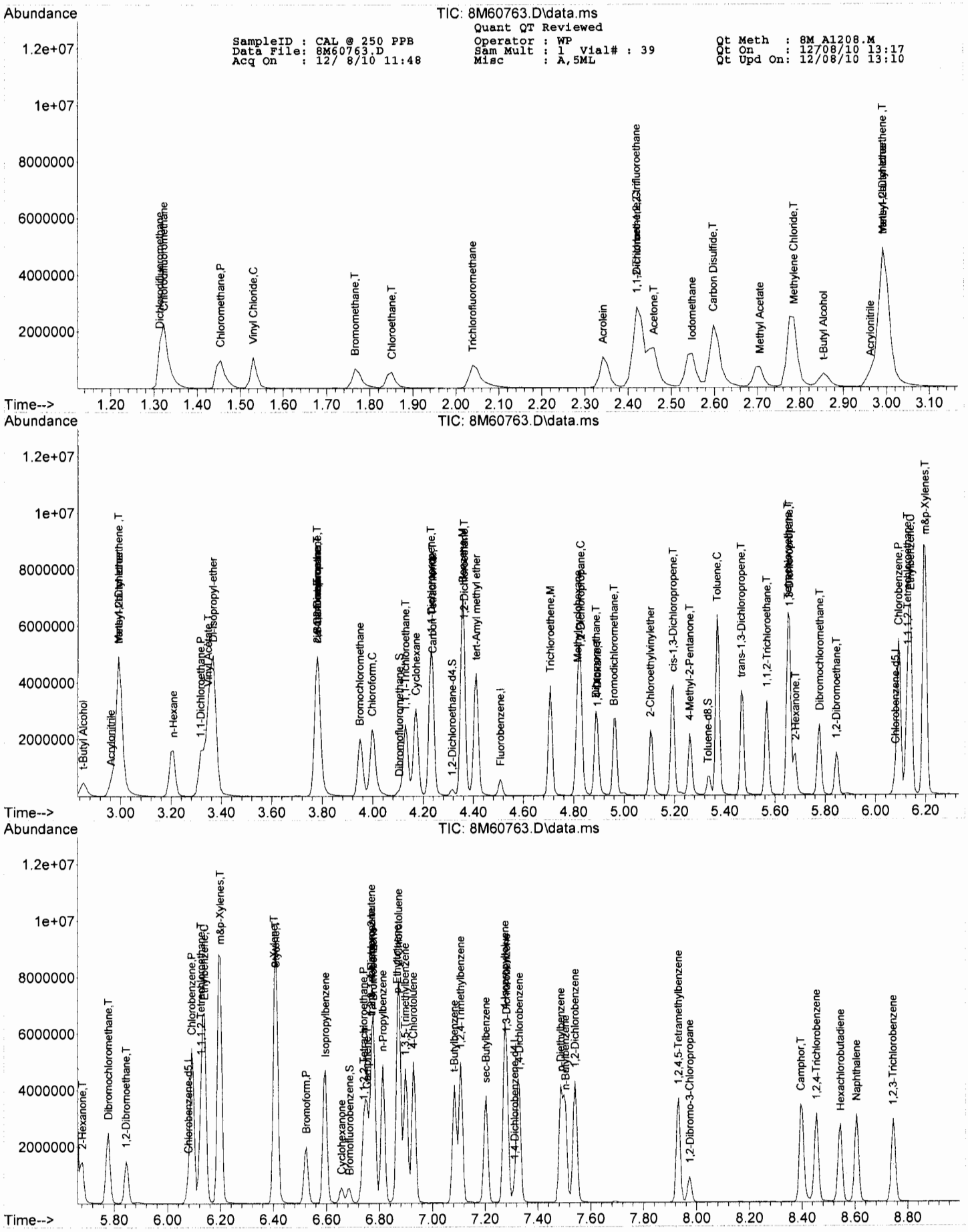
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60763.D Sam Mult : 1 Vial# : 39 Qt On : 12/08/10 13:17
Acq On : 12/ 8/10 11:48 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.404	106	763102	239.20	ug/l	80
71) trans-1,4-Dichloro-2-b...	6.771	53	339010	234.31	ug/l	1
72) 1,3-Dichlorobenzene	7.282	146	1048222	237.82	ug/l	98
73) 1,4-Dichlorobenzene	7.331	146	1162025	260.57	ug/l	99
74) 1,2-Dichlorobenzene	7.541	146	1141850	260.88	ug/l	99
75) Isopropylbenzene	6.596	105	1891354	256.87	ug/l	98
76) Cyclohexanone	6.657	55	144951	1196.37	ug/l	96
77) Camphene	6.753	93	539951	257.91	ug/l	94
78) 1,2,3-Trichloropropane	6.771	75	823846	227.02	ug/l	89
79) 2-Chlorotoluene	6.873	91	1520199	206.38	ug/l	95
80) p-Ethyltoluene	6.867	105	1756810	226.77	ug/l	94
81) 4-Chlorotoluene	6.927	91	1701019	236.82	ug/l	97
82) n-Propylbenzene	6.813	91	2283301	259.01	ug/l	99
83) Bromobenzene	6.777	77	1576459	235.26	ug/l	86
84) 1,3,5-Trimethylbenzene	6.897	105	1525258	262.16	ug/l	95
85) t-Butylbenzene	7.084	119	1340191	264.58	ug/l	92
86) 1,2,4-Trimethylbenzene	7.108	105	1637526	255.79	ug/l	89
87) sec-Butylbenzene	7.204	105	1633940	265.94	ug/l	95
88) 4-Isopropyltoluene	7.276	119	1185806	250.95	ug/l	95
89) n-Butylbenzene	7.505	91	1525619	266.97	ug/l	99
90) p-Diethylbenzene	7.487	119	783042	279.45	ug/l	99
91) 1,2,4,5-Tetramethylben...	7.932	119	1259816	266.10	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	7.974	157	162970	285.05	ug/l	99
93) Camphor	8.396	95	525989	2293.11	ug/l	93
94) Hexachlorobutadiene	8.546	225	469358	296.36	ug/l	99
95) 1,2,4-Trichlorobenzene	8.456	180	725968	281.14	ug/l	97
96) 1,2,3-Trichlorobenzene	8.745	180	674031	277.91	ug/l	96
97) Naphthalene	8.606	128	1500709	266.16	ug/l	100

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


Abundance
TIC: 8M60763.D\data.ms
SampleID : CAL @ 250 PPB
Data File: 8M60763.D
Acq On : 12/ 8/10 11:48
Quant QT Reviewed
Operator : WP
Sam Mult : 1 Vial# : 39
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:17
Qt Upd On: 12/08/10 13:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate,T
Diisopropyl-ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60762.D Sam Mult : 1 Vial# : 38 Qt On : 12/08/10 13:10
Acq On : 12/ 8/10 11:32 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	231695	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.080	117	146634	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	79566	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.106	111	63184	28.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.73%			
35) 1,2-Dichloroethane-d4	4.317	102	12887	25.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 85.37%			
59) Toluene-d8	5.334	100	138917	33.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.00%			
67) Bromofluorobenzene	6.687	174	91128	35.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.325	51	3072075	492.26	ug/l	78
6) Dichlorodifluoromethane	1.316	85	1737241	759.59	ug/l	94
7) Chloromethane	1.448	50	2235155	752.68	ug/l	84
8) Bromomethane	1.759	94	487878	402.43	ug/l	99
9) Vinyl Chloride	1.533	62	1337801	473.49	ug/l	94
10) Chloroethane	1.834	64	747524	435.52	ug/l	99
11) Trichlorofluoromethane	2.042	101	1577019	378.40	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.421	101	897678	479.71	ug/l	93
13) Methylene Chloride	2.776	84	1587680	447.68	ug/l	83
14) Acrolein	2.342	56	1369500	2874.48	ug/l	100
15) Acrylonitrile	2.963	53	678137	480.49	ug/l	96
16) Iodomethane	2.539	142	2468048	656.90	ug/l	94
17) Acetone	2.460	43	2797930	2210.89	ug/l	99
18) Carbon Disulfide	2.598	76	5075369	617.48	ug/l	100
19) t-Butyl Alcohol	2.854	59	461111	1511.50	ug/l	91
20) n-Hexane	3.199	57	1088533	458.83	ug/l	88
21) Di-isopropyl-ether	3.367	45	5970203	392.41	ug/l	83
22) 1,1-Dichloroethene	2.421	61	2252667	439.38	ug/l	91
23) Methyl Acetate	2.697	43	1716745	387.62	ug/l	100
24) Methyl-t-butyl ether	2.992	73	2549012	331.78	ug/l	89
25) 1,1-Dichloroethane	3.318	63	3180498	484.39	ug/l	98
26) trans-1,2-Dichloroethene	2.992	96	1344064	447.60	ug/l	74
27) cis-1,2-Dichloroethene	3.775	61	2465861	422.19	ug/l	90
28) Bromochloromethane	3.949	49	1541446	459.35	ug/l	84
29) 2,2-Dichloropropane	3.781	77	1615241	443.34	ug/l	92
30) 1,4-Dioxane	4.894	88	562803	19648.24	ug/l	70
31) 1,1-Dichloropropene	4.226	75	1618690	421.41	ug/l	99
32) Chloroform	3.998	83	2461257	479.55	ug/l	99
34) Cyclohexane	4.172	56	1825713	458.22	ug/l	83
36) 1,2-Dichloroethane	4.359	62	1874427	378.21	ug/l	97
37) 2-Butanone	3.781	43	777392	383.18	ug/l	83
38) 1,1,1-Trichloroethane	4.130	97	1862456	468.80	ug/l	96
39) Carbon Tetrachloride	4.238	117	1455180	429.88	ug/l	88
40) Vinyl Acetate	3.347	43	7143721	439.20	ug/l	100
41) Bromodichloromethane	4.960	83	1871561	456.14	ug/l	97
42) Methylcyclohexane	4.816	83	923565	439.54	ug/l	96
43) Dibromomethane	4.888	174	1015778	422.58	ug/l	92
44) 1,2-Dichloropropane	4.828	63	1334313	423.78	ug/l	98
45) Trichloroethene	4.708	130	1233079	446.11	ug/l	98
46) Benzene	4.359	78	4300869	394.38	ug/l	100
47) tert-Amyl methyl ether	4.413	73	2184363	302.28	ug/l	85
49) Dibromochloromethane	5.779	129	1360245	559.29	ug/l	99
50) 2-Chloroethylvinylether	5.105	63	890853	535.72	ug/l	87
51) cis-1,3-Dichloropropene	5.189	75	2123537	592.33	ug/l	96
52) trans-1,3-Dichloropropene	5.466	75	1939032	648.85	ug/l	99
53) 1,1,2-Trichloroethane	5.568	97	1026333	541.40	ug/l	98
54) 1,2-Dibromoethane	5.845	107	1136109	552.29	ug/l	93
55) 1,3-Dichloropropane	5.658	76	1582107	446.90	ug/l	94
56) 4-Methyl-2-Pentanone	5.261	43	1810691	501.04	ug/l	93
57) 2-Hexanone	5.683	43	1264151	496.36	ug/l	86
58) Tetrachloroethene	5.652	164	839452	431.76	ug/l	96
60) Toluene	5.370	92	2462165	497.81	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.128	133	955987	501.99	ug/l	100
62) Chlorobenzene	6.092	112	2583579	497.41	ug/l	98
64) Bromoform	6.525	173	1165551	637.63	ug/l	99
65) Ethylbenzene	6.140	106	1027609	458.49	ug/l	91
66) 1,1,2,2-Tetrachloroethane	6.742	83	1254140	516.06	ug/l	84
68) Styrene	6.411	104	2115004	447.24	ug/l	87
69) m&p-Xylenes	6.200	106	2332492	828.32	ug/l	100

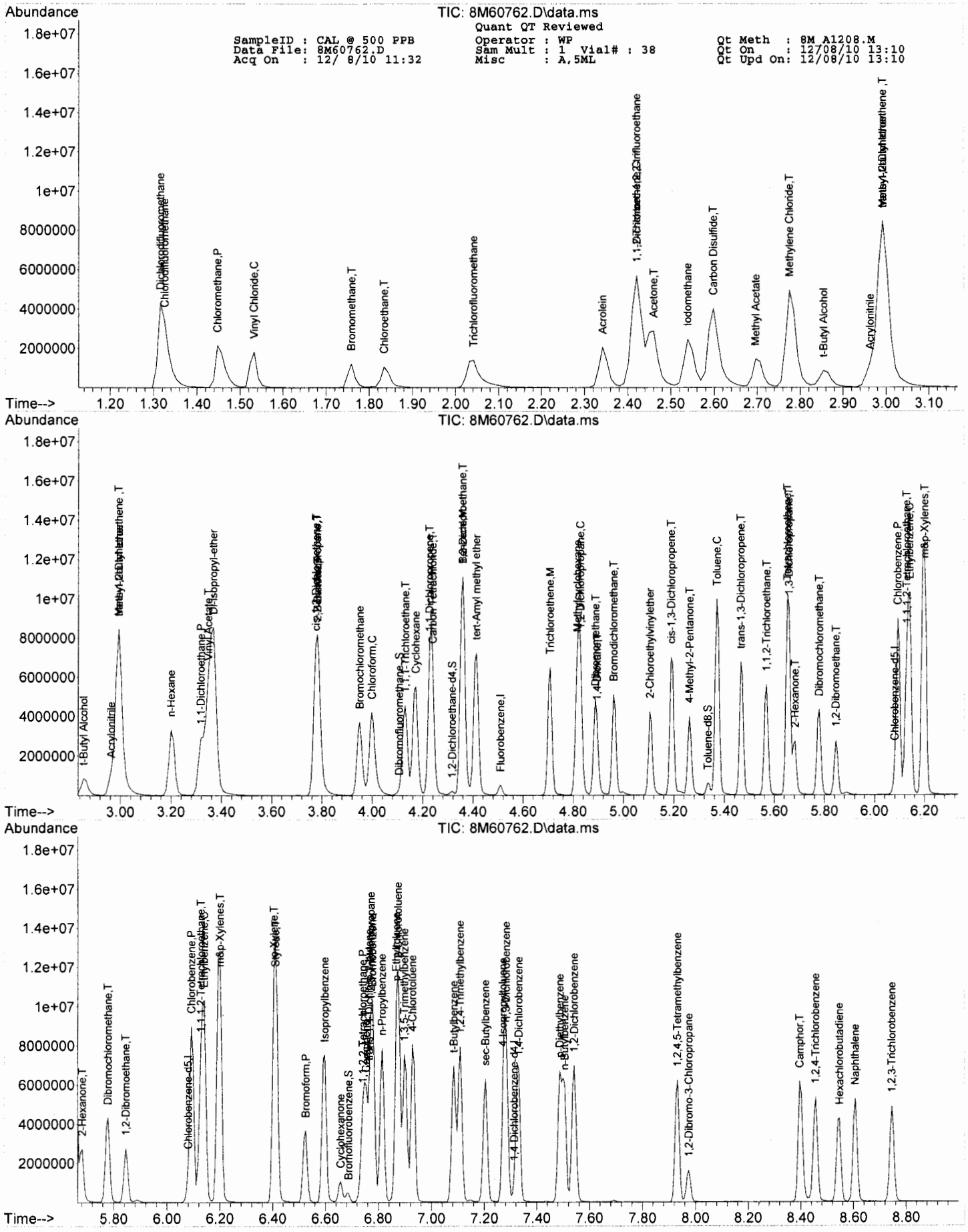
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60762.D Sam Mult : 1 Vial# : 38 Qt On : 12/08/10 13:10
Acq On : 12/ 8/10 11:32 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.405	106	1175100	437.41	ug/l	79
71) trans-1,4-Dichloro-2-b...	6.766	53	580439	476.41	ug/l	1
72) 1,3-Dichlorobenzene	7.283	146	1625457	437.95	ug/l	98
73) 1,4-Dichlorobenzene	7.331	146	1976987	526.45	ug/l	99
74) 1,2-Dichlorobenzene	7.542	146	1912613	518.93	ug/l	99
75) Isopropylbenzene	6.597	105	3204937	516.90	ug/l	99
76) Cyclohexanone	6.657	55	277807	2722.93	ug/l	94
77) Camphene	6.754	93	882097	500.35	ug/l	92
78) 1,2,3-Trichloropropane	6.772	75	1318943	431.60	ug/l	88
79) 2-Chlorotoluene	6.874	91	2178042	351.15	ug/l	94
80) p-Ethyltoluene	6.868	105	2707753	415.06	ug/l	95
81) 4-Chlorotoluene	6.928	91	2721778	450.00	ug/l	96
82) n-Propylbenzene	6.814	91	3840412	517.34	ug/l	99
83) Bromobenzene	6.778	77	2545438	451.10	ug/l	86
84) 1,3,5-Trimethylbenzene	6.898	105	2503355	510.98	ug/l	97
85) t-Butylbenzene	7.085	119	2247696	526.97	ug/l	89
86) 1,2,4-Trimethylbenzene	7.109	105	2742765	508.78	ug/l	89
87) sec-Butylbenzene	7.205	105	2735516	528.73	ug/l	96
88) 4-Isopropyltoluene	7.271	119	1896634	476.66	ug/l	94
89) n-Butylbenzene	7.506	91	2575185	535.15	ug/l	100
90) p-Diethylbenzene	7.488	119	1308479	554.53	ug/l	98
91) 1,2,4,5-Tetramethylben...	7.933	119	2165297	543.13	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	7.975	157	295769	614.35	ug/l	96
93) Camphor	8.396	95	943646	4885.48	ug/l	91
94) Hexachlorobutadiene	8.547	225	776330	582.12	ug/l	99
95) 1,2,4-Trichlorobenzene	8.457	180	1248818	574.32	ug/l	98
96) 1,2,3-Trichlorobenzene	8.745	180	1133157	554.83	ug/l	96
97) Naphthalene	8.607	128	2609899	549.69	ug/l	100

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


Abundance
TIC: 8M60762.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 8M60762.D
Acq On : 12/ 8/10 11:32
Operator : WP
Sam Mult : 1 vial# : 38
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:10
Qt Upd On: 12/08/10 13:10
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB
Data File: 8M60759.D
Acq On : 12/ 8/10 10:36

Operator : WP
Sam Mult : 1 Vial# : 35
Misc : A,5ML

Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:10
Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.509	96	261360	30.00	ug/l		0.00
48) Chlorobenzene-d5	6.080	117	179933	30.00	ug/l		0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	103222	30.00	ug/l		0.00
System Monitoring Compounds							
33) Dibromofluoromethane	4.100	111	72623	29.27	ug/l		0.00
Spiked Amount 30.000			Recovery = 97.57%				
35) 1,2-Dichloroethane-d4	4.316	102	17205	30.31	ug/l		0.00
Spiked Amount 30.000			Recovery = 101.03%				
59) Toluene-d8	5.333	100	156169	30.78	ug/l		0.00
Spiked Amount 30.000			Recovery = 102.60%				
67) Bromofluorobenzene	6.687	174	98808	29.57	ug/l		0.00
Spiked Amount 30.000			Recovery = 98.57%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.324	51	7412	1.05	ug/l		62
6) Dichlorodifluoromethane	1.314	85	3156	1.22	ug/l		87
7) Chloromethane	1.446	50	4795	1.43	ug/l		85
8) Bromomethane	1.776	94	1162	0.85	ug/l		83
9) Vinyl Chloride	1.531	62	2701	0.85	ug/l		48
10) Chloroethane	1.852	64	2686	1.39	ug/l		74
11) Trichlorofluoromethane	2.040	101	2910	0.62	ug/l		70
12) 1,1,2-Trichloro-1,2,2-...	2.431	101	1852	0.88	ug/l		68
13) Methylene Chloride	2.776	84	3931	0.98	ug/l		76
14) Acrolein	2.342	56	3408	6.34	ug/l		86
15) Acrylonitrile	2.973	53	1262	0.79	ug/l		67
16) Iodomethane	2.549	142	3507	0.83	ug/l		92
17) Acetone	2.461	43	10395	7.28	ug/l		78
18) Carbon Disulfide	2.598	76	10832	1.17	ug/l		100
19) t-Butyl Alcohol	2.845	59	1121	3.26	ug/l		87
20) n-Hexane	3.209	57	2483	0.93	ug/l		73
21) Di-isopropyl-ether	3.367	45	13392	0.78	ug/l		69
22) 1,1-Dichloroethene	2.421	61	4460	0.77	ug/l		75
23) Methyl Acetate	2.707	43	5904m	1.18	ug/l		
24) Methyl-t-butyl ether	2.993	73	5334	0.62	ug/l		56
25) 1,1-Dichloroethane	3.318	63	6972	0.94	ug/l		87
26) trans-1,2-Dichloroethene	2.993	96	4068	1.20	ug/l	#	21
27) cis-1,2-Dichloroethene	3.775	61	6379	0.97	ug/l		98
28) Bromochloromethane	3.943	49	4225	1.12	ug/l	#	63
29) 2,2-Dichloropropane	3.781	77	2908	0.71	ug/l		67
30) 1,4-Dioxane	4.900	88	1418	43.89	ug/l		65
31) 1,1-Dichloropropene	4.232	75	3931	0.91	ug/l		67
32) Chloroform	4.004	83	5332	0.92	ug/l		89
34) Cyclohexane	4.178	56	3619	0.81	ug/l		75
36) 1,2-Dichloroethane	4.359	62	5628	1.01	ug/l		87
37) 2-Butanone	3.781	43	3009	1.31	ug/l		61
38) 1,1,1-Trichloroethane	4.136	97	4411	0.98	ug/l	#	45
39) Carbon Tetrachloride	4.232	117	3416	0.89	ug/l		97
40) Vinyl Acetate	3.347	43	15455	0.84	ug/l		100
41) Bromodichloromethane	4.966	83	4377	0.95	ug/l		82
42) Methylcyclohexane	4.816	83	1449	0.61	ug/l		75
43) Dibromomethane	4.888	174	3616	1.33	ug/l		74
44) 1,2-Dichloropropane	4.828	63	3661	1.03	ug/l		90
45) Trichloroethene	4.702	130	3446	1.11	ug/l		74
46) Benzene	4.353	78	13528	1.10	ug/l		100
47) tert-Amyl methyl ether	4.407	73	3806	0.47	ug/l	#	65
49) Dibromochloromethane	5.779	129	2732	0.92	ug/l		73
50) 2-Chloroethylvinylether	5.105	63	1087	0.53	ug/l		40
51) cis-1,3-Dichloropropene	5.189	75	3928	0.89	ug/l		89
52) trans-1,3-Dichloropropene	5.466	75	3442	0.94	ug/l		89
53) 1,1,2-Trichloroethane	5.568	97	2337	1.00	ug/l		75
54) 1,2-Dibromoethane	5.845	107	2618	1.04	ug/l		97
55) 1,3-Dichloropropane	5.658	76	4325	1.00	ug/l		76
56) 4-Methyl-2-Pentanone	5.261	43	3550	0.80	ug/l		61
57) 2-Hexanone	5.682	43	1854	0.59	ug/l		84
58) Tetrachloroethene	5.652	164	3615	1.52	ug/l		91
60) Toluene	5.370	92	7388	1.22	ug/l		96
61) 1,1,1,2-Tetrachloroethane	6.128	133	2824	1.21	ug/l		85
62) Chlorobenzene	6.092	112	8123	1.27	ug/l		95
64) Bromoform	6.525	173	2359	0.99	ug/l		78
65) Ethylbenzene	6.140	106	4761	1.64	ug/l		42
66) 1,1,2,2-Tetrachloroethane	6.742	83	3868	1.23	ug/l		95
68) Styrene	6.411	104	4469	0.73	ug/l		88
69) m&p-Xylenes	6.194	106	7925	2.17	ug/l		65

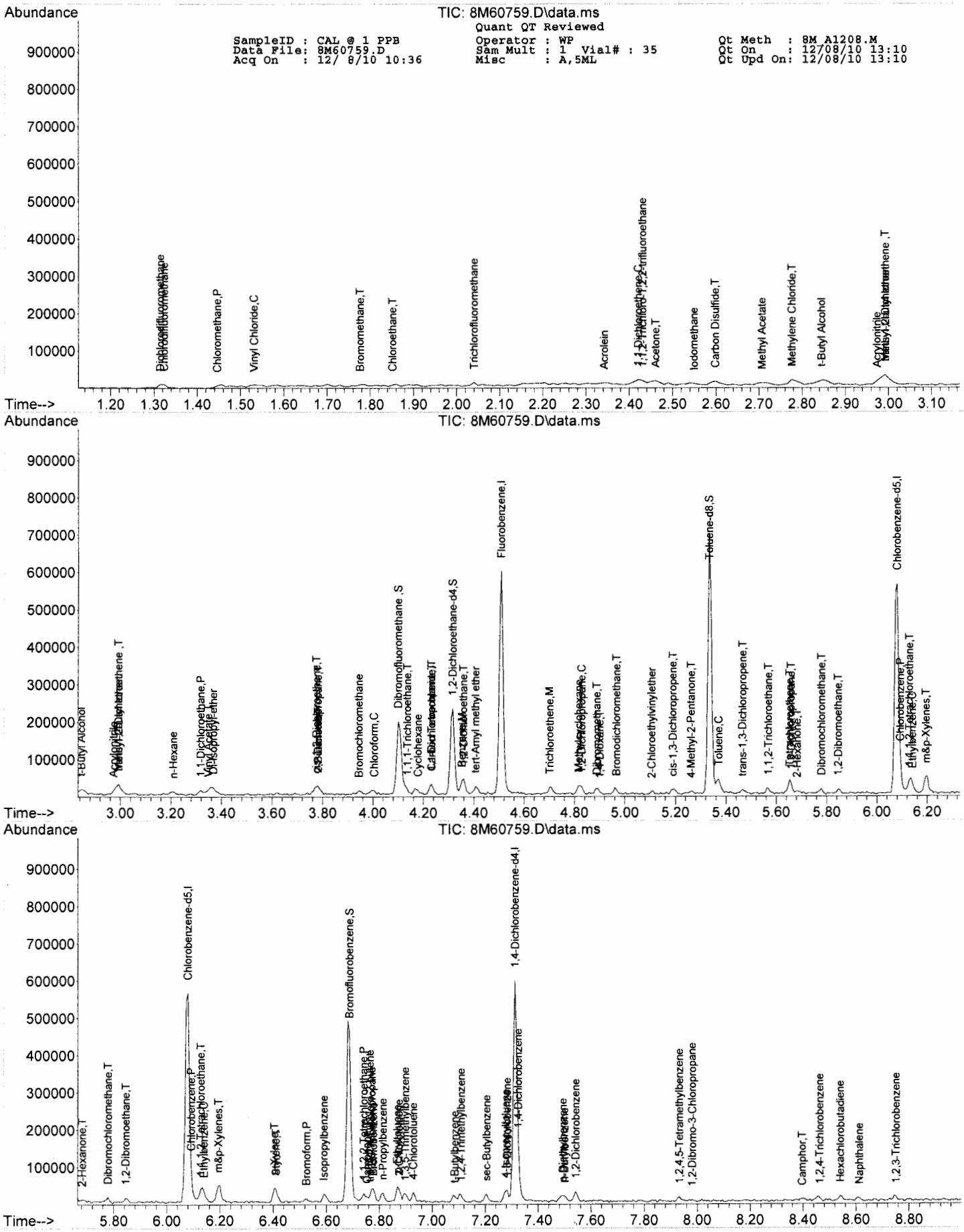
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60759.D Sam Mult : 1 Vial# : 35 Qt On : 12/08/10 13:10
Acq On : 12/ 8/10 10:36 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.405	106	3475	1.00 ug/l	73
71) trans-1,4-Dichloro-2-b...	6.766	53	1819	1.15 ug/l	1
72) 1,3-Dichlorobenzene	7.283	146	5576m	1.16 ug/l	
73) 1,4-Dichlorobenzene	7.325	146	6473m	1.33 ug/l	
74) 1,2-Dichlorobenzene	7.542	146	5413	1.13 ug/l	86
75) Isopropylbenzene	6.591	105	7062	0.88 ug/l	95
76) Cyclohexanone	0.000		0	N.D. d	
77) Camphene	6.754	93	2178	0.95 ug/l	80
78) 1,2,3-Trichloropropane	6.772	75	4029	1.02 ug/l	96
79) 2-Chlorotoluene	6.874	91	7716	0.96 ug/l	89
80) p-Ethyltoluene	6.868	105	6649	0.79 ug/l	83
81) 4-Chlorotoluene	6.928	91	7760	0.99 ug/l	92
82) n-Propylbenzene	6.814	91	10301	1.07 ug/l	99
83) Bromobenzene	6.778	77	9152	1.25 ug/l	84
84) 1,3,5-Trimethylbenzene	6.898	105	5947	0.94 ug/l	94
85) t-Butylbenzene	7.085	119	4994	0.90 ug/l	75
86) 1,2,4-Trimethylbenzene	7.109	105	6440	0.92 ug/l	85
87) sec-Butylbenzene	7.205	105	6030	0.90 ug/l	80
88) 4-Isopropyltoluene	7.277	119	5490	1.06 ug/l	99
89) n-Butylbenzene	7.500	91	6162	0.99 ug/l	78
90) p-Diethylbenzene	7.494	119	3020	0.99 ug/l #	65
91) 1,2,4,5-Tetramethylben...	7.933	119	3149	0.61 ug/l	79
92) 1,2-Dibromo-3-Chloropr...	7.981	157	564	0.90 ug/l	84
93) Camphor	8.396	95	987	3.94 ug/l	85
94) Hexachlorobutadiene	8.541	225	2093	1.21 ug/l	91
95) 1,2,4-Trichlorobenzene	8.463	180	2700	0.96 ug/l	86
96) 1,2,3-Trichlorobenzene	8.751	180	2640	1.00 ug/l	91
97) Naphthalene	8.613	128	3810	0.62 ug/l	100

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


Abundance
TIC: 8M60759.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 8M60759.D
Acq On : 12/ 8/10 10:36
Operator : WP
Sam Mult : 1 Vial# : 35
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:10
Qt Upd On: 12/08/10 13:10
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60760.D Sam Mult : 1 Vial# : 36 Qt On : 12/08/10 13:13
Acq On : 12/ 8/10 10:55 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.508	96	243321	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.079	117	185002	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	95975	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.105	111	76210	32.99 ug/l	0.00
Spiked Amount 30.000			Recovery = 109.97%		
35) 1,2-Dichloroethane-d4	4.310	102	18515	35.04 ug/l	0.00
Spiked Amount 30.000			Recovery = 116.80%		
59) Toluene-d8	5.332	100	151217	28.99 ug/l	0.00
Spiked Amount 30.000			Recovery = 96.63%		
67) Bromofluorobenzene	6.686	174	94933	30.56 ug/l	0.00
Spiked Amount 30.000			Recovery = 101.87%		
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D. d	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D. d	
15) Acrylonitrile	0.000		0	N.D. d	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D. d	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D. d	
24) Methyl-t-butyl ether	2.991	73	3090	0.38 ug/l	89
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D. d	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D. d	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	4.358	62	2746	0.53 ug/l	98
37) 2-Butanone	0.000		0	N.D. d	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	4.959	83	2486m	0.58 ug/l	
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D. d	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	4.358	78	6089	0.53 ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	5.778	129	1347m	0.44 ug/l	
50) 2-Chloroethylvinylether	0.000		0	N.D. d	
51) cis-1,3-Dichloropropene	5.188	75	2418m	0.53 ug/l	
52) trans-1,3-Dichloropropene	5.471	75	1475m	0.39 ug/l	
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D. d	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D. d	
58) Tetrachloroethene	0.000		0	N.D. d	
60) Toluene	0.000		0	N.D. d	
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D. d	
65) Ethylbenzene	0.000		0	N.D. d	
66) 1,1,2,2-Tetrachloroethane	6.735	83	2354m	0.80 ug/l	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.199	106	3938m	1.16 ug/l	

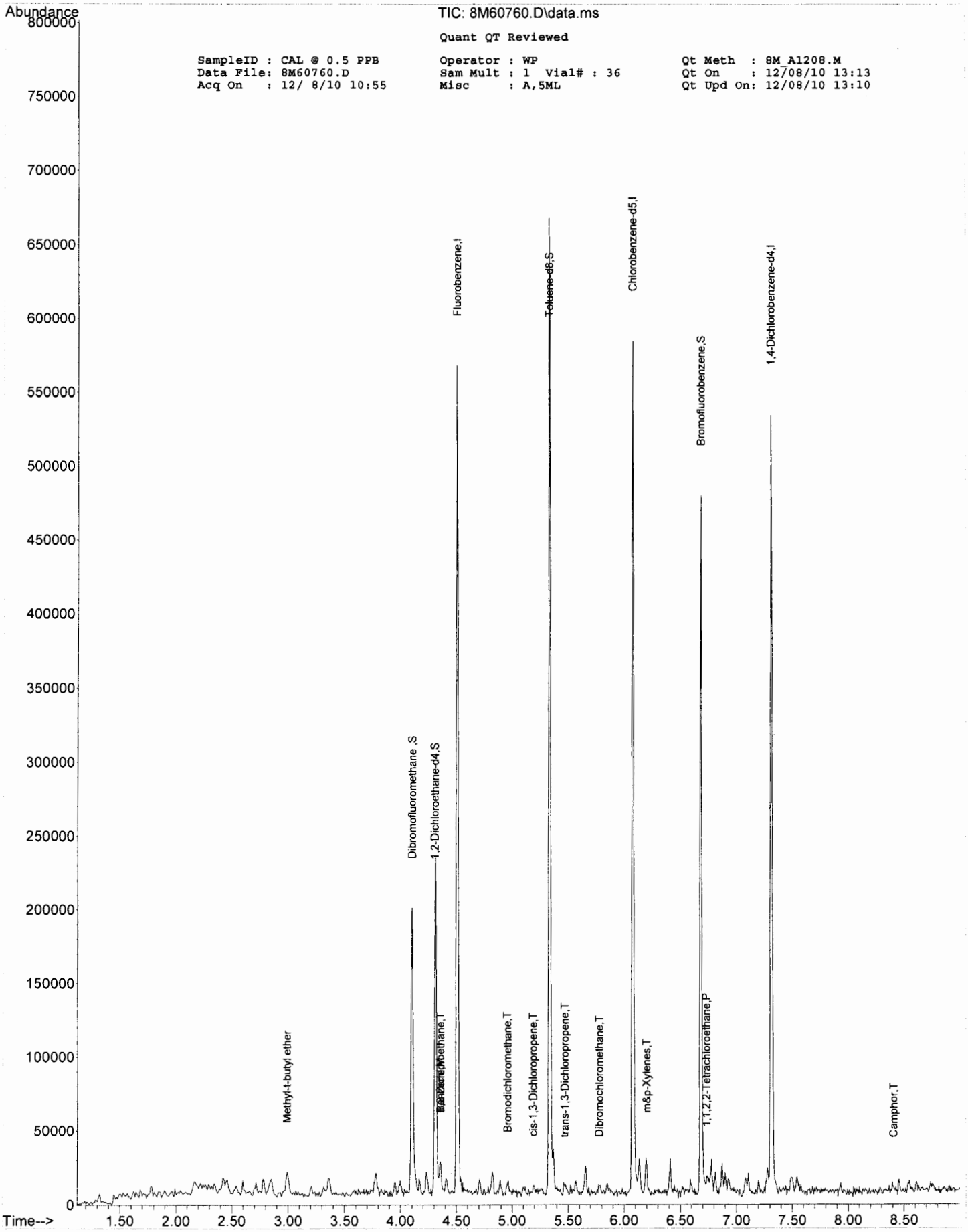
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M60760.D Sam Mult : 1 Vial# : 36 Qt On : 12/08/10 13:13
Acq On : 12/ 8/10 10:55 Misc : A,5ML Qt Upd On: 12/08/10 13:10

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	0.000		0	N.D.	d
71) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d
72) 1,3-Dichlorobenzene	0.000		0	N.D.	d
73) 1,4-Dichlorobenzene	0.000		0	N.D.	d
74) 1,2-Dichlorobenzene	0.000		0	N.D.	d
75) Isopropylbenzene	0.000		0	N.D.	d
76) Cyclohexanone	0.000		0	N.D.	d
77) Camphene	0.000		0	N.D.	d
78) 1,2,3-Trichloropropane	0.000		0	N.D.	d
79) 2-Chlorotoluene	0.000		0	N.D.	d
80) p-Ethyltoluene	0.000		0	N.D.	d
81) 4-Chlorotoluene	0.000		0	N.D.	d
82) n-Propylbenzene	0.000		0	N.D.	d
83) Bromobenzene	0.000		0	N.D.	d
84) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
85) t-Butylbenzene	0.000		0	N.D.	d
86) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
87) sec-Butylbenzene	0.000		0	N.D.	d
88) 4-Isopropyltoluene	0.000		0	N.D.	d
89) n-Butylbenzene	0.000		0	N.D.	d
90) p-Diethylbenzene	0.000		0	N.D.	d
91) 1,2,4,5-Tetramethylben...	0.000		0	N.D.	d
92) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d
93) Camphor	8.407	95	481m	2.06 ug/l	
94) Hexachlorobutadiene	0.000		0	N.D.	d
95) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
96) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
97) Naphthalene	0.000		0	N.D.	d

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 8M60760.D
Acq On : 12/ 8/10 10:55
Operator : WP
Sam Mult : 1 Vial# : 36
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12/08/10 13:13
Qt Upd On: 12/08/10 13:10
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
Toluene-d8,S
trans-1,3-Dichloropropene,T
Dibromochloromethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Camphor,T
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 8M60351.D **Instrument:** GCMS 8

Cont Calibration Date/Time 11/30/2010 6:56:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.49	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.32	16.17				0.808			
Dichlorodifluoromethane	1	0		1.31	10.36	20			0.296	0.153	48.20	
Chloromethane	1	0	CP	1.44	18.49	20	0.1		0.385	0.355	7.55	
Bromomethane	1	0		1.77	22.17	20			0.157	0.174	10.85	
Vinyl Chloride	1	0	CC	1.52	16.01	20	20		0.366	0.293	19.95	
Chloroethane	1	0		1.84	17.77	20			0.222	0.197	11.15	
Trichlorofluoromethane	1	0		2.03	14.37	20			0.540	0.388	28.15	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.40	21.92	20			0.242	0.266	9.60	
Methylene Chloride	1	0		2.77	18.76	20			0.459	0.510	6.20	
Acrolein	1	0		2.33	120.91	100			0.062	0.068	20.91	
Acrylonitrile	1	0		2.94	19.27	20			0.183	0.176	3.65	
Iodomethane	1	0		2.53	25.84	20			0.486	0.754	29.20	
Acetone	1	0		2.44	93.02	100			0.164	0.180	6.98	
Carbon Disulfide	1	0		2.58	23.12	20			1.064	1.231	15.60	
t-Butyl Alcohol	1	0		2.83	60.62	100			0.040	0.022	39.38	
n-Hexane	1	0		3.19	15.78	20			0.307	0.242	21.10	
Di-isopropyl-ether	1	0		3.35	18.95	20			1.970	1.866	5.25	
1.1-Dichloroethene	1	0	CC	2.41	23.33	20	20		0.664	0.774	16.65	
Methyl Acetate	1	0		2.69	23.36	20			0.573	0.546	16.80	
Methyl-t-butyl ether	1	0		2.97	13.55	20			0.995	0.674	32.25	
1.1-Dichloroethane	1	0	CP	3.30	21.09	20	0.1		0.850	0.897	5.45	
trans-1.2-Dichloroethene	1	0		2.97	22.04	20			0.389	0.429	10.20	
cis-1.2-Dichloroethene	1	0		3.76	21.42	20			0.756	0.810	7.10	
Bromochloromethane	1	0		3.93	22.47	20			0.435	0.488	12.35	
2.2-Dichloropropane	1	0		3.76	19.09	20			0.472	0.450	4.55	
1.4-Dioxane	1	0		4.88	905.42	1000			0.004	0.003	9.46	
1.1-Dichloropropene	1	0		4.21	22.95	20			0.497	0.571	14.75	
Chloroform	1	0	CC	3.98	22.75	20	20		0.665	0.756	13.75	
Dibromofluoromethane	1	0	S	4.09	32.44	30			0.285	0.308	8.13	
Cyclohexane	1	0		4.15	17.03	20			0.516	0.439	14.85	
1.2-Dichloroethane-d4	1	0	S	4.29	28.16	30			0.065	0.061	6.13	
1.2-Dichloroethane	1	0		4.35	21.43	20			0.642	0.688	7.15	
2-Butanone	1	0		3.76	20.85	20			0.263	0.274	4.25	
1.1.1-Trichloroethane	1	0		4.11	20.60	20			0.514	0.530	3.00	
Carbon Tetrachloride	1	0		4.22	21.95	20			0.438	0.481	9.75	
Vinyl Acetate	1	0		3.33	18.95	20			2.106	1.996	5.25	
Bromodichloromethane	1	0		4.95	21.75	20			0.531	0.578	8.75	
Methylcyclohexane	1	0		4.80	18.72	20			0.272	0.255	6.40	
Dibromomethane	1	0		4.88	27.63	20			0.311	0.430	38.15	
1.2-Dichloropropane	1	0	CC	4.81	21.29	20	20		0.408	0.434	6.45	
Trichloroethene	1	0		4.69	24.72	20			0.358	0.442	23.60	
Benzene	1	0		4.34	23.27	20			1.412	1.643	16.35	
tert-Amyl methyl ether	1	0		4.39	12.60	20			0.936	0.589	37.00	
Chlorobenzene-d5	1	0	I	6.06	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		5.76	19.21	20			0.498	0.478	3.95	
2-Chloroethylvinylether	1	0		5.09	16.25	20			0.340	0.276	18.75	
cis-1.3-Dichloropropene	1	0		5.18	17.54	20			0.733	0.663	12.30	
trans-1.3-Dichloropropene	1	0		5.45	16.01	20			0.611	0.558	19.95	
1.1.2-Trichloroethane	1	0		5.56	20.66	20			0.388	0.401	3.30	
1.2-Dibromoethane	1	0		5.83	19.05	20			0.421	0.401	4.75	
1.3-Dichloropropane	1	0		5.64	19.22	20			0.724	0.696	3.90	
4-Methyl-2-Pentanone	1	0		5.25	14.62	20			0.739	0.540	26.90	
2-Hexanone	1	0		5.66	14.61	20			0.521	0.381	26.95	
Tetrachloroethene	1	0		5.64	21.43	20			0.398	0.426	7.15	
Toluene-d8	1	0	S	5.32	28.46	30			0.846	0.803	5.13	
Toluene	1	0	CC	5.36	20.54	20	20		1.012	1.039	2.70	
1.1.1.2-Tetrachloroethane	1	0		6.12	20.48	20			0.390	0.399	2.40	
Chlorobenzene	1	0	CP	6.08	20.66	20	0.3		1.063	1.098	3.30	
1.4-Dichlorobenzene-d4	1	0	I	7.30	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.51	17.18	20	0.1		0.689	0.592	14.10	
Ethylbenzene	1	0	CC	6.13	18.53	20	20		0.845	0.783	7.35	
1.1.2.2-Tetrachloroethane	1	0	CP	6.73	16.28	20	0.3		0.916	0.746	18.60	
Bromofluorobenzene	1	0	S	6.67	30.05	30			0.971	0.973	0.17	
Styrene	1	0		6.40	19.10	20			1.783	1.703	4.50	
m&p-Xylenes	1	0		6.18	38.27	40			1.062	1.016	4.32	
o-Xylene	1	0		6.39	19.40	20			1.013	0.983	3.00	
trans-1.4-Dichloro-2-butene	1	0		6.75	17.53	20			0.459	0.378	12.35	
1.3-Dichlorobenzene	1	0		7.26	19.36	20			1.399	1.355	3.20	
1.4-Dichlorobenzene	1	0		7.31	19.49	20			1.416	1.380	2.55	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 8M60351.D **Instrument:** GCMS 8

Cont Calibration Date/Time 11/30/2010 6:56:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		7.53	18.43	20			1.390	1.280	7.85	
Isopropylbenzene	1	0		6.58	17.72	20			2.338	2.071	11.40	
Cyclohexanone	1	0		6.65	61.85				0.038			
Camphene	1	0		6.74	16.36	20			0.665	0.544	18.20	
1,2,3-Trichloropropane	1	0		6.76	16.60	20			1.152	0.910	17.00	
2-Chlorotoluene	1	0		6.86	18.36	20			2.339	2.147	8.20	
p-Ethyltoluene	1	0		6.86	17.51				2.460			
4-Chlorotoluene	1	0		6.92	18.41	20			2.281	2.099	7.95	
n-Propylbenzene	1	0		6.80	18.10	20			2.799	2.533	9.50	
Bromobenzene	1	0		6.77	17.43	20			2.128	1.855	12.85	
1,3,5-Trimethylbenzene	1	0		6.89	18.68	20			1.847	1.725	6.60	
t-Butylbenzene	1	0		7.07	17.17	20			1.608	1.381	14.15	
1,2,4-Trimethylbenzene	1	0		7.10	18.01	20			2.033	1.830	9.95	
sec-Butylbenzene	1	0		7.19	17.42	20			1.951	1.699	12.90	
4-Isopropyltoluene	1	0		7.26	17.78	20			1.500	1.334	11.10	
n-Butylbenzene	1	0		7.49	17.80	20			1.814	1.615	11.00	
p-Diethylbenzene	1	0		7.48	13.51				0.890			
1,2,4,5-Tetramethylbenzene	1	0		7.92	13.90				1.503			
1,2-Dibromo-3-Chloropropane	1	0		7.96	14.09	20			0.182	0.135	29.55	
Camphor	1	0		8.39	82.13	200			0.073	0.029	58.94	
Hexachlorobutadiene	1	0		8.53	14.32	20			0.503	0.450	28.40	
1,2,4-Trichlorobenzene	1	0		8.44	17.69	20			0.820	0.725	11.55	
1,2,3-Trichlorobenzene	1	0		8.73	15.44	20			0.770	0.594	22.80	
Naphthalene	1	0		8.59	13.35	20			1.790	1.195	33.25	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60351.D Sam Mult : 1 Vial# : 84 Qt On : 11/30/10 07:08
Acq On : 11/30/10 06:56 Misc : A,5ML Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.491	96	227971	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.061	117	203262	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.301	152	126245	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.088	111	70207	32.44	ug/l	-0.02
Spiked Amount 30.000			Recovery = 108.13%			
35) 1,2-Dichloroethane-d4	4.292	102	13940	28.16	ug/l	-0.02
Spiked Amount 30.000			Recovery = 93.87%			
59) Toluene-d8	5.321	100	163150	28.46	ug/l	-0.02
Spiked Amount 30.000			Recovery = 94.87%			
67) Bromofluorobenzene	6.669	174	122813	30.05	ug/l	-0.02
Spiked Amount 30.000			Recovery = 100.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.315	51	99314	16.17	ug/l	40
6) Dichlorodifluoromethane	1.306	85	23311	10.36	ug/l	100
7) Chloromethane	1.438	50	54011	18.49	ug/l	84
8) Bromomethane	1.768	94	26442	22.17	ug/l	99
9) Vinyl Chloride	1.523	62	44512	16.01	ug/l	96
10) Chloroethane	1.843	64	30011	17.77	ug/l	95
11) Trichlorofluoromethane	2.032	101	58933	14.37	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.401	101	40360	21.92	ug/l	92
13) Methylene Chloride	2.766	84	77494	18.76	ug/l	91
14) Acrolein	2.332	56	51364	120.91	ug/l	100
15) Acrylonitrile	2.943	53	26755	19.27	ug/l	93
16) Iodomethane	2.529	142	114622	25.84	ug/l	94
17) Acetone	2.440	43	136946	93.02	ug/l	98
18) Carbon Disulfide	2.578	76	187019	23.12	ug/l	100
19) t-Butyl Alcohol	2.834	59	16468	60.62	ug/l	84
20) n-Hexane	3.189	57	36842	15.78	ug/l	87
21) Di-isopropyl-ether	3.347	45	283615	18.95	ug/l	79
22) 1,1-Dichloroethene	2.411	61	117685	23.33	ug/l	98
23) Methyl Acetate	2.687	43	82950	23.36	ug/l	100
24) Methyl-t-butyl ether	2.972	73	102443	13.55	ug/l	92
25) 1,1-Dichloroethane	3.298	63	136264	21.09	ug/l	95
26) trans-1,2-Dichloroethene	2.972	96	65126	22.04	ug/l	67
27) cis-1,2-Dichloroethene	3.757	61	123094	21.42	ug/l	83
28) Bromochloromethane	3.931	49	74178	22.47	ug/l	87
29) 2,2-Dichloropropane	3.763	77	68429	19.09	ug/l	91
30) 1,4-Dioxane	4.876	88	25518	905.42	ug/l	51
31) 1,1-Dichloropropene	4.214	75	86731	22.95	ug/l	90
32) Chloroform	3.979	83	114889	22.75	ug/l	89
34) Cyclohexane	4.154	56	66772	17.03	ug/l	84
36) 1,2-Dichloroethane	4.346	62	104517	21.43	ug/l	99
37) 2-Butanone	3.763	43	41630	20.85	ug/l	85
38) 1,1,1-Trichloroethane	4.112	97	80541	20.60	ug/l	91
39) Carbon Tetrachloride	4.220	117	73117	21.95	ug/l	86
40) Vinyl Acetate	3.327	43	303328	18.95	ug/l	100
41) Bromodichloromethane	4.948	83	87796	21.75	ug/l	96
42) Methylcyclohexane	4.804	83	38705	18.72	ug/l	94
43) Dibromomethane	4.876	174	65342	27.63	ug/l	89
44) 1,2-Dichloropropane	4.810	63	65950	21.29	ug/l	86
45) Trichloroethene	4.689	130	67219	24.72	ug/l	95
46) Benzene	4.340	78	249635	23.27	ug/l	100
47) tert-Amyl methyl ether	4.395	73	89592	12.60	ug/l	92
49) Dibromochloromethane	5.761	129	64768	19.21	ug/l	97
50) 2-Chloroethylvinylether	5.093	63	37448	16.25	ug/l	79
51) cis-1,3-Dichloropropene	5.177	75	89843	17.54	ug/l	86
52) trans-1,3-Dichloropropene	5.454	75	75648	16.01	ug/l	95
53) 1,1,2-Trichloroethane	5.556	97	54297	20.66	ug/l	98
54) 1,2-Dibromoethane	5.833	107	54318	19.05	ug/l	96
55) 1,3-Dichloropropane	5.640	76	94340	19.22	ug/l	96
56) 4-Methyl-2-Pentanone	5.249	43	73237	14.62	ug/l	98
57) 2-Hexanone	5.664	43	51575	14.61	ug/l	85
58) Tetrachloroethene	5.640	164	57752	21.43	ug/l	86
60) Toluene	5.357	92	140839	20.54	ug/l	95
61) 1,1,1,2-Tetrachloroethane	6.116	133	54053	20.48	ug/l	95
62) Chlorobenzene	6.079	112	148759	20.66	ug/l	93
64) Bromoform	6.507	173	49831	17.18	ug/l	93
65) Ethylbenzene	6.128	106	65888	18.53	ug/l	94
66) 1,1,2,2-Tetrachloroethane	6.729	83	62773	16.28	ug/l	99
68) Styrene	6.398	104	143340	19.10	ug/l	98
69) m&p-Xylenes	6.182	106	170970	38.27	ug/l	87

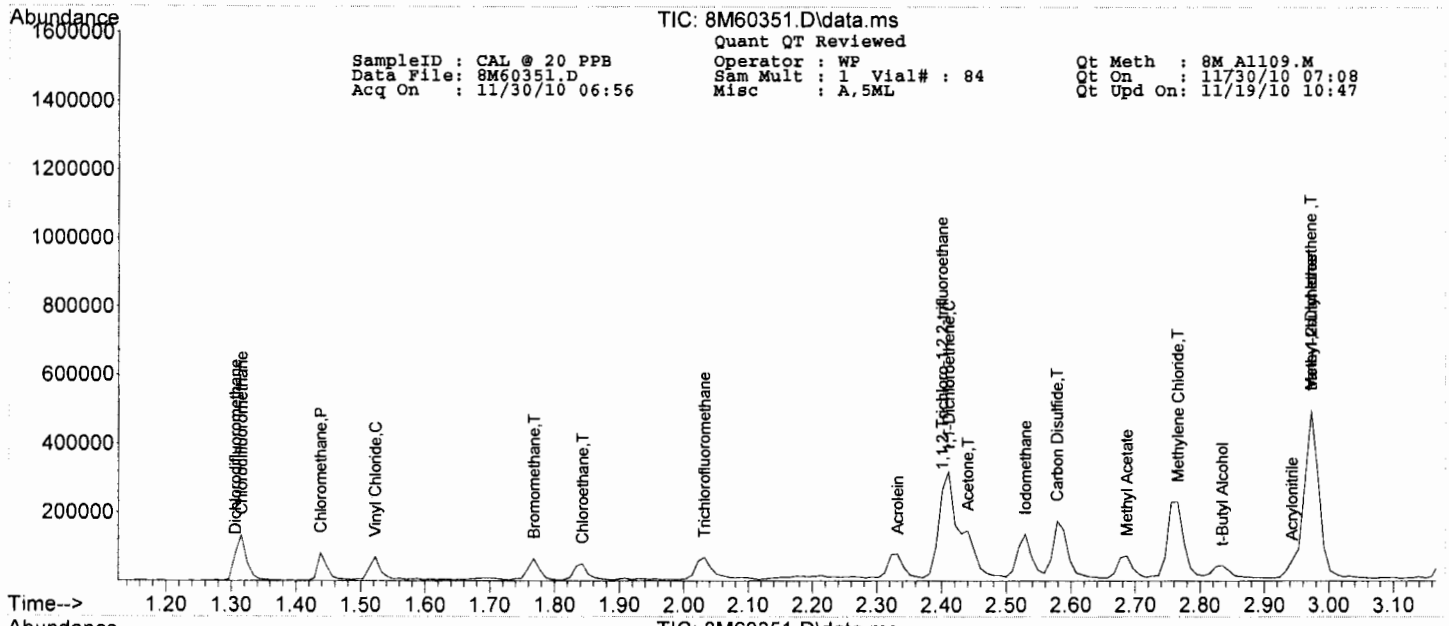
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 8M60351.D
Acq On : 11/30/10 06:56
Operator : WP
Sam Mult : 1 Vial# : 84
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/30/10 07:08
Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.392	106	82695	19.40	ug/l	95
71) trans-1,4-Dichloro-2-b...	6.753	53	31845	17.53	ug/l	1
72) 1,3-Dichlorobenzene	7.265	146	114022	19.36	ug/l	95
73) 1,4-Dichlorobenzene	7.313	146	116111	19.49	ug/l	96
74) 1,2-Dichlorobenzene	7.530	146	107765	18.43	ug/l	99
75) Isopropylbenzene	6.579	105	174288	17.72	ug/l	99
76) Cyclohexanone	6.651	55	10013	61.85	ug/l	79
77) Camphene	6.741	93	45756	16.36	ug/l	92
78) 1,2,3-Trichloropropane	6.759	75	76629	16.60	ug/l	95
79) 2-Chlorotoluene	6.862	91	180672	18.36	ug/l	93
80) p-Ethyltoluene	6.856	105	181219	17.51	ug/l	94
81) 4-Chlorotoluene	6.916	91	176640	18.41	ug/l	97
82) n-Propylbenzene	6.802	91	213145	18.10	ug/l	100
83) Bromobenzene	6.765	77	156098	17.43	ug/l	92
84) 1,3,5-Trimethylbenzene	6.886	105	145210	18.68	ug/l	94
85) t-Butylbenzene	7.072	119	116219	17.17	ug/l	93
86) 1,2,4-Trimethylbenzene	7.096	105	154007	18.01	ug/l	88
87) sec-Butylbenzene	7.193	105	143018	17.42	ug/l	99
88) 4-Isopropyltoluene	7.259	119	112269	17.78	ug/l	96
89) n-Butylbenzene	7.488	91	135920	17.80	ug/l	96
90) p-Diethylbenzene	7.476	119	64894	13.51	ug/l	98
91) 1,2,4,5-Tetramethylben...	7.921	119	87898	13.90	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	7.963	157	11396	14.09	ug/l	80
93) Camphor	8.390	95	24401	82.13	ug/l	91
94) Hexachlorobutadiene	8.535	225	37909	14.32	ug/l	98
95) 1,2,4-Trichlorobenzene	8.444	180	61044	17.69	ug/l	94
96) 1,2,3-Trichlorobenzene	8.733	180	50034	15.44	ug/l	94
97) Naphthalene	8.595	128	100559	13.35	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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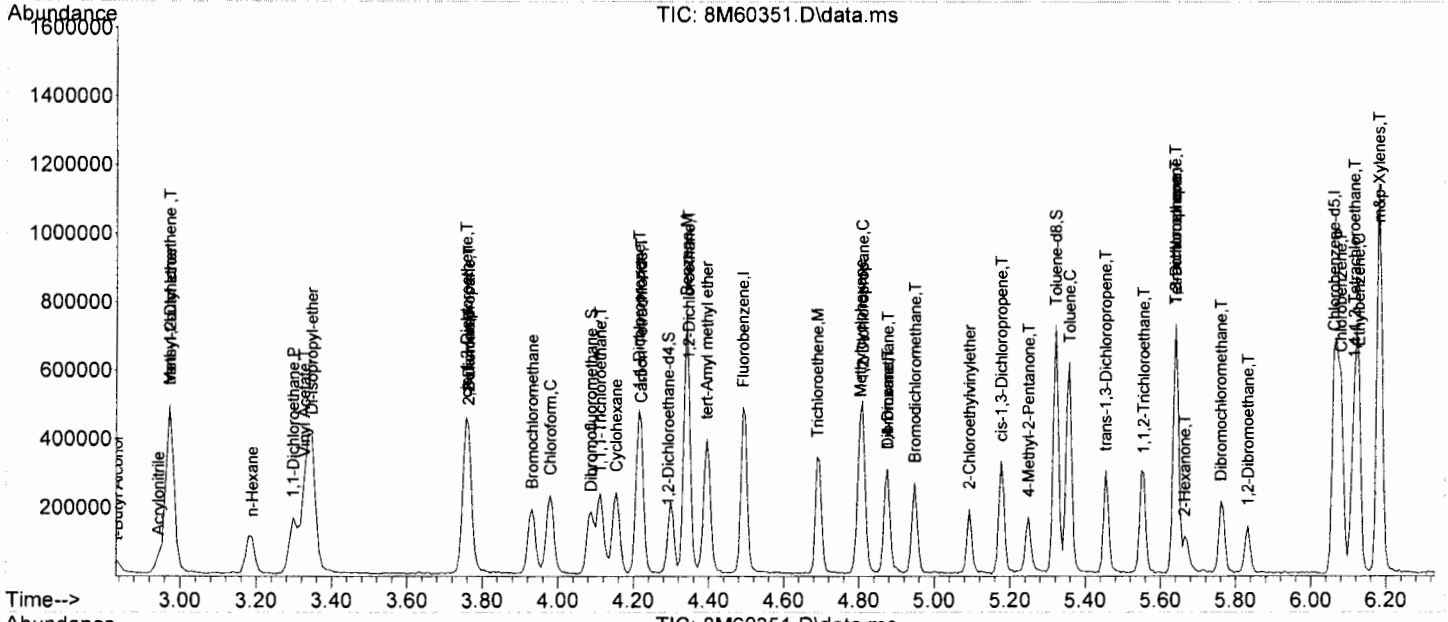
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 8M60351.D
Acq On : 11/30/10 06:56
Operator : WP
Sam Mult : 1 Vial# : 84
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 11/30/10 07:08
Qt Upd On: 11/19/10 10:47
Abundance
Time-->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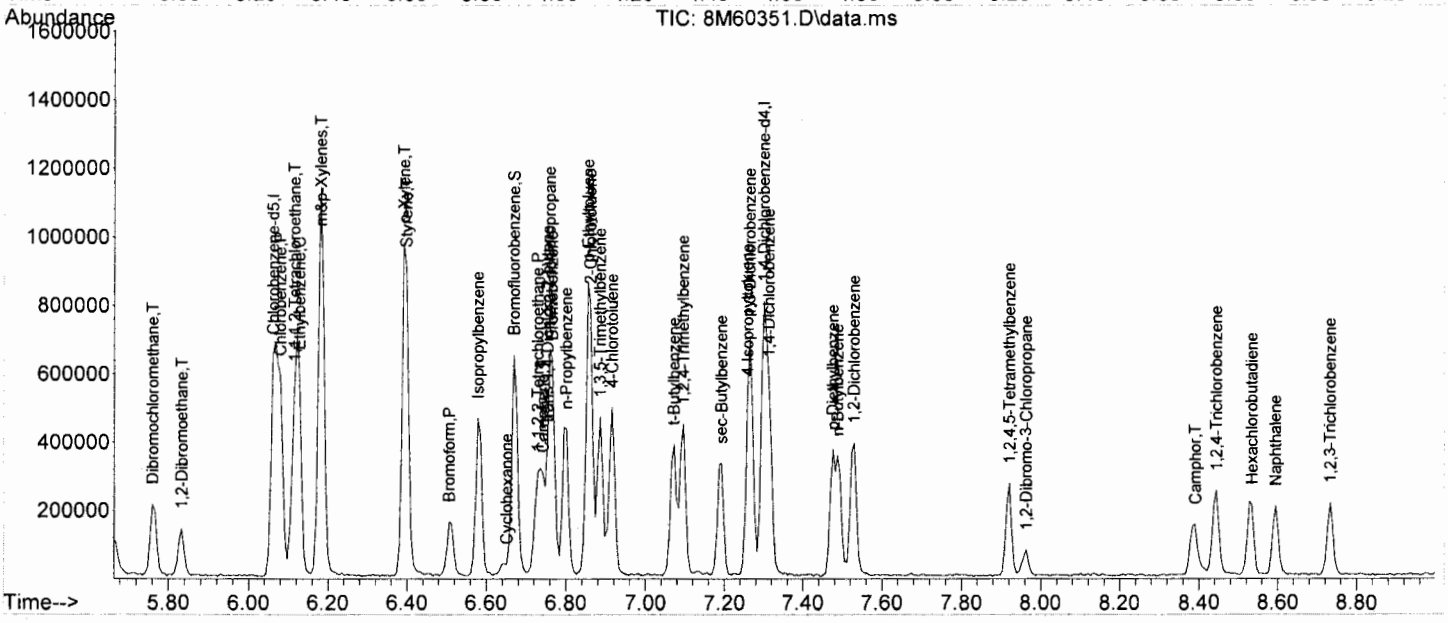
Time-->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Abundance
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 8M60438.D **Instrument:** GCMS 8

Cont Calibration Date/Time 12/1/2010 8:11:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.51	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.32	5.49				0.808			
Dichlorodifluoromethane	1	0		1.32	24.25	20			0.296	0.359	21.25	
Chloromethane	1	0	CP	1.46	26.91	20	0.1		0.385	0.517	34.55	
Bromomethane	1	0		1.79	31.66	20			0.157	0.249	58.30	
Vinyl Chloride	1	0	CC	1.53	22.02	20	20		0.366	0.403	10.10	
Chloroethane	1	0		1.85	24.51	20			0.222	0.272	22.55	
Trichlorofluoromethane	1	0		2.05	19.78	20			0.540	0.534	1.10	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.42	21.08	20			0.242	0.255	5.40	
Methylene Chloride	1	0		2.79	17.68	20			0.459	0.489	11.60	
Acrolein	1	0		2.35	121.95	100			0.062	0.068	21.95	
Acrylonitrile	1	0		2.96	23.92	20			0.183	0.219	19.60	
Iodomethane	1	0		2.55	20.76	20			0.486	0.607	3.80	
Acetone	1	0		2.46	100.99	100			0.164	0.190	0.99	
Carbon Disulfide	1	0		2.61	17.32	20			1.064	0.921	13.40	
t-Butyl Alcohol	1	0		2.85	80.02	100			0.040	0.029	19.98	
n-Hexane	1	0		3.21	18.52	20			0.307	0.284	7.40	
Di-isopropyl-ether	1	0		3.37	19.32	20			1.970	1.902	3.40	
1.1-Dichloroethene	1	0	CC	2.43	19.06	20	20		0.664	0.633	4.70	
Methyl Acetate	1	0		2.71	24.76	20			0.573	0.579	23.80	
Methyl-t-butyl ether	1	0		2.99	14.98	20			0.995	0.745	25.10	
1.1-Dichloroethane	1	0	CP	3.33	21.64	20	0.1		0.850	0.920	8.20	
trans-1.2-Dichloroethene	1	0		3.00	22.07	20			0.389	0.429	10.35	
cis-1.2-Dichloroethene	1	0		3.78	20.51	20			0.756	0.776	2.55	
Bromochloromethane	1	0		3.95	22.36	20			0.435	0.486	11.80	
2.2-Dichloropropane	1	0		3.79	18.76	20			0.472	0.443	6.20	
1.4-Dioxane	1	0		4.89	1098.59	1000			0.004	0.004	9.86	
1.1-Dichloropropene	1	0		4.23	21.54	20			0.497	0.536	7.70	
Chloroform	1	0	CC	4.00	21.25	20	20		0.665	0.706	6.25	
Dibromofluoromethane	1	0	S	4.11	32.38	30			0.285	0.307	7.93	
Cyclohexane	1	0		4.17	19.00	20			0.516	0.490	5.00	
1.2-Dichloroethane-d4	1	0	S	4.32	31.71	30			0.065	0.069	5.70	
1.2-Dichloroethane	1	0		4.36	20.62	20			0.642	0.662	3.10	
2-Butanone	1	0		3.79	20.23	20			0.263	0.266	1.15	
1.1.1-Trichloroethane	1	0		4.13	19.66	20			0.514	0.506	1.70	
Carbon Tetrachloride	1	0		4.24	21.79	20			0.438	0.477	8.95	
Vinyl Acetate	1	0		3.36	19.94	20			2.106	2.100	0.30	
Bromodichloromethane	1	0		4.97	21.41	20			0.531	0.569	7.05	
Methylcyclohexane	1	0		4.82	19.23	20			0.272	0.262	3.85	
Dibromomethane	1	0		4.89	26.93	20			0.311	0.419	34.65	
1.2-Dichloropropane	1	0	CC	4.83	22.29	20	20		0.408	0.454	11.45	
Trichloroethene	1	0		4.71	23.94	20			0.358	0.428	19.70	
Benzene	1	0		4.36	22.86	20			1.412	1.614	14.30	
tert-Amyl methyl ether	1	0		4.41	12.75	20			0.936	0.597	36.25	
Chlorobenzene-d5	1	0	I	6.08	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		5.78	18.59	20			0.498	0.463	7.05	
2-Chloroethylvinylether	1	0		5.10	15.84	20			0.340	0.269	20.80	
cis-1.3-Dichloropropene	1	0		5.20	16.52	20			0.733	0.625	17.40	
trans-1.3-Dichloropropene	1	0		5.47	15.98	20			0.611	0.557	20.10	
1.1.2-Trichloroethane	1	0		5.57	20.89	20			0.388	0.405	4.45	
1.2-Dibromoethane	1	0		5.85	18.75	20			0.421	0.395	6.25	
1.3-Dichloropropane	1	0		5.66	19.55	20			0.724	0.708	2.25	
4-Methyl-2-Pentanone	1	0		5.26	16.09	20			0.739	0.595	19.55	
2-Hexanone	1	0		5.68	16.90	20			0.521	0.440	15.50	
Tetrachloroethene	1	0		5.66	20.64	20			0.398	0.410	3.20	
Toluene-d8	1	0	S	5.34	26.96	30			0.846	0.760	10.13	
Toluene	1	0	CC	5.37	19.74	20	20		1.012	0.999	1.30	
1.1.1.2-Tetrachloroethane	1	0		6.13	20.43	20			0.390	0.398	2.15	
Chlorobenzene	1	0	CP	6.10	19.78	20	0.3		1.063	1.051	1.10	
1.4-Dichlorobenzene-d4	1	0	I	7.31	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.53	19.16	20	0.1		0.689	0.660	4.20	
Ethylbenzene	1	0	CC	6.14	19.30	20	20		0.845	0.816	3.50	
1.1.2.2-Tetrachloroethane	1	0	CP	6.74	18.04	20	0.3		0.916	0.826	9.80	
Bromofluorobenzene	1	0	S	6.69	31.02	30			0.971	1.004	3.40	
Styrene	1	0		6.41	18.91	20			1.783	1.686	5.45	
m&p-Xylenes	1	0		6.20	36.02	40			1.062	0.956	9.95	
o-Xylene	1	0		6.41	19.77	20			1.013	1.001	1.15	
trans-1.4-Dichloro-2-butene	1	0		6.77	18.34	20			0.459	0.396	8.30	
1.3-Dichlorobenzene	1	0		7.28	18.93	20			1.399	1.325	5.35	
1.4-Dichlorobenzene	1	0		7.33	18.87	20			1.416	1.336	5.65	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 8M60438.D **Instrument:** GCMS 8

Cont Calibration Date/Time 12/1/2010 8:11:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		7.54	18.90	20			1.390	1.313	5.50	
Isopropylbenzene	1	0		6.60	17.72	20			2.338	2.072	11.40	
Cyclohexanone	1	0		6.66	101.50				0.038			
Camphene	1	0		6.75	13.85	20			0.665	0.460	30.75	
1,2,3-Trichloropropane	1	0		6.77	16.66	20			1.152	0.914	16.70	
2-Chlorotoluene	1	0		6.87	16.72	20			2.339	1.955	16.40	
p-Ethyltoluene	1	0		6.87	17.19				2.460			
4-Chlorotoluene	1	0		6.93	17.43	20			2.281	1.987	12.85	
n-Propylbenzene	1	0		6.81	17.50	20			2.799	2.449	12.50	
Bromobenzene	1	0		6.78	17.46	20			2.128	1.858	12.70	
1,3,5-Trimethylbenzene	1	0		6.90	18.04	20			1.847	1.666	9.80	
t-Butylbenzene	1	0		7.08	16.73	20			1.608	1.345	16.35	
1,2,4-Trimethylbenzene	1	0		7.11	16.89	20			2.033	1.716	15.55	
sec-Butylbenzene	1	0		7.21	16.11	20			1.951	1.572	19.45	
4-Isopropyltoluene	1	0		7.28	17.30	20			1.500	1.298	13.50	
n-Butylbenzene	1	0		7.51	16.37	20			1.814	1.485	18.15	
p-Diethylbenzene	1	0		7.49	12.97				0.890			
1,2,4,5-Tetramethylbenzene	1	0		7.93	14.11				1.503			
1,2-Dibromo-3-Chloropropane	1	0		7.98	16.34	20			0.182	0.157	18.30	
Camphor	1	0		8.40	108.48	200			0.073	0.038	45.76	
Hexachlorobutadiene	1	0		8.55	13.63	20			0.503	0.429	31.85	
1,2,4-Trichlorobenzene	1	0		8.46	17.14	20			0.820	0.703	14.30	
1,2,3-Trichlorobenzene	1	0		8.75	15.64	20			0.770	0.602	21.80	
Naphthalene	1	0		8.61	14.66	20			1.790	1.312	26.70	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 8M60438.D
Acq On : 12/ 1/10 08:11

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML

Qt Meth : 8M_A1109.M
Qt On : 12/01/10 08:25
Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	222507	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.080	117	200140	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	125430	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.106	111	68401	32.38	ug/l	0.00
Spiked Amount 30.000			Recovery =	107.93%		
35) 1,2-Dichloroethane-d4	4.317	102	15326	31.71	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.70%		
59) Toluene-d8	5.340	100	152179	26.96	ug/l	0.00
Spiked Amount 30.000			Recovery =	89.87%		
67) Bromofluorobenzene	6.688	174	125967	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery =	103.40%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.324	51	32908	5.49	ug/l	1
6) Dichlorodifluoromethane	1.324	85	53255	24.25	ug/l	93
7) Chloromethane	1.456	50	76744	26.91	ug/l	80
8) Bromomethane	1.786	94	36864	31.66	ug/l	86
9) Vinyl Chloride	1.531	62	59742	22.02	ug/l	95
10) Chloroethane	1.852	64	40404	24.51	ug/l	94
11) Trichlorofluoromethane	2.050	101	79166	19.78	ug/l	90
12) 1,1,2-Trichloro-1,2,2-...	2.421	101	37874	21.08	ug/l	94
13) Methylene Chloride	2.786	84	72554	17.68	ug/l	83
14) Acrolein	2.352	56	50567	121.95	ug/l	97
15) Acrylonitrile	2.963	53	32416	23.92	ug/l	98
16) Iodomethane	2.549	142	90112	20.76	ug/l	97
17) Acetone	2.460	43	141208	100.99	ug/l	94
18) Carbon Disulfide	2.608	76	136688	17.32	ug/l	100
19) t-Butyl Alcohol	2.855	59	21215	80.02	ug/l	94
20) n-Hexane	3.209	57	42201	18.52	ug/l	87
21) Di-isopropyl-ether	3.367	45	282209	19.32	ug/l	81
22) 1,1-Dichloroethene	2.431	61	93849	19.06	ug/l	93
23) Methyl Acetate	2.707	43	85836	24.76	ug/l	100
24) Methyl-t-butyl ether	2.992	73	110524	14.98	ug/l	94
25) 1,1-Dichloroethane	3.328	63	136450	21.64	ug/l	95
26) trans-1,2-Dichloroethene	3.002	96	63636	22.07	ug/l	77
27) cis-1,2-Dichloroethene	3.781	61	115054	20.51	ug/l	92
28) Bromochloromethane	3.950	49	72072	22.36	ug/l	85
29) 2,2-Dichloropropane	3.787	77	65644	18.76	ug/l	91
30) 1,4-Dioxane	4.894	88	30220	1098.59	ug/l	75
31) 1,1-Dichloropropene	4.232	75	79440	21.54	ug/l	95
32) Chloroform	4.004	83	104752	21.25	ug/l	95
34) Cyclohexane	4.172	56	72720	19.00	ug/l	81
36) 1,2-Dichloroethane	4.365	62	98153	20.62	ug/l	92
37) 2-Butanone	3.787	43	39410	20.23	ug/l	81
38) 1,1,1-Trichloroethane	4.130	97	75026	19.66	ug/l	99
39) Carbon Tetrachloride	4.238	117	70825	21.79	ug/l	89
40) Vinyl Acetate	3.357	43	311485	19.94	ug/l	100
41) Bromodichloromethane	4.967	83	84360	21.41	ug/l	96
42) Methylcyclohexane	4.822	83	38807	19.23	ug/l	95
43) Dibromomethane	4.894	174	62171	26.93	ug/l	94
44) 1,2-Dichloropropane	4.828	63	67403	22.29	ug/l	87
45) Trichloroethene	4.708	130	63560	23.94	ug/l	91
46) Benzene	4.359	78	239435	22.86	ug/l	100
47) tert-Amyl methyl ether	4.413	73	88512	12.75	ug/l	97
49) Dibromochloromethane	5.779	129	61726	18.59	ug/l	99
50) 2-Chloroethylvinylether	5.105	63	35950	15.84	ug/l	85
51) cis-1,3-Dichloropropene	5.195	75	83344	16.52	ug/l	100
52) trans-1,3-Dichloropropene	5.472	75	74334	15.98	ug/l	92
53) 1,1,2-Trichloroethane	5.568	97	54059	20.89	ug/l	96
54) 1,2-Dibromoethane	5.845	107	52657	18.75	ug/l	94
55) 1,3-Dichloropropane	5.659	76	94450	19.55	ug/l	97
56) 4-Methyl-2-Pentanone	5.261	43	79358	16.09	ug/l	99
57) 2-Hexanone	5.683	43	58746	16.90	ug/l	79
58) Tetrachloroethene	5.659	164	54767	20.64	ug/l	97
60) Toluene	5.370	92	133291	19.74	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.128	133	53106	20.43	ug/l	98
62) Chlorobenzene	6.098	112	140263	19.78	ug/l	94
64) Bromoform	6.525	173	55205	19.16	ug/l	99
65) Ethylbenzene	6.140	106	68208	19.30	ug/l	78
66) 1,1,2,2-Tetrachloroethane	6.742	83	69110	18.04	ug/l	87
68) Styrene	6.411	104	140989	18.91	ug/l	94
69) m&p-Xylenes	6.200	106	159888	36.02	ug/l	97

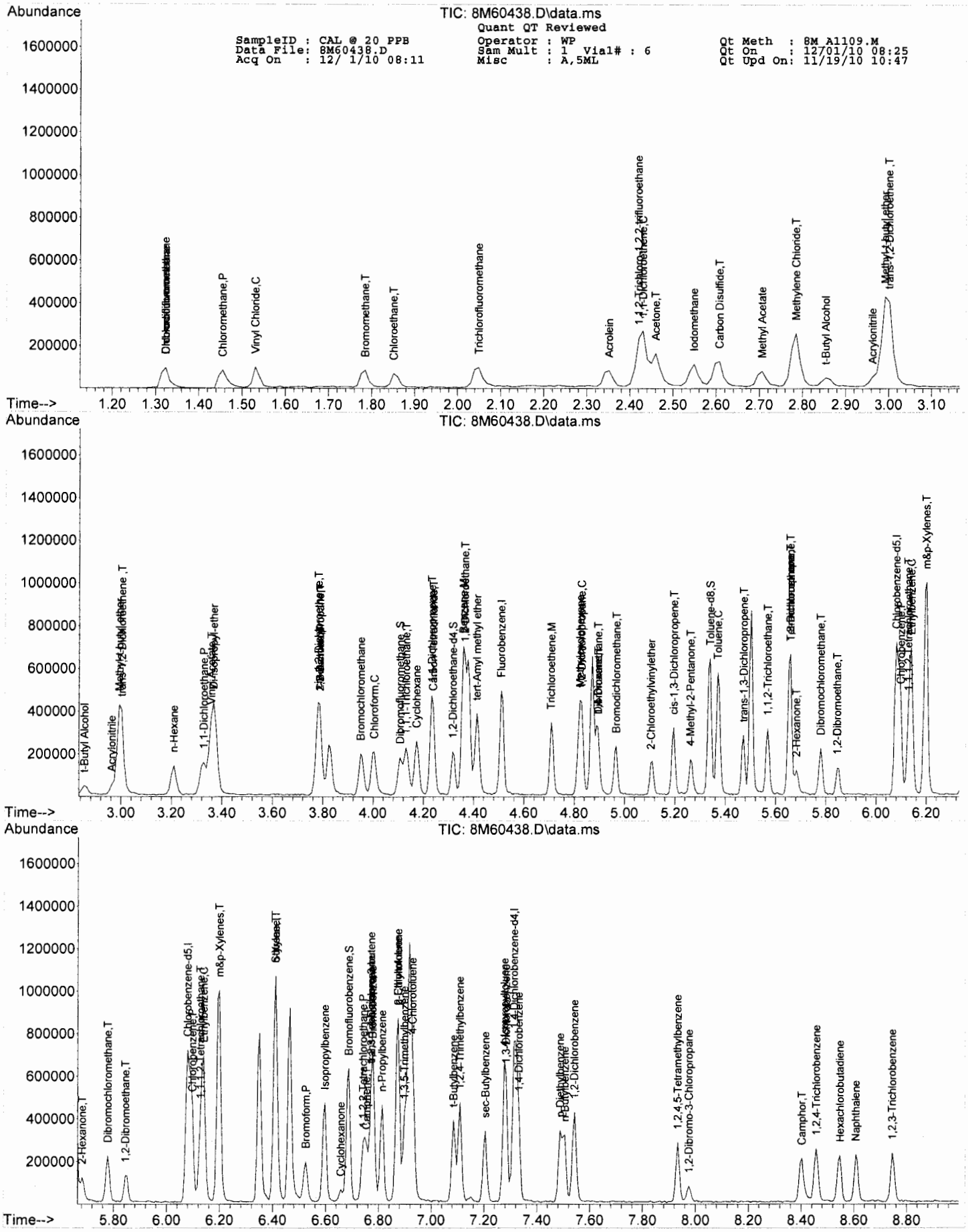
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60438.D Sam Mult : 1 Vial# : 6 Qt On : 12/01/10 08:25
Acq On : 12/ 1/10 08:11 Misc : A,5ML Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.411	106	83717	19.77	ug/l	85
71) trans-1,4-Dichloro-2-b...	6.772	53	33100	18.34	ug/l	1
72) 1,3-Dichlorobenzene	7.283	146	110766	18.93	ug/l	98
73) 1,4-Dichlorobenzene	7.331	146	111710	18.87	ug/l	91
74) 1,2-Dichlorobenzene	7.542	146	109834	18.90	ug/l	96
75) Isopropylbenzene	6.597	105	173229	17.72	ug/l	99
76) Cyclohexanone	6.657	55	16324	101.50	ug/l	93
77) Camphene	6.754	93	38491	13.85	ug/l	98
78) 1,2,3-Trichloropropane	6.772	75	76438	16.66	ug/l	93
79) 2-Chlorotoluene	6.874	91	163517	16.72	ug/l	96
80) p-Ethyltoluene	6.874	105	176783	17.19	ug/l	91
81) 4-Chlorotoluene	6.928	91	166173	17.43	ug/l	98
82) n-Propylbenzene	6.814	91	204777	17.50	ug/l	98
83) Bromobenzene	6.778	77	155349	17.46	ug/l	90
84) 1,3,5-Trimethylbenzene	6.898	105	139299	18.04	ug/l	91
85) t-Butylbenzene	7.085	119	112498	16.73	ug/l	92
86) 1,2,4-Trimethylbenzene	7.109	105	143502	16.89	ug/l	91
87) sec-Butylbenzene	7.205	105	131413	16.11	ug/l	100
88) 4-Isopropyltoluene	7.277	119	108542	17.30	ug/l	97
89) n-Butylbenzene	7.506	91	124154	16.37	ug/l	99
90) p-Diethylbenzene	7.488	119	61963	12.97	ug/l	89
91) 1,2,4,5-Tetramethylben...	7.933	119	88685	14.11	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	7.975	157	13136	16.34	ug/l	96
93) Camphor	8.403	95	32020	108.48	ug/l	99
94) Hexachlorobutadiene	8.547	225	35869	13.63	ug/l	96
95) 1,2,4-Trichlorobenzene	8.457	180	58758	17.14	ug/l	93
96) 1,2,3-Trichlorobenzene	8.746	180	50366	15.64	ug/l	96
97) Naphthalene	8.607	128	109719	14.66	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL @ 20 PPB
Data File: 8M60438.D
Acq On : 12/ 1/10 08:11
Quant QT Reviewed
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 8M_A1109.M
Qt On : 12701/10 08:25
Qt Upd On: 11/19/10 10:47
Abundance
Time-->

Form7

Continuing Calibration

Calibration Name: CAL@ 20 PPB **Data File:** 8M61784.D **Instrument:** GCMS 8

Cont Calibration Date/Time 12/30/2010 6:35:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.48	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.30	19.99				0.755			
Dichlorodifluoromethane	1	0		1.30	15.52	20			0.408	0.317	22.40	
Chloromethane	1	0	CP	1.44	19.33	20	0.1		0.520	0.537	3.35	
Bromomethane	1	0		1.76	28.65	20			0.161	0.231	43.25	
Vinyl Chloride	1	0	CC	1.51	21.33	20	20		0.323	0.345	6.65	
Chloroethane	1	0		1.83	25.18	20			0.230	0.243	25.90	
Trichlorofluoromethane	1	0		2.02	24.82	20			0.368	0.457	24.10	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.39	20.66	20			0.211	0.218	3.30	
Methylene Chloride	1	0		2.75	18.67	20			0.436	0.407	6.65	
Acrolein	1	0		2.32	98.42	100			0.071	0.069	1.58	
Acrylonitrile	1	0		2.93	20.72	20			0.165	0.171	3.60	
Iodomethane	1	0		2.52	20.44	20			0.545	0.557	2.20	
Acetone	1	0		2.43	106.57	100			0.156	0.149	6.57	
Carbon Disulfide	1	0		2.57	17.80	20			1.251	1.114	11.00	
t-Butyl Alcohol	1	0		2.81	89.64	100			0.023	0.021	10.36	
n-Hexane	1	0		3.17	19.17	20			0.246	0.236	4.15	
Di-isopropyl-ether	1	0		3.34	21.60	20			1.646	1.778	8.00	
1.1-Dichloroethene	1	0	CC	2.40	19.49	20	20		0.549	0.534	2.55	
Methyl Acetate	1	0		2.67	19.15	20			0.470	0.420	4.25	
Methyl-t-butyl ether	1	0		2.96	21.80	20			0.690	0.752	9.00	
1.1-Dichloroethane	1	0	CP	3.29	18.86	20	0.1		0.786	0.741	5.70	
trans-1.2-Dichloroethene	1	0		2.96	19.38	20			0.385	0.337	3.10	
cis-1.2-Dichloroethene	1	0		3.74	18.83	20			0.680	0.640	5.85	
Bromochloromethane	1	0		3.92	21.68	20			0.429	0.429	8.40	
2.2-Dichloropropane	1	0		3.75	19.34	20			0.393	0.380	3.30	
1.4-Dioxane	1	0		4.87	1062.73	1000			0.003	0.003	6.27	
1.1-Dichloropropene	1	0		4.21	20.23	20			0.451	0.457	1.15	
Chloroform	1	0	CC	3.97	18.99	20	20		0.628	0.596	5.05	
Dibromofluoromethane	1	0	S	4.07	31.43	30			0.280	0.294	4.77	
Cyclohexane	1	0		4.14	18.78	20			0.413	0.387	6.10	
1.2-Dichloroethane-d4	1	0	S	4.29	27.59	30			0.063	0.058	8.03	
1.2-Dichloroethane	1	0		4.33	21.08	20			0.575	0.606	5.40	
2-Butanone	1	0		3.75	23.56	20			0.237	0.241	17.80	
1.1.1-Trichloroethane	1	0		4.10	18.46	20			0.468	0.432	7.70	
Carbon Tetrachloride	1	0		4.21	18.82	20			0.389	0.366	5.90	
Vinyl Acetate	1	0		3.32	21.29	20			1.886	2.008	6.45	
Bromodichloromethane	1	0		4.94	18.50	20			0.504	0.466	7.50	
Methylcyclohexane	1	0		4.79	20.82	20			0.215	0.224	4.10	
Dibromomethane	1	0		4.87	20.27	20			0.323	0.335	1.35	
1.2-Dichloropropane	1	0	CC	4.80	20.21	20	20		0.390	0.394	1.05	
Trichloroethene	1	0		4.68	19.43	20			0.351	0.341	2.85	
Benzene	1	0		4.33	19.28	20			1.367	1.317	3.60	
tert-Amyl methyl ether	1	0		4.39	21.71	20			0.565	0.613	8.55	
Chlorobenzene-d5	1	0	I	6.06	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		5.76	17.63	20			0.496	0.437	11.85	
2-Chloroethylvinylether	1	0		5.09	13.29	20			0.290	0.237	33.55	
cis-1.3-Dichloropropene	1	0		5.17	16.98	20			0.735	0.624	15.10	
trans-1.3-Dichloropropene	1	0		5.45	13.02	20			0.616	0.503	34.90	
1.1.2-Trichloroethane	1	0		5.55	16.36	20			0.413	0.338	18.20	
1.2-Dibromoethane	1	0		5.83	15.67	20			0.442	0.346	21.65	
1.3-Dichloropropane	1	0		5.63	18.24	20			0.743	0.677	8.80	
4-Methyl-2-Pentanone	1	0		5.24	17.72	20			0.638	0.565	11.40	
2-Hexanone	1	0		5.66	18.21	20			0.422	0.385	8.95	
Tetrachloroethene	1	0		5.63	15.27	20			0.423	0.343	23.65	
Toluene-d8	1	0	S	5.31	27.55	30			0.871	0.799	8.17	
Toluene	1	0	CC	5.35	16.57	20	20		1.094	0.907	17.15	
1.1.1.2-Tetrachloroethane	1	0		6.11	16.75	20			0.422	0.354	16.25	
Chlorobenzene	1	0	CP	6.07	16.82	20	0.3		1.164	0.979	15.90	
1.4-Dichlorobenzene-d4	1	0	I	7.29	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.51	15.01	20	0.1		0.745	0.559	24.95	
Ethylbenzene	1	0	CC	6.12	19.28	20	20		0.943	0.825	3.60	
1.1.2.2-Tetrachloroethane	1	0	CP	6.72	16.67	20	0.3		1.042	0.784	16.65	
Bromofluorobenzene	1	0	S	6.67	30.58	30			1.023	1.043	1.93	
Styrene	1	0		6.39	17.99	20			1.767	1.589	10.05	
m&p-Xylenes	1	0		6.17	34.73	40			1.088	0.945	13.18	
o-Xylene	1	0		6.39	17.39	20			1.025	0.891	13.05	
trans-1.4-Dichloro-2-butene	1	0		6.75	16.75	20			0.449	0.376	16.25	
1.3-Dichlorobenzene	1	0		7.26	16.91	20			1.464	1.238	15.45	
1.4-Dichlorobenzene	1	0		7.31	16.32	20			1.614	1.317	18.40	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL@ 20 PPB **Data File:** 8M61784.D **Instrument:** GCMS 8

Cont Calibration Date/Time 12/30/2010 6:35:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		7.52	16.23	20			1.518	1.232	18.85	
Isopropylbenzene	1	0		6.57	16.68	20			2.206	1.840	16.60	
Cyclohexanone	1	0		6.64	65.76				0.035			
Camphene	1	0		6.73	17.09	20			0.603	0.515	14.55	
1.2.3-Trichloropropane	1	0		6.75	16.79	20			1.094	0.918	16.05	
2-Chlorotoluene	1	0		6.85	17.32	20			2.264	1.960	13.40	
p-Ethyltoluene	1	0		6.85	17.37				2.231			
4-Chlorotoluene	1	0		6.91	16.27	20			2.299	1.870	18.65	
n-Propylbenzene	1	0		6.79	16.23	20			2.856	2.318	18.85	
Bromobenzene	1	0		6.76	16.08	20			2.205	1.773	19.60	
1.3.5-Trimethylbenzene	1	0		6.88	17.13	20			1.895	1.623	14.35	
t-Butylbenzene	1	0		7.07	16.15	20			1.575	1.272	19.25	
1.2.4-Trimethylbenzene	1	0		7.09	15.51	20			2.045	1.585	22.45	
sec-Butylbenzene	1	0		7.19	17.04	20			1.846	1.573	14.80	
4-Isopropyltoluene	1	0		7.26	17.76	20			1.468	1.303	11.20	
n-Butylbenzene	1	0		7.49	16.38	20			1.800	1.474	18.10	
p-Diethylbenzene	1	0		7.47	16.50				0.887			
1.2.4.5-Tetramethylbenzene	1	0		7.91	14.03				1.310			
1.2-Dibromo-3-Chloropropane	1	0		7.96	19.90	20			0.171	0.127	0.50	
Camphor	1	0		8.38	122.22	200			0.049	0.043	38.89	
Hexachlorobutadiene	1	0		8.53	13.29	20			0.625	0.415	33.55	
1.2.4-Trichlorobenzene	1	0		8.44	16.45	20			0.875	0.719	17.75	
1.2.3-Trichlorobenzene	1	0		8.73	15.98	20			0.812	0.649	20.10	
Naphthalene	1	0		8.59	13.33	20			1.607	1.298	33.35	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL@ 20 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M61784.D Sam Mult : 1 Vial# : 5 Qt On : 12/30/10 06:48
Acq On : 12/30/10 06:35 Misc : A,5ML Qt Upd On: 12/10/10 08:09

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.484	96	221637	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.061	117	183422	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.294	152	104118	30.00	ug/l	-0.02
System Monitoring Compounds						
33) Dibromofluoromethane	4.075	111	65068	31.43	ug/l	-0.03
Spiked Amount 30.000			Recovery = 104.77%			
35) 1,2-Dichloroethane-d4	4.291	102	12924	27.59	ug/l	-0.02
Spiked Amount 30.000			Recovery = 91.97%			
59) Toluene-d8	5.314	100	146632	27.55	ug/l	-0.02
Spiked Amount 30.000			Recovery = 91.83%			
67) Bromofluorobenzene	6.668	174	108616	30.58	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.305	51	111478	19.99	ug/l	61
6) Dichlorodifluoromethane	1.305	85	46808	15.52	ug/l	91
7) Chloromethane	1.437	50	79321	19.33	ug/l	87
8) Bromomethane	1.757	94	34170	28.65	ug/l	94
9) Vinyl Chloride	1.512	62	50956	21.33	ug/l	93
10) Chloroethane	1.833	64	35894	25.18	ug/l	98
11) Trichlorofluoromethane	2.021	101	67513	24.82	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.390	101	32268	20.66	ug/l	89
13) Methylene Chloride	2.755	84	60100	18.67	ug/l	90
14) Acrolein	2.321	56	51308	98.42	ug/l	99
15) Acrylonitrile	2.932	53	25328	20.72	ug/l	78
16) Iodomethane	2.518	142	82342	20.44	ug/l	99
17) Acetone	2.430	43	110206	106.57	ug/l	99
18) Carbon Disulfide	2.568	76	164558	17.80	ug/l	100
19) t-Butyl Alcohol	2.814	59	15170	89.64	ug/l	96
20) n-Hexane	3.169	57	34832	19.17	ug/l	92
21) Di-isopropyl-ether	3.336	45	262725	21.60	ug/l	83
22) 1,1-Dichloroethene	2.400	61	78965	19.49	ug/l	96
23) Methyl Acetate	2.666	43	62026	19.15	ug/l	100
24) Methyl-t-butyl ether	2.962	73	111117	21.80	ug/l	86
25) 1,1-Dichloroethane	3.287	63	109440	18.86	ug/l	97
26) trans-1,2-Dichloroethene	2.962	96	49721	19.38	ug/l	69
27) cis-1,2-Dichloroethene	3.744	61	94606	18.83	ug/l	99
28) Bromochloromethane	3.918	49	63372	21.68	ug/l	84
29) 2,2-Dichloropropane	3.750	77	56191	19.34	ug/l	91
30) 1,4-Dioxane	4.869	88	23146	1062.73	ug/l	61
31) 1,1-Dichloropropene	4.207	75	67463	20.23	ug/l	98
32) Chloroform	3.966	83	88110	18.99	ug/l	99
34) Cyclohexane	4.141	56	57255	18.78	ug/l	84
36) 1,2-Dichloroethane	4.333	62	89547	21.08	ug/l	98
37) 2-Butanone	3.750	43	35545	23.56	ug/l	75
38) 1,1,1-Trichloroethane	4.099	97	63810	18.46	ug/l	96
39) Carbon Tetrachloride	4.207	117	54091	18.82	ug/l	80
40) Vinyl Acetate	3.316	43	296645	21.29	ug/l	100
41) Bromodichloromethane	4.941	83	68846	18.50	ug/l	94
42) Methylcyclohexane	4.791	83	33037	20.82	ug/l	97
43) Dibromomethane	4.869	174	49572	20.27	ug/l	91
44) 1,2-Dichloropropane	4.803	63	58244	20.21	ug/l	85
45) Trichloroethene	4.683	130	50374	19.43	ug/l	95
46) Benzene	4.333	78	194659	19.28	ug/l	100
47) tert-Amyl methyl ether	4.388	73	90598	21.71	ug/l	85
49) Dibromochloromethane	5.760	129	53422	17.63	ug/l	98
50) 2-Chloroethylvinylether	5.086	63	29023	13.29	ug/l	91
51) cis-1,3-Dichloropropene	5.170	75	76333	16.98	ug/l	87
52) trans-1,3-Dichloropropene	5.447	75	61523	13.02	ug/l	98
53) 1,1,2-Trichloroethane	5.549	97	41301	16.36	ug/l	96
54) 1,2-Dibromoethane	5.826	107	42290	15.67	ug/l	95
55) 1,3-Dichloropropane	5.633	76	82840	18.24	ug/l	96
56) 4-Methyl-2-Pentanone	5.242	43	69085	17.72	ug/l	98
57) 2-Hexanone	5.663	43	47033	18.21	ug/l	85
58) Tetrachloroethene	5.633	164	41920	15.27	ug/l	87
60) Toluene	5.350	92	110853	16.57	ug/l	93
61) 1,1,1,2-Tetrachloroethane	6.109	133	43248	16.75	ug/l	98
62) Chlorobenzene	6.073	112	119700	16.82	ug/l	96
64) Bromoform	6.506	173	38814	15.01	ug/l	95
65) Ethylbenzene	6.121	106	57271	19.28	ug/l	98
66) 1,1,2,2-Tetrachloroethane	6.722	83	54403	16.67	ug/l	87
68) Styrene	6.391	104	110322	17.99	ug/l	94
69) m&p-Xylenes	6.175	106	131136	34.73	ug/l	94

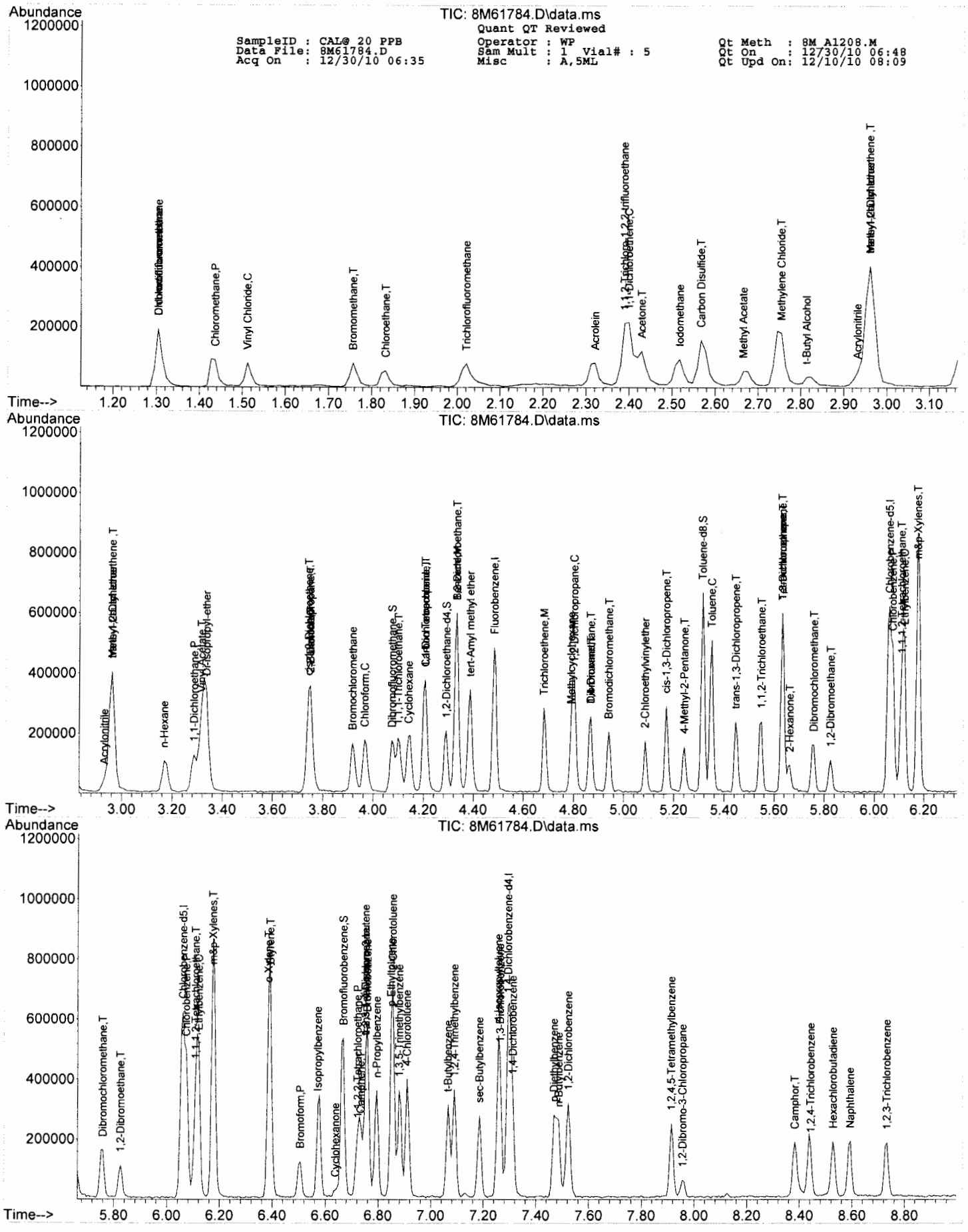
Quantitation Report (QT Reviewed)

SampleID : CAL@ 20 PPB Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M61784.D Sam Mult : 1 Vial# : 5 Qt On : 12/30/10 06:48
Acq On : 12/30/10 06:35 Misc : A,5ML Qt Upd On: 12/10/10 08:09

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.385	106	61865	17.39	ug/l	92
71)	trans-1,4-Dichloro-2-b...	6.753	53	26117	16.75	ug/l	1
72)	1,3-Dichlorobenzene	7.264	146	85965	16.91	ug/l	98
73)	1,4-Dichlorobenzene	7.312	146	91402	16.32	ug/l	93
74)	1,2-Dichlorobenzene	7.523	146	85516	16.23	ug/l	98
75)	Isopropylbenzene	6.572	105	127725	16.68	ug/l	98
76)	Cyclohexanone	6.638	55	9270	65.76	ug/l	94
77)	Camphene	6.734	93	35754	17.09	ug/l	92
78)	1,2,3-Trichloropropane	6.753	75	63728	16.79	ug/l	93
79)	2-Chlorotoluene	6.855	91	136064	17.32	ug/l	97
80)	p-Ethyltoluene	6.849	105	134460	17.37	ug/l	92
81)	4-Chlorotoluene	6.909	91	129808	16.27	ug/l	97
82)	n-Propylbenzene	6.795	91	160913	16.23	ug/l	99
83)	Bromobenzene	6.759	77	123049	16.08	ug/l	91
84)	1,3,5-Trimethylbenzene	6.879	105	112645	17.13	ug/l	92
85)	t-Butylbenzene	7.065	119	88259	16.15	ug/l	84
86)	1,2,4-Trimethylbenzene	7.090	105	110048	15.51	ug/l	93
87)	sec-Butylbenzene	7.186	105	109203	17.04	ug/l	96
88)	4-Isopropyltoluene	7.258	119	90454	17.76	ug/l	97
89)	n-Butylbenzene	7.487	91	102327	16.38	ug/l	98
90)	p-Diethylbenzene	7.469	119	50813	16.50	ug/l	91
91)	1,2,4,5-Tetramethylben...	7.914	119	78965	14.03	ug/l	96
92)	1,2-Dibromo-3-Chloropr...	7.956	157	8802	19.90	ug/l	92
93)	Camphor	8.383	95	29632	122.22	ug/l	98
94)	Hexachlorobutadiene	8.528	225	28823	13.29	ug/l	92
95)	1,2,4-Trichlorobenzene	8.443	180	49935	16.45	ug/l	93
96)	1,2,3-Trichlorobenzene	8.732	180	45025	15.98	ug/l	95
97)	Naphthalene	8.594	128	90120	13.33	ug/l	100

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


TIC: 8M61784.D\data.ms
Quant QT Reviewed
SampleID : CAL@ 20 PPB
Data File: 8M61784.D
Acq On : 12/30/10 06:35
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 8M_A1208.M
Qt On : 12730/10 06:48
Qt Upd On: 12/10/10 08:09
Abundance
Time-->

GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE **Data File:** 8M59437.D
Instrument: GCMS 8 **Analysis Date:** 11/09/10 08:00
Method: EPA 8260B
Tune Scan/Time Range: Average of 3.989 to 3.999 min

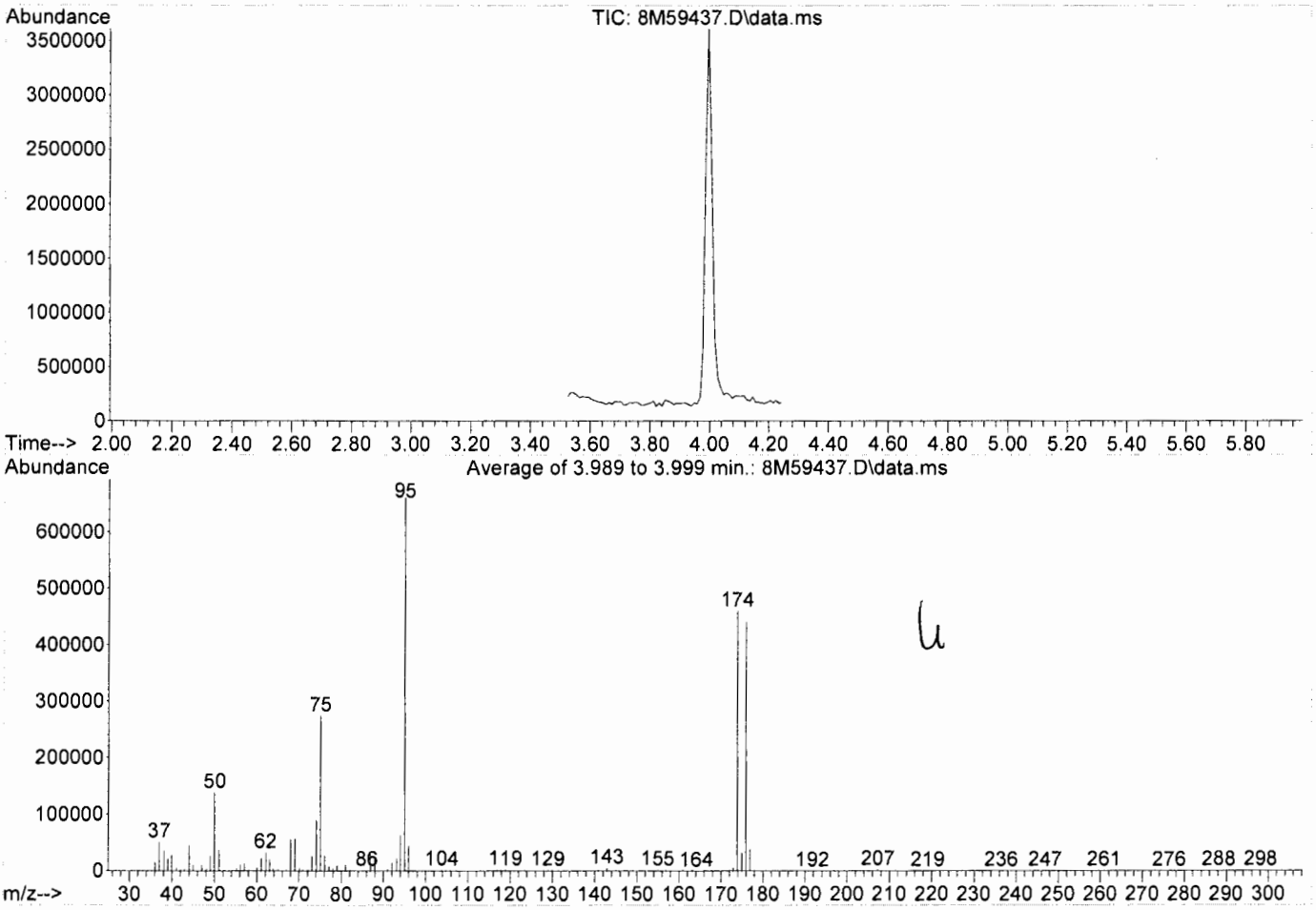
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.9	138404	PASS
75	95	30	60	41.4	273824	PASS
95	95	100	100	100.0	660640	PASS
96	95	5	9	6.7	44440	PASS
173	174	0.00	2	1.5	6711	PASS
174	95	50	100	69.6	460032	PASS
175	174	5	9	7.0	32316	PASS
176	174	95	101	95.7	440224	PASS
177	176	5	9	8.7	38212	PASS

Data File	Sample Number	Analysis Date:
8M59438.D	BLK	11/09/10 08:19
8M59439.D	CAL @ 20 PPB	11/09/10 08:35
8M59441.D	BLK	11/09/10 09:17
8M59442.D	CAL @ 1 PPB	11/09/10 09:33
8M59443.D	CAL @ 0.5 PPB	11/09/10 09:52
8M59444.D	CAL @ 5 PPB	11/09/10 10:09
8M59445.D	CAL @ 500 PPB	11/09/10 10:26
8M59446.D	CAL @ 250 PPB	11/09/10 10:42
8M59447.D	CAL @ 100 PPB	11/09/10 10:59
8M59448.D	CAL @ 50 PPB	11/09/10 11:15
8M59449.D	CAL @ 20 PPB	11/09/10 11:31
8M59450.D	CAL @ 10 PPB	11/09/10 11:48
8M59451.D	ICV	11/09/10 12:04
8M59452.D	STD	11/09/10 12:29
8M59453.D	BLK	11/09/10 12:46
8M59454.D	DAILY BLANK	11/09/10 13:02
8M59455.D	DAILY BLANK	11/09/10 13:19
8M59456.D	MBS2994	11/09/10 13:35
8M59457.D	MBS2995	11/09/10 13:52
8M59458.D	AC55493-017(MS:	11/09/10 14:08
8M59459.D	AC55493-018(MSD	11/09/10 14:25
8M59460.D	AC55492-001(500X	11/09/10 14:41
8M59461.D	BLK	11/09/10 14:58
8M59462.D	AC55525-002	11/09/10 15:14
8M59463.D	AC55525-003	11/09/10 15:31
8M59464.D	AC55526-017	11/09/10 15:47
8M59465.D	AC55524-003	11/09/10 16:04
8M59466.D	AC55524-004	11/09/10 16:21
8M59467.D	AC55530-002	11/09/10 16:37
8M59468.D	AC55530-003	11/09/10 16:54
8M59469.D	AC55548-006	11/09/10 17:10
8M59470.D	AC55548-005	11/09/10 17:27
8M59471.D	AC55525-001	11/09/10 17:43
8M59472.D	AC55526-015	11/09/10 18:00
8M59473.D	AC55526-016	11/09/10 18:16
8M59474.D	AC55524-001	11/09/10 18:33
8M59475.D	AC55530-001	11/09/10 18:49
8M59476.D	AC55531-001	11/09/10 19:05
8M59477.D	AC55531-002	11/09/10 19:22
8M59478.D	AC55531-003	11/09/10 19:38
8M59479.D	BLK	11/09/10 19:55

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-09-10\
Data File : 8M59437.D
Acq On : 9 Nov 2010 8:00
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_8\MethodQt\8M_A1101.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Nov 01 13:27:26 2010



Spectrum Information: Average of 3.989 to 3.999 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	138404	PASS
75	95	30	60	41.4	273824	PASS
95	95	100	100	100.0	660640	PASS
96	95	5	9	6.7	44440	PASS
173	174	0.00	2	1.5	6711	PASS
174	95	50	100	69.6	460032	PASS
175	174	5	9	7.0	32316	PASS
176	174	95	101	95.7	440224	PASS
177	176	5	9	8.7	38212	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60350.D
Analysis Date: 11/30/10 06:37
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.959 to 4.009 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	15.4	39791	PASS
75	95	30	60	41.9	108621	PASS
95	95	100	100	100.0	259087	PASS
96	95	5	9	7.0	18066	PASS
173	174	0.00	2	0.9	2084	PASS
174	95	50	100	92.7	240283	PASS
175	174	5	9	7.8	18631	PASS
176	174	95	101	100.4	241216	PASS
177	176	5	9	5.3	12679	PASS

Data File	Sample Number	Analysis Date:
8M60351.D	CAL @ 20 PPB	11/30/10 06:56
8M60352.D	BLK	11/30/10 07:18
8M60353.D	DAILY BLANK	11/30/10 07:35
8M60354.D	DAILY BLANK	11/30/10 07:51
8M60355.D	AC55949-008	11/30/10 08:12
8M60356.D	MBS3730	11/30/10 08:28
8M60357.D	MBS3731	11/30/10 08:44
8M60358.D	BLK	11/30/10 09:01
8M60359.D	AC55916-002	11/30/10 09:18
8M60360.D	AC55946-001	11/30/10 09:34
8M60361.D	AC55946-003	11/30/10 09:50
8M60362.D	AC55990-001(10X)	11/30/10 10:06
8M60363.D	AC55885-002	11/30/10 10:23
8M60364.D	AC55990-001	11/30/10 10:39
8M60365.D	AC55950-001	11/30/10 10:55
8M60366.D	AC55950-003	11/30/10 11:11
8M60367.D	AC55943-002(T)	11/30/10 11:27
8M60368.D	AC55943-003(T)	11/30/10 11:43
8M60369.D	EF-1-V-102351(113	11/30/10 11:59
8M60370.D	AC55950-004	11/30/10 12:16
8M60371.D	AC55950-005	11/30/10 12:32
8M60372.D	AC55860-005(100X	11/30/10 12:48
8M60373.D	AC55950-006	11/30/10 13:04
8M60374.D	AC55950-007	11/30/10 13:20
8M60375.D	AC55860-005	11/30/10 13:36
8M60376.D	AC55966-002(80uL	11/30/10 13:52
8M60377.D	AC55942-004(40uL	11/30/10 14:09
8M60378.D	AC55942-005(40uL	11/30/10 14:25
8M60379.D	AC55942-003(80uL	11/30/10 14:41
8M60380.D	AC55821-001(T:M	11/30/10 14:57
8M60381.D	AC55821-001(T:M	11/30/10 15:13
8M60382.D	AC55874-002(T)	11/30/10 15:30
8M60383.D	AC55874-003(T)	11/30/10 15:46
8M60384.D	AC55874-001(T)	11/30/10 16:02
8M60385.D	AC55965-002	11/30/10 16:18
8M60386.D	AC55965-009	11/30/10 16:34
8M60387.D	AC55965-020	11/30/10 16:51
8M60388.D	AC55965-001	11/30/10 17:07
8M60389.D	AC55965-013(5X)	11/30/10 17:26
8M60390.D	AC55965-018(10X)	11/30/10 17:47
8M60391.D	AC55965-005(10X)	11/30/10 18:08
8M60392.D	AC55965-003(20X)	11/30/10 18:29
8M60393.D	MBS3747	11/30/10 18:46
8M60394.D	AC55885-002(MS)	11/30/10 19:02
8M60395.D	AC55885-002(MSD	11/30/10 19:19
8M60396.D	BLK	11/30/10 19:36
8M60397.D	BLK	11/30/10 19:52
8M60398.D	MBS3748	11/30/10 20:08
8M60399.D	BLK	11/30/10 20:25
8M60400.D	AC55986-001	11/30/10 20:41
8M60401.D	AC55986-002	11/30/10 20:58
8M60402.D	AC55987-009	11/30/10 21:14
8M60403.D	AC55990-002	11/30/10 21:30
8M60404.D	AC55990-003	11/30/10 21:47
8M60405.D	AC55995-002	11/30/10 22:03
8M60406.D	AC55995-003	11/30/10 22:20
8M60407.D	BLK	11/30/10 22:36
8M60408.D	AC55986-003	11/30/10 22:53
8M60409.D	AC55986-004	11/30/10 23:09
8M60410.D	AC55986-005	11/30/10 23:25
8M60411.D	MBS3749	11/30/10 23:42
8M60412.D	BLK	11/30/10 23:58
8M60413.D	AC55987-003	12/01/10 00:15
8M60414.D	AC55987-004	12/01/10 00:31
8M60415.D	AC55987-005	12/01/10 00:48

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60350.D
Analysis Date: 11/30/10 06:37
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.959 to 4.009 min

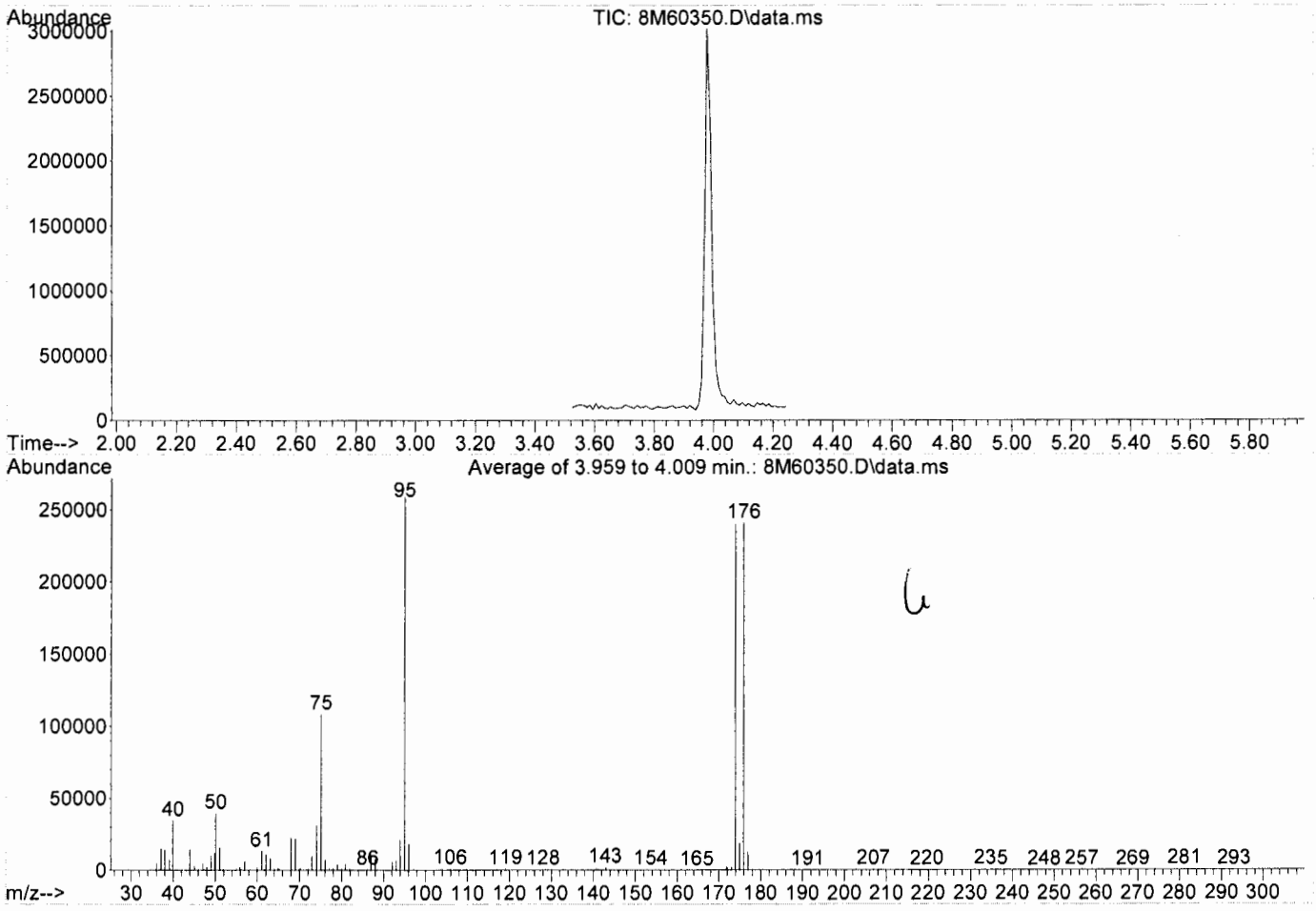
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	15.4	39791	PASS
75	95	30	60	41.9	108621	PASS
95	95	100	100	100.0	259087	PASS
96	95	5	9	7.0	18066	PASS
173	174	0.00	2	0.9	2084	PASS
174	95	50	100	92.7	240283	PASS
175	174	5	9	7.8	18631	PASS
176	174	95	101	100.4	241216	PASS
177	176	5	9	5.3	12679	PASS

8M60416.D	AC55987-007	12/01/10 01:04
8M60417.D	BLK	12/01/10 01:21
8M60418.D	AC55987-001(200X	12/01/10 01:37
8M60419.D	AC55987-002(200X	12/01/10 01:54
8M60420.D	AC55987-008(200X	12/01/10 02:10
8M60421.D	AC55995-001	12/01/10 02:27
8M60422.D	MBS3750	12/01/10 02:43
8M60423.D	STD	12/01/10 03:00
8M60424.D	STD	12/01/10 03:16
8M60425.D	BLK	12/01/10 03:33
8M60426.D	BLK	12/01/10 03:49
8M60427.D	BLK	12/01/10 04:06
8M60428.D	BLK	12/01/10 04:22
8M60429.D	BLK	12/01/10 04:39
8M60430.D	BLK	12/01/10 04:55
8M60431.D	BLK	12/01/10 05:12
8M60432.D	BLK	12/01/10 05:28

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-30-10\
Data File : 8M60350.D
Acq On : 30 Nov 2010 6:37
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 83 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_8\MethodQt\8M_A1109.M
Title : @GCMS_8,ug,624,8260
Last Update : Tue Nov 09 12:19:24 2010



Spectrum Information: Average of 3.959 to 4.009 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	39791	PASS
75	95	30	60	41.9	108621	PASS
95	95	100	100	100.0	259087	PASS
96	95	5	9	7.0	18066	PASS
173	174	0.00	2	0.9	2084	PASS
174	95	50	100	92.7	240283	PASS
175	174	5	9	7.8	18631	PASS
176	174	95	101	100.4	241216	PASS
177	176	5	9	5.3	12679	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60434.D
Analysis Date: 12/01/10 06:57
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.982 to 3.982 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	76624	PASS
75	95	30	60	48.7	151936	PASS
95	95	100	100	100.0	312256	PASS
96	95	5	9	7.4	23024	PASS
173	174	0.00	2	1.6	3258	PASS
174	95	50	100	63.4	197824	PASS
175	174	5	9	8.9	17592	PASS
176	174	95	101	96.2	190208	PASS
177	176	5	9	5.5	10523	PASS

Data File	Sample Number	Analysis Date:
8M60435.D	BLK	12/01/10 07:13
8M60436.D	20 PPB	12/01/10 07:29
8M60437.D	BLK	12/01/10 07:55
8M60438.D	CAL @ 20 PPB	12/01/10 08:11
8M60439.D	BLK	12/01/10 08:35
8M60440.D	DAILY BLANK	12/01/10 08:51
8M60441.D	DAILY BLANK	12/01/10 09:08
8M60442.D	MBS3755	12/01/10 09:24
8M60443.D	MBS3754	12/01/10 09:41
8M60444.D	AC55966-008	12/01/10 09:57
8M60445.D	MBS3756	12/01/10 10:14
8M60446.D	AC55966-010	12/01/10 10:30
8M60447.D	AC56010-005	12/01/10 10:47
8M60448.D	AC56010-004	12/01/10 11:03
8M60449.D	AC56010-003	12/01/10 11:20
8M60450.D	AC56010-002	12/01/10 11:37
8M60451.D	AC56010-001	12/01/10 11:53
8M60453.D	AC56022-001	12/01/10 12:27
8M60454.D	AC56022-002	12/01/10 12:43
8M60455.D	AC56022-003	12/01/10 13:01
8M60456.D	AC56022-004	12/01/10 13:17
8M60457.D	BLK	12/01/10 13:35
8M60458.D	AC55995-003	12/01/10 13:51
8M60459.D	AC55965-004	12/01/10 14:08
8M60460.D	AC55965-015	12/01/10 14:24
8M60461.D	AC55987-003(5X)	12/01/10 14:44
8M60462.D	AC55965-012(10X)	12/01/10 15:05
8M60463.D	AC55987-006(10X)	12/01/10 15:25
8M60464.D	AC55987-002(10X)	12/01/10 15:47
8M60465.D	AC55987-001(20X)	12/01/10 16:08
8M60466.D	AC55987-008(20X)	12/01/10 16:29
8M60467.D	AC55942-004(40uL	12/01/10 16:46
8M60468.D	AC55950-001(MS)	12/01/10 17:02
8M60469.D	AC55950-001(MSD	12/01/10 17:19
8M60470.D	BLK	12/01/10 17:35
8M60471.D	AC56019-023	12/01/10 17:52
8M60472.D	AC56014-002	12/01/10 18:08
8M60473.D	AC56010-003(MS)	12/01/10 18:25
8M60474.D	AC56010-003(MSD	12/01/10 18:41
8M60475.D	BLK	12/01/10 18:58
8M60476.D	BLK	12/01/10 19:14
8M60477.D	MBS3763	12/01/10 19:31
8M60478.D	BLK	12/01/10 19:47
8M60479.D	AC55956-002	12/01/10 20:04
8M60480.D	AC55956-003	12/01/10 20:20
8M60481.D	AC55973-002	12/01/10 20:37
8M60482.D	AC55976-002	12/01/10 20:53
8M60483.D	AC55976-003	12/01/10 21:09
8M60484.D	AC55978-002	12/01/10 21:26
8M60485.D	AC55978-003	12/01/10 21:43
8M60486.D	AC56012-005	12/01/10 21:59
8M60487.D	AC56012-006	12/01/10 22:16
8M60488.D	BLK	12/01/10 22:32
8M60489.D	AC55959-001	12/01/10 22:49
8M60490.D	AC55956-001	12/01/10 23:06
8M60491.D	BLK	12/01/10 23:22
8M60492.D	AC55960-001(10X)	12/01/10 23:42
8M60493.D	AC55960-002(10X)	12/02/10 00:04
8M60494.D	AC55960-003(10X)	12/02/10 00:26
8M60495.D	MBS3764	12/02/10 00:45
8M60496.D	AC55978-001	12/02/10 01:04
8M60497.D	AC56020-001	12/02/10 01:20
8M60498.D	AC56008-003	12/02/10 01:37
8M60499.D	AC56008-002	12/02/10 01:53
8M60500.D	AC56008-001	12/02/10 02:10

Form 5

Tune Name: BFB TUNE **Data File:** 8M60434.D
Instrument: GCMS 8 **Analysis Date:** 12/01/10 06:57
Method: EPA 8260B
Tune Scan/Time Range: Average of 3.982 to 3.982 min

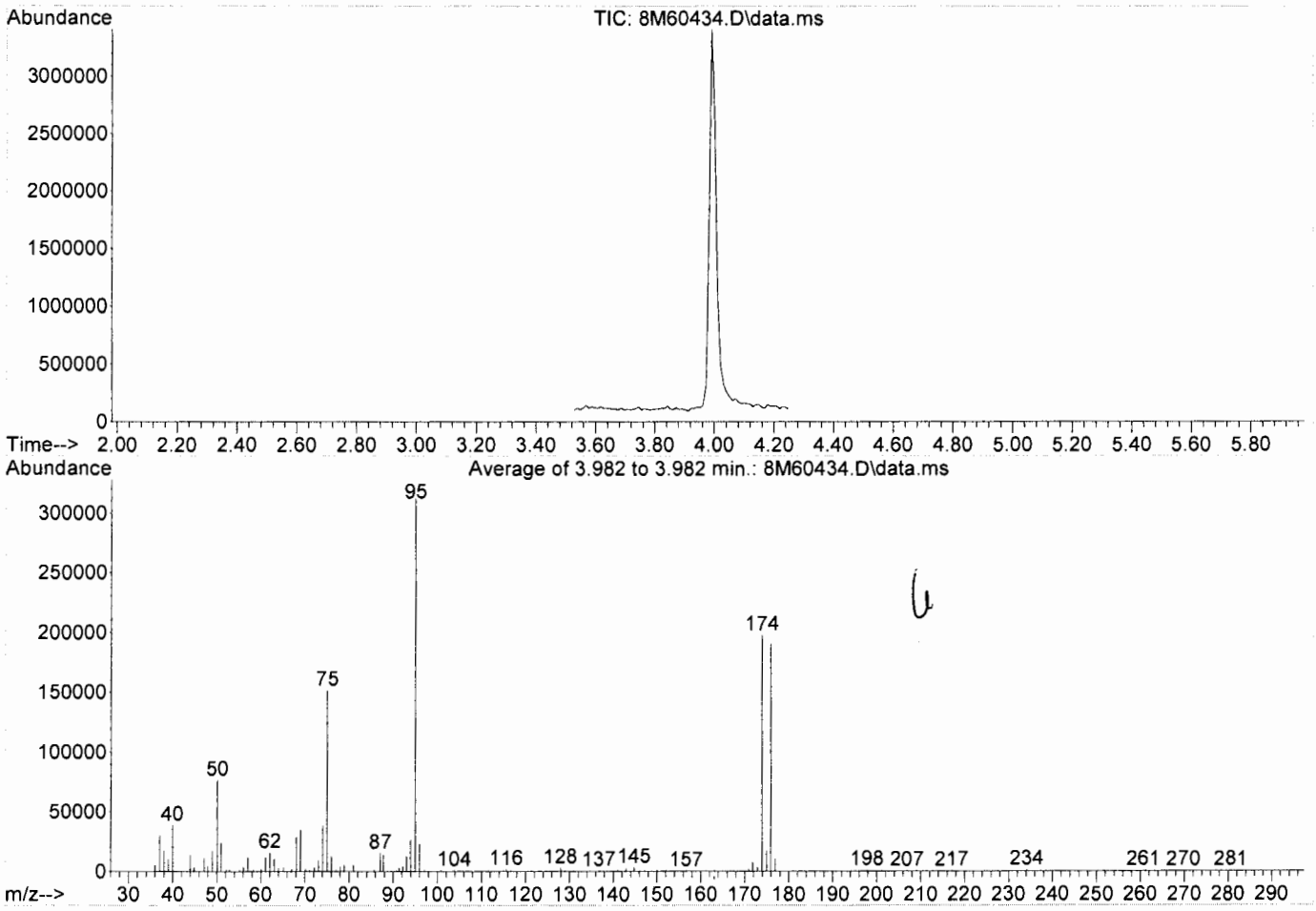
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	76624	PASS
75	95	30	60	48.7	151936	PASS
95	95	100	100	100.0	312256	PASS
96	95	5	9	7.4	23024	PASS
173	174	0.00	2	1.6	3258	PASS
174	95	50	100	63.4	197824	PASS
175	174	5	9	8.9	17592	PASS
176	174	95	101	96.2	190208	PASS
177	176	5	9	5.5	10523	PASS

8M60501.D	AC56012-001	12/02/10 02:26
8M60502.D	AC56012-003	12/02/10 02:42
8M60503.D	MBS3765	12/02/10 02:59
8M60504.D	AC55986-003(MS)	12/02/10 03:18
8M60505.D	AC55986-003(MSD	12/02/10 03:34
8M60506.D	BLK	12/02/10 03:51
8M60507.D	BLK	12/02/10 04:07
8M60508.D	BLK	12/02/10 04:24
8M60509.D	BLK	12/02/10 04:40
8M60510.D	BLK	12/02/10 04:57
8M60511.D	BLK	12/02/10 05:13
8M60512.D	BLK	12/02/10 05:30
8M60513.D	BLK	12/02/10 05:46

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Data File : 8M60434.D
Acq On : 1 Dec 2010 6:57
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_8\MethodQt\8M_A1109.M
Title : @GCMS_8,ug,624,8260
Last Update : Tue Nov 09 12:19:24 2010



Spectrum Information: Average of 3.982 to 3.982 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.5	76624	PASS
75	95	30	60	48.7	151936	PASS
95	95	100	100	100.0	312256	PASS
96	95	5	9	7.4	23024	PASS
173	174	0.00	2	1.6	3258	PASS
174	95	50	100	63.4	197824	PASS
175	174	5	9	8.9	17592	PASS
176	174	95	101	96.2	190208	PASS
177	176	5	9	5.5	10523	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M60756.D
Analysis Date: 12/08/10 09:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.895 to 3.914 min

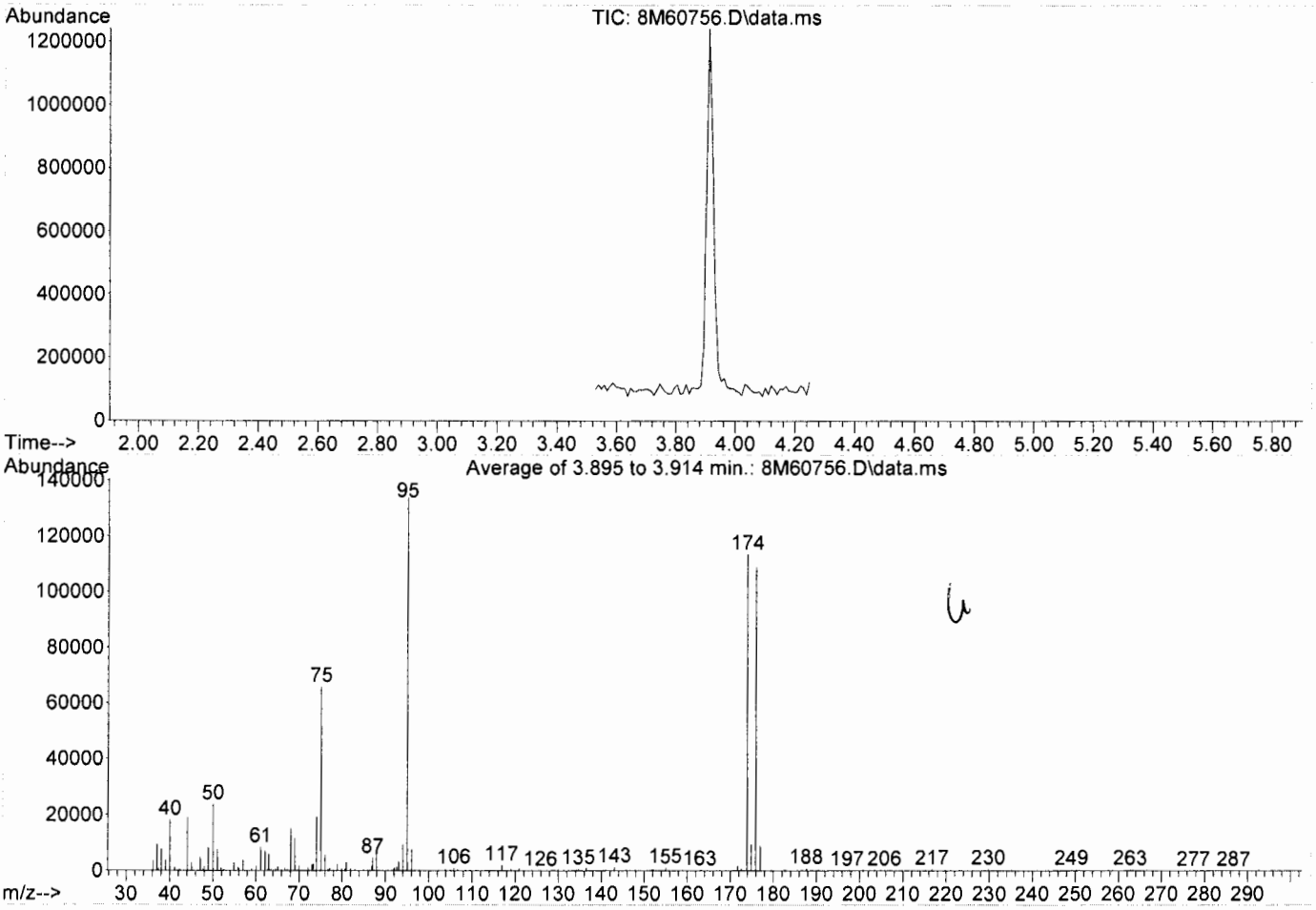
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.8	23885	PASS
75	95	30	60	49.3	66029	PASS
95	95	100	100	100.0	133901	PASS
96	95	5	9	5.7	7667	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	113755	PASS
175	174	5	9	8.2	9374	PASS
176	174	95	101	95.7	108845	PASS
177	176	5	9	8.2	8891	PASS

Data File	Sample Number	Analysis Date:
8M60758.D	BLKJUG2	12/08/10 10:16
8M60759.D	CAL @ 1 PPB	12/08/10 10:36
8M60760.D	CAL @ 0.5 PPB	12/08/10 10:55
8M60761.D	CAL @ 5 PPB	12/08/10 11:16
8M60762.D	CAL @ 500 PPB	12/08/10 11:32
8M60763.D	CAL @ 250 PPB	12/08/10 11:48
8M60764.D	CAL @ 100 PPB	12/08/10 12:04
8M60765.D	CAL @ 50 PPB	12/08/10 12:20
8M60766.D	CAL @ 20 PPB	12/08/10 12:36
8M60767.D	CAL @ 10 PPB	12/08/10 12:52
8M60768.D	BLKJUG2	12/08/10 13:09
8M60769.D	20 PPB	12/08/10 13:25
8M60770.D	ICV	12/08/10 13:50
8M60771.D	BLK	12/08/10 14:11
8M60772.D	BLK	12/08/10 14:27
8M60773.D	BLK	12/08/10 14:43
8M60774.D	DAILY BLANK	12/08/10 14:59
8M60775.D	DAILY BLANK	12/08/10 15:16
8M60776.D	AC56048-001	12/08/10 15:32
8M60777.D	MBS3848	12/08/10 15:48
8M60778.D	MBS3849	12/08/10 16:04
8M60779.D	AC56048-001(T)	12/08/10 16:20
8M60780.D	EF-1V-103278(120	12/08/10 16:36
8M60781.D	AC56151-021	12/08/10 16:52
8M60782.D	AC56172-001	12/08/10 17:09
8M60783.D	AC56172-002	12/08/10 17:25
8M60784.D	AC56172-003	12/08/10 17:41
8M60785.D	AC56142-001	12/08/10 17:57
8M60786.D	AC56142-002	12/08/10 18:13
8M60787.D	BLK	12/08/10 18:29
8M60788.D	AC56088-001	12/08/10 18:45
8M60789.D	AC56088-003	12/08/10 19:01
8M60790.D	AC56088-004	12/08/10 19:17
8M60791.D	AC56088-006	12/08/10 19:33
8M60792.D	AC56088-007	12/08/10 19:49
8M60793.D	AC56088-011	12/08/10 20:05
8M60794.D	AC56088-013	12/08/10 20:21
8M60795.D	AC56088-010(10X)	12/08/10 20:40
8M60796.D	AC56088-009(10X)	12/08/10 21:00
8M60797.D	AC56088-008(10X)	12/08/10 21:21
8M60798.D	AC56088-002(20X)	12/08/10 21:41
8M60799.D	AC56088-012(20X)	12/08/10 21:59
8M60800.D	BLK	12/08/10 22:15

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-08-10\
Data File : 8M60756.D
Acq On : 8 Dec 2010 9:49
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_8\MethodQt\8M_A1109.M
Title : @GCMS_8,ug,624,8260
Last Update : Tue Nov 09 12:19:24 2010



Spectrum Information: Average of 3.895 to 3.914 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	23885	PASS
75	95	30	60	49.3	66029	PASS
95	95	100	100	100.0	133901	PASS
96	95	5	9	5.7	7667	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	113755	PASS
175	174	5	9	8.2	9374	PASS
176	174	95	101	95.7	108845	PASS
177	176	5	9	8.2	8891	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 8M61781.D
Instrument: GCMS 8 **Analysis Date:** 12/30/10 05:38
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.885 to 3.895 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	48296	PASS
75	95	30	60	44.6	106292	PASS
95	95	100	100	100.0	238560	PASS
96	95	5	9	5.9	14080	PASS
173	174	0.00	2	0.9	1650	PASS
174	95	50	100	78.8	188008	PASS
175	174	5	9	6.5	12251	PASS
176	174	95	101	95.1	178728	PASS
177	176	5	9	8.1	14497	PASS

Data File	Sample Number	Analysis Date:
8M61782.D	BLK	12/30/10 05:49
8M61783.D	20 PPB	12/30/10 06:05
8M61784.D	CAL@ 20 PPB	12/30/10 06:35
8M61785.D	BLK	12/30/10 06:58
8M61786.D	DAILY BLANK	12/30/10 07:14
8M61787.D	DAILY BLANK	12/30/10 07:30
8M61788.D	MBS5376	12/30/10 08:01
8M61789.D	MBS5377	12/30/10 08:17
8M61790.D	AC56546-005	12/30/10 08:37
8M61791.D	56438-001	12/30/10 08:53
8M61792.D	AC56438-001	12/30/10 09:11
8M61793.D	AC56495-002(80uL	12/30/10 09:29
8M61794.D	AC56495-001(80uL	12/30/10 09:45
8M61795.D	AC56524-005(400u	12/30/10 10:01
8M61796.D	AC56524-008(400u	12/30/10 10:17
8M61797.D	AC56464-001(T)	12/30/10 10:33
8M61798.D	AC56464-002(T)	12/30/10 10:49
8M61799.D	AC56464-003(T)	12/30/10 11:05
8M61800.D	EF-1-V-104503(122	12/30/10 11:21
8M61801.D	AC56517-009	12/30/10 11:37
8M61802.D	AC56517-011	12/30/10 11:53
8M61803.D	AC56517-020	12/30/10 12:09
8M61804.D	AC56517-021	12/30/10 12:27
8M61805.D	AC56517-049(5X)	12/30/10 12:46
8M61806.D	AC56517-023(5X)	12/30/10 13:13
8M61807.D	AC56517-024(5X)	12/30/10 13:32
8M61808.D	AC56498-002	12/30/10 13:49
8M61809.D	AC56517-045	12/30/10 14:05
8M61810.D	AC56517-037	12/30/10 14:21
8M61811.D	AC56517-038	12/30/10 14:37
8M61812.D	AC56517-039	12/30/10 14:53
8M61813.D	AC56517-040	12/30/10 15:09
8M61814.D	AC56517-028	12/30/10 15:25
8M61815.D	AC56517-032	12/30/10 15:46
8M61816.D	AC56517-029	12/30/10 16:02
8M61817.D	AC56517-030(MS:	12/30/10 16:18
8M61818.D	AC56517-031(MSD	12/30/10 16:35
8M61819.D	AC56570-001(80uL	12/30/10 16:51
8M61820.D	AC56570-002(80uL	12/30/10 17:07
8M61821.D	MBS5387	12/30/10 17:23
8M61822.D	AC56464-001(T:M	12/30/10 17:39
8M61823.D	AC56464-001(T:M	12/30/10 17:55
8M61824.D	AC56529-005(MS)	12/30/10 18:11
8M61825.D	AC56529-005(MSD	12/30/10 18:27
8M61826.D	BLK	12/30/10 18:43
8M61827.D	BLK	12/30/10 18:59
8M61828.D	MBS5388	12/30/10 19:15
8M61829.D	BLK	12/30/10 19:31
8M61830.D	AC56499-009	12/30/10 19:48
8M61831.D	AC56499-010	12/30/10 20:04
8M61832.D	AC56500-002	12/30/10 20:21
8M61833.D	AC56499-001	12/30/10 20:37
8M61834.D	AC56499-003	12/30/10 20:53
8M61835.D	AC56499-005	12/30/10 21:09
8M61836.D	AC56499-007	12/30/10 21:25
8M61837.D	AC56499-006	12/30/10 21:41
8M61838.D	AC56499-008	12/30/10 21:58
8M61839.D	AC56498-001	12/30/10 22:15
8M61840.D	AC56499-004	12/30/10 22:31
8M61841.D	AC56500-001(10X)	12/30/10 22:48
8M61842.D	MBS5389	12/30/10 23:04
8M61843.D	BLK	12/30/10 23:21
8M61844.D	AC56503-004	12/30/10 23:37
8M61845.D	AC56503-001	12/30/10 23:54
8M61846.D	AC56503-003	12/31/10 00:10

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M61781.D
Analysis Date: 12/30/10 05:38
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.885 to 3.895 min

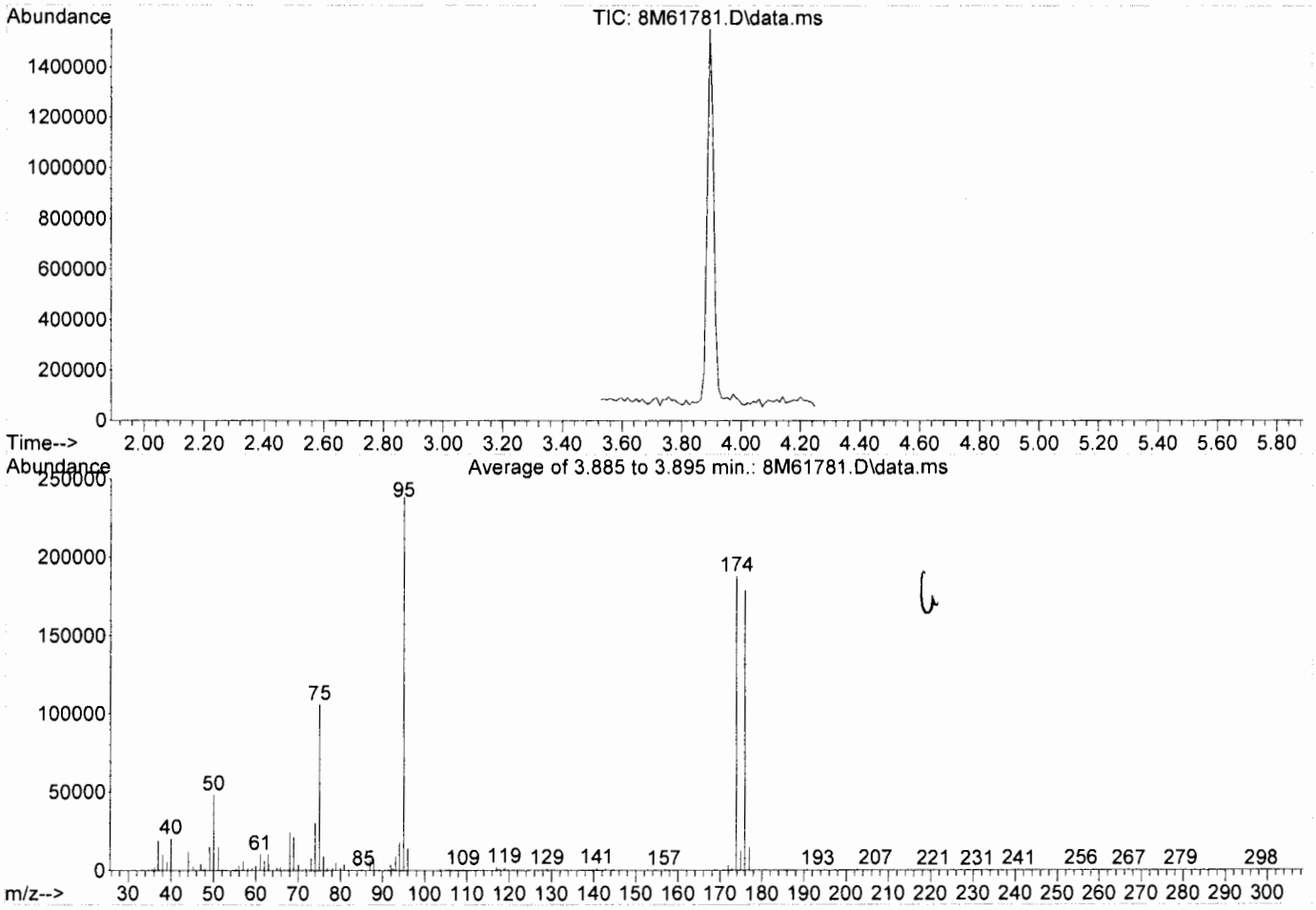
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	48296	PASS
75	95	30	60	44.6	106292	PASS
95	95	100	100	100.0	238560	PASS
96	95	5	9	5.9	14080	PASS
173	174	0.00	2	0.9	1650	PASS
174	95	50	100	78.8	188008	PASS
175	174	5	9	6.5	12251	PASS
176	174	95	101	95.1	178728	PASS
177	176	5	9	8.1	14497	PASS

8M61847.D	AC56503-002	12/31/10 00:27
8M61848.D	AC56510-001	12/31/10 00:44
8M61849.D	AC56554-001	12/31/10 01:00
8M61850.D	AC56520-003(50X)	12/31/10 01:20
8M61851.D	AC56556-001(50X)	12/31/10 01:42
8M61852.D	MBS5390	12/31/10 02:01
8M61853.D	AC56499-002(MS)	12/31/10 02:17
8M61854.D	AC56499-002(MSD	12/31/10 02:34
8M61855.D	BLK	12/31/10 02:50
8M61856.D	BLK	12/31/10 03:07
8M61857.D	BLK	12/31/10 03:23
8M61858.D	BLK	12/31/10 03:40
8M61859.D	BLK	12/31/10 03:56
8M61860.D	BLK	12/31/10 04:13

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Data File : 8M61781.D
Acq On : 30 Dec 2010 5:38
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_8\MethodQt\8M_A1208.M
Title : @GCMS_8,ug,624,8260
Last Update : Wed Dec 08 13:21:31 2010



Spectrum Information: Average of 3.885 to 3.895 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	48296	PASS
75	95	30	60	44.6	106292	PASS
95	95	100	100	100.0	238560	PASS
96	95	5	9	5.9	14080	PASS
173	174	0.00	2	0.9	1650	PASS
174	95	50	100	78.8	188008	PASS
175	174	5	9	6.5	12251	PASS
176	174	95	101	95.1	178728	PASS
177	176	5	9	8.1	14497	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 8M61786.D
Analysis Date: 12/30/10 07:14
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.048	U	56-23-5	Carbon Tetrachloride	0.067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.034	U	108-90-7	Chlorobenzene	0.067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.082	U	75-00-3	Chloroethane	0.076	U
79-00-5	1,1,2-Trichloroethane	0.055	U	67-66-3	Chloroform	0.036	U
75-34-3	1,1-Dichloroethane	0.033	U	74-87-3	Chloromethane	0.045	U
75-35-4	1,1-Dichloroethene	0.058	U	156-59-2	cis-1,2-Dichloroethene	0.029	U
96-18-4	1,2,3-Trichloropropane	0.091	U	10061-01-5	cis-1,3-Dichloropropene	0.064	U
95-63-6	1,2,4-Trimethylbenzene	0.024	U	124-48-1	Dibromochloromethane	0.055	U
95-50-1	1,2-Dichlorobenzene	0.077	U	75-71-8	Dichlorodifluoromethane	0.051	U
107-06-2	1,2-Dichloroethane	0.043	U	100-41-4	Ethylbenzene	0.065	U
78-87-5	1,2-Dichloropropane	0.037	U	98-82-8	Isopropylbenzene	0.042	U
108-67-8	1,3,5-Trimethylbenzene	0.058	U	136777612	m&p-Xylenes	0.075	U
541-73-1	1,3-Dichlorobenzene	0.042	U	75-09-2	Methylene Chloride	0.077	U
142-28-9	1,3-Dichloropropane	0.051	U	1634-04-4	Methyl-t-butyl ether	0.031	U
106-46-7	1,4-Dichlorobenzene	0.033	U	104-51-8	n-Butylbenzene	0.048	U
123-91-1	1,4-Dioxane	2.7	U	103-65-1	n-Propylbenzene	0.034	U
78-93-3	2-Butanone	0.090	U	95-47-6	o-Xylene	0.054	U
110-75-8	2-Chloroethylvinylether	0.086	U	135-98-8	sec-Butylbenzene	0.047	U
591-78-6	2-Hexanone	0.046	U	100-42-5	Styrene	0.033	U
99-87-6	4-Isopropyltoluene	0.049	U	75-65-0	t-Butyl Alcohol	0.50	U
108-10-1	4-Methyl-2-Pentanone	0.085	U	98-06-6	t-Butylbenzene	0.025	U
67-64-1	Acetone	0.40	U	127-18-4	Tetrachloroethene	0.033	U
107-02-8	Acrolein	0.29	U	108-88-3	Toluene	0.040	U
107-13-1	Acrylonitrile	0.092	U	156-60-5	trans-1,2-Dichloroethene	0.081	U
71-43-2	Benzene	0.037	U	10061-02-6	trans-1,3-Dichloropropene	0.061	U
75-27-4	Bromodichloromethane	0.043	U	79-01-6	Trichloroethene	0.045	U
75-25-2	Bromoform	0.029	U	75-69-4	Trichlorofluoromethane	0.086	U
74-83-9	Bromomethane	0.097	U	75-01-4	Vinyl Chloride	0.085	U
75-15-0	Carbon Disulfide	0.030	U				

Worksheet #: 182505

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

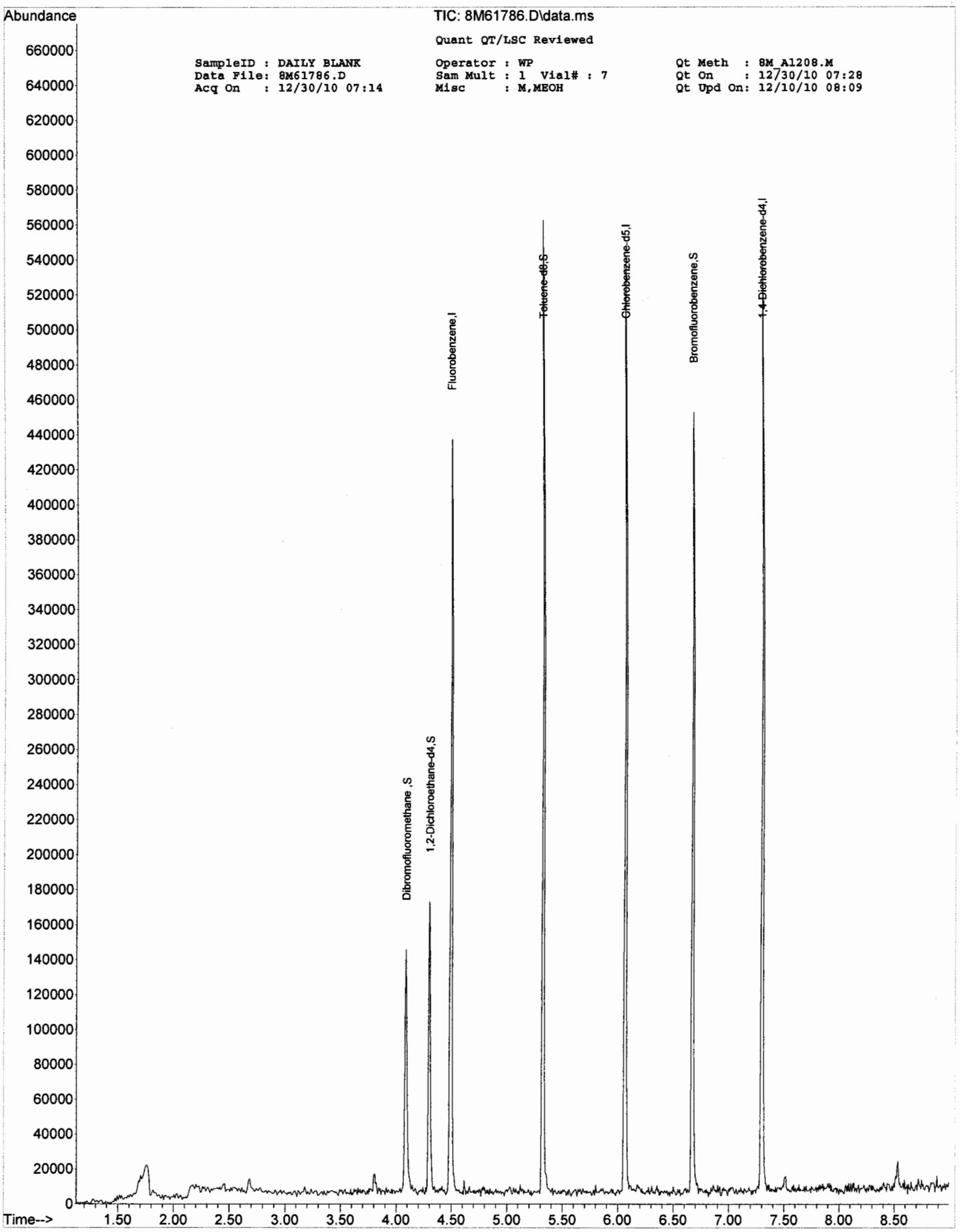
Quantitation Report (QT/LSC Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 8M_A1208.M
Data File: 8M61786.D Sam Mult : 1 Vial# : 7 Qt On : 12/30/10 07:28
Acq On : 12/30/10 07:14 Misc : M,MEOH Qt Upd On: 12/10/10 08:09

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.496	96	199913	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.066	117	167175	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.300	152	94260	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.086	111	56885	30.47	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.57%			
35) 1,2-Dichloroethane-d4	4.297	102	14446	34.19	ug/l	-0.02
Spiked Amount 30.000			Recovery = 113.97%			
59) Toluene-d8	5.320	100	124686	25.70	ug/l	-0.02
Spiked Amount 30.000			Recovery = 85.67%			
67) Bromofluorobenzene	6.674	174	94257	29.32	ug/l	-0.01
Spiked Amount 30.000			Recovery = 97.73%			
Target Compounds						Qvalue

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


Abundance
TIC: 8M61786.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 8M61786.D
Acq On : 12/30/10 07:14
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : M,MEOH
Qt Meth : 8M_A1208.M
Qt On : 12/30/10 07:28
Qt Upd On: 12/10/10 08:09
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form3
Recovery Data
QC Batch: MBS3731

Data File	Sample ID:	Analysis Date
Spike or Dup: 8M60357.D	MBS3731	11/30/2010 8:44:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260 Matrix: Methanol QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.39	0	20	107	15	160
1,1-Dichloroethene	1	17.46	0	20	87	17	114
1,1-Dichloroethane	1	19.73	0	20	99	37	126
Chloroform	1	19.35	0	20	97	41	129
1,2-Dichloroethane	1	19	0	20	95	38	130
2-Butanone	1	16.8	0	20	84	23	146
Carbon Tetrachloride	1	19.59	0	20	98	32	137
Trichloroethene	1	22.9	0	20	114	44	134
Benzene	1	21.42	0	20	107	44	138
Tetrachloroethene	1	20.4	0	20	102	48	133
Toluene	1	18.69	0	20	93	41	140
Chlorobenzene	1	19.13	0	20	96	52	127
1,4-Dichlorobenzene	1	16.66	0	20	83	52	120
1,2-Dichlorobenzene	1	16.56	0	20	83	51	127
n-Propylbenzene	1	15.97	0	20	80	49	135
sec-Butylbenzene	1	15.42	0	20	77	46	126

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 8M60357.D
Acq On : 11/30/10 08:44

Operator : WP
Sam Mult : 1 Vial# : 90
Misc : M,MEOH

Qt Meth : 8M_A1109.M
Qt On : 11/30/10 08:56
Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.497	96	226958	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.067	117	197314	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.301	152	129777	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.087	111	65860	30.56	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.87%			
35) 1,2-Dichloroethane-d4	4.304	102	15195	30.83	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.77%			
59) Toluene-d8	5.321	100	148209	26.64	ug/l	-0.02
Spiked Amount 30.000			Recovery = 88.80%			
67) Bromofluorobenzene	6.675	174	116595	27.75	ug/l	-0.01
Spiked Amount 30.000			Recovery = 92.50%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.317	51	88997	14.56	ug/l	88
6) Dichlorodifluoromethane	1.307	85	57315	25.58	ug/l	85
7) Chloromethane	1.449	50	95439	32.81	ug/l	84
8) Bromomethane	1.741	94	6169	5.19	ug/l	91
9) Vinyl Chloride	1.524	62	59200	21.39	ug/l	98
10) Chloroethane	1.807	64	24689	14.68	ug/l	98
11) Trichlorofluoromethane	2.005	101	66673	16.33	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.391	101	31085	16.96	ug/l	88
13) Methylene Chloride	2.755	84	69347	16.07	ug/l	82
14) Acrolein	2.332	56	33031	78.10	ug/l	94
15) Acrylonitrile	2.943	53	23038	16.66	ug/l	75
16) Iodomethane	2.519	142	90260	20.38	ug/l	98
17) Acetone	2.450	43	97064	52.33	ug/l	95
18) Carbon Disulfide	2.578	76	164676	20.45	ug/l	100
19) t-Butyl Alcohol	2.864	59	11837	43.77	ug/l	64
20) n-Hexane	3.179	57	36397	15.66	ug/l	86
21) Di-isopropyl-ether	3.347	45	247059	16.58	ug/l	88
22) 1,1-Dichloroethene	2.401	61	87705	17.46	ug/l	89
23) Methyl Acetate	2.686	43	88517	25.03	ug/l	100
24) Methyl-t-butyl ether	2.972	73	91027	12.10	ug/l	95
25) 1,1-Dichloroethane	3.297	63	126883	19.73	ug/l	98
26) trans-1,2-Dichloroethene	2.972	96	62351	21.20	ug/l	73
27) cis-1,2-Dichloroethene	3.763	61	114973	20.10	ug/l	84
28) Bromochloromethane	3.931	49	65379	19.89	ug/l	84
29) 2,2-Dichloropropane	3.763	77	63076	17.67	ug/l	97
30) 1,4-Dioxane	4.888	88	20857	743.34	ug/l	75
31) 1,1-Dichloropropene	4.214	75	84979	22.59	ug/l	95
32) Chloroform	3.979	83	97287	19.35	ug/l	89
34) Cyclohexane	4.154	56	69876	17.90	ug/l	86
36) 1,2-Dichloroethane	4.346	62	92238	19.00	ug/l	90
37) 2-Butanone	3.769	43	33391	16.80	ug/l	68
38) 1,1,1-Trichloroethane	4.112	97	75620	19.43	ug/l	99
39) Carbon Tetrachloride	4.220	117	64960	19.59	ug/l	93
40) Vinyl Acetate	3.347	43	206366	12.95	ug/l	100
41) Bromodichloromethane	4.948	83	71736	17.85	ug/l	93
42) Methylcyclohexane	4.804	83	40289	19.57	ug/l	94
43) Dibromomethane	4.876	174	50195	21.32	ug/l	96
44) 1,2-Dichloropropane	4.810	63	59216	19.20	ug/l	99
45) Trichloroethene	4.695	130	61994	22.90	ug/l	93
46) Benzene	4.340	78	228840	21.42	ug/l	100
47) tert-Amyl methyl ether	4.400	73	74643	10.54	ug/l	100
49) Dibromochloromethane	5.766	129	51349	15.69	ug/l	98
50) 2-Chloroethylvinylether	5.092	63	29546	13.20	ug/l	92
51) cis-1,3-Dichloropropene	5.183	75	73699	14.82	ug/l	93
52) trans-1,3-Dichloropropene	5.453	75	59155	12.90	ug/l	97
53) 1,1,2-Trichloroethane	5.556	97	45066	17.67	ug/l	94
54) 1,2-Dibromoethane	5.833	107	46003	16.62	ug/l	92
55) 1,3-Dichloropropane	5.646	76	82088	17.23	ug/l	91
56) 4-Methyl-2-Pentanone	5.249	43	61148	12.57	ug/l	81
57) 2-Hexanone	5.670	43	37692	11.00	ug/l	92
58) Tetrachloroethene	5.640	164	53370	20.40	ug/l	98
60) Toluene	5.357	92	124377	18.69	ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.115	133	49599	19.35	ug/l	99
62) Chlorobenzene	6.079	112	133730	19.13	ug/l	95
64) Bromoform	6.513	173	36860	12.36	ug/l	98
65) Ethylbenzene	6.127	106	66192	18.11	ug/l	92
66) 1,1,2,2-Tetrachloroethane	6.729	83	49456	12.48	ug/l	84
68) Styrene	6.398	104	125562	16.28	ug/l	85
69) m&p-Xylenes	6.182	106	149884	32.63	ug/l	89

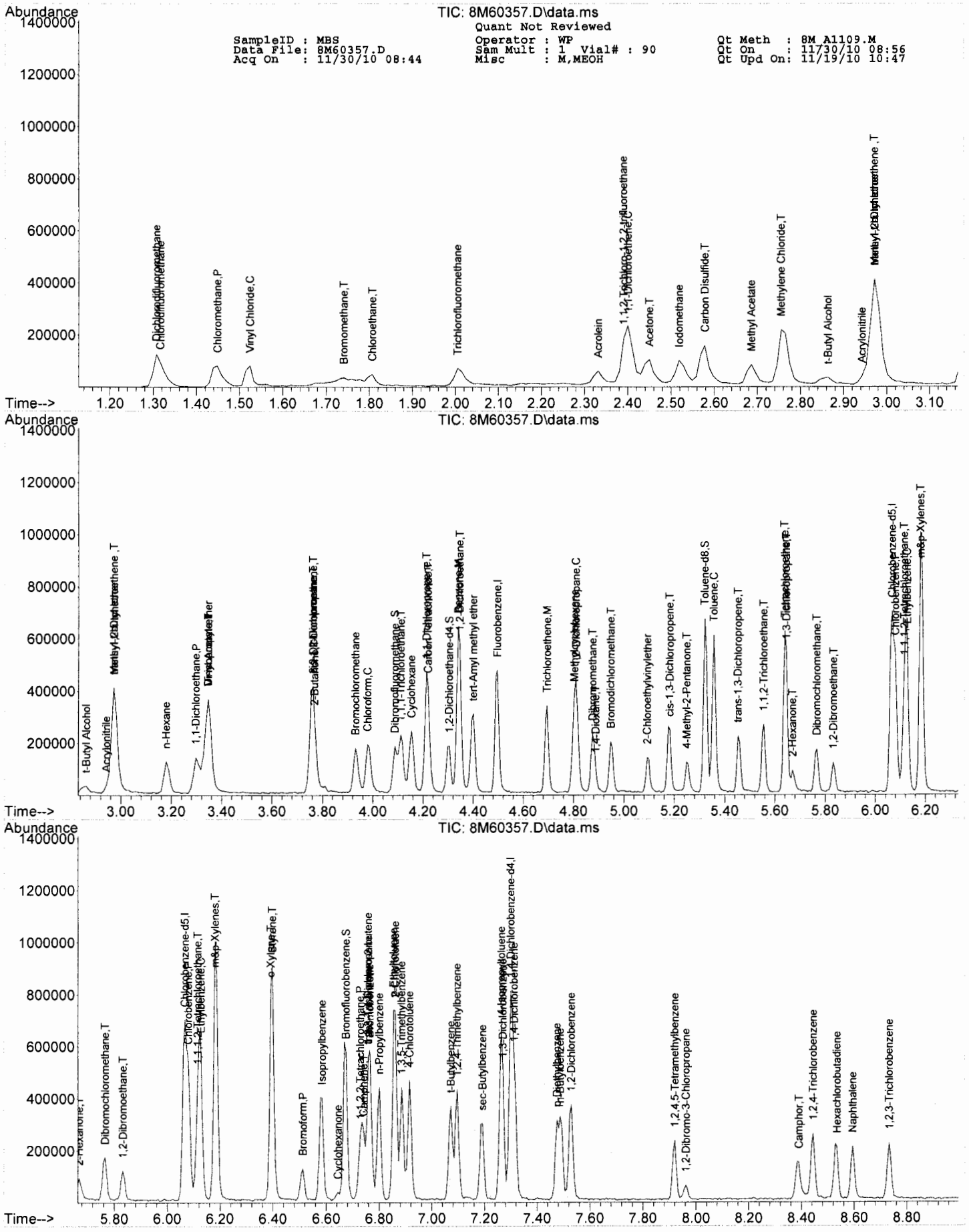
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60357.D Sam Mult : 1 Vial# : 90 Qt On : 11/30/10 08:56
Acq On : 11/30/10 08:44 Misc : M,MEOH Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.392	106	74540	17.01	ug/l	88
71)	trans-1,4-Dichloro-2-b...	6.759	53	25476	13.64	ug/l	1
72)	1,3-Dichlorobenzene	7.271	146	102725	16.97	ug/l	97
73)	1,4-Dichlorobenzene	7.313	146	102065	16.66	ug/l	91
74)	1,2-Dichlorobenzene	7.529	146	99547	16.56	ug/l	98
75)	Isopropylbenzene	6.585	105	152057	15.04	ug/l	99
76)	Cyclohexanone	6.645	55	8553	51.40	ug/l	88
77)	Camphene	6.741	93	40522	14.09	ug/l	97
78)	1,2,3-Trichloropropane	6.759	75	60777	12.81	ug/l	92
79)	2-Chlorotoluene	6.862	91	164794	16.29	ug/l	94
80)	p-Ethyltoluene	6.856	105	148548	13.96	ug/l	99
81)	4-Chlorotoluene	6.916	91	161080	16.33	ug/l	96
82)	n-Propylbenzene	6.801	91	193387	15.97	ug/l	97
83)	Bromobenzene	6.765	77	136827	14.87	ug/l	90
84)	1,3,5-Trimethylbenzene	6.886	105	128916	16.13	ug/l	97
85)	t-Butylbenzene	7.072	119	109549	15.75	ug/l	94
86)	1,2,4-Trimethylbenzene	7.096	105	135954	15.46	ug/l	91
87)	sec-Butylbenzene	7.192	105	130149	15.42	ug/l	100
88)	4-Isopropyltoluene	7.265	119	109907	16.93	ug/l	97
89)	n-Butylbenzene	7.487	91	123415	15.72	ug/l	98
90)	p-Diethylbenzene	7.475	119	55201	11.16	ug/l	94
91)	1,2,4,5-Tetramethylben...	7.921	119	73871	11.36	ug/l	99
92)	1,2-Dibromo-3-Chloropr...	7.963	157	9505	11.43	ug/l	91
93)	Camphor	8.390	95	23532	77.05	ug/l	96
94)	Hexachlorobutadiene	8.534	225	36956	13.57	ug/l	100
95)	1,2,4-Trichlorobenzene	8.444	180	57340	16.17	ug/l	99
96)	1,2,3-Trichlorobenzene	8.733	180	48964	14.70	ug/l	95
97)	Naphthalene	8.595	128	100192	12.94	ug/l	100

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


TIC: 8M60357.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 8M60357.D
Acq On : 11/30/10 08:44
Operator : WP
Sam Mult : 1 Vial# : 90
Misc : M,MEOH
Qt Meth : 8M_A1109.M
Qt On : 11730/10 08:56
Qt Upd On: 11/19/10 10:47
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
TIC: 8M60357.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
TIC: 8M60357.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene-d4,I
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Form3
Recovery Data
QC Batch: MBS3754

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60443.D	MBS3754	12/1/2010 9:41:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Methanol | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	24.65	0	20	123	15	160
1,1-Dichloroethene	1	19.42	0	20	97	17	114
1,1-Dichloroethane	1	18.74	0	20	94	37	126
Chloroform	1	19.07	0	20	95	41	129
1,2-Dichloroethane	1	17.96	0	20	90	38	130
2-Butanone	1	17.6	0	20	88	23	146
Carbon Tetrachloride	1	18.15	0	20	91	32	137
Trichloroethene	1	22.22	0	20	111	44	134
Benzene	1	21.61	0	20	108	44	138
Tetrachloroethene	1	18.32	0	20	92	48	133
Toluene	1	18.71	0	20	94	41	140
Chlorobenzene	1	17.47	0	20	87	52	127
1,4-Dichlorobenzene	1	17.17	0	20	86	52	120
1,2-Dichlorobenzene	1	15.56	0	20	78	51	127
n-Propylbenzene	1	15.74	0	20	79	49	135
sec-Butylbenzene	1	14.07	0	20	70	46	126

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS | Operator : WP | Qt Meth : 8M_A1109.M
Data File: 8M60443.D | Sam Mult : 1 Vial# : 11 | Qt On : 12/01/10 09:51
Acq On : 12/ 1/10 09:41 | Misc : M,MEOH | Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.514	96	217235	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.078	117	196209	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.318	152	123283	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	66475	32.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.43%			
35) 1,2-Dichloroethane-d4	4.315	102	16618	35.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.40%			
59) Toluene-d8	5.338	100	150583	27.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.73%			
67) Bromofluorobenzene	6.686	174	119193	29.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.57%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.329	51	162072	27.70	ug/l	61
6) Dichlorodifluoromethane	1.320	85	67388	31.43	ug/l	94
7) Chloromethane	1.452	50	94014	33.77	ug/l	82
8) Bromomethane	1.754	94	4593	4.04	ug/l	98
9) Vinyl Chloride	1.537	62	65292	24.65	ug/l	95
10) Chloroethane	1.820	64	5616	3.49	ug/l	76
11) Trichlorofluoromethane	2.008	101	52969	13.56	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.400	101	34503	19.67	ug/l	96
13) Methylene Chloride	2.774	84	65872	15.89	ug/l	90
14) Acrolein	2.351	56	46460	114.77	ug/l	99
15) Acrylonitrile	2.971	53	23392	17.68	ug/l	87
16) Iodomethane	2.538	142	81292	19.16	ug/l	98
17) Acetone	2.469	43	98657	58.55	ug/l	93
18) Carbon Disulfide	2.587	76	173151	22.47	ug/l	100
19) t-Butyl Alcohol	2.902	59	13984	54.02	ug/l	83
20) n-Hexane	3.198	57	40651	18.28	ug/l	90
21) Di-isopropyl-ether	3.375	45	237428	16.64	ug/l	85
22) 1,1-Dichloroethene	2.410	61	93374	19.42	ug/l	93
23) Methyl Acetate	2.705	43	101279	29.93	ug/l	100
24) Methyl-t-butyl ether	3.001	73	91746	12.74	ug/l	90
25) 1,1-Dichloroethane	3.316	63	115343	18.74	ug/l	93
26) trans-1,2-Dichloroethene	2.991	96	57582	20.45	ug/l	73
27) cis-1,2-Dichloroethene	3.780	61	106257	19.40	ug/l	89
28) Bromochloromethane	3.954	49	65831	20.92	ug/l	86
29) 2,2-Dichloropropane	3.780	77	56618	16.57	ug/l	92
30) 1,4-Dioxane	4.899	88	24672	918.67	ug/l	77
31) 1,1-Dichloropropene	4.231	75	76320	21.19	ug/l	93
32) Chloroform	4.002	83	91780	19.07	ug/l	91
34) Cyclohexane	4.171	56	71876	19.24	ug/l	83
36) 1,2-Dichloroethane	4.363	62	83435	17.96	ug/l	97
37) 2-Butanone	3.792	43	33482	17.60	ug/l	87
38) 1,1,1-Trichloroethane	4.129	97	68672	18.44	ug/l	94
39) Carbon Tetrachloride	4.237	117	57595	18.15	ug/l	78
40) Vinyl Acetate	3.366	43	200886	13.17	ug/l	100
41) Bromodichloromethane	4.965	83	66889	17.39	ug/l	100
42) Methylcyclohexane	4.815	83	39256	19.93	ug/l	93
43) Dibromomethane	4.893	174	49668	22.04	ug/l	96
44) 1,2-Dichloropropane	4.827	63	55502	18.80	ug/l	97
45) Trichloroethene	4.706	130	57581	22.22	ug/l	96
46) Benzene	4.357	78	220975	21.61	ug/l	100
47) tert-Amyl methyl ether	4.418	73	71228	10.51	ug/l	99
49) Dibromochloromethane	5.778	129	46112	14.17	ug/l	99
50) 2-Chloroethylvinylether	5.110	63	31144	14.00	ug/l	82
51) cis-1,3-Dichloropropene	5.194	75	68452	13.84	ug/l	98
52) trans-1,3-Dichloropropene	5.471	75	52216	11.45	ug/l	94
53) 1,1,2-Trichloroethane	5.573	97	40848	16.10	ug/l	84
54) 1,2-Dibromoethane	5.850	107	41581	15.11	ug/l	99
55) 1,3-Dichloropropane	5.657	76	78178	16.50	ug/l	97
56) 4-Methyl-2-Pentanone	5.266	43	54931	11.36	ug/l	98
57) 2-Hexanone	5.687	43	40921	12.01	ug/l	74
58) Tetrachloroethene	5.657	164	47653	18.32	ug/l	96
60) Toluene	5.374	92	123808	18.71	ug/l	85
61) 1,1,1,2-Tetrachloroethane	6.133	133	43648	17.13	ug/l	96
62) Chlorobenzene	6.096	112	121431	17.47	ug/l	96
64) Bromoform	6.530	173	37492	13.24	ug/l	83
65) Ethylbenzene	6.145	106	52456	15.11	ug/l	91
66) 1,1,2,2-Tetrachloroethane	6.746	83	53249	14.14	ug/l	83
68) Styrene	6.415	104	117913	16.09	ug/l	98
69) m&p-Xylenes	6.199	106	140855	32.28	ug/l	95

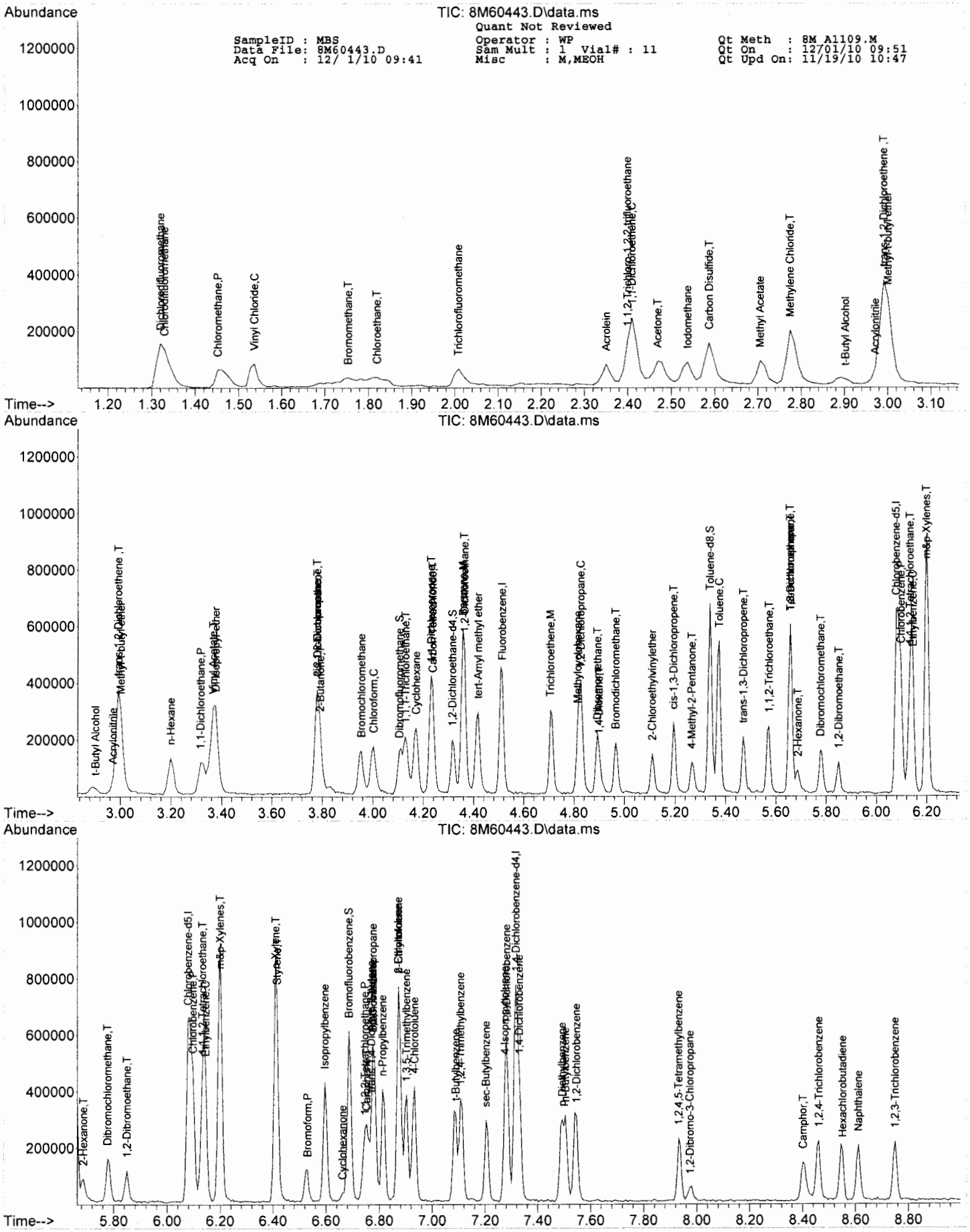
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60443.D Sam Mult : 1 Vial# : 11 Qt On : 12/01/10 09:51
Acq On : 12/ 1/10 09:41 Misc : M,MEOH Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.409	106	65596	15.76 ug/l	77
71) trans-1,4-Dichloro-2-b...	6.770	53	25823	14.56 ug/l	1
72) 1,3-Dichlorobenzene	7.282	146	91177	15.85 ug/l	98
73) 1,4-Dichlorobenzene	7.330	146	99903	17.17 ug/l	94
74) 1,2-Dichlorobenzene	7.547	146	88860	15.56 ug/l	97
75) Isopropylbenzene	6.596	105	149755	15.59 ug/l	98
76) Cyclohexanone	6.662	55	9461	59.85 ug/l	85
77) Camphene	6.752	93	35876	13.13 ug/l	92
78) 1,2,3-Trichloropropane	6.776	75	63327	14.05 ug/l	92
79) 2-Chlorotoluene	6.873	91	134313	13.98 ug/l	97
80) p-Ethyltoluene	6.873	105	142055	14.05 ug/l	96
81) 4-Chlorotoluene	6.933	91	141449	15.09 ug/l	95
82) n-Propylbenzene	6.813	91	181091	15.74 ug/l	100
83) Bromobenzene	6.776	77	129227	14.78 ug/l	90
84) 1,3,5-Trimethylbenzene	6.903	105	131313	17.30 ug/l	89
85) t-Butylbenzene	7.089	119	99411	15.04 ug/l	89
86) 1,2,4-Trimethylbenzene	7.107	105	127040	15.21 ug/l	89
87) sec-Butylbenzene	7.204	105	112799	14.07 ug/l	99
88) 4-Isopropyltoluene	7.276	119	96719	15.69 ug/l	95
89) n-Butylbenzene	7.505	91	108803	14.59 ug/l	97
90) p-Diethylbenzene	7.493	119	56092	11.94 ug/l	89
91) 1,2,4,5-Tetramethylben...	7.932	119	74124	12.00 ug/l	94
92) 1,2-Dibromo-3-Chloropr...	7.974	157	9611	12.16 ug/l	89
93) Camphor	8.401	95	26687	91.98 ug/l	83
94) Hexachlorobutadiene	8.552	225	35409	13.69 ug/l	98
95) 1,2,4-Trichlorobenzene	8.461	180	53316	15.82 ug/l	94
96) 1,2,3-Trichlorobenzene	8.750	180	48066	15.19 ug/l	97
97) Naphthalene	8.612	128	91985	12.50 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : MBS
Data File: 8M60443.D
Acq On : 12/ 1/10 09:41
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : M,MEOH
Qt Meth : 8M_A1109.M
Qt On : 12/01/10 09:51
Qt Upd On: 11/19/10 10:47
Abundance
Time-->

Form3
Recovery Data
QC Batch: MBS5377

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M61789.D	MBS5377	12/30/2010 8:17:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.8	0	20	89	15	160
1,1-Dichloroethene	1	18.41	0	20	92	17	114
1,1-Dichloroethane	1	18.67	0	20	93	37	126
Chloroform	1	19.12	0	20	96	41	129
1,2-Dichloroethane	1	19.39	0	20	97	38	130
2-Butanone	1	19.59	0	20	98	23	146
Carbon Tetrachloride	1	20.53	0	20	103	32	137
Trichloroethene	1	19.43	0	20	97	44	134
Benzene	1	20.3	0	20	102	44	138
Tetrachloroethene	1	16.97	0	20	85	48	133
Toluene	1	18.03	0	20	90	41	140
Chlorobenzene	1	17.27	0	20	86	52	127
1,4-Dichlorobenzene	1	16.78	0	20	84	52	120
1,2-Dichlorobenzene	1	16.56	0	20	83	51	127
n-Propylbenzene	1	17.13	0	20	86	49	135
sec-Butylbenzene	1	18.32	0	20	92	46	126

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 8M61789.D
Acq On : 12/30/10 08:17

Operator : WP
Sam Mult : 1 Vial# : 10
Misc : M,MEOH

Qt Meth : 8M_A1208.M
Qt On : 12/30/10 08:33
Qt Upd On: 12/10/10 08:09

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.496	96	219766	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.067	117	171244	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.306	152	100466	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.087	111	61815	30.11	ug/l	-0.02
Spiked Amount 30.000			Recovery = 100.37%			
35) 1,2-Dichloroethane-d4	4.303	102	14368	30.94	ug/l	-0.01
Spiked Amount 30.000			Recovery = 103.13%			
59) Toluene-d8	5.326	100	135426	27.25	ug/l	-0.01
Spiked Amount 30.000			Recovery = 90.83%			
67) Bromofluorobenzene	6.674	174	98797	28.83	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.10%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.319	51	147547	26.68	ug/l	36
6) Dichlorodifluoromethane	1.309	85	29704	9.94	ug/l	89
7) Chloromethane	1.441	50	63708	15.66	ug/l	97
8) Bromomethane	1.743	94	3849	3.25	ug/l	86
9) Vinyl Chloride	1.526	62	42170	17.80	ug/l	92
10) Chloroethane	1.809	64	20328	14.38	ug/l	89
11) Trichlorofluoromethane	2.007	101	52912	19.62	ug/l	91
12) 1,1,2-Trichloro-1,2,2-...	2.400	101	28722	18.54	ug/l	87
13) Methylene Chloride	2.765	84	53781	16.85	ug/l	99
14) Acrolein	2.331	56	33183	64.19	ug/l	99
15) Acrylonitrile	2.952	53	20776	17.14	ug/l	92
16) Iodomethane	2.528	142	67551	16.91	ug/l	90
17) Acetone	2.449	43	87872	85.70	ug/l	96
18) Carbon Disulfide	2.577	76	142192	15.51	ug/l	100
19) t-Butyl Alcohol	2.853	59	13245	78.93	ug/l	90
20) n-Hexane	3.188	57	33796	18.76	ug/l	83
21) Di-isopropyl-ether	3.346	45	221911	18.40	ug/l	82
22) 1,1-Dichloroethene	2.400	61	73976	18.41	ug/l	97
23) Methyl Acetate	2.686	43	74221	23.11	ug/l	100
24) Methyl-t-butyl ether	2.981	73	88911	17.59	ug/l	87
25) 1,1-Dichloroethane	3.297	63	107448	18.67	ug/l	97
26) trans-1,2-Dichloroethene	2.972	96	50524	19.86	ug/l	80
27) cis-1,2-Dichloroethene	3.762	61	90349	18.14	ug/l	95
28) Bromochloromethane	3.930	49	53327	18.40	ug/l	85
29) 2,2-Dichloropropane	3.762	77	52873	18.35	ug/l	94
30) 1,4-Dioxane	4.881	88	21987	1018.11	ug/l	73
31) 1,1-Dichloropropene	4.213	75	68213	20.63	ug/l	97
32) Chloroform	3.985	83	87997	19.12	ug/l	97
34) Cyclohexane	4.153	56	60520	20.02	ug/l	88
36) 1,2-Dichloroethane	4.346	62	81671	19.39	ug/l	93
37) 2-Butanone	3.768	43	29306	19.59	ug/l	93
38) 1,1,1-Trichloroethane	4.111	97	64512	18.82	ug/l	97
39) Carbon Tetrachloride	4.219	117	58527	20.53	ug/l	91
40) Vinyl Acetate	3.336	43	179602	13.00	ug/l	100
41) Bromodichloromethane	4.953	83	64015	17.35	ug/l	94
42) Methylcyclohexane	4.803	83	35400	22.50	ug/l	97
43) Dibromomethane	4.875	174	41846	16.47	ug/l	96
44) 1,2-Dichloropropane	4.815	63	54773	19.16	ug/l	98
45) Trichloroethene	4.695	130	49932	19.43	ug/l	90
46) Benzene	4.346	78	203191	20.30	ug/l	100
47) tert-Amyl methyl ether	4.400	73	80385	19.43	ug/l	81
49) Dibromochloromethane	5.766	129	43371	15.33	ug/l	88
50) 2-Chloroethylvinylether	5.098	63	28050	13.76	ug/l	88
51) cis-1,3-Dichloropropene	5.182	75	64402	15.34	ug/l	92
52) trans-1,3-Dichloropropene	5.459	75	56303	12.76	ug/l	93
53) 1,1,2-Trichloroethane	5.555	97	40330	17.11	ug/l	95
54) 1,2-Dibromoethane	5.832	107	39087	15.51	ug/l	93
55) 1,3-Dichloropropane	5.645	76	73331	17.29	ug/l	96
56) 4-Methyl-2-Pentanone	5.254	43	54528	14.98	ug/l	86
57) 2-Hexanone	5.669	43	36246	15.03	ug/l	91
58) Tetrachloroethene	5.645	164	42472	16.97	ug/l	86
60) Toluene	5.357	92	112594	18.03	ug/l	87
61) 1,1,1,2-Tetrachloroethane	6.115	133	41073	17.04	ug/l	97
62) Chlorobenzene	6.085	112	114749	17.27	ug/l	98
64) Bromoform	6.512	173	29693	11.90	ug/l	90
65) Ethylbenzene	6.127	106	59080	20.62	ug/l	93
66) 1,1,2,2-Tetrachloroethane	6.729	83	46206	14.67	ug/l	85
68) Styrene	6.398	104	111277	18.81	ug/l	88
69) m&p-Xylenes	6.187	106	125670	34.50	ug/l	89

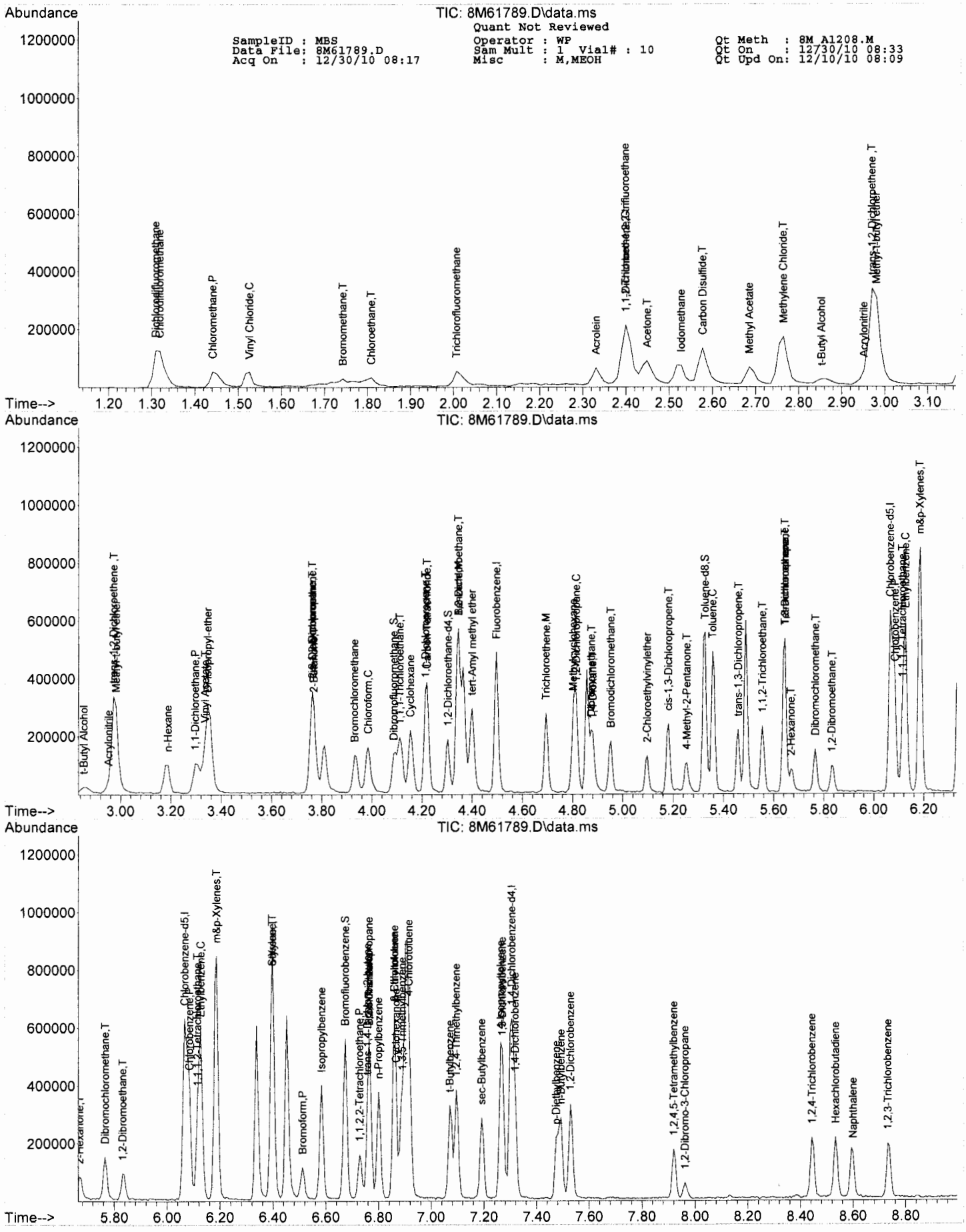
Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 8M61789.D
Acq On : 12/30/10 08:17
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : M,MEOH
Qt Meth : 8M_A1208.M
Qt On : 12/30/10 08:33
Qt Upd On: 12/10/10 08:09

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.398	106	63482	18.50 ug/l	88
71) trans-1,4-Dichloro-2-b...	6.759	53	18020	11.98 ug/l	17
72) 1,3-Dichlorobenzene	7.270	146	83830	17.09 ug/l	96
73) 1,4-Dichlorobenzene	7.318	146	90687	16.78 ug/l	95
74) 1,2-Dichlorobenzene	7.529	146	84207	16.56 ug/l	99
75) Isopropylbenzene	6.584	105	136564	18.49 ug/l	98
76) Cyclohexanone	6.867	55	518	3.81 ug/l	83
78) 1,2,3-Trichloropropane	6.765	75	53072	14.49 ug/l	92
79) 2-Chlorotoluene	6.861	91	137536	18.14 ug/l	96
80) p-Ethyltoluene	6.861	105	99002	13.25 ug/l	100
81) 4-Chlorotoluene	6.915	91	129880	16.87 ug/l	98
82) n-Propylbenzene	6.801	91	163828	17.13 ug/l	98
83) Bromobenzene	6.765	77	114116	15.46 ug/l	92
84) 1,3,5-Trimethylbenzene	6.891	105	115003	18.12 ug/l	98
85) t-Butylbenzene	7.072	119	103568	19.64 ug/l	94
86) 1,2,4-Trimethylbenzene	7.096	105	126232	18.43 ug/l	86
87) sec-Butylbenzene	7.192	105	113270	18.32 ug/l	100
88) 4-Isopropyltoluene	7.264	119	95302	19.39 ug/l	92
89) n-Butylbenzene	7.493	91	102294	16.97 ug/l	95
90) p-Diethylbenzene	7.475	119	42167	14.19 ug/l	95
91) 1,2,4,5-Tetramethylben...	7.920	119	56398	10.38 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	7.962	157	7282	18.28 ug/l	73
94) Hexachlorobutadiene	8.534	225	32358	15.47 ug/l	93
95) 1,2,4-Trichlorobenzene	8.444	180	49074	16.75 ug/l	97
96) 1,2,3-Trichlorobenzene	8.732	180	44137	16.23 ug/l	98
97) Naphthalene	8.600	128	88126	13.51 ug/l	100

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


Abundance
TIC: 8M61789.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 8M61789.D
Acq On : 12/30/10 08:17
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : M,MEOH
Qt Meth : 8M_A1208.M
Qt On : 12730/10 08:33
Qt Upd On: 12/10/10 08:09
Time-->

Form3
Recovery Data
QC Batch: MBS3754

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60468.D	AC55950-001(MS)	12/1/2010 5:02:00 PM
Non Spike(If applicable):	8M60365.D	AC55950-001	11/30/2010 10:55:00 A
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.22	0	20	106	15	160
1,1-Dichloroethene	1	15.95	0	20	80	17	114
1,1-Dichloroethane	1	16.69	0	20	83	37	126
Chloroform	1	17.91	0	20	90	41	129
1,2-Dichloroethane	1	16.71	0	20	84	38	130
2-Butanone	1	15.2	0	20	76	23	146
Carbon Tetrachloride	1	16.96	0	20	85	32	137
Trichloroethene	1	19.06	0	20	95	44	134
Benzene	1	19.21	0	20	96	44	138
Tetrachloroethene	1	17.98	0	20	90	48	133
Toluene	1	16.23	0	20	81	41	140
Chlorobenzene	1	14.81	0	20	74	52	127
1,4-Dichlorobenzene	1	13.91	0	20	70	52	120
1,2-Dichlorobenzene	1	14.14	0	20	71	51	127
n-Propylbenzene	1	13.63	0	20	68	49	135
sec-Butylbenzene	1	12.93	0	20	65	46	126

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60469.D	AC55950-001(MSD)	12/1/2010 5:19:00 PM
Non Spike(If applicable):	8M60365.D	AC55950-001	11/30/2010 10:55:00 A
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	21.92	0	20	110	15	160
1,1-Dichloroethene	1	18.45	0	20	92	17	114
1,1-Dichloroethane	1	16.69	0	20	83	37	126
Chloroform	1	17.74	0	20	89	41	129
1,2-Dichloroethane	1	16.09	0	20	80	38	130
2-Butanone	1	15.24	0	20	76	23	146
Carbon Tetrachloride	1	17.58	0	20	88	32	137
Trichloroethene	1	19.23	0	20	96	44	134
Benzene	1	18.82	0	20	94	44	138
Tetrachloroethene	1	17.46	0	20	87	48	133
Toluene	1	16.19	0	20	81	41	140
Chlorobenzene	1	16.35	0	20	82	52	127
1,4-Dichlorobenzene	1	15.49	0	20	77	52	120
1,2-Dichlorobenzene	1	14.2	0	20	71	51	127
n-Propylbenzene	1	14.9	0	20	74	49	135
sec-Butylbenzene	1	14.01	0	20	70	46	126

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS3754

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M60469.D	AC55950-001(MSD)	12/1/2010 5:19:00 PM
Duplicate(If applicable):	8M60468.D	AC55950-001(MS)	12/1/2010 5:02:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Methanol QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	21.92	21.22	3.2	44
1,1-Dichloroethene	1	18.45	15.95	15	28
1,1-Dichloroethane	1	16.69	16.69	0	28
Chloroform	1	17.74	17.91	0.95	22
1,2-Dichloroethane	1	16.09	16.71	3.8	22
2-Butanone	1	15.24	15.2	0.26	43
Carbon Tetrachloride	1	17.58	16.96	3.6	25
Trichloroethene	1	19.23	19.06	0.89	21
Benzene	1	18.82	19.21	2.1	24
Tetrachloroethene	1	17.46	17.98	2.9	24
Toluene	1	16.19	16.23	0.25	25
Chlorobenzene	1	16.35	14.81	9.9	17
1,4-Dichlorobenzene	1	15.49	13.91	11	19
1,2-Dichlorobenzene	1	14.2	14.14	0.42	20
n-Propylbenzene	1	14.9	13.63	8.9	22
sec-Butylbenzene	1	14.01	12.93	8	21

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

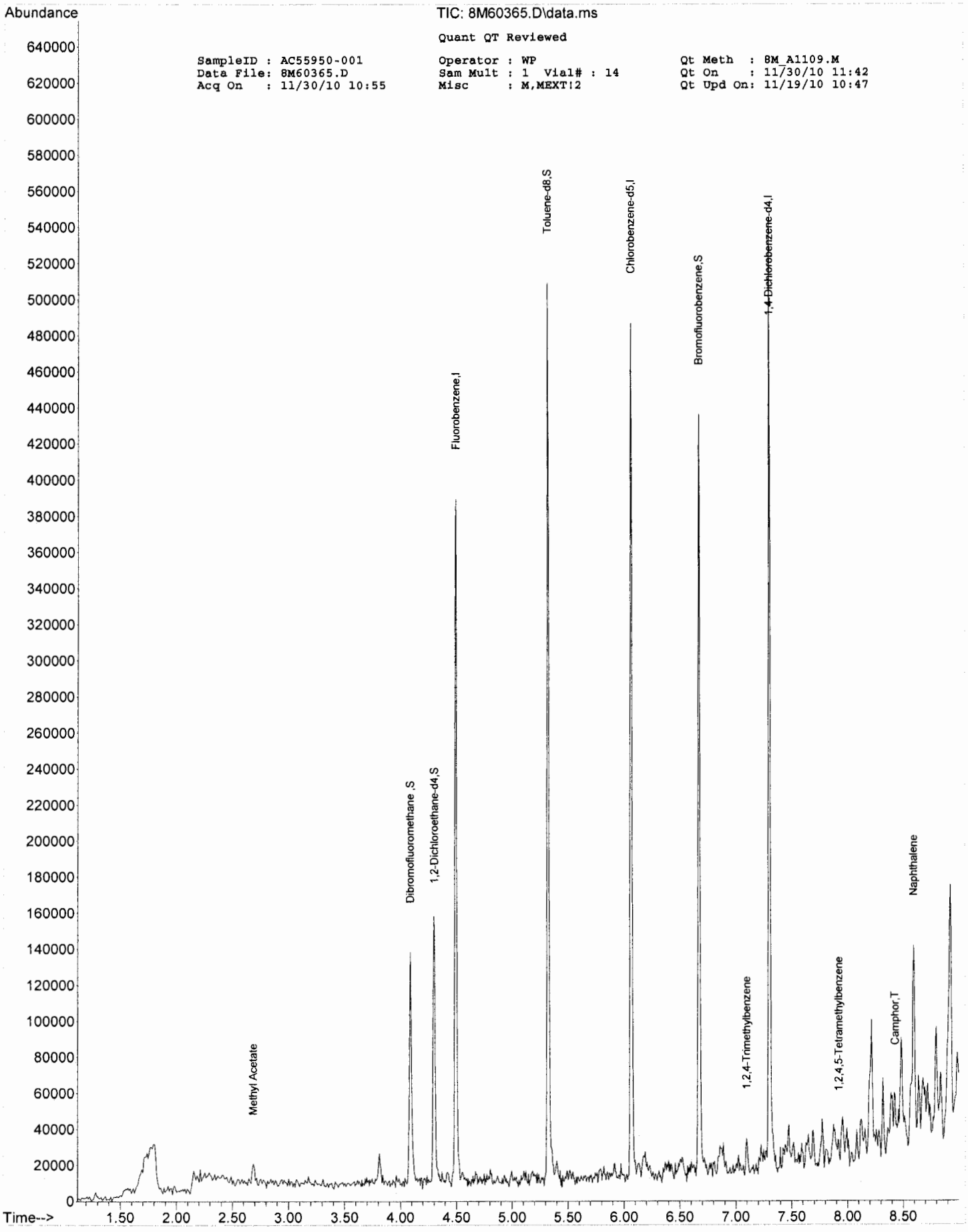
Quantitation Report (QT Reviewed)

SampleID : AC55950-001 Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60365.D Sam Mult : 1 Vial# : 14 Qt On : 11/30/10 11:42
Acq On : 11/30/10 10:55 Misc : M,MEXT!2 Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\11-30-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.496	96	175168	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.067	117	147710	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.301	152	94964	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.087	111	51080	30.71	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.37%			
35) 1,2-Dichloroethane-d4	4.304	102	11973	31.47	ug/l	-0.01
Spiked Amount 30.000			Recovery = 104.90%			
59) Toluene-d8	5.321	100	114895	27.58	ug/l	-0.02
Spiked Amount 30.000			Recovery = 91.93%			
67) Bromofluorobenzene	6.675	174	87301	28.40	ug/l	-0.01
Spiked Amount 30.000			Recovery = 94.67%			
Target Compounds						Qvalue
23) Methyl Acetate	2.686	43	15815	5.80	ug/l	100
86) 1,2,4-Trimethylbenzene	7.096	105	7616	1.18	ug/l	80
91) 1,2,4,5-Tetramethylben...	7.920	119	5721	1.20	ug/l	91
93) Camphor	8.426	95	706	3.16	ug/l	89
97) Naphthalene	8.594	128	52559	9.27	ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : AC55950-001
Data File: 8M60365.D
Acq On : 11/30/10 10:55
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : M,MEXT!2
Qt Meth : 8M_A1109.M
Qt On : 11/30/10 11:42
Qt Upd On: 11/19/10 10:47
Methyl Acetate
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
1,2,4-Trimethylbenzene
1,2,4,5-Tetramethylbenzene
Camphor,T
Naphthalene
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC55950-001(MS) Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60468.D Sam Mult : 1 Vial# : 32 Qt On : 12/02/10 07:17
Acq On : 12/ 1/10 17:02 Misc : M,MEXT!2 Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.508	96	222213	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	196335	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.312	152	127834	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	64101	30.38	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.27%		
35) 1,2-Dichloroethane-d4	4.315	102	14237	29.50	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.33%		
59) Toluene-d8	5.338	100	151789	27.42	ug/l	0.00
Spiked Amount 30.000			Recovery =	91.40%		
67) Bromofluorobenzene	6.686	174	124246	30.02	ug/l	0.00
Spiked Amount 30.000			Recovery =	100.07%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.321	51	138858	23.20	ug/l	65
6) Dichlorodifluoromethane	1.311	85	62501	28.49	ug/l	94
7) Chloromethane	1.453	50	88402	31.04	ug/l	77
8) Bromomethane	1.745	94	4388	3.77	ug/l	99
9) Vinyl Chloride	1.528	62	57511	21.22	ug/l	96
10) Chloroethane	1.811	64	5341	3.24	ug/l	77
11) Trichlorofluoromethane	2.009	101	43767	10.95	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.400	101	29208	16.27	ug/l	94
13) Methylene Chloride	2.775	84	58105	12.62	ug/l	95
14) Acrolein	2.341	56	40591	98.02	ug/l	85
15) Acrylonitrile	2.962	53	19826	14.65	ug/l	98
16) Iodomethane	2.528	142	70206	16.15	ug/l	91
17) Acetone	2.469	43	88753	45.68	ug/l	97
18) Carbon Disulfide	2.587	76	144582	18.34	ug/l	100
19) t-Butyl Alcohol	2.883	59	12793	48.31	ug/l	87
20) n-Hexane	3.198	57	34164	15.01	ug/l	76
21) Di-isopropyl-ether	3.366	45	212089	14.54	ug/l	85
22) 1,1-Dichloroethene	2.410	61	78452	15.95	ug/l	99
23) Methyl Acetate	2.706	43	92780	26.80	ug/l	100
24) Methyl-t-butyl ether	2.992	73	81008	10.99	ug/l	93
25) 1,1-Dichloroethane	3.317	63	105083	16.69	ug/l	93
26) trans-1,2-Dichloroethene	2.992	96	51557	17.90	ug/l	89
27) cis-1,2-Dichloroethene	3.774	61	93733	16.73	ug/l	88
28) Bromochloromethane	3.948	49	53123	16.51	ug/l	89
29) 2,2-Dichloropropane	3.774	77	41800	11.96	ug/l	87
30) 1,4-Dioxane	4.893	88	23664	861.40	ug/l	87
31) 1,1-Dichloropropene	4.225	75	67725	18.38	ug/l	93
32) Chloroform	3.996	83	88153	17.91	ug/l	97
34) Cyclohexane	4.165	56	66874	17.50	ug/l	80
36) 1,2-Dichloroethane	4.357	62	79434	16.71	ug/l	91
37) 2-Butanone	3.786	43	29579	15.20	ug/l	76
38) 1,1,1-Trichloroethane	4.129	97	61364	16.11	ug/l	89
39) Carbon Tetrachloride	4.231	117	55061	16.96	ug/l	95
40) Vinyl Acetate	3.356	43	172424	11.05	ug/l	100
41) Bromodichloromethane	4.965	83	57405	14.59	ug/l	97
42) Methylcyclohexane	4.815	83	35566	17.65	ug/l	89
43) Dibromomethane	4.887	174	45232	19.62	ug/l	91
44) 1,2-Dichloropropane	4.827	63	53512	17.72	ug/l	97
45) Trichloroethene	4.707	130	50523	19.06	ug/l	98
46) Benzene	4.351	78	200952	19.21	ug/l	100
47) tert-Amyl methyl ether	4.412	73	65355	9.43	ug/l	94
49) Dibromochloromethane	5.778	129	39506	12.13	ug/l	87
50) 2-Chloroethylvinylether	5.110	63	27005	12.13	ug/l	80
51) cis-1,3-Dichloropropene	5.194	75	60338	12.19	ug/l	89
52) trans-1,3-Dichloropropene	5.471	75	44828	9.82	ug/l	99
53) 1,1,2-Trichloroethane	5.567	97	37199	14.66	ug/l	96
54) 1,2-Dibromoethane	5.844	107	37014	13.44	ug/l	79
55) 1,3-Dichloropropane	5.657	76	68798	14.51	ug/l	93
56) 4-Methyl-2-Pentanone	5.266	43	55502	11.47	ug/l	93
57) 2-Hexanone	5.687	43	39565	11.60	ug/l	78
58) Tetrachloroethene	5.651	164	46797	17.98	ug/l	92
60) Toluene	5.368	92	107473	16.23	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.127	133	37126	14.56	ug/l	83
62) Chlorobenzene	6.091	112	103012	14.81	ug/l	100
64) Bromoform	6.524	173	33060	11.26	ug/l	89
65) Ethylbenzene	6.139	106	47512	13.19	ug/l	76
66) 1,1,2,2-Tetrachloroethane	6.740	83	43892	11.24	ug/l	85
68) Styrene	6.409	104	106450	14.01	ug/l	97
69) m&p-Xylenes	6.199	106	129842	28.70	ug/l	96

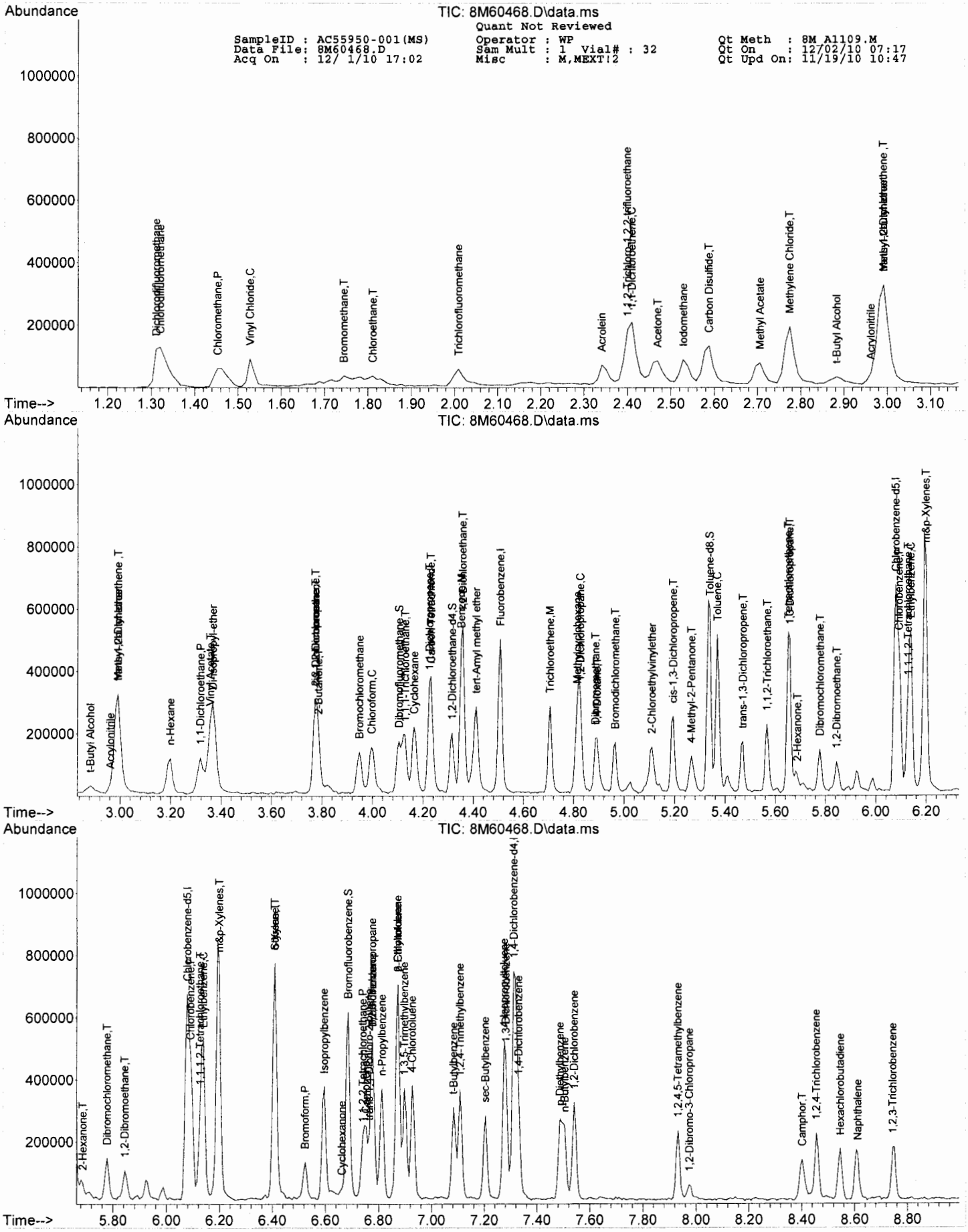
Quantitation Report (Not Reviewed)

SampleID : AC55950-001(MS) Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60468.D Sam Mult : 1 Vial# : 32 Qt On : 12/02/10 07:17
Acq On : 12/ 1/10 17:02 Misc : M,MEXT!2 Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.409	106	64569	14.96	ug/l	99
71) trans-1,4-Dichloro-2-b...	6.765	53	24619	13.38	ug/l	1
72) 1,3-Dichlorobenzene	7.282	146	83149	13.94	ug/l	95
73) 1,4-Dichlorobenzene	7.330	146	83927	13.91	ug/l	92
74) 1,2-Dichlorobenzene	7.541	146	83731	14.14	ug/l	96
75) Isopropylbenzene	6.596	105	132245	13.28	ug/l	100
76) Cyclohexanone	6.662	55	10367	63.25	ug/l	72
77) Camphene	6.752	93	35369	12.49	ug/l	90
78) 1,2,3-Trichloropropane	6.777	75	49929	10.68	ug/l	96
79) 2-Chlorotoluene	6.873	91	131579	13.20	ug/l	95
80) p-Ethyltoluene	6.873	105	133215	12.71	ug/l	96
81) 4-Chlorotoluene	6.927	91	129816	13.36	ug/l	98
82) n-Propylbenzene	6.813	91	162609	13.63	ug/l	98
83) Bromobenzene	6.777	77	111867	12.34	ug/l	93
84) 1,3,5-Trimethylbenzene	6.897	105	110494	14.04	ug/l	92
85) t-Butylbenzene	7.083	119	87769	12.81	ug/l	85
86) 1,2,4-Trimethylbenzene	7.108	105	116775	13.48	ug/l	89
87) sec-Butylbenzene	7.204	105	107516	12.93	ug/l	94
88) 4-Isopropyltoluene	7.276	119	85345	13.35	ug/l	95
89) n-Butylbenzene	7.505	91	95838	12.40	ug/l	99
90) p-Diethylbenzene	7.487	119	48983	10.05	ug/l	96
91) 1,2,4,5-Tetramethylben...	7.932	119	71244	11.12	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	7.974	157	7736	9.44	ug/l	96
93) Camphor	8.401	95	22002	73.14	ug/l	96
94) Hexachlorobutadiene	8.546	225	28467	10.59	ug/l	96
95) 1,2,4-Trichlorobenzene	8.455	180	45417	13.00	ug/l	97
96) 1,2,3-Trichlorobenzene	8.744	180	43277	13.19	ug/l	91
97) Naphthalene	8.612	128	86242	11.31	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 8M60468.D\data.ms
Quant Not Reviewed
SampleID : AC55950-001(MS)
Data File: 8M60468.D
Acq On : 12/ 1/10 17:02
Operator : WP
Sam Mult : 1 Vial# : 32
Misc : M,MEXT!2
Qt Meth : 8M_A1109.M
Qt On : 12/02/10 07:17
Qt Upd On: 11/19/10 10:47
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->
Abundance
TIC: 8M60468.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Time-->
Abundance
TIC: 8M60468.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromofluorobenzene,S
Bromoform,P
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC55950-001(MSD) Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60469.D Sam Mult : 1 Vial# : 33 Qt On : 12/02/10 07:17
Acq On : 12/ 1/10 17:19 Misc : M,MEXT!2 Qt Upd On: 11/19/10 10:47

Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.509	96	214451	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.079	117	184246	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.313	152	116531	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	61898	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.33%		
35) 1,2-Dichloroethane-d4	4.310	102	13657	29.32	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.73%		
59) Toluene-d8	5.333	100	139723	26.89	ug/l	0.00
Spiked Amount 30.000			Recovery =	89.63%		
67) Bromofluorobenzene	6.687	174	110738	29.36	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.87%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.323	51	135493	23.46	ug/l	66
6) Dichlorodifluoromethane	1.314	85	62851	29.69	ug/l	90
7) Chloromethane	1.456	50	80992	29.47	ug/l	83
8) Bromomethane	1.748	94	5312	4.73	ug/l	97
9) Vinyl Chloride	1.531	62	57326	21.92	ug/l	93
10) Chloroethane	1.804	64	3935	2.48	ug/l	54
11) Trichlorofluoromethane	2.002	101	46342	12.01	ug/l	82
12) 1,1,2-Trichloro-1,2,2-...	2.401	101	30736	17.75	ug/l	93
13) Methylene Chloride	2.776	84	56613	12.82	ug/l	95
14) Acrolein	2.342	56	35424	88.64	ug/l	94
15) Acrylonitrile	2.963	53	20445	15.65	ug/l	95
16) Iodomethane	2.529	142	75349	17.98	ug/l	85
17) Acetone	2.470	43	91557	52.15	ug/l	99
18) Carbon Disulfide	2.588	76	140442	18.46	ug/l	100
19) t-Butyl Alcohol	2.884	59	12858	50.32	ug/l	81
20) n-Hexane	3.199	57	37106	16.90	ug/l	86
21) Di-isopropyl-ether	3.367	45	211827	15.04	ug/l	84
22) 1,1-Dichloroethene	2.411	61	87551	18.45	ug/l	97
23) Methyl Acetate	2.707	43	87440	26.17	ug/l	100
24) Methyl-t-butyl ether	2.992	73	77209	10.86	ug/l	91
25) 1,1-Dichloroethane	3.318	63	101454	16.69	ug/l	96
26) trans-1,2-Dichloroethene	2.983	96	50605	18.21	ug/l	75
27) cis-1,2-Dichloroethene	3.774	61	90521	16.74	ug/l	94
28) Bromochloromethane	3.949	49	57137	18.40	ug/l	84
29) 2,2-Dichloropropane	3.774	77	41206	12.22	ug/l	91
30) 1,4-Dioxane	4.900	88	20738	782.21	ug/l	77
31) 1,1-Dichloropropene	4.226	75	66963	18.83	ug/l	88
32) Chloroform	3.997	83	84260	17.74	ug/l	97
34) Cyclohexane	4.166	56	64601	17.52	ug/l	82
36) 1,2-Dichloroethane	4.358	62	73827	16.09	ug/l	98
37) 2-Butanone	3.786	43	28616	15.24	ug/l	77
38) 1,1,1-Trichloroethane	4.123	97	56944	15.49	ug/l	99
39) Carbon Tetrachloride	4.232	117	55087	17.58	ug/l	94
40) Vinyl Acetate	3.357	43	161287	10.71	ug/l	100
41) Bromodichloromethane	4.960	83	59988	15.80	ug/l	91
42) Methylcyclohexane	4.809	83	34920	17.96	ug/l	92
43) Dibromomethane	4.888	174	40789	18.33	ug/l	82
44) 1,2-Dichloropropane	4.827	63	50189	17.22	ug/l	99
45) Trichloroethene	4.707	130	49200	19.23	ug/l	88
46) Benzene	4.352	78	189951	18.82	ug/l	100
47) tert-Amyl methyl ether	4.412	73	63894	9.55	ug/l	99
49) Dibromochloromethane	5.778	129	39396	12.89	ug/l	98
50) 2-Chloroethylvinylether	5.104	63	25846	12.37	ug/l	91
51) cis-1,3-Dichloropropene	5.189	75	57503	12.38	ug/l	94
52) trans-1,3-Dichloropropene	5.465	75	42145	9.84	ug/l	96
53) 1,1,2-Trichloroethane	5.568	97	39346	16.52	ug/l	99
54) 1,2-Dibromoethane	5.844	107	35618	13.78	ug/l	98
55) 1,3-Dichloropropane	5.652	76	71921	16.17	ug/l	95
56) 4-Methyl-2-Pentanone	5.261	43	50989	11.23	ug/l	89
57) 2-Hexanone	5.682	43	38778	12.12	ug/l	88
58) Tetrachloroethene	5.652	164	42644	17.46	ug/l	93
60) Toluene	5.369	92	100597	16.19	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.127	133	37759	15.78	ug/l	91
62) Chlorobenzene	6.091	112	106694	16.35	ug/l	95
64) Bromoform	6.524	173	30170	11.27	ug/l	96
65) Ethylbenzene	6.139	106	54728	16.67	ug/l	99
66) 1,1,2,2-Tetrachloroethane	6.741	83	44328	12.45	ug/l	89
68) Styrene	6.410	104	102934	14.86	ug/l	85
69) m&p-Xylenes	6.193	106	121623	29.49	ug/l	99

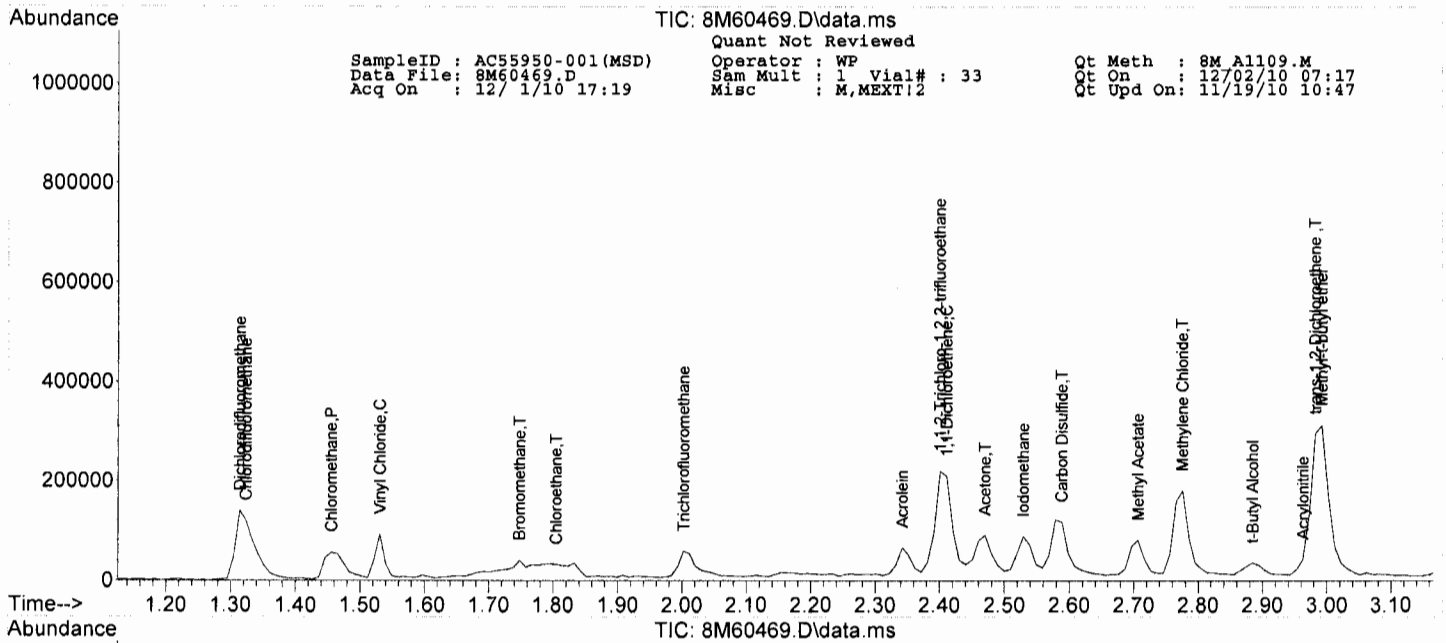
Quantitation Report (Not Reviewed)

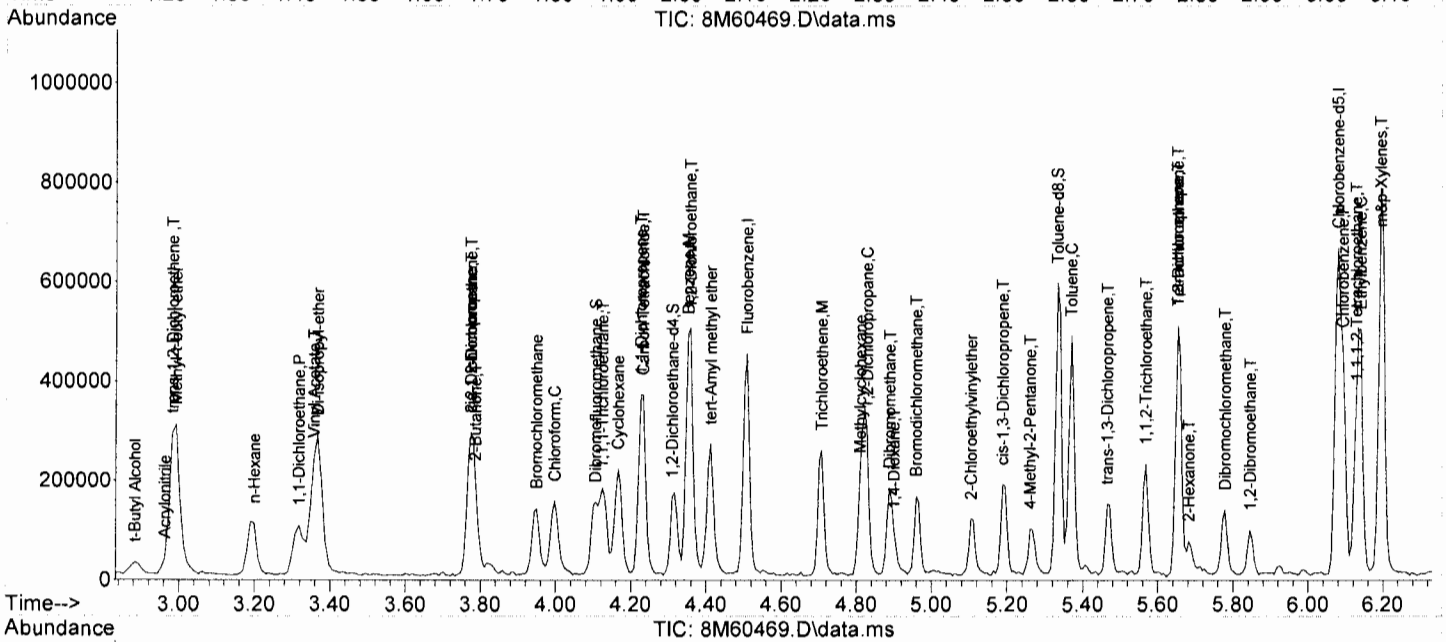
SampleID : AC55950-001(MSD) Operator : WP Qt Meth : 8M_A1109.M
Data File: 8M60469.D Sam Mult : 1 Vial# : 33 Qt On : 12/02/10 07:17
Acq On : 12/ 1/10 17:19 Misc : M,MEXT!2 Qt Upd On: 11/19/10 10:47

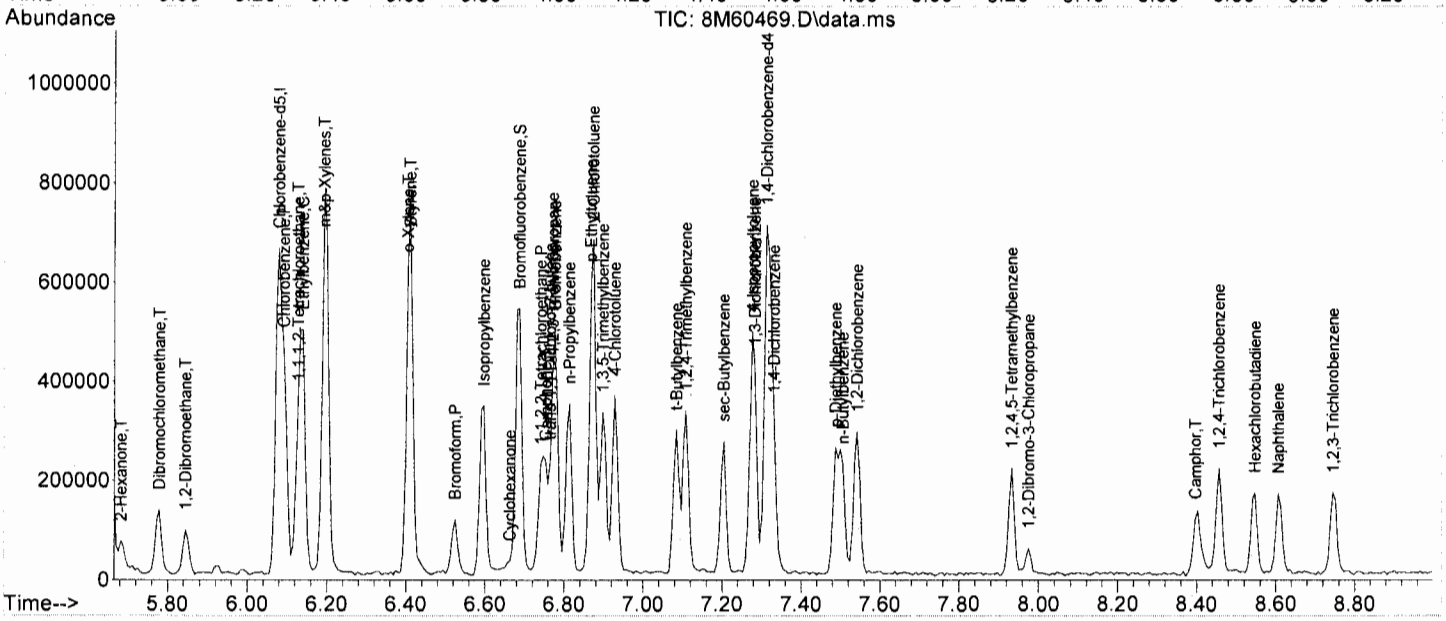
Data Path : G:\GcMsData\2010\GCMS_8\Data\12-01-10\
Qt Path : G:\GcMsData\2010\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.404	106	58762	14.93	ug/l	79
71)	trans-1,4-Dichloro-2-b...	6.765	53	22735	13.56	ug/l	1
72)	1,3-Dichlorobenzene	7.283	146	79861	14.69	ug/l	97
73)	1,4-Dichlorobenzene	7.331	146	85168	15.49	ug/l	92
74)	1,2-Dichlorobenzene	7.541	146	76669	14.20	ug/l	96
75)	Isopropylbenzene	6.597	105	130274	14.35	ug/l	98
76)	Cyclohexanone	6.663	55	9339	62.50	ug/l	82
77)	Camphene	6.753	93	33223	12.87	ug/l	92
78)	1,2,3-Trichloropropane	6.771	75	52827	12.40	ug/l	92
79)	2-Chlorotoluene	6.873	91	132433	14.58	ug/l	95
80)	p-Ethyltoluene	6.867	105	131884	13.80	ug/l	97
81)	4-Chlorotoluene	6.928	91	120072	13.55	ug/l	95
82)	n-Propylbenzene	6.813	91	162024	14.90	ug/l	100
83)	Bromobenzene	6.777	77	109508	13.25	ug/l	93
84)	1,3,5-Trimethylbenzene	6.898	105	103797	14.47	ug/l	96
85)	t-Butylbenzene	7.084	119	85547	13.69	ug/l	91
86)	1,2,4-Trimethylbenzene	7.108	105	114480	14.50	ug/l	86
87)	sec-Butylbenzene	7.204	105	106131	14.01	ug/l	100
88)	4-Isopropyltoluene	7.277	119	83506	14.33	ug/l	99
89)	n-Butylbenzene	7.505	91	92746	13.16	ug/l	98
90)	p-Diethylbenzene	7.487	119	47946	10.79	ug/l	93
91)	1,2,4,5-Tetramethylben...	7.933	119	64950	11.12	ug/l	98
92)	1,2-Dibromo-3-Chloropr...	7.975	157	6914	9.26	ug/l	92
93)	Camphor	8.396	95	21526	78.49	ug/l	94
94)	Hexachlorobutadiene	8.546	225	27930	11.40	ug/l	98
95)	1,2,4-Trichlorobenzene	8.456	180	45452	14.27	ug/l	92
96)	1,2,3-Trichlorobenzene	8.745	180	40814	13.64	ug/l	97
97)	Naphthalene	8.606	128	80746	11.61	ug/l	100

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


Abundance
TIC: 8M60469.D\data.ms
Quant Not Reviewed
SampleID : AC55950-001(MSD)
Data File: 8M60469.D
Acq On : 12/ 1/10 17:19
Operator : WP
Sam Mult : 1 Vial# : 33
Misc : M,MEXT!2
Qt Meth : 8M_A1109.M
Qt On : 12/02/10 07:17
Qt Upd On: 11/19/10 10:47
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
1,1,2-Trichloro-1,2,2-trifluoroethane
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 8M60469.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane,C
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Time-->


Abundance
TIC: 8M60469.D\data.ms
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor,T
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

GC/MS Volatile Data
Logbook Data

1-1-8M59437

RUN LOG

Instrument: GCMS_8 Year: 200189
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M59437.	BFB TUNE		V-95606,V-95161,V-101179	DB						11/09 08:00
8M59438.	BLK	CnAnc	-	DB		Aqueous	1	1	624 8260	11/09 08:19
8M59439.	CAL @ 20 PPB	C16C18	-	DB		Aqueous	1	1	624 8260	11/09 08:35
8M59441.	BLK	IsC8fC6f	-	DB		Aqueous	1	1	624 8260	11/09 09:17
8M59442.	CAL @ 1 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 09:33
8M59443.	CAL @ 0.5 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 09:52
8M59444.	CAL @ 5 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 10:09
8M59445.	CAL @ 500 PPB	Oc	B-9067	DB		Aqueous	1	1	624 8260	11/09 10:26
8M59446.	CAL @ 250 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 10:42
8M59447.	CAL @ 100 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 10:59
8M59448.	CAL @ 50 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 11:15
8M59449.	CAL @ 20 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 11:31
8M59450.	CAL @ 10 PPB		B-9067	DB		Aqueous	1	1	624 8260	11/09 11:48
8M59451.	ICV		V-101189	DB		Aqueous	1	1	624 8260	11/09 12:04
8M59452.	STD		-	DB		Aqueous	1	1	624 8260	11/09 12:29
8M59453.	BLK		-	DB		Aqueous	1	1	624 8260	11/09 12:46
8M59454.	DAILY BLANK		OK	DB		Methano	1	1	8260	11/09 13:02
8M59455.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	11/09 13:19
8M59456.	MBS2994		OK MBS2994	DB		Aqueous	1	1	624 8260	11/09 13:35
8M59457.	MBS2995		OK MBS2995	DB		Methano	1	1	8260	11/09 13:52
8M59458.	AC55493-017(MS:AC5		OK MBS2994	DB	VO10-624	Aqueous	1	1	624 8260	11/09 14:08
8M59459.	AC55493-018(MSD:AC		OK MBS2994	DB	VO10-624	Aqueous	1	1	624 8260	11/09 14:25
8M59460.	AC55492-001(500X)				VOSTARS-82	Aqueous	1	500	8260	11/09 14:41
8M59461.	BLK		-	DB		Aqueous	1	1	624 8260	11/09 14:58
8M59462.	AC55525-002		OK	DB	VO10-624	Aqueous	1	1	624	11/09 15:14
8M59463.	AC55525-003		OK	DB	VO10-624	Aqueous	1	1	624	11/09 15:31
8M59464.	AC55526-017		OK	DB	VO10-624	Aqueous	1	1	624	11/09 15:47
8M59465	AC55524-003		OK	DB	VO10-624	Aqueous	1	1	624	11/09 16:04
8M59466.	AC55524-004		OK	DB	VO10-624	Aqueous	1	1	624	11/09 16:21
8M59467.	AC55530-002		OK	DB	VO10-624	Aqueous	1	1	624	11/09 16:37
8M59468.	AC55530-003		OK	DB	VO10-624	Aqueous	1	1	624	11/09 16:54
8M59469.	AC55548-006		OK	DB	VO10-624	Aqueous	1	1	624	11/09 17:10
8M59470.	AC55548-005		OK	DB	VO10-624	Aqueous	1	1	624	11/09 17:27
8M59471.	AC55525-001		OK MBS3005	DB	VO10-624	Aqueous	1	1	624	11/09 17:43
8M59472.	AC55526-015		OK	DB	VO10-624	Aqueous	1	1	624	11/09 18:00
8M59473.	AC55526-016		OK	DB	VO10-624	Aqueous	1	1	624	11/09 18:16
8M59474.	AC55524-001		OK	DB	VO10-624	Aqueous	1	1	624	11/09 18:33
8M59475.	AC55530-001		OK MBS3057	DB	VO10-624	Aqueous	1	1	624	11/09 18:49
8M59476.	AC55531-001		OK	DB	VO10-624	Aqueous	1	1	624	11/09 19:05
8M59477.	AC55531-002		OK	DB	VO10-624	Aqueous	1	1	624	11/09 19:22
8M59478.	AC55531-003		OK	DB	VO10-624	Aqueous	1	1	624	11/09 19:38
8M59479.	BLK		-	DB		Aqueous	1	1	624 8260	11/09 19:55

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-8M60350

Instrument: GCMS_8 Year: 2001 90
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M60350.	BFB TUNE		V-95606,V-102738,V-95161,V-102121	DB						11/30 06:37
8M60351.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	11/30 06:56
8M60352.	BLK		-	DB		Aqueous	1	1	624 8260	11/30 07:18
8M60353.	DAILY BLANK		OK	DB		Methano	1	1	8260	11/30 07:35
8M60354.	DAILY BLANK		OK	KL		Aqueous	1	1	624 8260	11/30 07:51
8M60355.	AC55949-008		OK	DB	VO10-624	Aqueous	1	1	624	11/30 08:12
8M60356.	MBS3730		OK MBS3730	DB		Aqueous	1	1	624 8260	11/30 08:28
8M60357.	MBS3731		OK MBS3731	DB		Methano	1	1	8260	11/30 08:44
8M60358.	BLK		-	DB		Aqueous	1	1	624 8260	11/30 09:01
8M60359.	AC55916-002		OK	DB	VO10-624	Aqueous	1	1	624	11/30 09:18
8M60360.	AC55946-001		OK	DB	VO10-624	Aqueous	1	1	624	11/30 09:34
8M60361.	AC55946-003		OK	DB	VO10-624	Aqueous	1	1	624	11/30 09:50
8M60362.	AC55990-001(10X)		RR-1X	DB	VO10-624	Aqueous	1	10	624	11/30 10:06
8M60363.	AC55885-002		OK MBS3747	DB	VO-624	Aqueous	1	1	624	11/30 10:23
8M60364.	AC55990-001		OK	DB	VO10-624	Aqueous	1	1	624	11/30 10:39
8M60365.	AC55950-001		RR-5g MBS3754	DB	VO-8260	Methano	1	1	8260	11/30 10:55
8M60366.	AC55950-003		RR-5g	DB	VO-8260	Methano	1	1	8260	11/30 11:11
8M60367.	AC55943-002(T)		OK	KL	VOTCLP-826	Aqueous	1	1	8260	11/30 11:27
8M60368.	AC55943-003(T)		OK	KL	VOTCLP-826	Aqueous	1	1	8260	11/30 11:43
8M60369.	EF-1-V-102351(113010		OK	KL		Aqueous	1	1130	8260	11/30 11:59
8M60370.	AC55950-004		RR-5g	DB	VO-8260	Methano	1	1	8260	11/30 12:16
8M60371.	AC55950-005		RR-5g	DB	VO-8260	Methano	1	1	8260	11/30 12:32
8M60372.	AC55860-005(100X)		RR-1X	DB	VO10-624	Aqueous	1	100	624	11/30 12:48
8M60373.	AC55950-006		RR-5g	DB	VO-8260	Methano	1	1	8260	11/30 13:04
8M60374.	AC55950-007		RR-5g	DB	VO-8260	Methano	1	1	8260	11/30 13:20
8M60375.	AC55860-005		OK	DB	VO10-624	Aqueous	1	1	624	11/30 13:36
8M60376.	AC55966-002(80uL)		OK	DB	VO-8260	Methano	1	10	8260	11/30 13:52
8M60377.	AC55942-004(40uL)		RR-40uL - TIC CO DIRTY	DB	VO10-8260	Methano	1	20	8260	11/30 14:09
8M60378.	AC55942-005(40uL)		OK	DB	VO10-8260	Methano	1	20	8260	11/30 14:25
8M60379.	AC55942-003(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	11/30 14:41
8M60380.	AC55821-001(T:MS)		OK MBS3730	DB	VOTCLP-826	Aqueous	1	1	624 8260	11/30 14:57
8M60381.	AC55821-001(T:MSD)		OK MBS3730	DB	VOTCLP-826	Aqueous	1	1	624 8260	11/30 15:13
8M60382.	AC55874-002(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	11/30 15:30
8M60383.	AC55874-003(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	11/30 15:46
8M60384.	AC55874-001(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	11/30 16:02
8M60385.	AC55965-002		OK	DB	VO-8260	Aqueous	1	1	8260	11/30 16:18
8M60386.	AC55965-009		OK	DB	VO-8260	Aqueous	1	1	8260	11/30 16:34
8M60387.	AC55965-020		OK	DB	VO-8260	Aqueous	1	1	8260	11/30 16:51
8M60388.	AC55965-001		OK	DB	VO-8260	Aqueous	1	1	8260	11/30 17:07
8M60389.	AC55965-013(5X)		OK	DB	VO-8260	Aqueous	1	5	8260	11/30 17:26
8M60390.	AC55965-018(10X)		OK	DB	VO-8260	Aqueous	1	10	8260	11/30 17:47
8M60391.	AC55965-005(10X)		OK	DB	VO-8260	Aqueous	1	10	8260	11/30 18:08
8M60392.	AC55965-003(20X)		OK	DB	VO-8260	Aqueous	1	20	8260	11/30 18:29
8M60393.	MBS3747	Ti8	OK MBS3747	DB		Aqueous	1	1	624 8260	11/30 18:46
8M60394.	AC55885-002(MS)	Ti8	OK MBS3747	DB	VO-624	Aqueous	1	1	624 8260	11/30 19:02
8M60395.	AC55885-002(MSD)	Ti8	OK MBS3747	DB	VO-624	Aqueous	1	1	624 8260	11/30 19:19
8M60396.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	11/30 19:36
8M60397.	BLK	Ti8	OK	DB		Aqueous	1	1	624 8260	11/30 19:52
8M60398.	MBS3748	Ti8	OK MBS3748	DB		Aqueous	1	1	624 8260	11/30 20:08
8M60399.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	11/30 20:25
8M60400.	AC55986-001		OK	DB	VO-624	Aqueous	1	1	624	11/30 20:41
8M60401.	AC55986-002		OK	DB	VO-624	Aqueous	1	1	624	11/30 20:58
8M60402.	AC55987-009		OK	DB	VO10-624	Aqueous	1	1	624	11/30 21:14
8M60403.	AC55990-002		OK	DB	VO10-624	Aqueous	1	1	624	11/30 21:30
8M60404.	AC55990-003		OK	DB	VO10-624	Aqueous	1	1	624	11/30 21:47
8M60405.	AC55995-002		OK	DB	VO10-624	Aqueous	1	1	624	11/30 22:03
8M60406.	AC55995-003	S6	RR-1X	DB	VO10-624	Aqueous	1	1	624	11/30 22:20
8M60407.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	11/30 22:36
8M60408.	AC55986-003		OK MBS3765	DB	VO-624	Aqueous	1	1	624	11/30 22:53
8M60409.	AC55986-004		OK	DB	VO-624	Aqueous	1	1	624	11/30 23:09
8M60410.	AC55986-005		OK	DB	VO-624	Aqueous	1	1	624	11/30 23:25
8M60411.	MBS3749	Ti8	- MBS3749	DB		Aqueous	1	1	624 8260	11/30 23:42
8M60412.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	11/30 23:58
8M60413.	AC55987-003	Oc	RR-5X	DB	VO10-624	Aqueous	1	1	624	12/01 00:15
8M60414.	AC55987-004		OK	DB	VO10-624	Aqueous	1	1	624	12/01 00:31
8M60415.	AC55987-005		OK	DB	VO10-624	Aqueous	1	1	624	12/01 00:48

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Crn	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R18.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have oassino cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have oassino cal	Iv	Pmb with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missino for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Undated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emn	Problem Checking Prep/rundates modcheckprepround	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_8 Year: 20 01 91
Analyst: WP

1-1-8M60416

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M60416.	AC55987-007		OK	DB	VO10-624	Aqueous	1	1	624	12/01 01:04
8M60417.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 01:21
8M60418.	AC55987-001(200X)		RR-20X	DB	VO10-624	Aqueous	1	200	624	12/01 01:37
8M60419.	AC55987-002(200X)		RR-10X	DB	VO10-624	Aqueous	1	200	624	12/01 01:54
8M60420.	AC55987-008(200X)		RR-20X	DB	VO10-624	Aqueous	1	200	624	12/01 02:10
8M60421.	AC55995-001		OK	DB	VO10-624	Aqueous	1	1	624	12/01 02:27
8M60422.	MBS3750	Ti8	- MBS3750	DB		Aqueous	1	1	624 8260	12/01 02:43
8M60423.	STD	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 03:00
8M60424.	STD	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 03:16
8M60425.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 03:33
8M60426.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 03:49
8M60427.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 04:06
8M60428.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 04:22
8M60429.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 04:39
8M60430.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 04:55
8M60431.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 05:12
8M60432.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 05:28

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eph
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckpreprunds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-8M60434

Instrument: GCMS_8 Year: 2001 92
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M60434.	BFB TUNE		V-95606,V-102871,V-95161,V-102121	DB						12/01 06:57
8M60435.	BLK	CnAnc	-	DB		Aqueous	1	1	624 8260	12/01 07:13
8M60436.	20 PPB	CnAnc	-	DB		Aqueous	1	1	624 8260	12/01 07:29
8M60437.	BLK	CnAnc	-	DB		Aqueous	1	1	624 8260	12/01 07:55
8M60438.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	12/01 08:11
8M60439.	BLK		-	DB		Aqueous	1	1	624 8260	12/01 08:35
8M60440.	DAILY BLANK		OK	DB		Methano	1	1	8260	12/01 08:51
8M60441.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	12/01 09:08
8M60442.	MBS3755	S6S8	- MBS3755	DB		Aqueous	1	1	624 8260	12/01 09:24
8M60443.	MBS3754		OK MBS3754	DB		Methano	1	1	8260	12/01 09:41
8M60444.	AC55966-008		OK	DB	VO-8260	Aqueous	1	1	8260	12/01 09:57
8M60445.	MBS3756		OK MBS3756	DB		Aqueous	1	1	624 8260	12/01 10:14
8M60446.	AC55966-010	Ho	OK,collection date changed 11/30/10	DB	VO-8260	Aqueous	1	1	8260	12/01 10:30
8M60447.	AC56010-005		OK	DB	VO10-624	Aqueous	1	1	624	12/01 10:47
8M60448.	AC56010-004		OK	DB	VO10-624	Aqueous	1	1	624	12/01 11:03
8M60449.	AC56010-003		OK MBS3756	DB	VO10-624	Aqueous	1	1	624	12/01 11:20
8M60450.	AC56010-002		OK	DB	VO10-624	Aqueous	1	1	624	12/01 11:37
8M60451.	AC56010-001		OK	DB	VO10-624	Aqueous	1	1	624	12/01 11:53
8M60453.	AC56022-001		RR-5q MBS3769	DB	VO10-8260	Methano	1	1	8260	12/01 12:27
8M60454.	AC56022-002		RR-5q	DB	VO10-8260	Methano	1	1	8260	12/01 12:43
8M60455.	AC56022-003		RR-5q	DB	VO10-8260	Methano	1	1	8260	12/01 13:01
8M60456.	AC56022-004		RR-5q	DB	VO10-8260	Methano	1	1	8260	12/01 13:17
8M60457.	BLK		-	DB		Aqueous	1	1	624 8260	12/01 13:35
8M60458.	AC55995-003		OK	DB	VO10-624	Aqueous	1	1	624	12/01 13:51
8M60459.	AC55965-004		OK	DB	VO-8260	Aqueous	1	1	8260	12/01 14:08
8M60460.	AC55965-015		OK	DB	VO-8260	Aqueous	1	1	8260	12/01 14:24
8M60461.	AC55987-003(5X)	S6AoRo	RR-5X - power outage	DB	VO10-624	Aqueous	1	5	624	12/01 14:44
8M60462.	AC55965-012(10X)		OK	DB	VO-8260	Aqueous	1	10	8260	12/01 15:05
8M60463.	AC55987-006(10X)		OK	DB	VO10-624	Aqueous	1	10	624	12/01 15:25
8M60464.	AC55987-002(10X)		OK	DB	VO10-624	Aqueous	1	10	624	12/01 15:47
8M60465.	AC55987-001(20X)		OK	DB	VO10-624	Aqueous	1	20	624	12/01 16:08
8M60466.	AC55987-008(20X)		OK	DB	VO10-624	Aqueous	1	20	624	12/01 16:29
8M60467.	AC55942-004(40uL)		OK	DB	VO10-8260	Methano	1	20	8260	12/01 16:46
8M60468.	AC55950-001(MS)		OK MBS3754	DB	VO-8260	Methano	1	1	8260	12/01 17:02
8M60469.	AC55950-001(MSD)		OK MBS3754	DB	VO-8260	Methano	1	1	8260	12/01 17:19
8M60470.	BLK		-	DB		Aqueous	1	1	624 8260	12/01 17:35
8M60471.	AC56019-023		OK	DB	VO10-8260	Aqueous	1	1	8260	12/01 17:52
8M60472.	AC56014-002		OK	DB	VO10-624	Aqueous	1	1	624	12/01 18:08
8M60473.	AC56010-003(MS)		OK MBS3756	DB	VO10-624	Aqueous	1	1	624 8260	12/01 18:25
8M60474.	AC56010-003(MSD)		OK MBS3756	DB	VO10-624	Aqueous	1	1	624 8260	12/01 18:41
8M60475.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 18:58
8M60476.	BLK	Ti8	OK	DB		Aqueous	1	1	624 8260	12/01 19:14
8M60477.	MBS3763	Ti8	OK MBS3763	DB		Aqueous	1	1	624 8260	12/01 19:31
8M60478.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 19:47
8M60479.	AC55956-002		OK	DB	VO10-624	Aqueous	1	1	624	12/01 20:04
8M60480.	AC55956-003		OK	DB	VO10-624	Aqueous	1	1	624	12/01 20:20
8M60481.	AC55973-002		OK	DB	VO10-624	Aqueous	1	1	624	12/01 20:37
8M60482.	AC55976-002		OK	DB	VO10-624	Aqueous	1	1	624	12/01 20:53
8M60483.	AC55976-003		OK	DB	VO10-624	Aqueous	1	1	624	12/01 21:09
8M60484.	AC55978-002		OK	DB	VO-624	Aqueous	1	1	624	12/01 21:26
8M60485.	AC55978-003		OK	DB	VO-624	Aqueous	1	1	624	12/01 21:43
8M60486.	AC56012-005		OK	DB	VO10-624	Aqueous	1	1	624	12/01 21:59
8M60487.	AC56012-006		OK	DB	VO10-624	Aqueous	1	1	624	12/01 22:16
8M60488.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/01 22:32
8M60489.	AC55959-001		OK	DB	VO10-624	Aqueous	1	1	624	12/01 22:49
8M60490.	AC55956-001		OK	DB	VO10-624	Aqueous	1	1	624	12/01 23:06
8M60491.	BLK	Ti8	OK	DB		Aqueous	1	1	624 8260	12/01 23:22
8M60492.	AC55960-001(10X)		OK	DB	VO10-624	Aqueous	1	10	624	12/01 23:42
8M60493.	AC55960-002(10X)		OK	DB	VO10-624	Aqueous	1	10	624	12/02 00:04
8M60494.	AC55960-003(10X)		RR-1X	DB	VO10-624	Aqueous	1	10	624	12/02 00:26
8M60495.	MBS3764	Ti8	- MBS3764	DB		Aqueous	1	1	624 8260	12/02 00:45
8M60496.	AC55978-001		OK	DB	VO-624	Aqueous	1	1	624	12/02 01:04
8M60497.	AC56020-001		OK	DB	VO-624	Aqueous	1	1	624	12/02 01:20
8M60498.	AC56008-003		OK	DB	VOBTEX-624	Aqueous	1	1	624	12/02 01:37
8M60499.	AC56008-002		OK	DB	VOBTEX-624	Aqueous	1	1	624	12/02 01:53
8M60500.	AC56008-001		OK	DB	VOBTEX-624	Aqueous	1	1	624	12/02 02:10

Anc	Area Not Checked
An	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emo	Problem Checking Prep/rundates modcheckprepround
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Trip/Solvent Extraction Date Missing/Not check'd
Eto	Trip Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16 I26	Initial cal 600 series failed Column 1 and or 2
I18 I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calmst.csv for init calibration chek rfs
Iw	Initial cal warning. Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a samp
M16 M26	Spike Out Col 1 and or Col 2 600 series
M16a M16b	Spike Out Col 1 600 series Acid and or BN
M18 M28	Spike Out Col 1 and or Col 2 8000 series
M18a M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibratio
Co	Warning Possible Carry Over
CRN	Warning c30/c20... not checked
Cro	C30/C20 failed for eoh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or endrin
R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

1-1-8M60501

RUN LOG

Instrument: GCMS_8 Year: 20 01 93
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M60501.	AC56012-001		OK	DB	VO10-624	Aqueous	1	1	624	12/02 02:26
8M60502.	AC56012-003		OK	DB	VO10-624	Aqueous	1	1	624	12/02 02:42
8M60503.	MBS3765	Ti8	OK MBS3765	DB		Aqueous	1	1	624 8260	12/02 02:59
8M60504.	AC55986-003(MS)	Ti8	OK MBS3765	DB	VO-624	Aqueous	1	1	624 8260	12/02 03:18
8M60505.	AC55986-003(MSD)	Ti8	OK MBS3765	DB	VO-624	Aqueous	1	1	624 8260	12/02 03:34
8M60506.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 03:51
8M60507.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 04:07
8M60508.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 04:24
8M60509.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 04:40
8M60510.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 04:57
8M60511.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 05:13
8M60512.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 05:30
8M60513.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/02 05:46

Anc	Area Not Checked
An	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/rundates modcheckprepunda
En	Eval Time Not Checked

Ep	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tcln/Solvent Extraction Date Missing/Not check'd
Eto	Tcln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16 I26	Initial cal 600 series failed Column 1 and or 2
I18 I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for init calibration chek rfs
Iw	Initial cal warning. Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a samol
M16 M26	Spike Out Col 1 and or Col 2 600 series
M16a M16b	Spike Out Col 1 600 series Acid and or BN
M18 M28	Spike Out Col 1 and or Col 2 8000 series
M18a M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration

Co	Warning Possible Carry Over
CRN	Warning c30/c20 not checked
Cro	C30/C20 failed for enh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddl or enddo
R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-8M60756

Instrument: GCMS_8 Year: 20**0194**
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M60756.	BFB TUNE		V-95606,V-95161,V-103593	DB						12/08 09:49
8M60758.	BLKJUG2	IsCnAnc	-	DB		Aqueous	1	1	624 8260	12/08 10:16
8M60759.	CAL @ 1 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 10:36
8M60760.	CAL @ 0.5 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 10:55
8M60761.	CAL @ 5 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 11:16
8M60762.	CAL @ 500 PPB	Oc	B-9275	DB		Aqueous	1	1	624 8260	12/08 11:32
8M60763.	CAL @ 250 PPB	Oc	B-9275	DB		Aqueous	1	1	624 8260	12/08 11:48
8M60764.	CAL @ 100 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 12:04
8M60765.	CAL @ 50 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 12:20
8M60766.	CAL @ 20 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 12:36
8M60767.	CAL @ 10 PPB		B-9275	DB		Aqueous	1	1	624 8260	12/08 12:52
8M60768.	BLKJUG2		-	DB		Aqueous	1	1	624 8260	12/08 13:09
8M60769.	20 PPB		-	DB		Aqueous	1	1	624 8260	12/08 13:25
8M60770.	ICV	Ivo	V-103615	DB		Aqueous	1	1	624 8260	12/08 13:50
8M60771.	BLK		-	DB		Aqueous	1	1	624 8260	12/08 14:11
8M60772.	BLK		-	DB		Methano	1	1	8260	12/08 14:27
8M60773.	BLK		-	DB		Aqueous	1	1	624 8260	12/08 14:43
8M60774.	DAILY BLANK		OK	DB		Methano	1	1	8260	12/08 14:59
8M60775.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	12/08 15:16
8M60776.	AC56048-001		-	DB	VOTCLP-826	Methano	1	1	8260	12/08 15:32
8M60777.	MBS3848		OK MBS3848	DB		Methano	1	1	8260	12/08 15:48
8M60778.	MBS3849		OK MBS3849	DB		Aqueous	1	1	624 8260	12/08 16:04
8M60779.	AC56048-001(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	12/08 16:20
8M60780.	EF-1V-103278(120810)		OK	DB		Aqueous	1	1208	8260	12/08 16:36
8M60781.	AC56151-021		OK	DB	VO-8260	Aqueous	1	1	8260	12/08 16:52
8M60782.	AC56172-001		OK	DB	VOBTEX-826	Aqueous	1	1	8260	12/08 17:09
8M60783.	AC56172-002		OK	DB	VOBTEX-826	Aqueous	1	1	8260	12/08 17:25
8M60784.	AC56172-003		OK	DB	VOBTEX-826	Aqueous	1	1	8260	12/08 17:41
8M60785.	AC56142-001		OK	DB	VO-8260	Aqueous	1	1	8260	12/08 17:57
8M60786.	AC56142-002		OK	DB	VO-8260	Aqueous	1	1	8260	12/08 18:13
8M60787.	BLK		-	DB		Aqueous	1	1	624 8260	12/08 18:29
8M60788.	AC56088-001		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 18:45
8M60789.	AC56088-003		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 19:01
8M60790.	AC56088-004		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 19:17
8M60791.	AC56088-006		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 19:33
8M60792.	AC56088-007		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 19:49
8M60793.	AC56088-011		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 20:05
8M60794.	AC56088-013		OK	DB	VO10-8260	Aqueous	1	1	8260	12/08 20:21
8M60795.	AC56088-010(10X)		OK	DB	VO10-8260	Aqueous	1	10	8260	12/08 20:40
8M60796.	AC56088-009(10X)	Oc	RR-50X	DB	VO10-8260	Aqueous	1	10	8260	12/08 21:00
8M60797.	AC56088-008(10X)		OK	DB	VO10-8260	Aqueous	1	10	8260	12/08 21:21
8M60798.	AC56088-002(20X)		OK	DB	VO10-8260	Aqueous	1	20	8260	12/08 21:41
8M60799.	AC56088-012(20X)	Ti8	RR-1X	DB	VO10-8260	Aqueous	1	20	8260	12/08 21:59
8M60800.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	12/08 22:15

Ann	Area Not Checked	Fo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R18 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have oassino cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have oassino cal	Iv	Prob with calcrit.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missing for sample (8000 series)	Iw	Initial cal warning .ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepnumd	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-8M61781

RUN LOG

Instrument: GCMS_8 Year: 2001 95
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M61781.	BFB TUNE		V-95606,V-104916,V-95161,V-103984	DB						12/30 05:38
8M61782.	BLK	CnAnc	-	DB		Aqueous	1	1	624 8260	12/30 05:49
8M61783.	20 PPB	CnAnc	-	DB		Aqueous	1	1	624 8260	12/30 06:05
8M61784.	CAL@ 20 PPB		OK	DB		Aqueous	1	1	624 8260	12/30 06:35
8M61785.	BLK		-	DB		Aqueous	1	1	624 8260	12/30 06:58
8M61786.	DAILY BLANK		OK	DB		Methano	1	1	8260	12/30 07:14
8M61787.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	12/30 07:30
8M61788.	MBS5376		OK MBS5376	DB		Aqueous	1	1	624 8260	12/30 08:01
8M61789.	MBS5377		OK MBS5377	DB		Methano	1	1	8260	12/30 08:17
8M61790.	AC56546-005		OK	DB	VO10-8260	Aqueous	1	1	8260	12/30 08:37
8M61791.	56438-001	S8	-	DB		Methano	1	1.417	8260	12/30 08:53
8M61792.	AC56438-001		OK	DB	VO10-8260	Methano	1	1	8260	12/30 09:11
8M61793.	AC56495-002(80uL)		OK	DB	VO-8260	Methano	1	10	8260	12/30 09:29
8M61794.	AC56495-001(80uL)		OK	DB	VO-8260	Methano	1	10	8260	12/30 09:45
8M61795.	AC56524-005(400uL)		OK	DB	VO10-8260	Methano	1	2	8260	12/30 10:01
8M61796.	AC56524-008(400uL)		OK	DB	VO10-8260	Methano	1	2	8260	12/30 10:17
8M61797.	AC56464-001(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	12/30 10:33
8M61798.	AC56464-002(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	12/30 10:49
8M61799.	AC56464-003(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	12/30 11:05
8M61800.	EF-1-V-104503(122910		OK	DB		Aqueous	1	1229	8260	12/30 11:21
8M61801.	AC56517-009		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 11:37
8M61802.	AC56517-011		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 11:53
8M61803.	AC56517-020		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 12:09
8M61804.	AC56517-021		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 12:27
8M61805.	AC56517-049(5X)		OK	DB	VOSTARS-82	Aqueous	1	5	8260	12/30 12:46
8M61806.	AC56517-023(5X)		OK	DB	VOSTARS-82	Aqueous	1	5	8260	12/30 13:13
8M61807.	AC56517-024(5X)		OK	DB	VOSTARS-82	Aqueous	1	5	8260	12/30 13:32
8M61808.	AC56498-002		OK	DB	VO10-624	Aqueous	1	1	624	12/30 13:49
8M61809.	AC56517-045		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 14:05
8M61810.	AC56517-037		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 14:21
8M61811.	AC56517-038		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 14:37
8M61812.	AC56517-039		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 14:53
8M61813.	AC56517-040		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 15:09
8M61814.	AC56517-028		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 15:25
8M61815.	AC56517-032		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 15:46
8M61816.	AC56517-029		OK MBS5376	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 16:02
8M61817.	AC56517-030(MS:AC5		OK MBS5376	DB	VOSTARS-82	Aqueous	1	1	624 8260	12/30 16:18
8M61818.	AC56517-031(MSD:AC		OK MBS5376	DB	VOSTARS-82	Aqueous	1	1	624 8260	12/30 16:35
8M61819.	AC56570-001(80uL)		RR-800uL - DIRTY	DB	VO-8260	Methano	1	10	8260	12/30 16:51
8M61820.	AC56570-002(80uL)				VO-8260	Methano	1	10	8260	12/30 17:07
8M61821.	MBS5387		MBS5387			Aqueous	1	1	624 8260	12/30 17:23
8M61822.	AC56464-001(T:MS)	Ti8	MBS5387		VOTCLP-826	Aqueous	1	1	624 8260	12/30 17:39
8M61823.	AC56464-001(T:MSD)	Ti8	MBS5387		VOTCLP-826	Aqueous	1	1	624 8260	12/30 17:55
8M61824.	AC56529-005(MS)	Ti8	MBS5387		VO-8260	Methano	1	1	8260	12/30 18:11
8M61825.	AC56529-005(MSD)	Ti8			VO-8260	Methano	1	1	8260	12/30 18:27
8M61826.	BLK	Ti8				Aqueous	1	1	624 8260	12/30 18:43
8M61827.	BLK	Ti8				Aqueous	1	1	624 8260	12/30 18:59
8M61828.	MBS5388	Ti8	MBS5388			Aqueous	1	1	624 8260	12/30 19:15
8M61829.	BLK	Ti8				Aqueous	1	1	624 8260	12/30 19:31
8M61830.	AC56499-009				VO10-624	Aqueous	1	1	624	12/30 19:48
8M61831.	AC56499-010				VO10-624	Aqueous	1	1	624	12/30 20:04
8M61832.	AC56500-002				VO10-624	Aqueous	1	1	624	12/30 20:21
8M61833.	AC56499-001				VO10-624	Aqueous	1	1	624	12/30 20:37
8M61834.	AC56499-003				VO10-624	Aqueous	1	1	624	12/30 20:53
8M61835.	AC56499-005				VO10-624	Aqueous	1	1	624	12/30 21:09
8M61836.	AC56499-007				VO10-624	Aqueous	1	1	624	12/30 21:25
8M61837.	AC56499-006				VO10-624	Aqueous	1	1	624	12/30 21:41
8M61838.	AC56499-008				VO10-624	Aqueous	1	1	624	12/30 21:58
8M61839.	AC56498-001				VO10-624	Aqueous	1	1	624	12/30 22:15
8M61840.	AC56499-004				VO10-624	Aqueous	1	1	624	12/30 22:31
8M61841.	AC56500-001(10X)				VO10-624	Aqueous	1	10	624	12/30 22:48
8M61842.	MBS5389	Ti8	MBS5389			Aqueous	1	1	624 8260	12/30 23:04
8M61843.	BLK	Ti8				Aqueous	1	1	624 8260	12/30 23:21
8M61844.	AC56503-004				VO10-624	Aqueous	1	1	624	12/30 23:37
8M61845.	AC56503-001				VO10-624	Aqueous	1	1	624	12/30 23:54
8M61846.	AC56503-003				VO10-624	Aqueous	1	1	624	12/31 00:10

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddl or endda
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rls	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning .ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckpreprounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-8M61847

RUN LOG

Instrument: GCMS_8 Year: 20196
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
8M61847	AC56503-002				VO10-624	Aqueous	1	1	624	12/31 00:27
8M61848	AC56510-001				VO10-624	Aqueous	1	1	624	12/31 00:44
8M61849	AC56554-001				VO10-624	Aqueous	1	1	624	12/31 01:00
8M61850	AC56520-003(50X)				VO10-624	Aqueous	1	50	624	12/31 01:20
8M61851	AC56556-001(50X)				VO15-624	Aqueous	1	50	624	12/31 01:42
8M61852	MBS5390	Ti8	MBS5390			Aqueous	1	1	624 8260	12/31 02:01
8M61853	AC56499-002(MS)	Ti8	MBS5390		VO10-624	Aqueous	1	1	624 8260	12/31 02:17
8M61854	AC56499-002(MSD)	Ti8	MBS5390		VO10-624	Aqueous	1	1	624 8260	12/31 02:34
8M61855	BLK	Ti8				Aqueous	1	1	624 8260	12/31 02:50
8M61856	BLK	Ti8				Aqueous	1	1	624 8260	12/31 03:07
8M61857	BLK	Ti8				Aqueous	1	1	624 8260	12/31 03:23
8M61858	BLK	Ti8				Aqueous	1	1	624 8260	12/31 03:40
8M61859	BLK	Ti8				Aqueous	1	1	624 8260	12/31 03:56
8M61860	BLK	Ti8				Aqueous	1	1	624 8260	12/31 04:13

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eph
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or enddn
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepruncls	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-80241

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA ADD MIX | BatchNumber: | ApproveDate: 01/26/10
Prep Date: 1/25/2010 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 12/31/2010 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-80242

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA ADD MIX(2nd Source) | BatchNumber: | ApproveDate: 01/26/10
Prep Date: 1/25/2010 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 12/31/2010 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-82356

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA STOCK INT/SURR MIX | BatchNumber: | ApproveDate: 03/09/10
Prep Date: 3/9/2010 | Concentration: 1500 ppm | Checked: Yes
Expiration Date: 3/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
4372	Methanol	100 ml	neat	
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm
3661	Fluorobenzene	150 mg	NEAT	1500 ppm

Veritech Lot Number: V-85760

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: dan
Description: CYCLOHEXANONE | BatchNumber: | ApproveDate: 05/04/10
Prep Date: 5/3/2010 | Concentration: 10000 ppm | Checked: Yes
Expiration Date: 1/31/2011 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
1230	METHANOL	10 ml	NEAT	

Veritech Lot Number: V-85761

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: jean
Description: CYCLOHEXANONE(2nd Source) | BatchNumber: | ApproveDate: 09/23/10
Prep Date: 5/3/2010 | Concentration: 10000 ppm | Checked: Yes
Expiration Date: 1/31/2011 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
1230	METHANOL	10 ml	NEAT	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-88943

Prepared By: Revolus, Jean
Description: Voa extra add mix
Prep Date: 6/21/2010
Expiration Date: 6/21/2011
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5013	d-Camphor	200 mg	NEAT	20000 ppm
5014	Camphene	20 mg	NEAT	2000 ppm
4995	METHANOL	10 ml	neat neat	

Veritech Lot Number: V-93698

Prepared By: Revolus, Jean
Description: Voa Extra Add mix 2
Prep Date: 8/19/2010
Expiration Date: 8/19/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 09/24/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5101	Methyl methacrylate	25 mg	Neat	5000 ppm
5100	Ethyl Methacrylate	25 mg	Neat	5000 ppm
5099	Butyl methacrylate	25 mg	Neat	5000 ppm
5098	n-Butyl acrylate	25 mg	Neat	5000 ppm
5097	n-Amyl acetate	25 mg	Neat	5000 ppm
5096	Iso-propyl acetate	25 mg	Neat	5000 ppm
5095	Ethyl acetate	25 mg	Neat	5000 ppm
5185	METHANOL	5 ml	neat neat	

Veritech Lot Number: V-95161

Prepared By: Batelli, Daniel
Description: VOA WORKING INT/SURR MIX
Prep Date: 9/7/2010
Expiration Date: 3/7/2011
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 200 ml
ApprovedBy: DAN
ApproveDate: 09/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	225 ml	NEAT	
V-82356	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-95606

Prepared By: Previlon, Wilner
Description: BFB Tune Mix
Prep Date: 9/13/2010
Expiration Date: 3/7/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 1.5 ml
ApprovedBy: DAN
ApproveDate: 09/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-95161	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101178

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 11/9/2010
Expiration Date: 11/20/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 12/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	220 ul	NEAT	neat
4961	GASES	100 ul	2000 ppm	200 ppm
4277	502/524 VOA MEGA MIX	100 ul	2000 ppm	200 ppm
5109	8260 ADD MIX	100 ul	2000 ppm	200 ppm
4968	CUSTOM VOC MIX	100 ul	VARIOUS pp	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-85760	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-101179

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 11/9/2010
Expiration Date: 12/3/2010
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	610 ul	NEAT	neat neat
5050	502.2 CAL. MIX #1	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5090	8260 ADD CAL MIX 2	50 ul	2000 ppm	100 ppm
4969	CUSTOM VOC MIC(2nd SOURCES)	50 ul	VARIOUS pp	various ppm
4730	tert-Amyl Methyl Ether	50 ul	2000 ppm	100 ppm
v-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
v-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93698	Voa Extra Add mix 2	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-101180

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-101181

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101182

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-101183

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-101184

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-101185

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Lot Number: V-101186

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101187

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Lot Number: V-101188

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber: B-9067
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101178	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-101189

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 11/9/2010
Expiration Date: 11/16/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 11/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-101179	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-102121

Prepared By: Goring, Shawn
Description: MBS
Prep Date: 11/18/2010
Expiration Date: 12/3/2010
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 11/18/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	630 ul	NEAT	neat neat
5327	Gases(VOC Mix 6)	50 ul	2000 ppm	100 ppm
4892	502/524 VOA Cal Mix	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
4969	CUSTOM VOC MIC(2nd SOURCES)	50 ul	VARIOUS pp	various ppm
5288	TAMES	50 ul	2000 ppm	100 ppm
v-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
v-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102135

Prepared By: Goring, Shawn
Description: 200ppm VOA Working Std
Prep Date: 11/18/2010
Expiration Date: 12/3/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 11/18/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	260 ul	NEAT	neat
5285	Gases/502.2 Cal mix#1	100 ul	2000 ppm	200 ppm
5094	502/524 Voa Cal Mix	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
4968	CUSTOM VOC MIX	100 ul	VARIOUS pp	various ppm
5123	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-85760	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp

Veritech Lot Number: V-102738

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 11/30/2010
Expiration Date: 12/3/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102135	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-102871

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 12/1/2010
Expiration Date: 12/3/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102135	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-103592

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 12/8/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	260 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
4892	502/524 VOA Cal Mix	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5449	CUSTOM VOC STD MIX	100 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-85760	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103593

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 12/9/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	630 ul	NEAT	neat neat
5327	Gases(VOC Mix 6)	50 ul	2000 ppm	100 ppm
5094	502/524 Voa Cal Mix	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	50 ul	2000 ppm	various ppm
5288	TAMES	50 ul	2000 ppm	100 ppm
v-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
v-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp

Veritech Lot Number: V-103606

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-103607

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-103608

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103609

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-103610

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-103611

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Lot Number: V-103612

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-103613

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103614

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber: B-9275
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5414	CHLORODIFLUOROMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-103615

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 12/8/2010
Expiration Date: 12/15/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103593	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5414	CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-103984

Prepared By: Batelli, Daniel
Description: MBS
Prep Date: 12/14/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/15/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	630 ul	NEAT	neat neat
5327	Gases(VOC Mix 6)	50 ul	2000 ppm	100 ppm
5094	502/524 Voa Cal Mix	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	50 ul	2000 ppm	various ppm
5288	TAMES	50 ul	2000 ppm	100 ppm
v-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
v-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp

Veritech Lot Number: V-104916

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 12/30/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777

Description
1-bromo-4-fluorobenzene

ApprovedBy: jean
ApproveDate: 09/03/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295

Description
CHLOROBENZENE-D5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297

Description
TOLUENE-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2726

Description
CYCLOHEXANONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2326	352-153B	09/04/07	01/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2880

Description
p-ETHYLTOLUENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2413	376-30A	11/19/07	01/31/12	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2881

Description
p-DIETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2296	371-140A	11/19/07	12/31/10	Revolus, Jean	3	100m	NEAT	

Veritech Control/Receipt Number: 2889

Description
1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 3178

Description
1,2-Dichloroethane-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3661

Description
Fluorobenzene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 3693

Description
Dibromofluoromethane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT	

Veritech Control/Receipt Number: 4277

Description
502/524 VOA MEGA MIX

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30431	A065882	07/29/09	02/28/14	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4372

Description
Methanol

ApprovedBy: jean
ApproveDate: 09/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G49E42	09/01/09	08/31/11	Okomeng, Maxwel	36	1Lt	neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4730

Description
tert-Amyl Methyl Ether

ApprovedBy: jean
ApproveDate: 03/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	30629	A056353	03/08/10	11/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4892

Description
502/524 VOA Cal Mix

ApprovedBy: DAN
ApproveDate: 04/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-02111	LB69824	04/23/10	09/30/11	Batelli, Daniel	2	1mL	2000	ppm

Veritech Control/Receipt Number: 4961

Description
GASES

ApprovedBy: jean
ApproveDate: 06/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	210041396	06/02/10	05/05/13	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 4968

Description
CUSTOM VOC MIX

ApprovedBy: DAN
ApproveDate: 08/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210061001	06/04/10	12/03/10	Revolus, Jean	5	1ml	VARIOU	PPM

Veritech Control/Receipt Number: 4969

Description
CUSTOM VOC MIC(2nd SOURCES)

ApprovedBy: DAN
ApproveDate: 08/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210051292	06/04/10	12/03/10	Revolus, Jean	5	1ML	VARIOU	PPM

Veritech Control/Receipt Number: 4995

Description
METHANOL

ApprovedBy: richq
ApproveDate: 06/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A412SK-4	103255	06/11/10	06/11/12	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 5013

Description
d-Camphor

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2404	402-140B	06/21/10	06/30/14	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5014

Description
Camphene

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-747	419-138A	06/21/10	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5050

Description
502.2 CAL. MIX #1

ApprovedBy: jean
ApproveDate: 07/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30042	A074633	07/09/10	01/31/17	Hamid, Akmal	3	1ML	2000	PPM

Veritech Control/Receipt Number: 5090

Description
8260 ADD CAL MIX 2

ApprovedBy: jean
ApproveDate: 07/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB73020	07/23/10	11/30/12	Revolus, Jean	1	1ml	2000	PPM

Veritech Control/Receipt Number: 5092

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 07/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	5-02111	LB72437	07/23/10	12/31/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5094

Description
502/524 Voa Cal Mix

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	LVOC-1JM	450-46A	07/26/10	06/30/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5095

Description
Ethyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-412	433-138B	07/26/10	03/31/15	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 5096

Description
Iso-propyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2536	428-14A	07/26/10	07/31/14	Revolus, Jean	1	5g	Neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5097

Description
n-Amyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	o-2003	414-70B	07/26/10	11/30/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5098

Description
n-Butyl acrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-1004	409-80A	07/26/10	09/30/14	Revolus, Jean	1	10g	Neat	

Veritech Control/Receipt Number: 5099

Description
Butyl methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-1005	419-155B	07/26/10	03/31/13	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 5100

Description
Ethyl Methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F984	433-132A	07/26/10	02/28/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5101

Description
Methyl methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F982	422-28B	07/26/10	04/30/15	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5109

Description
8260 ADD MIX

ApprovedBy: jean
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210051178-01	07/27/10	11/20/10	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5123

Description
tert-Amyl Methyl Ether Standard

ApprovedBy: jean
ApproveDate: 08/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A075900	08/02/10	07/31/15	Revolus, Jean	2	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5185

Description
METHANOL

ApprovedBy: jean
ApproveDate: 08/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9077-02	H45E36	08/13/10	08/13/12	Okomeng, Maxwel	60	2.5LT	neat	neat

Veritech Control/Receipt Number: 5278

Description
CHLORODIFLUOMETHANE

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	210041336	09/22/10	04/21/20	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 5281

Description
GASES(PURGEABLE HALOCARBONS)

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	209091042	09/22/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5285

Description
Gases/502.2 Cal mix#1

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	30042	A075674	09/27/10	03/31/17	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 5288

Description
TAMES

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-06737	LB64951	09/29/10	02/28/12	Hamid, Akmal	2	1	2000	ppm

Veritech Control/Receipt Number: 5327

Description
Gases(VOC Mix 6)

ApprovedBy: DAN
ApproveDate: 11/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48799-U	LB76065	10/08/10	08/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 5381

Description
P&T Water

ApprovedBy: DAN
ApproveDate: 10/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Veritech	N/A	N/A	10/01/10	10/01/15	Batelli, Daniel	1	N/A	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5409

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB73020	11/09/10	11/30/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5413

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5414

Description
CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	210041336	11/09/10	04/21/20	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 5449

Description
CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description
CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

GC/MS Semi-Volatile Data

GC/MS Semi-Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
9M31322.D	SMB4129	Soil	12/28/10 13:40	1		108	110	109	123	126	134
9M31340.D	AC56495-001(	Soil	12/29/10 11:48	50	SD	0*	0*	0*	0*	0*	0*
9M31341.D	AC56495-002(	Soil	12/29/10 12:11	50	SD	0*	0*	0*	0*	0*	0*
9M31337.D	SMB4129(MS)	Soil	12/29/10 10:37	1		95	93	105	111	119	126
9M31345.D	AC56495-001(	Soil	12/29/10 13:43	50	SD	0*	0*	0*	0*	0*	0*
9M31346.D	AC56495-001(	Soil	12/29/10 14:06	50	SD	0*	0*	0*	0*	0*	0*

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	35-118
S2=Phenol-d5	100	36-121
S3=Nitrobenzene-d5	50	34-128
S4=2-Fluorobiphenyl	50	42-125
S5=2,4,6-Tribromophenol	100	27-155
S6=Terphenyl-d14	50	40-158

Form3
Recovery Data
QC Batch: SMB4129

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31337.D	SMB4129(MS)	12/29/2010 10:37:00 A
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Soil | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	74.58	0	100	75	35	130
2-Chlorophenol	1	78.49	0	100	78	43	131
1,4-Dichlorobenzene	1	44.13	0	50	88	26	128
2-Methylphenol	1	76.36	0	100	76	40	137
N-Nitroso-di-n-propylamine	1	36.9	0	50	74	23	147
2,4-Dimethylphenol	1	82.92	0	100	83	47	135
1,2,4-Trichlorobenzene	1	40.73	0	50	81	40	129
Naphthalene	1	39.99	0	50	80	44	132
4-Chloro-3-methylphenol	1	80.52	0	100	81	45	142
Acenaphthene	1	46.13	0	50	92	47	137
2,4-Dinitrotoluene	1	41.76	0	50	84	30	139
4-Nitrophenol	1	89.12	0	100	89	35	146
Fluorene	1	41.61	0	50	83	42	135
Pentachlorophenol	1	69.81	0	100	70	38	132
Pyrene	1	48.45	0	50	97	45	167
Butylbenzylphthalate	1	50.6	0	50	101	45	157

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: SMB4129

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31345.D	AC56495-001(50X)(MS)	12/29/2010 1:43:00 PM
Non Spike(If applicable):	9M31340.D	AC56495-001(50X)	12/29/2010 11:48:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	0	0	100	0*	35	130
2-Chlorophenol	1	0	0	100	0*	43	131
1,4-Dichlorobenzene	1	0	0	50	0*	26	128
2-Methylphenol	1	75	0	100	75	40	137
N-Nitroso-di-n-propylamine	1	0	0	50	0*	23	147
2,4-Dimethylphenol	1	83	0	100	83	47	135
1,2,4-Trichlorobenzene	1	0	0	50	0*	40	129
Naphthalene	1	6119.5	6580	50	-920*	44	132
4-Chloro-3-methylphenol	1	0	0	100	0*	45	142
Acenaphthene	1	1826	1981.5	50	-310*	47	137
2,4-Dinitrotoluene	1	0	0	50	0*	30	139
4-Nitrophenol	1	0	0	100	0*	35	146
Fluorene	1	975	1051	50	-150*	42	135
Pentachlorophenol	1	0	0	100	0*	38	132
Pyrene	1	1344.5	1411.5	50	-130*	45	167
Butylbenzylphthalate	1	0	0	50	0*	45	157

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31346.D	AC56495-001(50X)(MSD)	12/29/2010 2:06:00 PM
Non Spike(If applicable):	9M31340.D	AC56495-001(50X)	12/29/2010 11:48:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	0	0	100	0*	35	130
2-Chlorophenol	1	0	0	100	0*	43	131
1,4-Dichlorobenzene	1	0	0	50	0*	26	128
2-Methylphenol	1	90.5	0	100	90	40	137
N-Nitroso-di-n-propylamine	1	0	0	50	0*	23	147
2,4-Dimethylphenol	1	101	0	100	101	47	135
1,2,4-Trichlorobenzene	1	0	0	50	0*	40	129
Naphthalene	1	7116	6580	50	1070*	44	132
4-Chloro-3-methylphenol	1	102	0	100	102	45	142
Acenaphthene	1	2174.5	1981.5	50	386*	47	137
2,4-Dinitrotoluene	1	0	0	50	0*	30	139
4-Nitrophenol	1	0	0	100	0*	35	146
Fluorene	1	1181	1051	50	260*	42	135
Pentachlorophenol	1	0	0	100	0*	38	132
Pyrene	1	1584	1411.5	50	345*	45	167
Butylbenzylphthalate	1	0	0	50	0*	45	157

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: SMB4129

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31346.D	AC56495-001(50X)(MSD)	12/29/2010 2:06:00 PM
Duplicate(If applicable):	9M31345.D	AC56495-001(50X)(MS)	12/29/2010 1:43:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	0	0	NA	31
2-Chlorophenol	1	0	0	NA	32
1,4-Dichlorobenzene	1	0	0	NA	41
2-Methylphenol	1	90.5	75	19	32
N-Nitroso-di-n-propylamine	1	0	0	NA	39
2,4-Dimethylphenol	1	101	83	20	32
1,2,4-Trichlorobenzene	1	0	0	NA	39
Naphthalene	1	7116	6119.5	15	41
4-Chloro-3-methylphenol	1	102	0	200*	32
Acenaphthene	1	2174.5	1826	17	58
2,4-Dinitrotoluene	1	0	0	NA	47
4-Nitrophenol	1	0	0	NA	36
Fluorene	1	1181	975	19	43
Pentachlorophenol	1	0	0	NA	37
Pyrene	1	1584	1344.5	16	53
Butylbenzylphthalate	1	0	0	NA	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: SMB4129
Blank Data File: 9M31322.D
Matrix: Soil

Blank Analysis Date: 12/28/10 13:40
Blank Extraction Date: 12/28/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC56495-001(50X)	9M31340.D	12/29/10 11:48
AC56495-002(50X)	9M31341.D	12/29/10 12:11
AC56495-001(50X)	9M31346.D	12/29/10 14:06
AC56495-001(50X)	9M31345.D	12/29/10 13:43
SMB4129(MS)	9M31337.D	12/29/10 10:37

Form 5

Tune Name: CAL DFTPP **Data File:** 9M30990.D
Instrument: GCMS 9 **Analysis Date:** 12/13/10 08:26
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.539 to 9.539 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.0	7374	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.8	7337	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.6	9748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20472	PASS
199	198	5	9	7.5	1539	PASS
275	198	10	30	24.3	4968	PASS
365	198	1	100	2.8	570	PASS
441	443	0.01	100	64.4	2568	PASS
442	198	40	100	92.9	19016	PASS
443	442	17	23	21.0	3989	PASS

Data File	Sample Number	Analysis Date:
9M30991.D	BNA@50PPM	12/13/10 10:07
9M30992.D	CAL BNA@196PP	12/13/10 10:35
9M30993.D	CAL BNA@160PP	12/13/10 10:58
9M30994.D	CAL BNA@120PP	12/13/10 11:21
9M30995.D	CAL BNA@80PPM	12/13/10 11:44
9M30996.D	CAL BNA@50PPM	12/13/10 12:08
9M30997.D	CAL BNA@20PPM	12/13/10 12:31
9M30998.D	CAL BNA@10PPM	12/13/10 12:54
9M30999.D	CAL BNA@0.5PP	12/13/10 13:17
9M31000.D	CAL BNA@2PPM	12/13/10 13:40
9M31001.D	CAL BNA@50PPM	12/13/10 14:43
9M31002.D	CAL BNA@120PP	12/13/10 15:08
9M31003.D	ICV BNA@50PPM	12/13/10 15:34
9M31004.D	SMB2779	12/13/10 16:10

Form 5

Tune Name: CAL DFTPP **Data File:** 9M31320.D
Instrument: GCMS 9 **Analysis Date:** 12/28/10 12:11
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.382 to 9.388 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.5	25300	PASS
68	69	0.00	2	1.6	468	PASS
69	198	0.00	100	50.1	29834	PASS
70	69	0.00	2	1.1	328	PASS
127	198	40	60	57.5	34276	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59564	PASS
199	198	5	9	5.9	3511	PASS
275	198	10	30	20.9	12432	PASS
365	198	1	100	2.0	1188	PASS
441	443	0.01	100	97.2	6051	PASS
442	198	40	100	60.3	35944	PASS
443	442	17	23	17.3	6227	PASS

Data File	Sample Number	Analysis Date:
9M31321.D	CAL BNA@50PPM	12/28/10 12:43
9M31322.D	SMB4129	12/28/10 13:40
9M31323.D	AC56450-003(R)	12/28/10 14:03
9M31324.D	AC56529-004	12/28/10 14:25
9M31325.D	AC56529-002	12/28/10 14:48
9M31326.D	AC56529-003	12/28/10 15:11
9M31327.D	AC56529-002(3X)	12/28/10 15:34
9M31328.D	AC56445-006(T)	12/28/10 16:03
9M31329.D	AC56445-007(T)	12/28/10 16:26
9M31330.D	AC56445-008(T)	12/28/10 16:49
9M31331.D	AC56445-006(T)	12/28/10 17:12
9M31332.D	AC56398-001(T)	12/28/10 17:35
9M31333.D	EF-SPLP V-103949	12/28/10 17:58
9M31334.D	WMB4130	12/28/10 18:21

Form 5

Tune Name: CAL DFTPP **Data File:** 9M31335.D
Instrument: GCMS 9 **Analysis Date:** 12/29/10 09:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.366 to 9.377 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.9	14384	PASS
68	69	0.00	2	0.5	90	PASS
69	198	0.00	100	50.1	17620	PASS
70	69	0.00	2	1.4	241	PASS
127	198	40	60	58.8	20672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35150	PASS
199	198	5	9	6.7	2347	PASS
275	198	10	30	23.3	8175	PASS
365	198	1	100	1.1	377	PASS
441	443	0.01	100	65.7	2830	PASS
442	198	40	100	63.4	22283	PASS
443	442	17	23	19.3	4308	PASS

Data File	Sample Number	Analysis Date:
9M31336.D	CAL BNA@50PPM	12/29/10 10:14
9M31337.D	SMB4129(MS)	12/29/10 10:37
9M31338.D	AC56495-001(3X)	12/29/10 11:02
9M31339.D	AC56381-002(R)	12/29/10 11:25
9M31340.D	AC56495-001(50X)	12/29/10 11:48
9M31341.D	AC56495-002(50X)	12/29/10 12:11
9M31342.D	AC56425-006	12/29/10 12:34
9M31343.D	AC56425-009	12/29/10 12:57
9M31344.D	AC56344-002(3X)	12/29/10 13:20
9M31345.D	AC56495-001(50X)	12/29/10 13:43
9M31346.D	AC56495-001(50X)	12/29/10 14:06
9M31347.D	AC56500-001(10X)	12/29/10 14:29
9M31348.D	AC56500-002	12/29/10 14:52
9M31349.D	WMB4133	12/29/10 15:16
9M31350.D	WMB4136	12/29/10 15:39
9M31351.D	AC56495-001(20X)	12/29/10 16:02
9M31352.D	AC56495-002(20X)	12/29/10 16:25
9M31353.D	AC56526-010	12/29/10 16:48
9M31354.D	AC56526-011(10X)	12/29/10 17:11
9M31355.D	AC56526-012	12/29/10 17:34
9M31356.D	AC56526-013	12/29/10 17:57
9M31357.D	AC56495-001(T)	12/29/10 18:20
9M31358.D	AC56495-002(T)	12/29/10 18:43
9M31359.D	TEST	12/29/10 19:06
9M31360.D	TEST	12/29/10 19:28
9M31361.D	TEST	12/29/10 19:51
9M31362.D	TEST	12/29/10 20:14

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M31001.D Method: EPA 8270C

Analysis Date/Time: 12/13/10 14:43

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	49144	5.42	190376	6.44	118341	7.81	206585	9.23	186095	12.26	155032	13.85
Eval File Area Limit:	24572-98288		95188-380752		59170-236682		103292-413170		93048-372190		77516-310064	
Eval File Rt Limit:	4.92-5.92		5.94-6.94		7.31-8.309999		8.73-9.73		11.76-12.76		13.35-14.35	

Data File	Sample											
9M30991.D	BNA@50PP	48545	5.42	185644	6.44	108444	7.81	184881	9.23	176822	12.25	149409	13.84
9M30992.D	CAL BNA@19	47964	5.42	189073	6.44	118235	7.82	202508	9.23	176423	12.26	140470	13.86
9M30993.D	CAL BNA@16	46093	5.42	179656	6.44	109217	7.81	191208	9.23	171088	12.26	138636	13.85
9M30995.D	CAL BNA@8C	52615	5.42	213738	6.44	119391	7.81	201190	9.23	169206	12.26	137863	13.85
9M30997.D	CAL BNA@2C	48053	5.42	195055	6.44	116219	7.81	200765	9.22	187422	12.25	159624	13.84
9M30998.D	CAL BNA@1C	49498	5.42	202007	6.43	122159	7.81	204620	9.22	191836	12.25	163733	13.84
9M30999.D	CAL BNA@0.	44764	5.42	182847	6.43	107184	7.81	185945	9.22	169823	12.25	153625	13.85
9M31000.D	CAL BNA@2F	46414	5.42	187462	6.43	116162	7.81	191632	9.22	183519	12.25	161703	13.85
9M31001.D	CAL BNA@5C	49144	5.42	190376	6.44	118341	7.81	206585	9.23	186095	12.26	155032	13.85
9M31002.D	CAL BNA@12	51309	5.42	191019	6.44	116379	7.81	194631	9.23	171955	12.26	142555	13.85
9M31003.D	ICV BNA@50	51794	5.42	204383	6.44	121846	7.81	202497	9.23	183516	12.25	154156	13.84
9M31004.D	SMB2779	52971	5.42	202446	6.44	120010	7.81	201603	9.23	162371	12.25	138223	13.85

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M31321.D Method: EPA 8270C

Analysis Date/Time: 12/28/10 12:43

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	47388	5.29	187960	6.32	108363	7.67	192974	9.07	186841	12.08	174510	13.67
Eval File Area Limit:	23694-94776		93980-375920		54182-216726		96487-385948		93420-373682		87255-349020	
Eval File Rt Limit:	4.79-5.79		5.82-6.82		7.17-8.17		8.57-9.57		11.58-12.58		13.17-14.17	

Data File	Sample											
9M31322.D	SMB4129	50882	5.29	198906	6.31	107831	7.67	182597	9.07	156901	12.08	137061	13.67
9M31323.D	AC56450-003(	58349	5.30	219887	6.32	129412	7.67	220132	9.07	167108	12.07	147057	13.67
9M31324.D	AC56529-004	50856	5.29	188172	6.31	107993	7.67	183939	9.07	144982	12.07	128010	13.67
9M31325.D	AC56529-002	53847	5.29	200419	6.31	112207	7.67	154693	9.08	144906	12.13	129071	13.69
9M31326.D	AC56529-003	74131	5.29	285648	6.32	171052	7.67	245476	9.07	209334	12.08	191862	13.68
9M31327.D	AC56529-002(	52902	5.29	208228	6.32	126608	7.67	184900	9.07	165729	12.10	144018	13.68
9M31328.D	AC56445-006(	56497	5.29	218462	6.32	127418	7.67	227406	9.07	174608	12.08	151403	13.68
9M31329.D	AC56445-007(	52171	5.29	201636	6.31	117911	7.67	210585	9.07	164325	12.08	138554	13.67
9M31330.D	AC56445-008(	50960	5.29	194616	6.31	116751	7.67	200148	9.07	167491	12.08	131564	13.67
9M31331.D	AC56445-006(	52635	5.29	214184	6.31	124857	7.67	217135	9.07	202210	12.08	152435	13.67
9M31332.D	AC56398-001(	53355	5.29	204744	6.31	122094	7.67	207954	9.07	195497	12.08	150748	13.67
9M31333.D	EF-SPLP V-1	53067	5.29	216755	6.31	122752	7.67	214166	9.07	200219	12.08	156709	13.67
9M31334.D	WMB4130	45434	5.29	174749	6.31	98037	7.67	174403	9.07	162410	12.07	139760	13.67

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M31336.D Method: EPA 8270C

Analysis Date/Time: 12/29/10 10:14

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	61510	5.28	238315	6.31	132946	7.66	230621	9.06	204499	12.06	181353	13.66
Eval File Area Limit:	30755-123020		119158-476630		66473-265892		115310-461242		102250-408998		90676-362706	
Eval File Rt Limit:	4.78-5.78		5.81-6.81		7.16-8.16		8.56-9.56		11.56-12.56		13.16-14.16	

Data File	Sample											
9M31337.D	SMB4129(MS.	90259	5.29	329277	6.31	169890	7.66	265779	9.06	197882	12.06	164155	13.66
9M31338.D	AC56495-001(	65514	5.28	232530	6.32	135562	7.67	201923	9.07	160118	12.08	144236	13.67
9M31339.D	AC56381-002(	71147	5.28	264922	6.30	143665	7.66	213423	9.06	153893	12.06	132797	13.66
9M31340.D	AC56495-001(	66214	5.28	259245	6.31	155638	7.66	238197	9.06	196000	12.06	157602	13.66
9M31341.D	AC56495-002(	68733	5.28	269003	6.31	157523	7.66	240321	9.06	200701	12.06	167300	13.66
9M31342.D	AC56425-006	74938	5.29	258096	6.31	136963	7.68	195960	9.08	162484	12.07	146086	13.66
9M31343.D	AC56425-009	77686	5.29	268297	6.31	139973	7.67	198686	9.07	155840	12.06	138551	13.66
9M31344.D	AC56344-002(	58550	5.28	227976	6.30	132714	7.66	222645	9.06	167101	12.06	146857	13.66
9M31345.D	AC56495-001(	66327	5.28	260618	6.31	156987	7.66	239902	9.06	196924	12.06	160741	13.66
9M31346.D	AC56495-001(	81634	5.28	341289	6.31	208905	7.66	326813	9.06	277664	12.06	229822	13.66
9M31349.D	WMB4133	57563	5.28	221306	6.30	125244	7.66	206117	9.06	170853	12.06	143715	13.65
9M31350.D	WMB4136	56786	5.28	218036	6.30	124694	7.66	207666	9.06	172250	12.06	147254	13.65
9M31351.D	AC56495-001(	68371	5.28	264153	6.30	155072	7.66	257472	9.06	213114	12.06	175023	13.65
9M31352.D	AC56495-002(	62956	5.28	250498	6.30	146395	7.66	237880	9.06	202797	12.06	171682	13.65
9M31357.D	AC56495-001(	48351	5.28	196124	6.30	111953	7.66	187882	9.06	161154	12.06	132558	13.65
9M31358.D	AC56495-002(	56642	5.28	228322	6.30	129427	7.66	219517	9.06	172580	12.06	140879	13.65
9M31359.D	TEST	55524	5.28	212708	6.31	120365	7.66	206072	9.06	187343	12.06	158311	13.66
9M31360.D	TEST	61857	5.28	245699	6.31	138834	7.66	237739	9.06	194056	12.06	168162	13.65
9M31361.D	TEST	59982	5.28	228091	6.31	136513	7.66	228438	9.06	187291	12.06	161765	13.65
9M31362.D	TEST	64882	5.28	241527	6.31	134131	7.66	234743	9.06	189796	12.06	163854	13.65

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-001(50X)
Client Id: PJ Baseline-1
Data File: 9M31340.D
Analysis Date: 12/29/10 11:48
Date Rec/Extracted: 12/22/10-12/28/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 50
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.38	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.44**	**4.1**
95-95-4	2,4,5-Trichlorophenol	0.64	U	65-85-0	Benzoic Acid	7.8	U
88-06-2	2,4,6-Trichlorophenol	1.1	U	111-91-1	bis(2-Chloroethoxy)methan	0.43	U
120-83-2	2,4-Dichlorophenol	1.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
105-67-9	2,4-Dimethylphenol	2.6	U	108-60-1	bis(2-chloroisopropyl)ether	5.9	U
51-28-5	2,4-Dinitrophenol	1.9	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U
121-14-2	2,4-Dinitrotoluene	0.77	U	85-68-7	Butylbenzylphthalate	1.1	U
606-20-2	2,6-Dinitrotoluene	0.80	U	**86-74-8**	**Carbazole**	**0.40**	**0.64 J**
91-58-7	2-Chloronaphthalene	0.45	U	**218-01-9**	**Chrysene**	**0.28**	**17**
95-57-8	2-Chlorophenol	0.76	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.39**	**2.0 J**
91-57-6	**2-Methylnaphthalene**	**1.2**	**190**	**132-64-9**	**Dibenzofuran**	**1.0**	**4.0**
95-48-7	2-Methylphenol	1.0	U	84-66-2	Diethylphthalate	0.60	U
88-74-4	2-Nitroaniline	0.79	U	131-11-3	Dimethylphthalate	0.44	U
88-75-5	2-Nitrophenol	0.68	U	84-74-2	Di-n-butylphthalate	0.79	U
106-44-5	3&4-Methylphenol	1.0	U	117-84-0	Di-n-octylphthalate	0.96	U
91-94-1	3,3'-Dichlorobenzidine	2.8	U	**206-44-0**	**Fluoranthene**	**0.34**	**31**
99-09-2	3-Nitroaniline	2.0	U	**86-73-7**	**Fluorene**	**0.58**	**40**
534-52-1	4,6-Dinitro-2-methylphenol	1.6	U	118-74-1	Hexachlorobenzene	0.47	U
101-55-3	4-Bromophenyl-phenylether	0.59	U	87-68-3	Hexachlorobutadiene	0.77	U
59-50-7	4-Chloro-3-methylphenol	1.1	U	77-47-4	Hexachlorocyclopentadiene	4.6	U
106-47-8	4-Chloroaniline	4.0	U	67-72-1	Hexachloroethane	0.57	U
7005-72-3	4-Chlorophenyl-phenylether	0.42	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.49**	**4.8**
100-01-6	4-Nitroaniline	1.1	U	78-59-1	Isophorone	0.52	U
100-02-7	4-Nitrophenol	1.4	U	**91-20-3**	**Naphthalene**	**0.47**	**250**
83-32-9	**Acenaphthene**	**0.46**	**75**	98-95-3	Nitrobenzene	0.60	U
208-96-8	**Acenaphthylene**	**0.48**	**13**	62-75-9	N-Nitrosodimethylamine	2.7	U
62-53-3	Aniline	3.3	U	621-64-7	N-Nitroso-di-n-propylamine	0.52	U
120-12-7	**Anthracene**	**0.40**	**35**	86-30-6	n-Nitrosodiphenylamine	0.42	U
92-87-5	Benzidine	6.2	U	87-86-5	Pentachlorophenol	1.6	U
56-55-3	**Benzo[a]anthracene**	**0.33**	**18**	**85-01-8**	**Phenanthrene**	**0.42**	**120**
50-32-8	**Benzo[a]pyrene**	**0.49**	**14**	108-95-2	Phenol	0.97	U
205-99-2	**Benzo[b]fluoranthene**	**0.43**	**11**	**129-00-0**	**Pyrene**	**0.33**	**53**
191-24-2	**Benzo[g,h,i]perylene**	**0.44**	**6.2**				

Worksheet #: 182508

Total Target Concentration 890

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

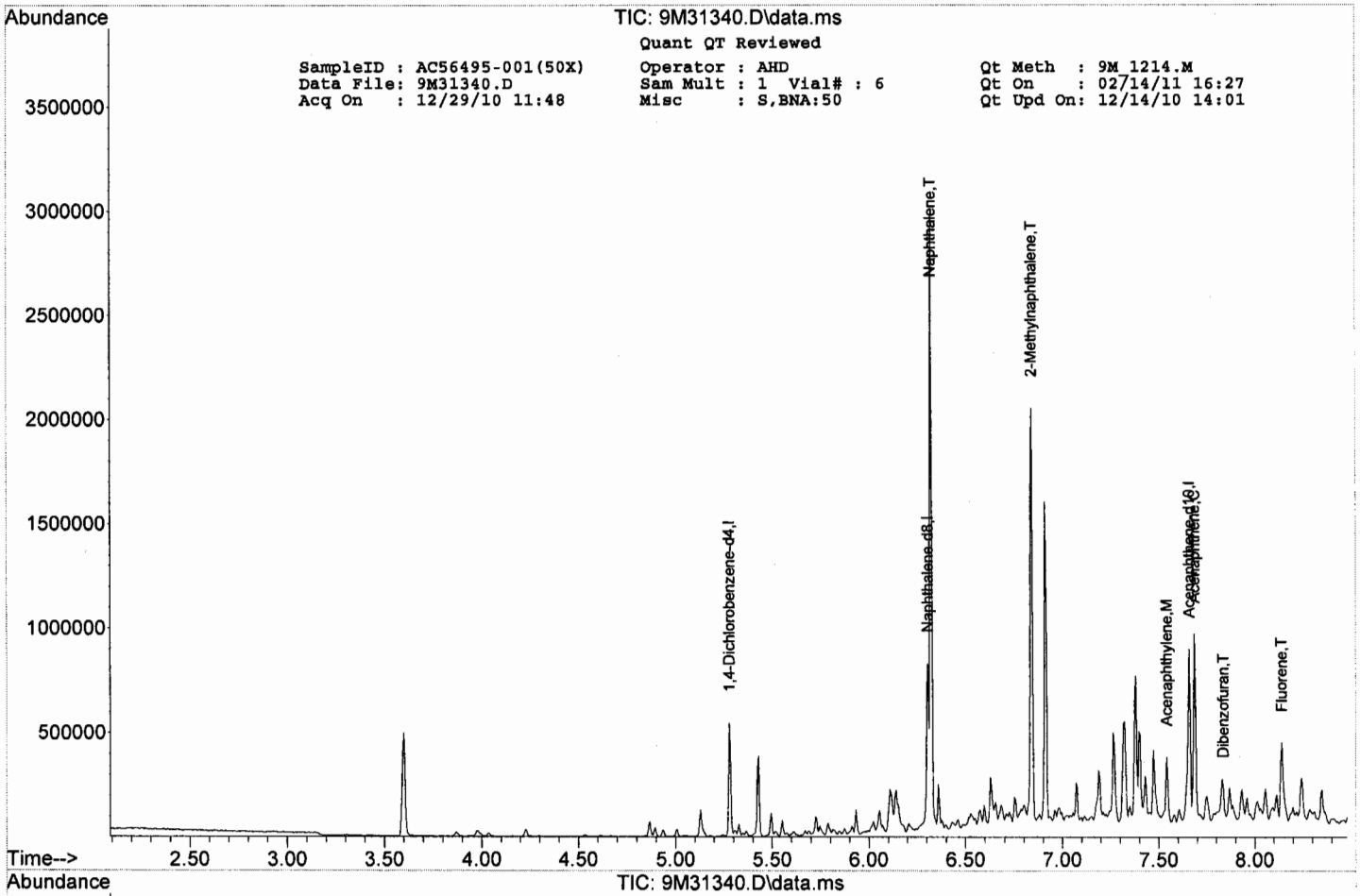
Quantitation Report (QT Reviewed)

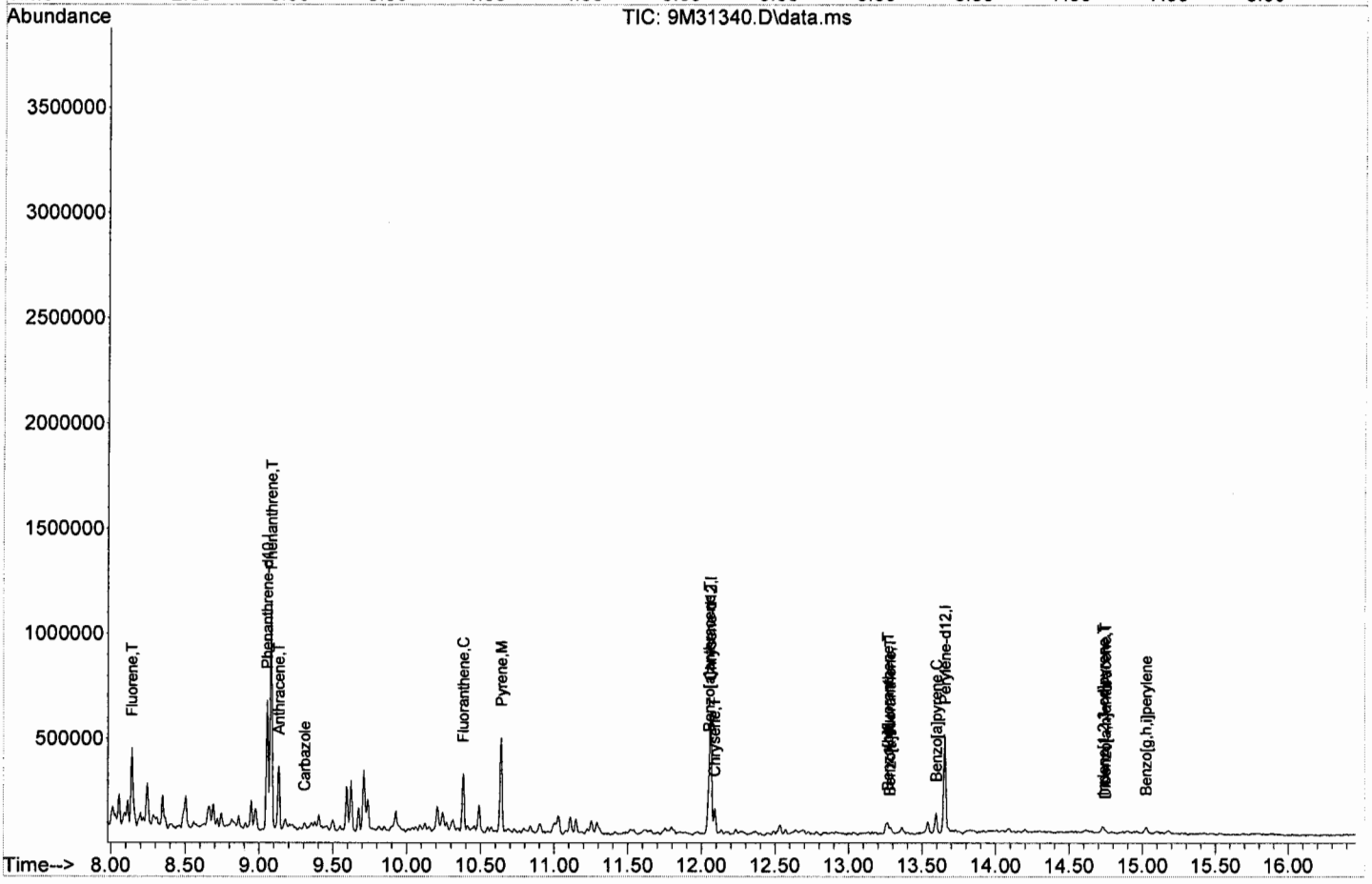
SampleID : AC56495-001(50X) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31340.D Sam Mult : 1 Vial# : 6 Qt On : 02/14/11 16:27
Acq On : 12/29/10 11:48 Misc : S,BNA:50 Qt Upd On: 12/14/10 14:01

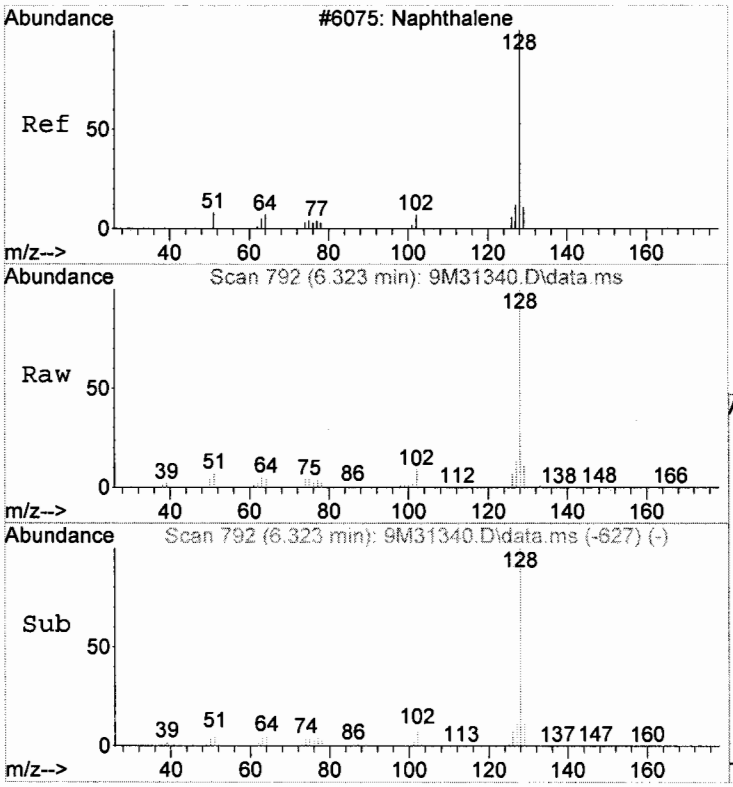
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	66214	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	259245	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	155638	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	238197	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	196000	40.00	ng	-0.19
100) Perylene-d12	13.656	264	157602	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
15) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
30) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						Qvalue
39) Naphthalene	6.323	128	963956	131.60	ng	99
44) 2-Methylnaphthalene	6.842	142	491659	102.16	ng	95
59) Acenaphthylene	7.542	152	47946	6.70	ng	89
62) Acenaphthene	7.687	153	167523	39.63	ng	92
65) Dibenzofuran	7.837	168	13404	2.13	ng	84
69) Fluorene	8.141	166	110305	21.02	ng	87
83) Phenanthrene	9.083	178	404124	60.80	ng	95
84) Anthracene	9.136	178	123620	18.22	ng	96
85) Carbazole	9.307	167	2288	0.34	ng	70
87) Fluoranthene	10.383	202	112154	16.15	ng	90
89) Pyrene	10.639	202	183067	28.23	ng	88
97) Benzo[a]anthracene	12.051	228	54434	9.59	ng	89
98) Chrysene	12.089	228	47315	8.85	ng	96
102) Benzo[b]fluoranthene	13.265	252	26300m	5.61	ng	
103) Benzo[k]fluoranthene	13.281	252	9746m	2.17	ng	
104) Benzo[a]pyrene	13.597	252	33304	7.50	ng	94
105) Indeno[1,2,3-cd]pyrene	14.731	276	10978	2.56	ng	87
106) Dibenzo[a,h]anthracene	14.747	278	3838m	1.05	ng	
107) Benzo[g,h,i]perylene	15.025	276	12054	3.29	ng	89

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


Abundance
TIC: 9M31340.D\data.ms
Quant QT Reviewed
SampleID : AC56495-001(50X)
Data File: 9M31340.D
Acq On : 12/29/10 11:48
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : S,BNA:50
Qt Meth : 9M_1214.M
Qt On : 02/14/11 16:27
Qt Upd On: 12/14/10 14:01
1,4-Dichlorobenzene-d4,I
Naphthalene,T
Naphthalene-d8,I
2-Methylnaphthalene,T
Acenaphthylene,M
Dibenzofuran,T
Fluorene,T
Time-->

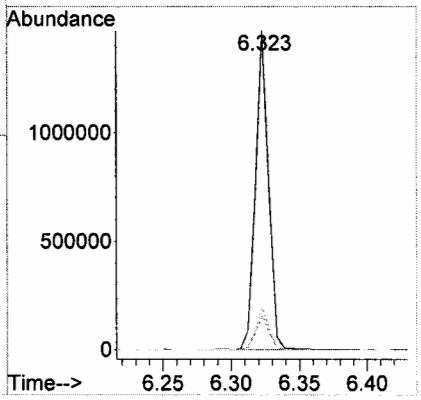

Abundance
TIC: 9M31340.D\data.ms
Fluorene,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Fluoranthene,C
Pyrene,M
Benzo[a]pyrene-d12,I
Benzo[g,h,i]perylene
Time-->

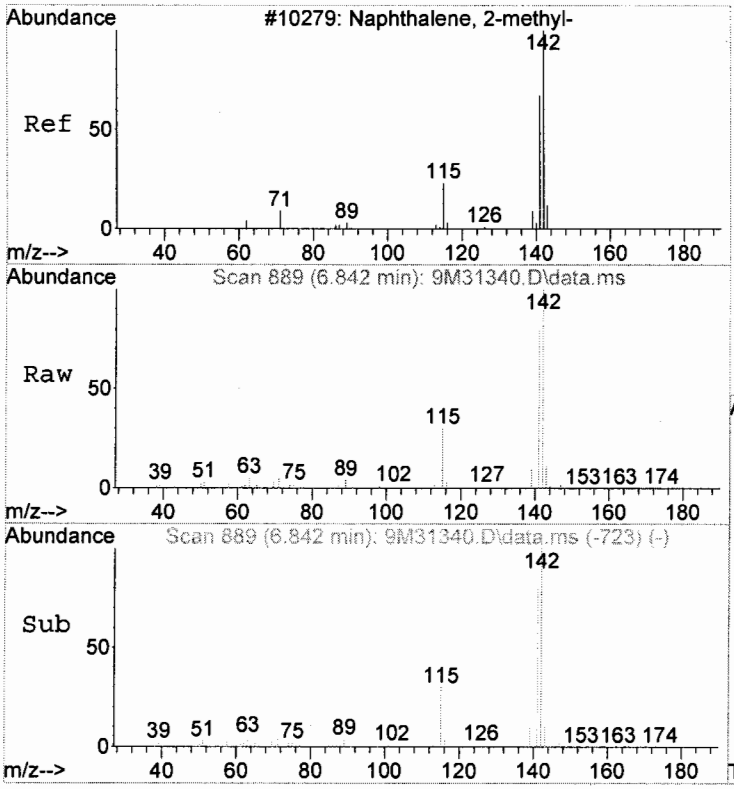


#39
Naphthalene
Concen: 131.60 ng
RT: 6.323 min Scan# 792
Delta R.T. -0.130 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:128 Resp: 963956

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	50.9
127	13.2	0.0	52.4

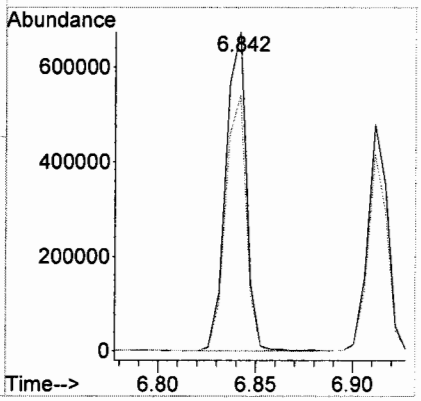


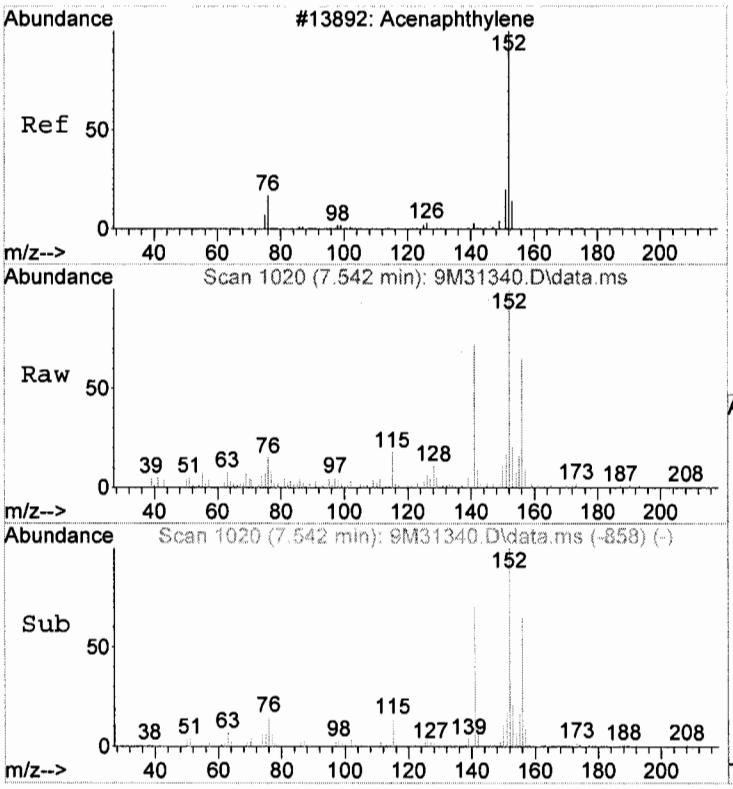


#44
2-Methylnaphthalene
Concen: 102.16 ng
RT: 6.842 min Scan# 889
Delta R.T. -0.130 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:142 Resp: 491659

Ion	Ratio	Lower	Upper
142	100		
141	80.1	44.6	124.6

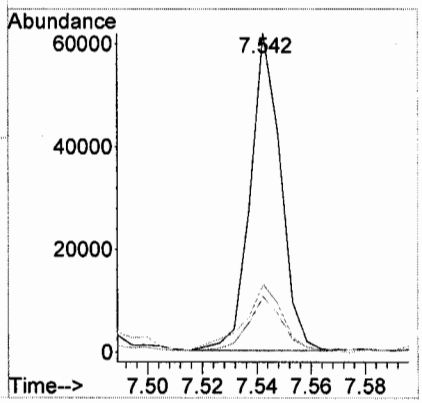


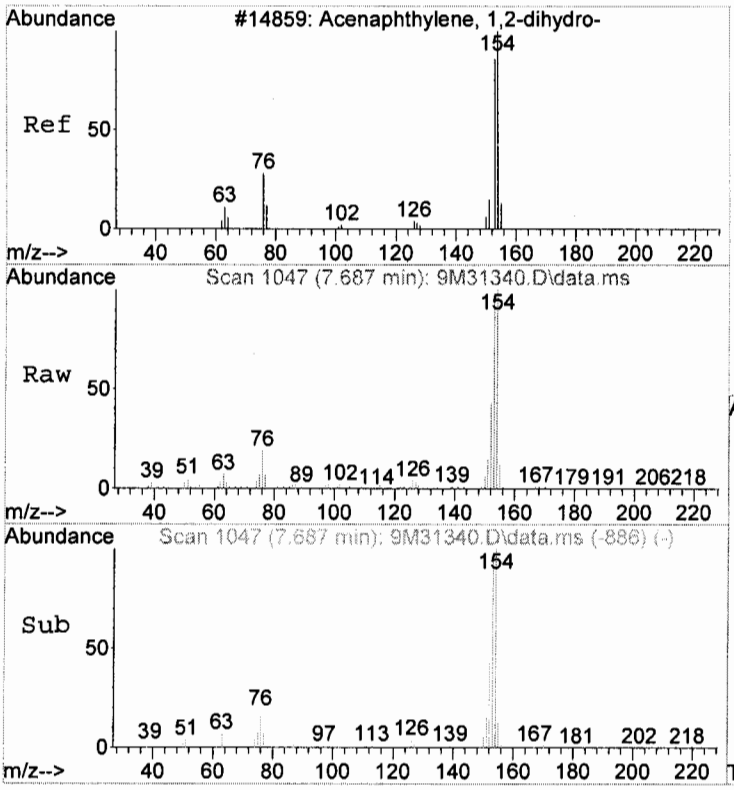


#59
Acenaphthylene
Concen: 6.70 ng
RT: 7.542 min Scan# 1020
Delta R.T. -0.152 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:152 Resp: 47946

Ion	Ratio	Lower	Upper
152	100		
151	16.8	0.0	59.2
153	20.9	0.0	53.2

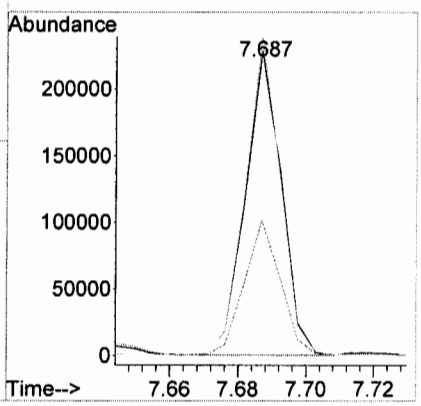


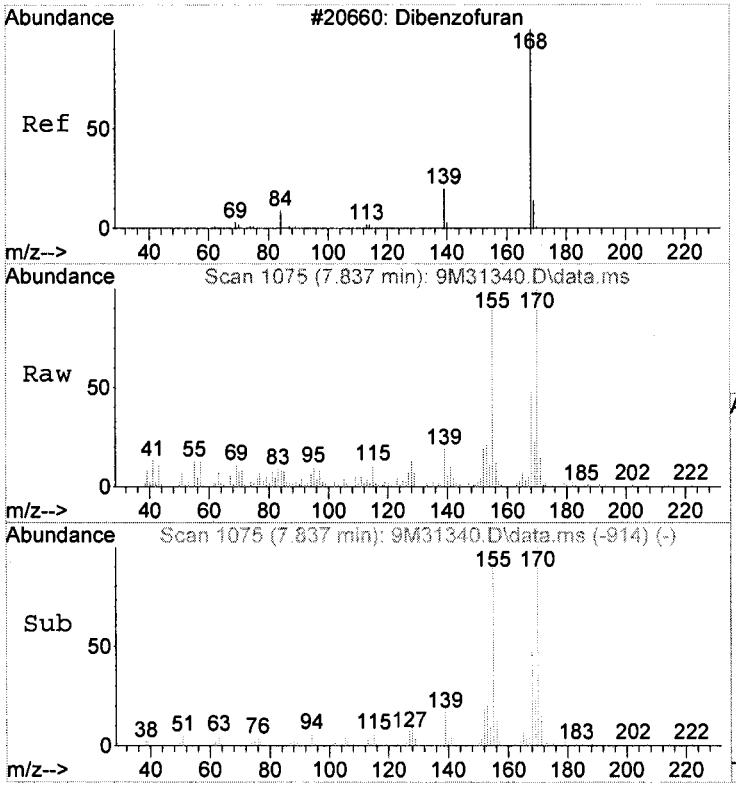


#62
Acenaphthene
Concen: 39.63 ng
RT: 7.687 min Scan# 1047
Delta R.T. -0.152 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:153 Resp: 167523

Ion	Ratio	Lower	Upper
153	100		
152	44.4	10.0	90.0
154	104.6	57.5	137.5

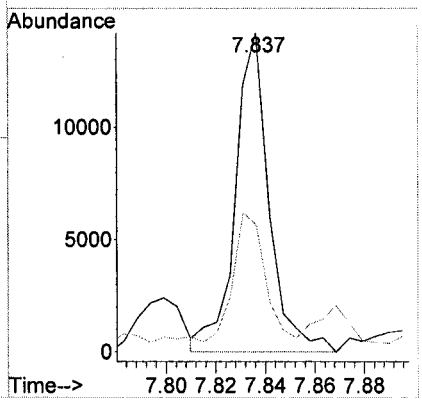


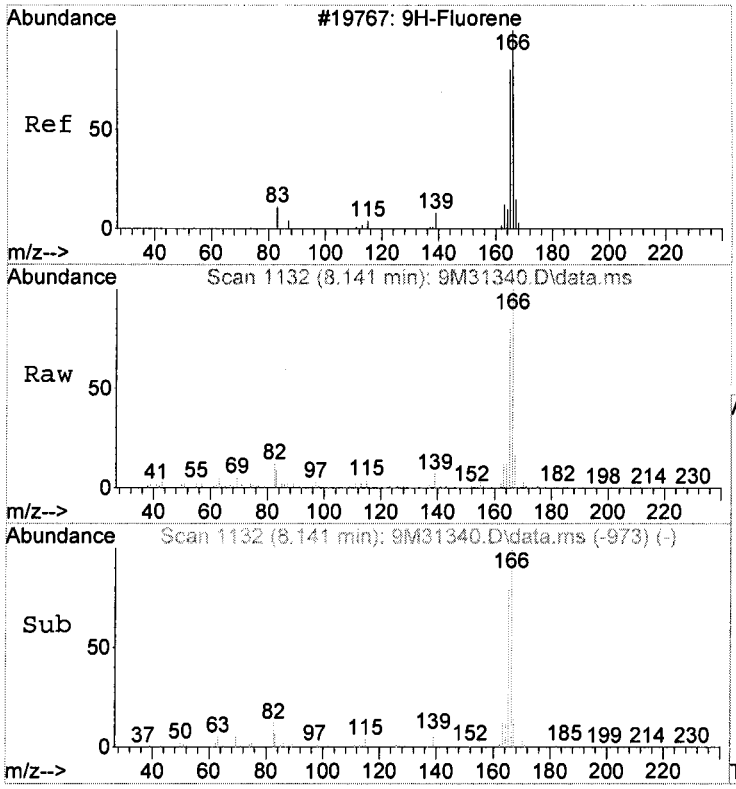


#65
Dibenzofuran
Concen: 2.13 ng
RT: 7.837 min Scan# 1075
Delta R.T. -0.152 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:168 Resp: 13404

Ion	Ratio	Lower	Upper
168	100		
139	35.2	0.0	246.0

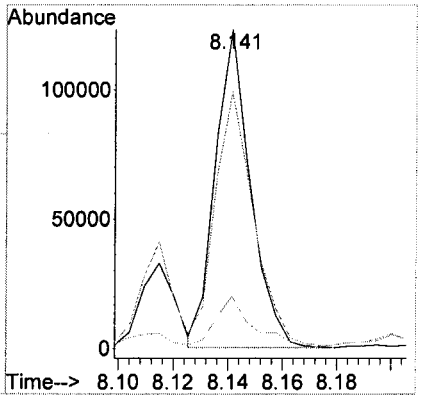


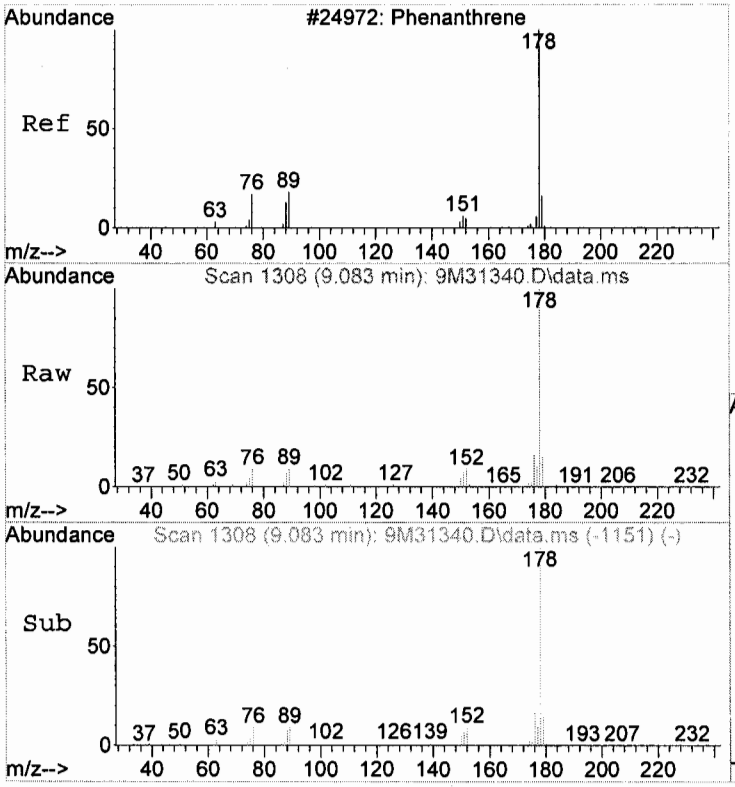


#69
Fluorene
Concen: 21.02 ng
RT: 8.141 min Scan# 1132
Delta R.T. -0.162 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:166 Resp: 110305

Ion	Ratio	Lower	Upper
166	100		
165	79.5	0.0	292.6
167	15.4	0.0	213.2

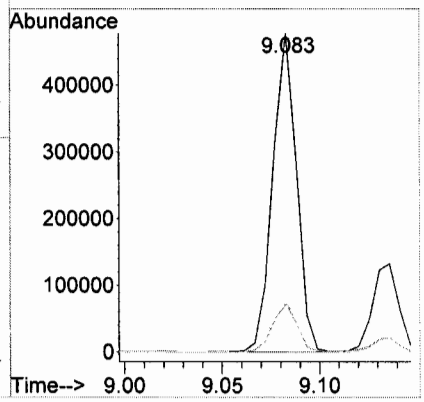


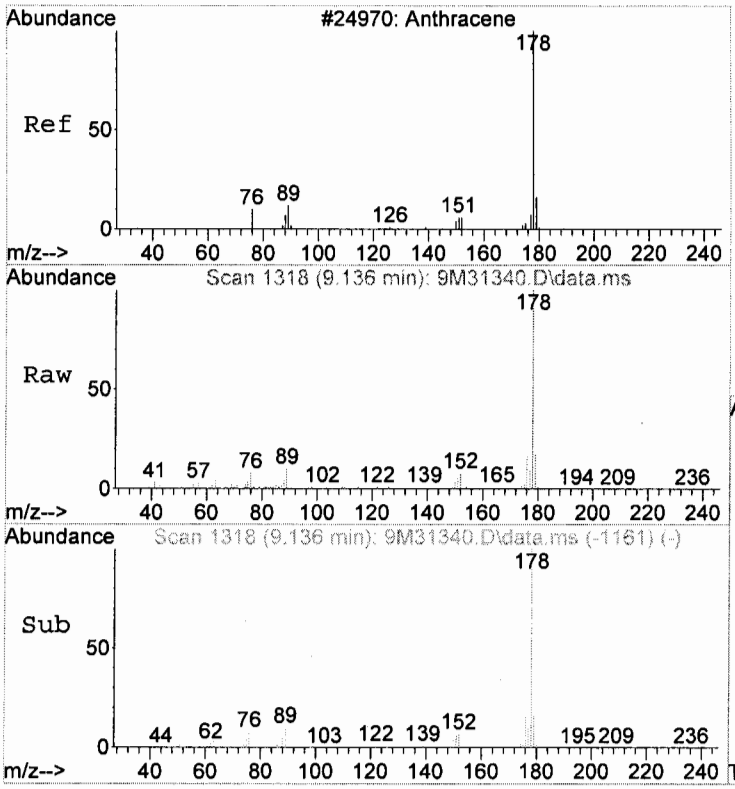


#83
Phenanthrene
Concen: 60.80 ng
RT: 9.083 min Scan# 1308
Delta R.T. -0.173 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:178 Resp: 404124

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	55.5
176	15.9	0.0	59.3

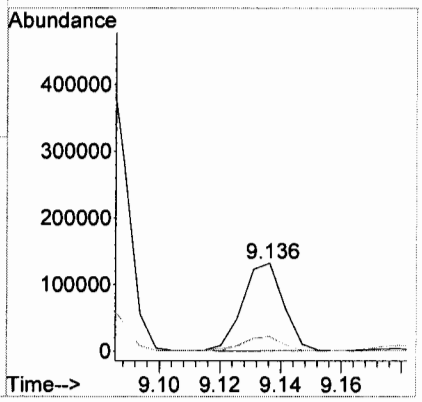


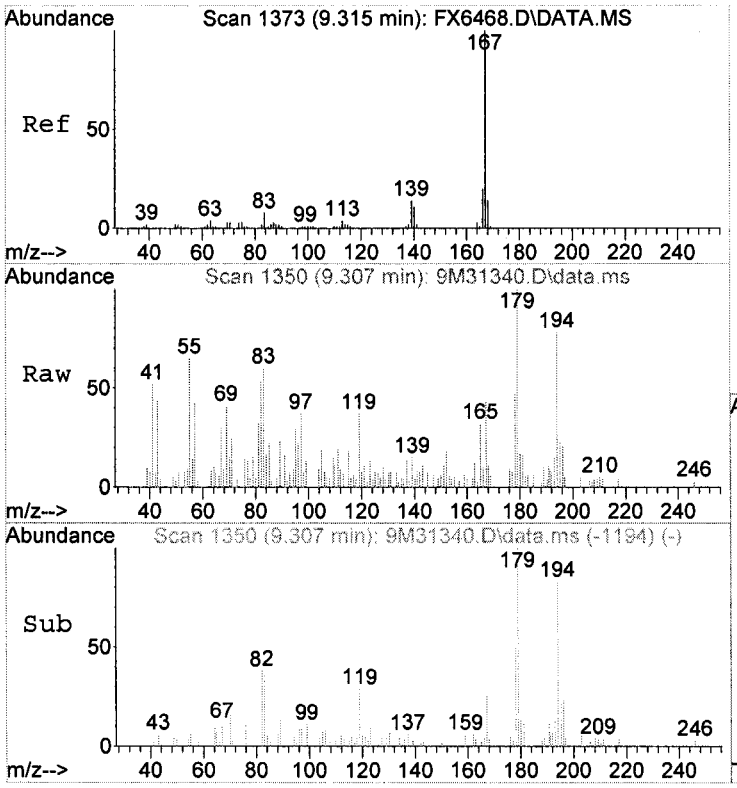


#84
Anthracene
Concen: 18.22 ng
RT: 9.136 min Scan# 1318
Delta R.T. -0.173 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:178 Resp: 123620

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	55.2
176	16.0	0.0	58.1

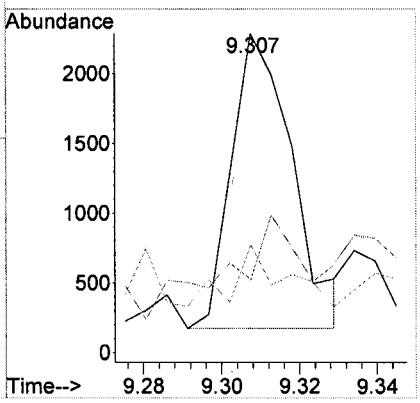


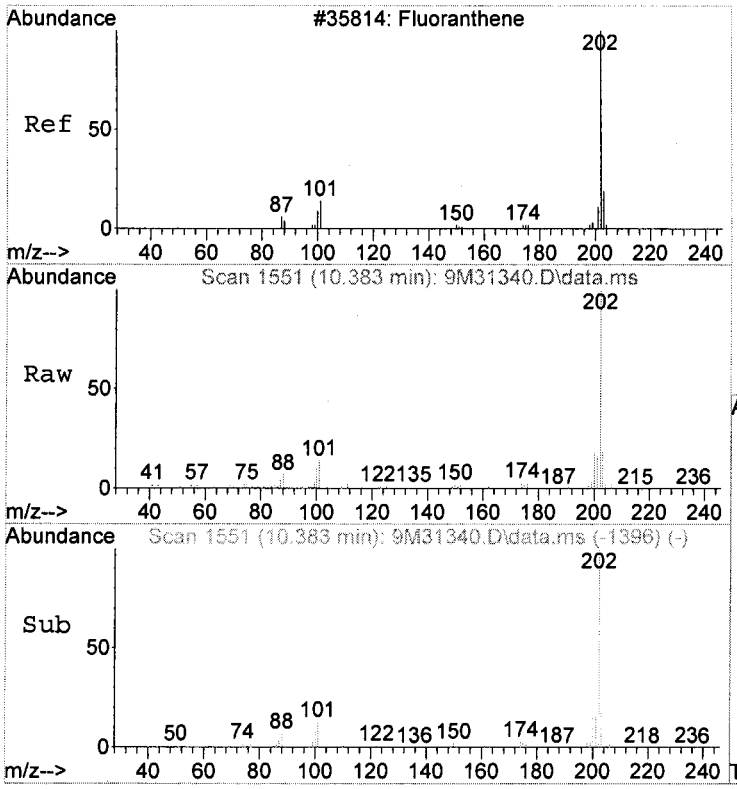


#85
Carbazole
Concen: 0.34 ng
RT: 9.307 min Scan# 1350
Delta R.T. -0.178 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:167 Resp: 2288

Ion	Ratio	Lower	Upper
167	100		
166	1.1	0.2	40.2
139	21.2	0.0	35.0

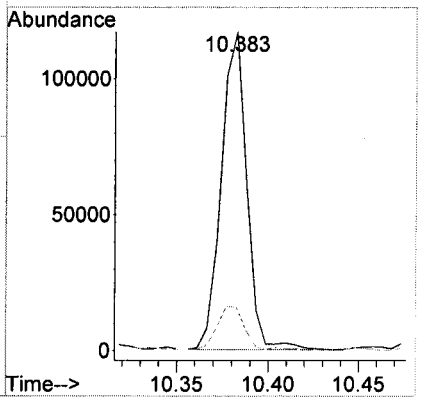


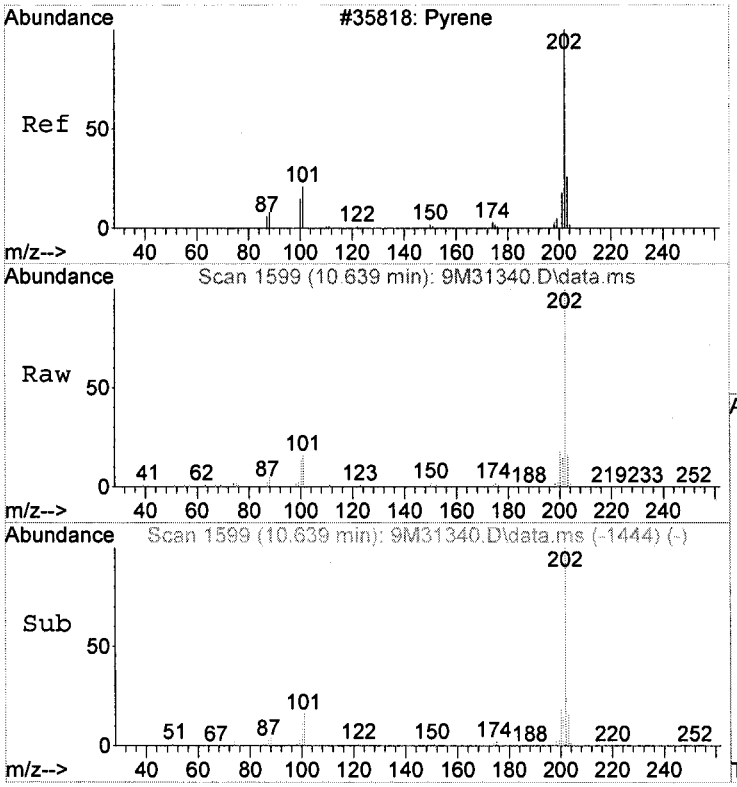


#87
Fluoranthene
Concen: 16.15 ng
RT: 10.383 min Scan# 1551
Delta R.T. -0.184 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:202 Resp: 112154

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	57.6

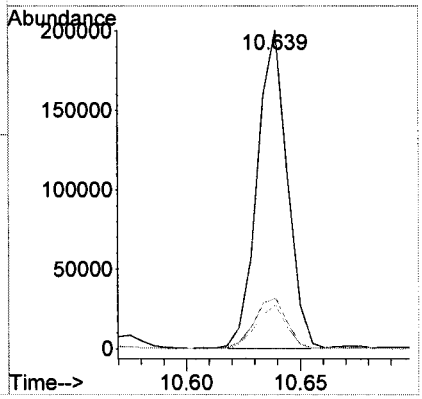


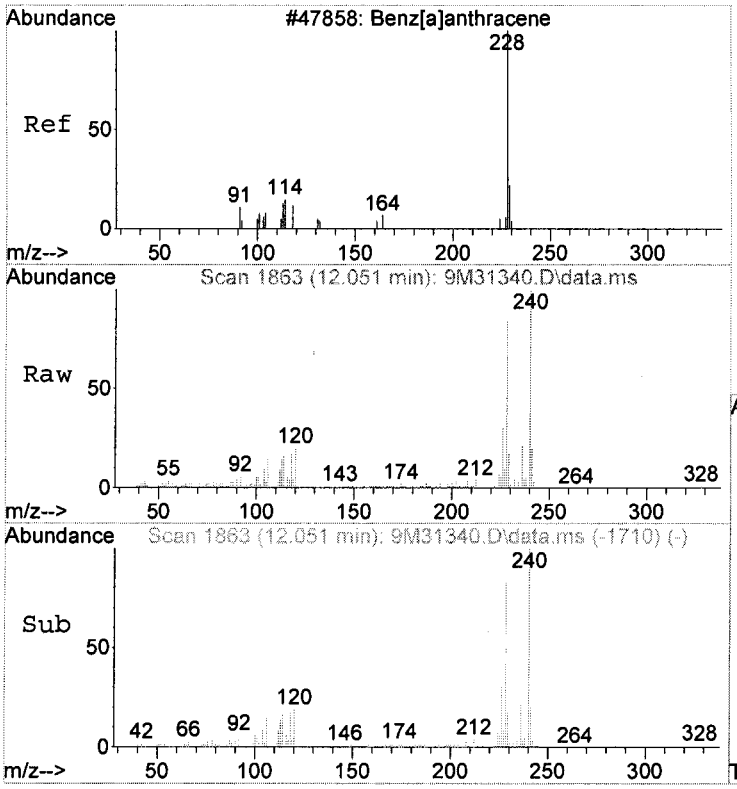


#89
Pyrene
Concen: 28.23 ng
RT: 10.639 min Scan# 1599
Delta R.T. -0.184 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:202 Resp: 183067

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	62.2
100	13.7	0.0	57.8

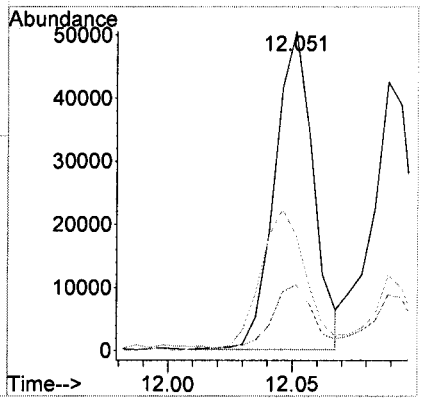


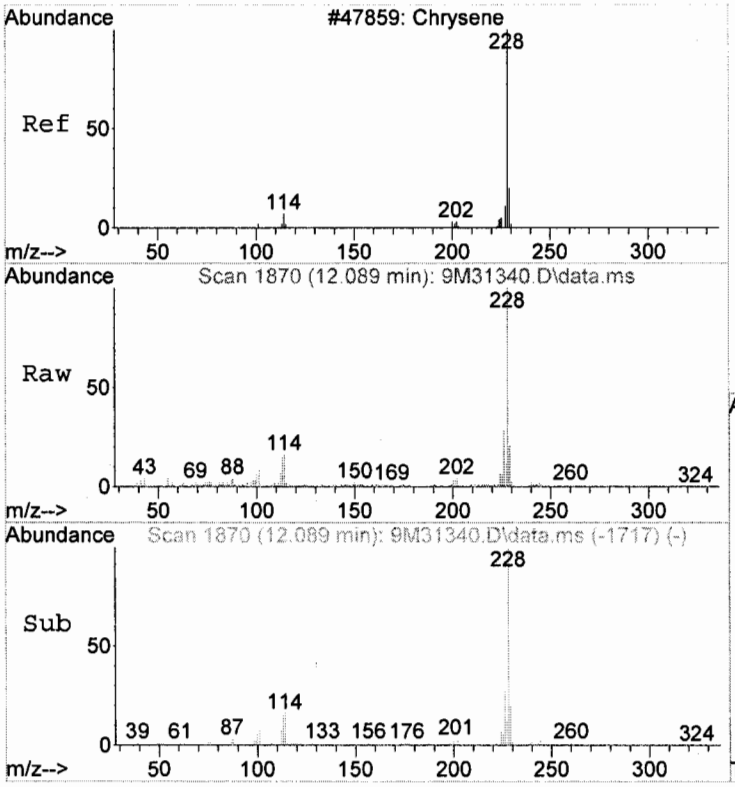


#97
Benzo[a]anthracene
Concen: 9.59 ng
RT: 12.051 min Scan# 1863
Delta R.T. -0.194 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:228 Resp: 54434

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	59.5
226	35.9	0.0	66.0

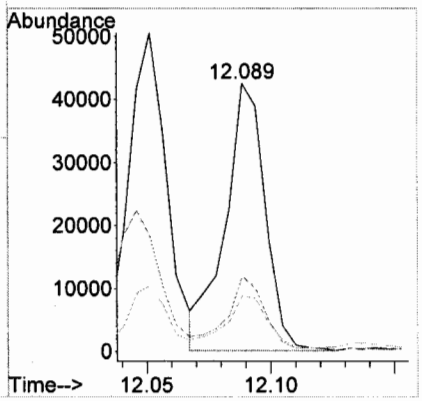


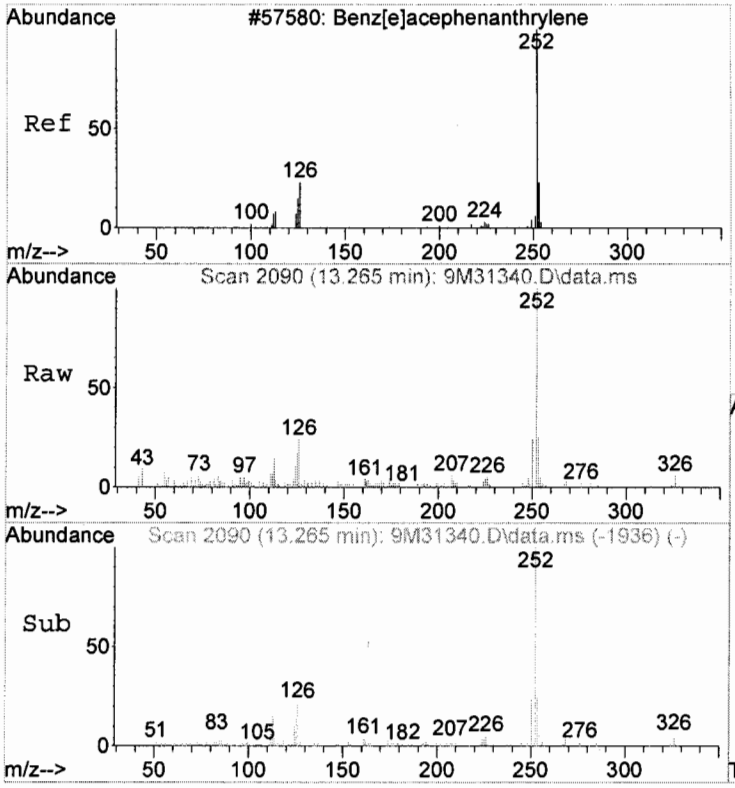


#98
Chrysene
Concen: 8.85 ng
RT: 12.089 min Scan# 1870
Delta R.T. -0.200 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:228 Resp: 47315

Ion	Ratio	Lower	Upper
228	100		
226	27.1	9.5	49.5
229	19.1	0.0	60.2

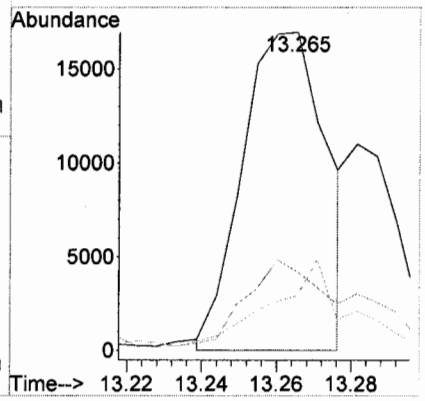


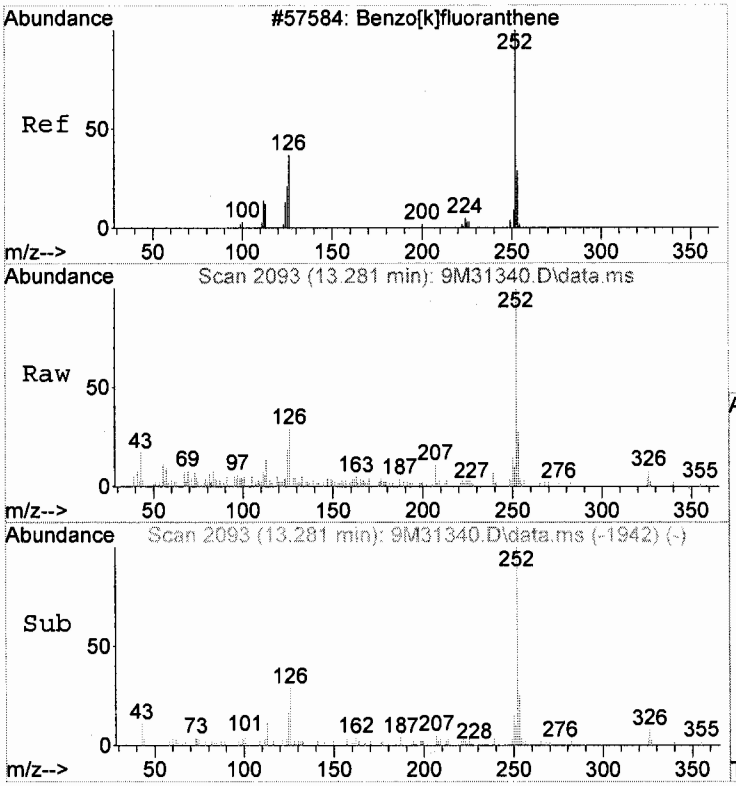


#102
Benzo[b]fluoranthene
Concen: 5.61 ng m
RT: 13.265 min Scan# 2090
Delta R.T. -0.189 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:252 Resp: 26300

Ion	Ratio	Lower	Upper
252	100		
253	24.8	0.0	62.3
125	17.3	0.0	58.4

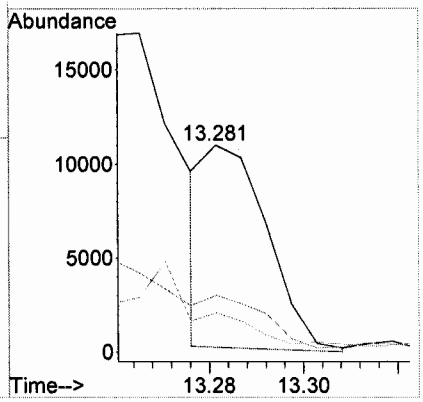


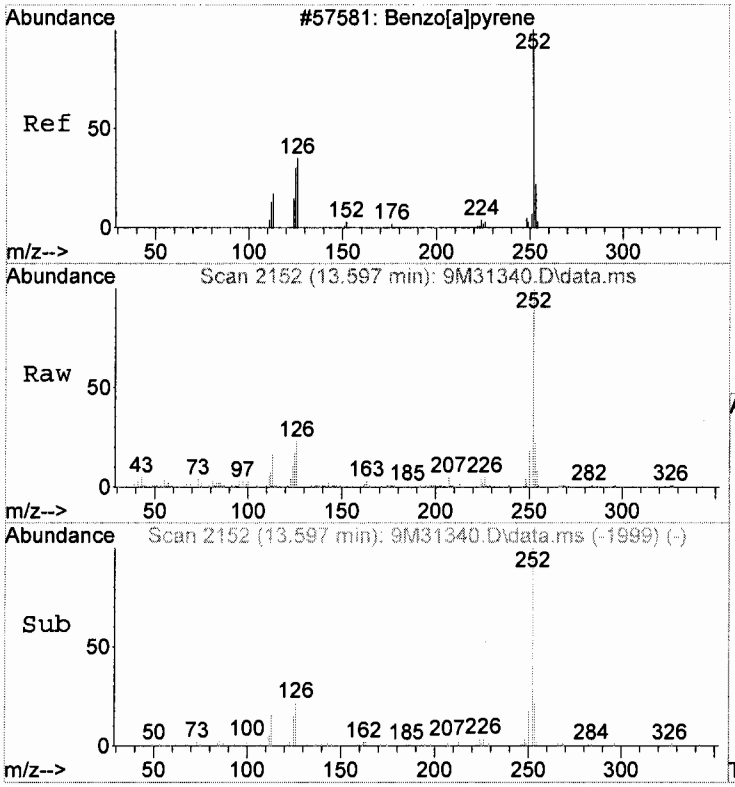


#103
Benzo[k]fluoranthene
Concen: 2.17 ng m
RT: 13.281 min Scan# 2093
Delta R.T. -0.205 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:252 Resp: 9746

Ion	Ratio	Lower	Upper
252	100		
253	27.6	0.0	62.2
125	19.0	0.0	58.9

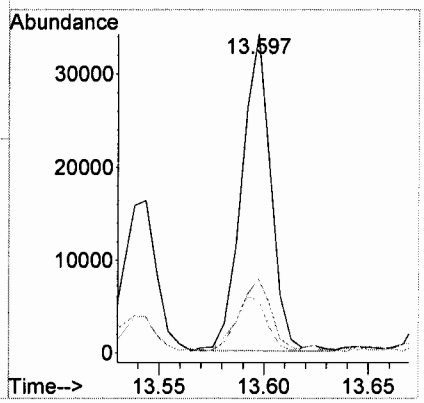


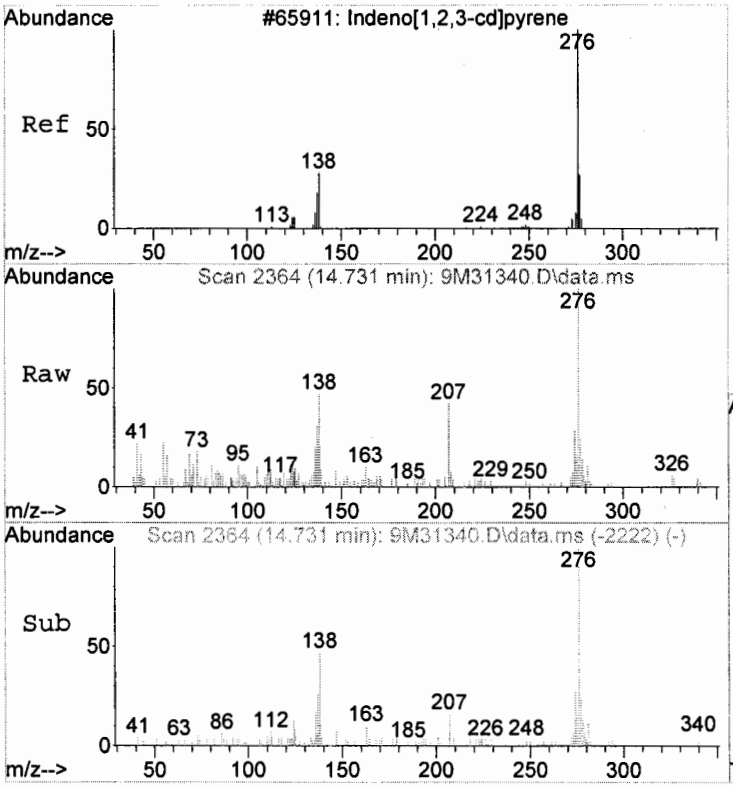


#104
Benzo[a]pyrene
Concen: 7.50 ng
RT: 13.597 min Scan# 2152
Delta R.T. -0.194 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:252 Resp: 33304

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	62.4
125	15.8	0.0	60.9

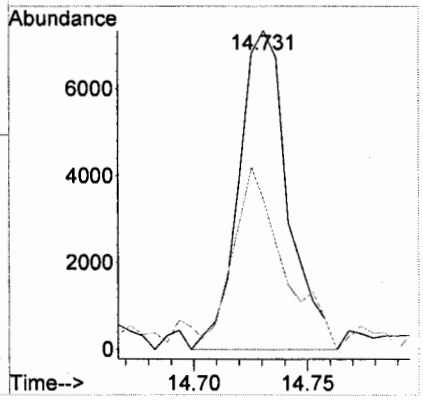


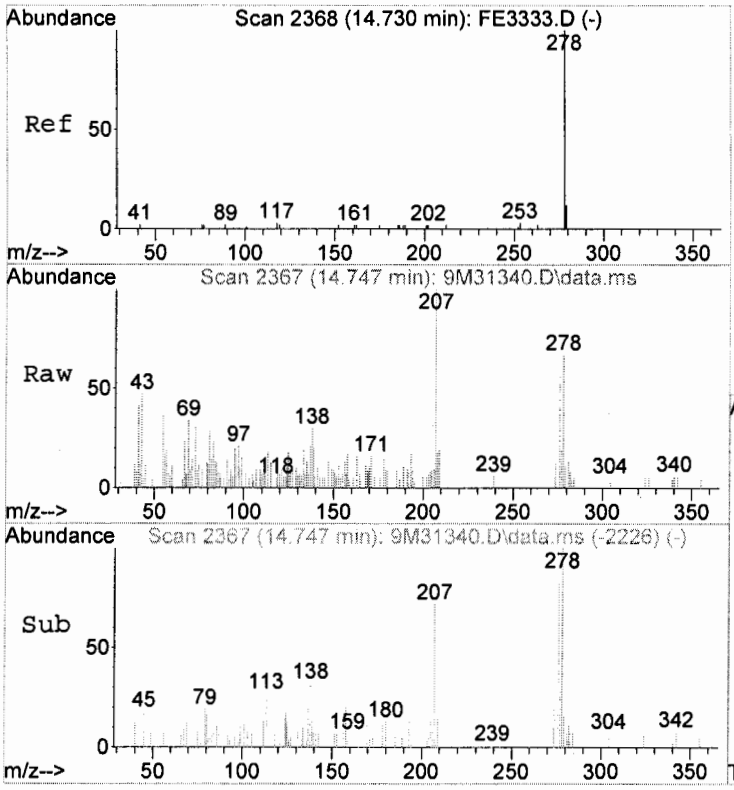


#105
Indeno[1,2,3-cd]pyrene
Concen: 2.56 ng
RT: 14.731 min Scan# 2364
Delta R.T. -0.253 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:276 Resp: 10978

Ion	Ratio	Lower	Upper
276	100		
138	46.6	0.0	78.9

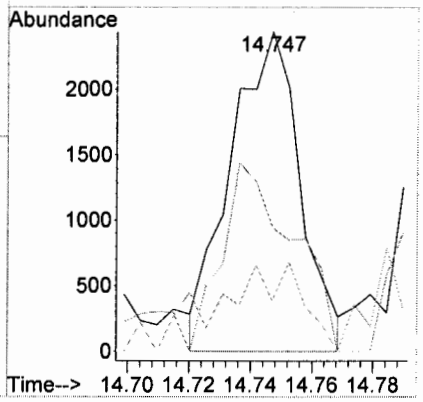


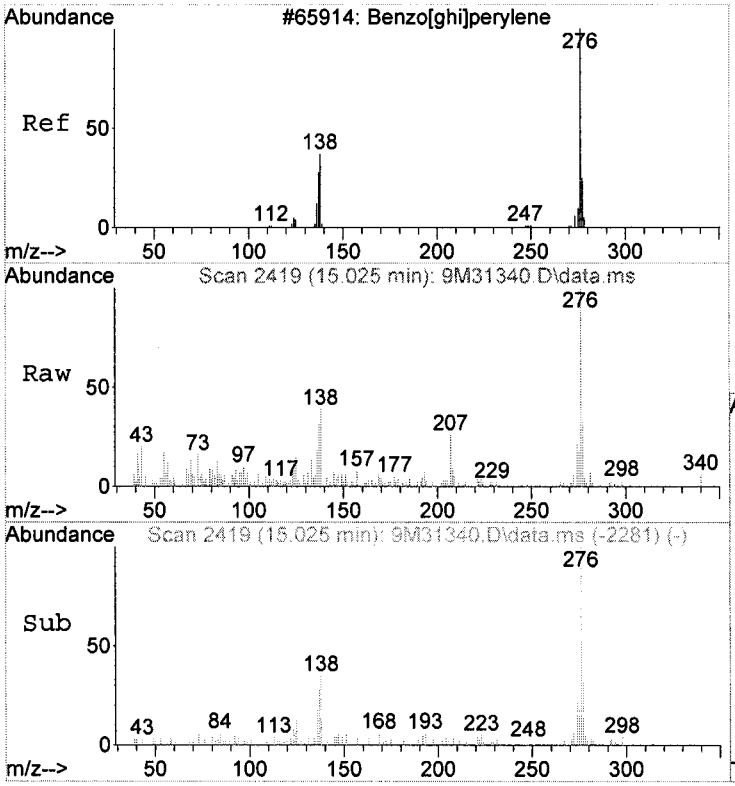


#106
Dibenzo[a,h]anthracene
Concen: 1.05 ng m
RT: 14.747 min Scan# 2367
Delta R.T. -0.258 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:278 Resp: 3838

Ion	Ratio	Lower	Upper
278	100		
139	30.3	0.0	72.0
279	15.8	0.0	63.9

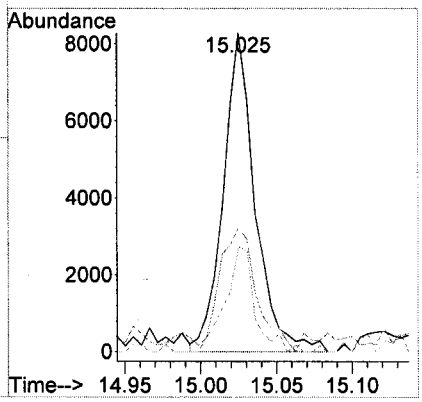




#107
Benzo[g,h,i]perylene
Concen: 3.29 ng
RT: 15.025 min Scan# 2419
Delta R.T. -0.275 min
Lab File: 9M31340.D
Acq: 29 Dec 2010 11:48

Tgt Ion:276 Resp: 12054

Ion	Ratio	Lower	Upper
276	100		
138	45.3	0.0	140.0
277	27.8	0.0	120.0



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-002(50X)
Client Id: PJ Baseline-2
Data File: 9M31341.D
Analysis Date: 12/29/10 12:11
Date Rec/Extracted: 12/22/10-12/28/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 50
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.38	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.44**	**4.0**
95-95-4	2,4,5-Trichlorophenol	0.64	U	65-85-0	Benzoic Acid	7.8	U
88-06-2	2,4,6-Trichlorophenol	1.1	U	111-91-1	bis(2-Chloroethoxy)methan	0.43	U
120-83-2	2,4-Dichlorophenol	1.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
105-67-9	2,4-Dimethylphenol	2.6	U	108-60-1	bis(2-chloroisopropyl)ether	5.9	U
51-28-5	2,4-Dinitrophenol	1.9	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U
121-14-2	2,4-Dinitrotoluene	0.77	U	85-68-7	Butylbenzylphthalate	1.1	U
606-20-2	2,6-Dinitrotoluene	0.80	U	**86-74-8**	**Carbazole**	**0.40**	**0.70 J**
91-58-7	2-Chloronaphthalene	0.45	U	**218-01-9**	**Chrysene**	**0.28**	**19**
95-57-8	2-Chlorophenol	0.76	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.39**	**1.7 J**
91-57-6	**2-Methylnaphthalene**	**1.2**	**220**	**132-64-9**	**Dibenzofuran**	**1.0**	**4.4**
95-48-7	2-Methylphenol	1.0	U	84-66-2	Diethylphthalate	0.60	U
88-74-4	2-Nitroaniline	0.79	U	131-11-3	Dimethylphthalate	0.44	U
88-75-5	2-Nitrophenol	0.68	U	84-74-2	Di-n-butylphthalate	0.79	U
106-44-5	3&4-Methylphenol	1.0	U	117-84-0	Di-n-octylphthalate	0.96	U
91-94-1	3,3'-Dichlorobenzidine	2.8	U	**206-44-0**	**Fluoranthene**	**0.34**	**35**
99-09-2	3-Nitroaniline	2.0	U	**86-73-7**	**Fluorene**	**0.58**	**46**
534-52-1	4,6-Dinitro-2-methylphenol	1.6	U	118-74-1	Hexachlorobenzene	0.47	U
101-55-3	4-Bromophenyl-phenylether	0.59	U	87-68-3	Hexachlorobutadiene	0.77	U
59-50-7	4-Chloro-3-methylphenol	1.1	U	77-47-4	Hexachlorocyclopentadiene	4.6	U
106-47-8	4-Chloroaniline	4.0	U	67-72-1	Hexachloroethane	0.57	U
7005-72-3	4-Chlorophenyl-phenylether	0.42	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.49**	**5.7**
100-01-6	4-Nitroaniline	1.1	U	78-59-1	Isophorone	0.52	U
100-02-7	4-Nitrophenol	1.4	U	**91-20-3**	**Naphthalene**	**0.47**	**280**
83-32-9	**Acenaphthene**	**0.46**	**85**	98-95-3	Nitrobenzene	0.60	U
208-96-8	**Acenaphthylene**	**0.48**	**14**	62-75-9	N-Nitrosodimethylamine	2.7	U
62-53-3	Aniline	3.3	U	621-64-7	N-Nitroso-di-n-propylamine	0.52	U
120-12-7	**Anthracene**	**0.40**	**40**	86-30-6	n-Nitrosodiphenylamine	0.42	U
92-87-5	Benzidine	6.2	U	87-86-5	Pentachlorophenol	1.6	U
56-55-3	**Benzo[a]anthracene**	**0.33**	**20**	**85-01-8**	**Phenanthrene**	**0.42**	**130**
50-32-8	**Benzo[a]pyrene**	**0.49**	**16**	108-95-2	Phenol	0.97	U
205-99-2	**Benzo[b]fluoranthene**	**0.43**	**12**	**129-00-0**	**Pyrene**	**0.33**	**62**
191-24-2	**Benzo[g,h,i]perylene**	**0.44**	**8.0**				

Worksheet #: 182508

Total Target Concentration 1000

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

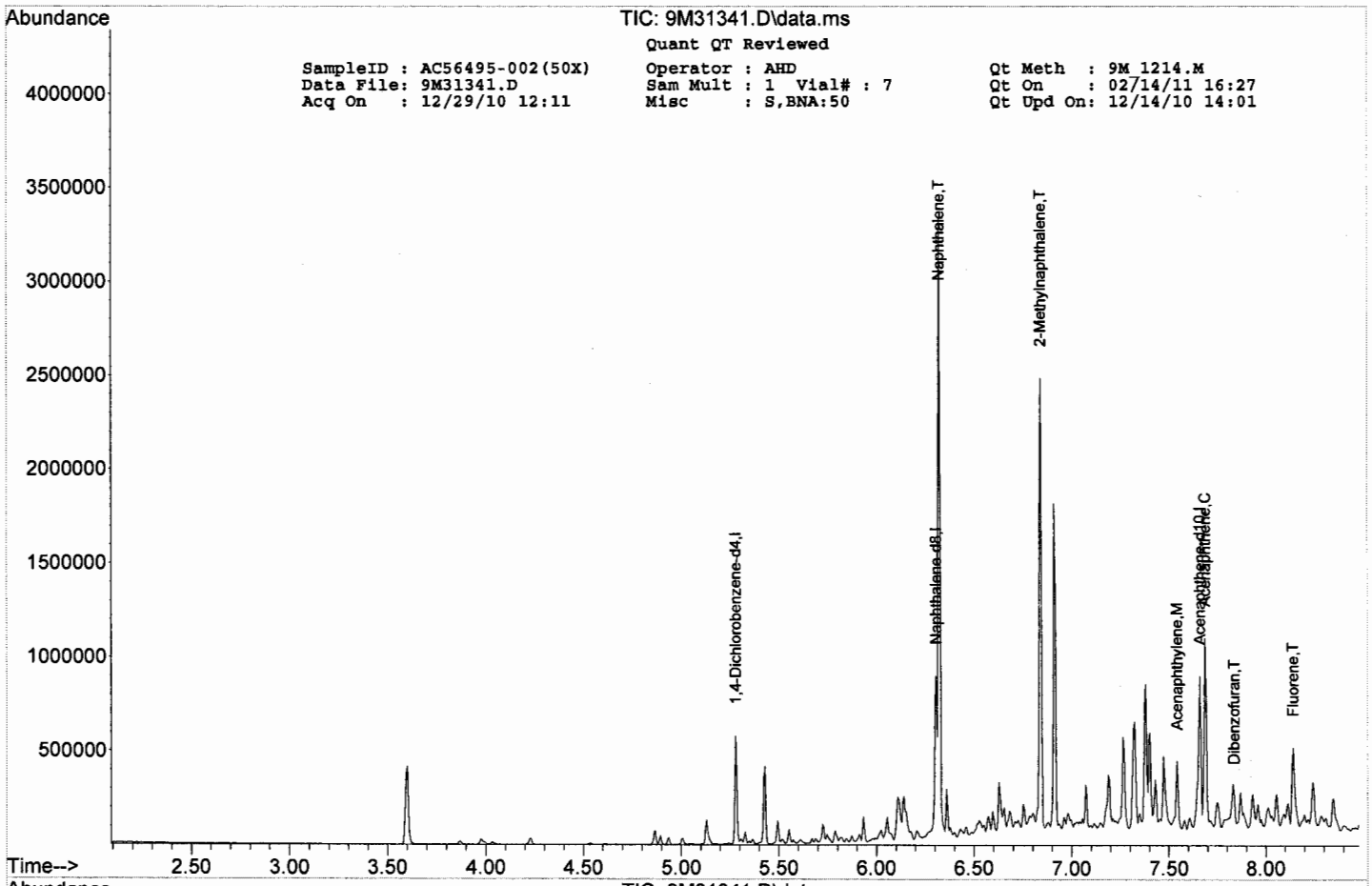
SampleID : AC56495-002(50X) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31341.D Sam Mult : 1 Vial# : 7 Qt On : 02/14/11 16:27
Acq On : 12/29/10 12:11 Misc : S,BNA:50 Qt Upd On: 12/14/10 14:01

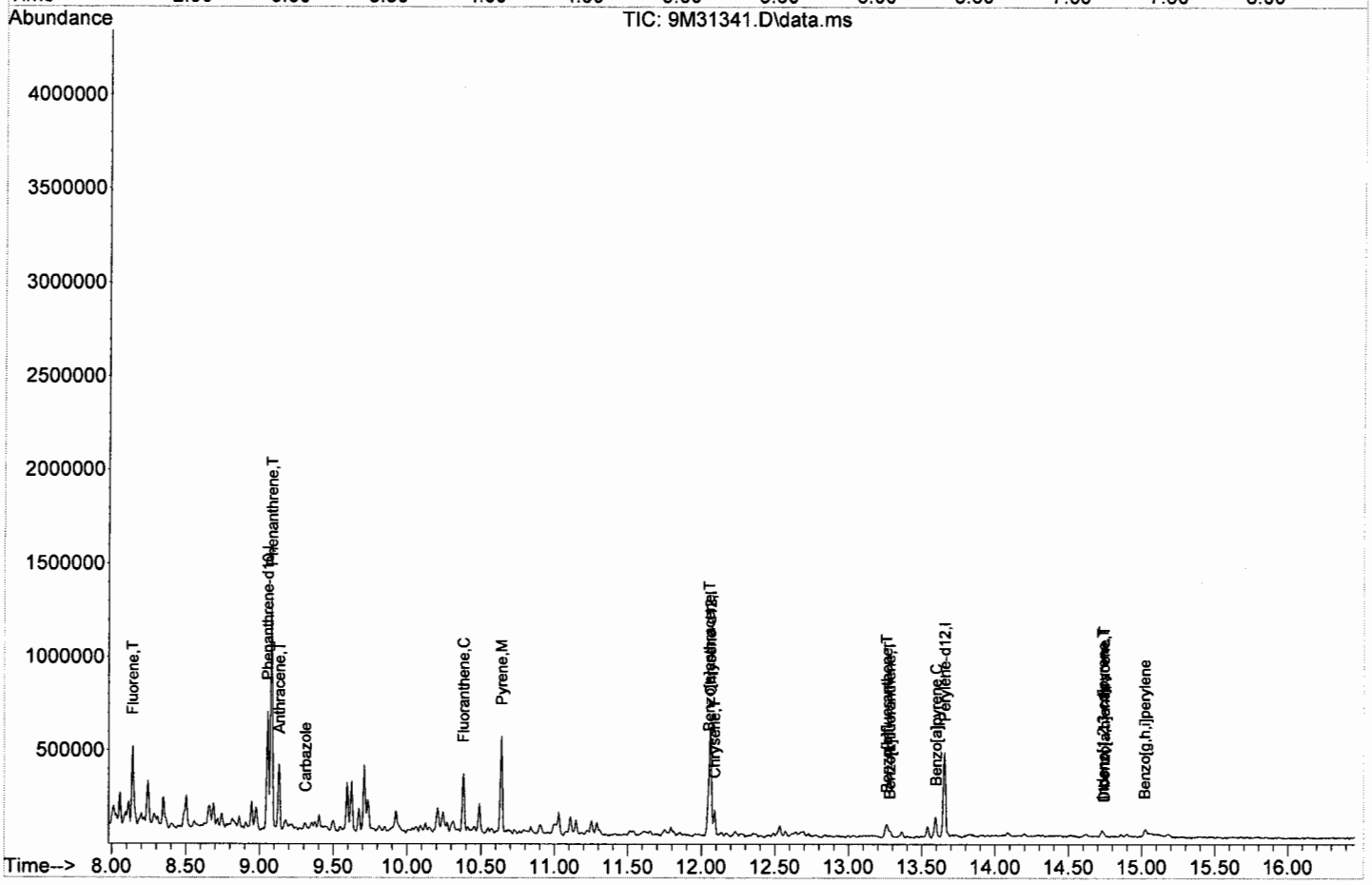
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

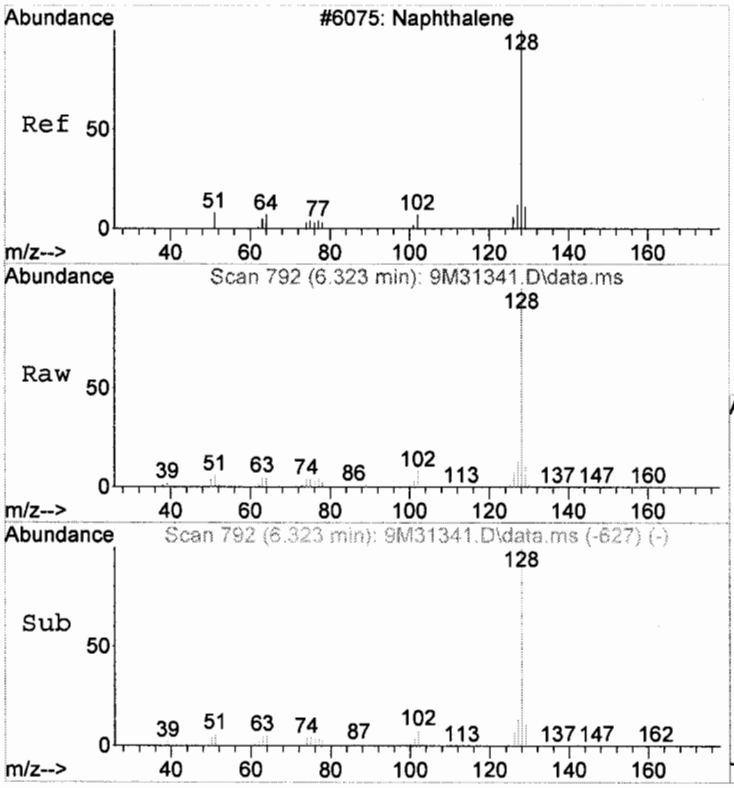
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	68733	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	269003	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	157523	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	240321	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	200701	40.00	ng	-0.19
100) Perylene-d12	13.656	264	167300	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
15) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
30) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
52) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
77) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
91) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
39) Naphthalene	6.323	128	1122593	147.69	ng	98
44) 2-Methylnaphthalene	6.842	142	567948	113.73	ng	94
59) Acenaphthylene	7.543	152	55029	7.60	ng	91
62) Acenaphthene	7.687	153	191636	44.79	ng	93
65) Dibenzofuran	7.837	168	14703	2.30	ng	81
69) Fluorene	8.142	166	129780	24.44	ng	86
83) Phenanthrene	9.083	178	465982	69.49	ng	94
84) Anthracene	9.136	178	143370	20.94	ng	94
85) Carbazole	9.313	167	2485	0.37	ng	89
87) Fluoranthene	10.383	202	128313	18.32	ng	88
89) Pyrene	10.639	202	216216	32.56	ng	88
97) Benzo[a]anthracene	12.051	228	62373	10.73	ng	93
98) Chrysene	12.089	228	54381	9.93	ng	91
102) Benzo[b]fluoranthene	13.260	252	32505m	6.54	ng	
103) Benzo[k]fluoranthene	13.282	252	9960m	2.09	ng	
104) Benzo[a]pyrene	13.597	252	40330	8.56	ng	90
105) Indeno[1,2,3-cd]pyrene	14.731	276	13591m	2.99	ng	
106) Dibenzo[a,h]anthracene	14.742	278	3470m	0.89	ng	
107) Benzo[g,h,i]perylene	15.020	276	16425	4.22	ng	92

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

Ve


Abundance
TIC: 9M31341.D\data.ms
Quant QT Reviewed
SampleID : AC56495-002(50X)
Data File: 9M31341.D
Acq On : 12/29/10 12:11
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : S,BNA:50
Qt Meth : 9M_1214.M
Qt On : 02/14/11 16:27
Qt Upd On: 12/14/10 14:01
1,4-Dichlorobenzene-d4,I
Naphthalene,T
Naphthalene-d8,I
2-Methylnaphthalene,T
Acenaphthylene,M
Dibenzofuran,T
Fluorene,T
Time-->

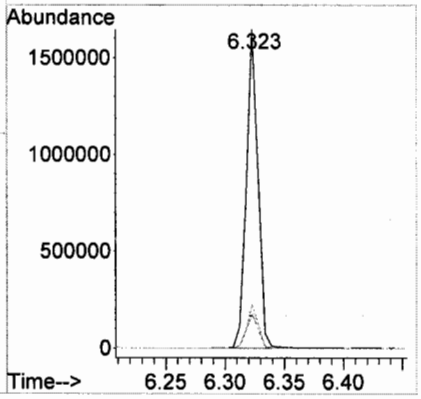

Abundance
TIC: 9M31341.D\data.ms
Fluorene,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Fluoranthene,C
Pyrene,M
Chrysene,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

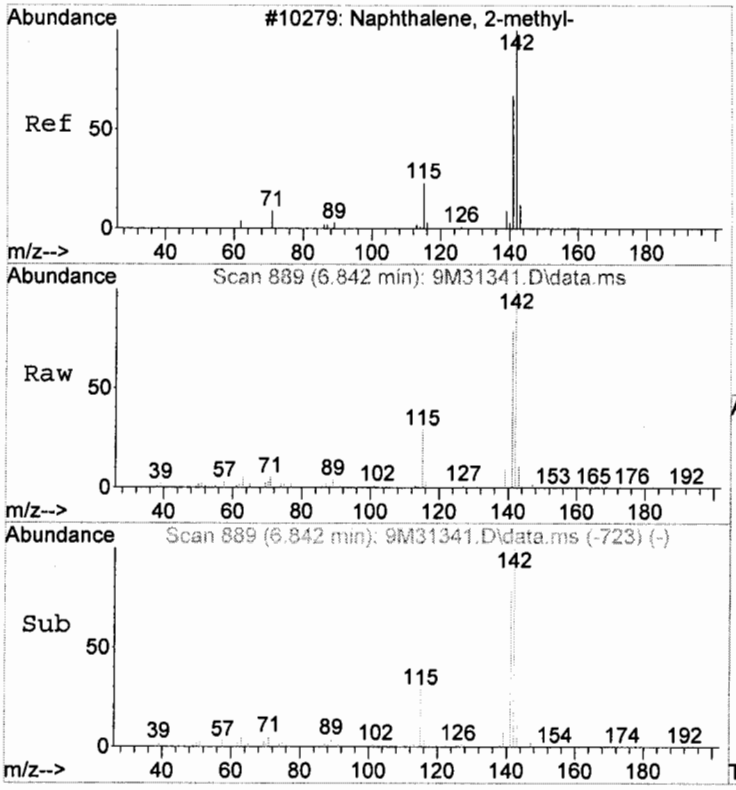


#39
Naphthalene
Concen: 147.69 ng
RT: 6.323 min Scan# 792
Delta R.T. -0.130 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:128 Resp: 1122593

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	50.9
127	13.5	0.0	52.4

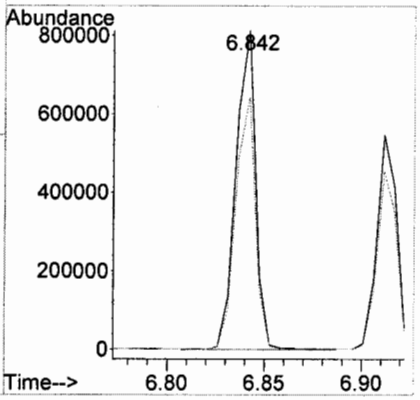


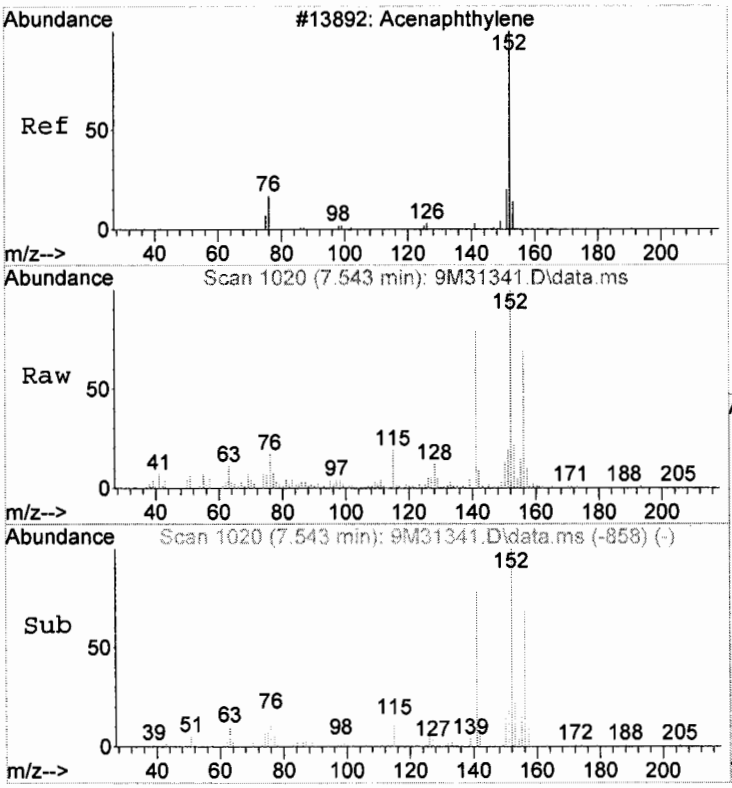


#44
2-Methylnaphthalene
Concen: 113.73 ng
RT: 6.842 min Scan# 889
Delta R.T. -0.130 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:142 Resp: 567948

Ion	Ratio	Lower	Upper
142	100		
141	79.1	44.6	124.6

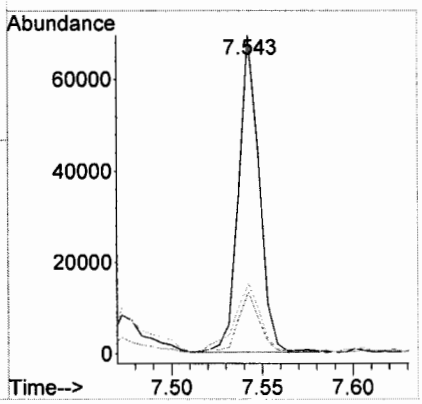


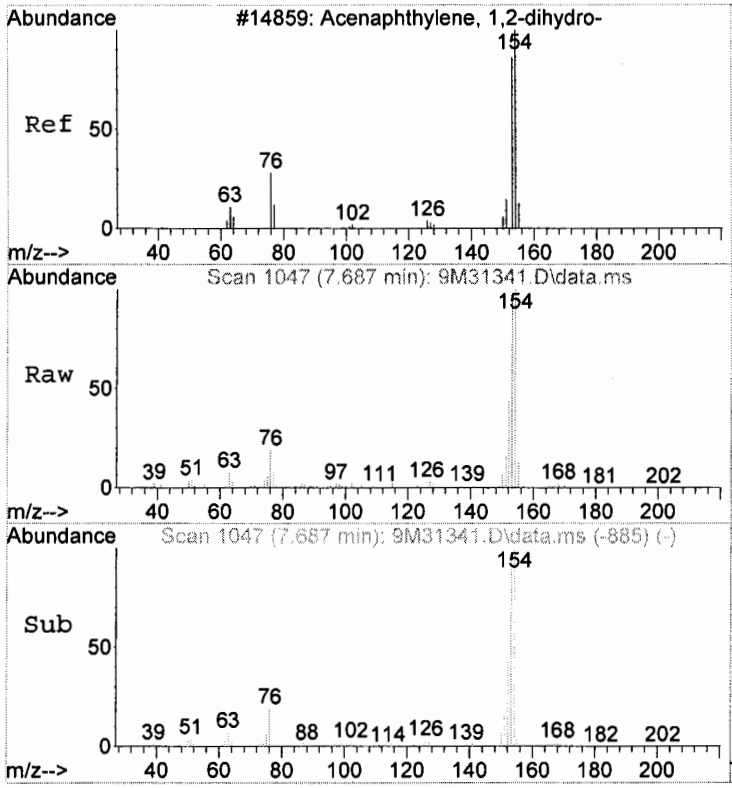


#59
Acenaphthylene
Concen: 7.60 ng
RT: 7.543 min Scan# 1020
Delta R.T. -0.151 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:152 Resp: 55029

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	59.2
153	21.5	0.0	53.2

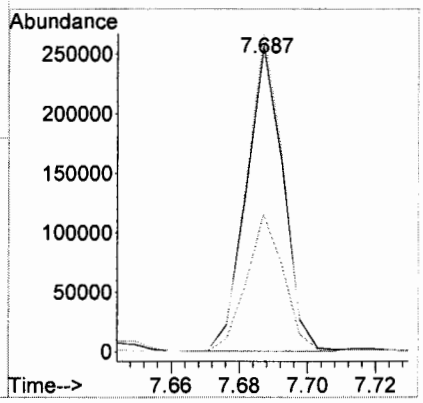


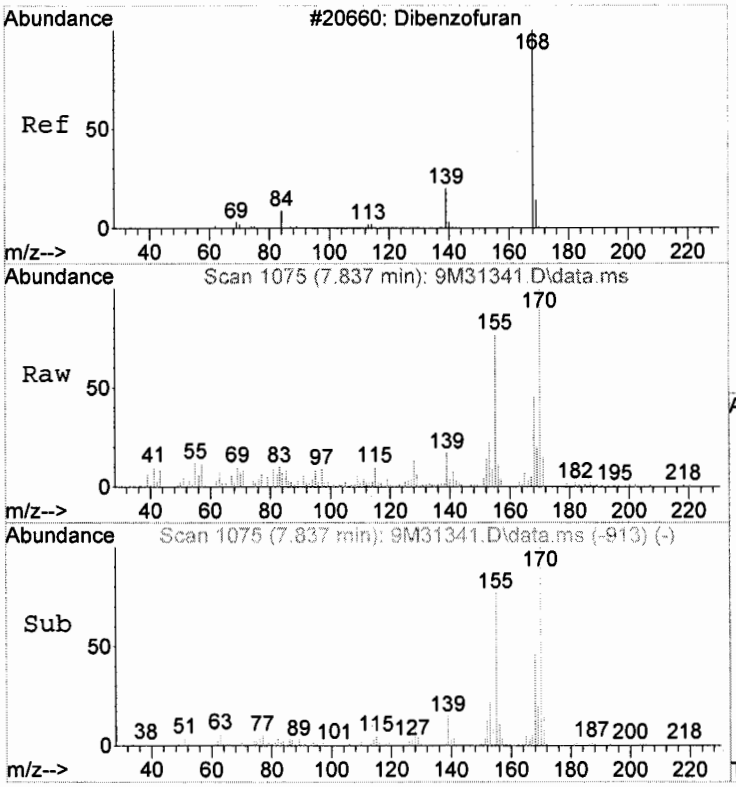


#62
Acenaphthene
Concen: 44.79 ng
RT: 7.687 min Scan# 1047
Delta R.T. -0.151 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:153 Resp: 191636

Ion	Ratio	Lower	Upper
153	100		
152	45.0	10.0	90.0
154	104.2	57.5	137.5

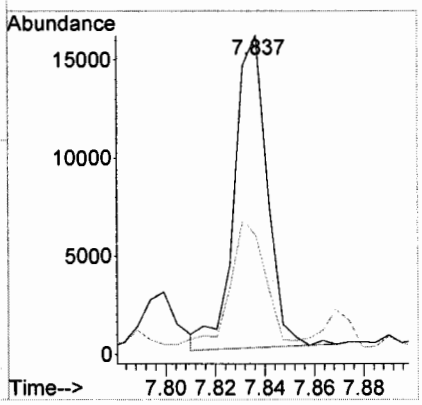


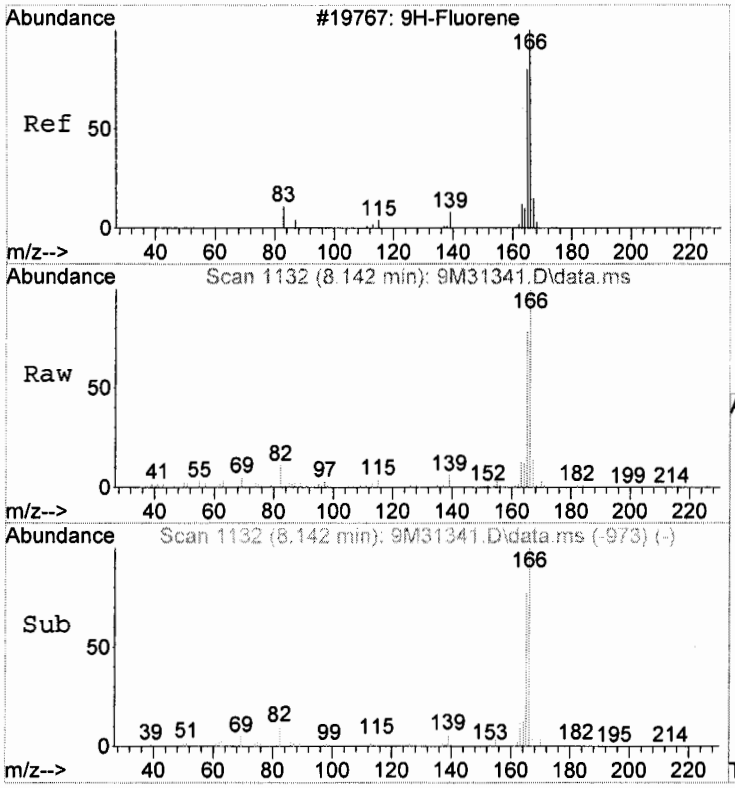


#65
Dibenzofuran
Concen: 2.30 ng
RT: 7.837 min Scan# 1075
Delta R.T. -0.151 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:168 Resp: 14703

Ion	Ratio	Lower	Upper
168	100		
139	33.3	0.0	246.0

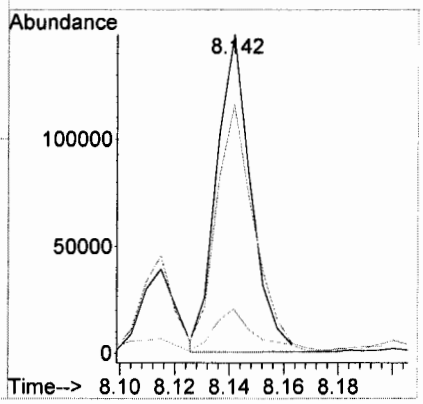


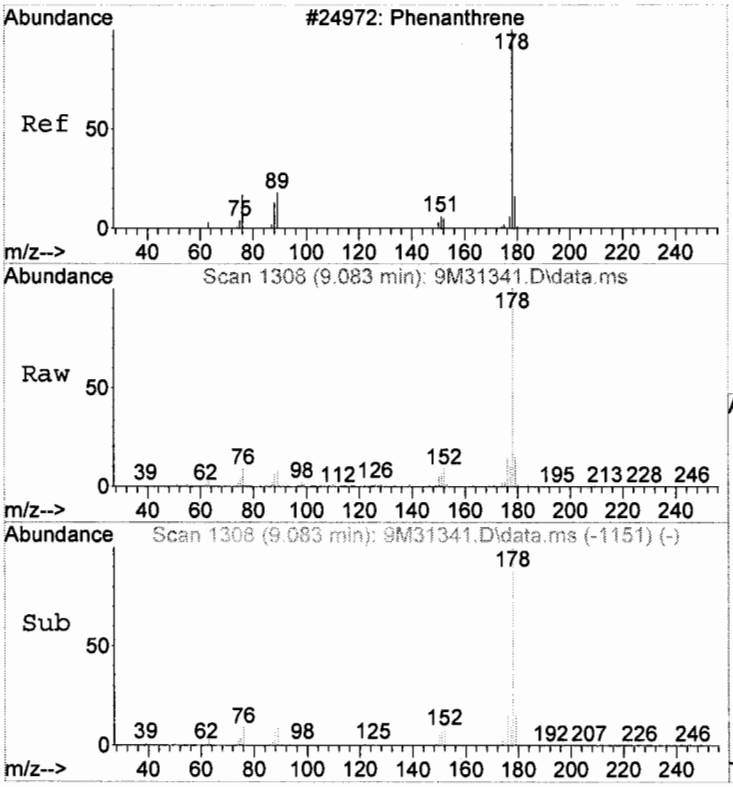


#69
Fluorene
Concen: 24.44 ng
RT: 8.142 min Scan# 1132
Delta R.T. -0.162 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:166 Resp: 129780

Ion	Ratio	Lower	Upper
166	100		
165	77.2	0.0	292.6
167	13.2	0.0	213.2

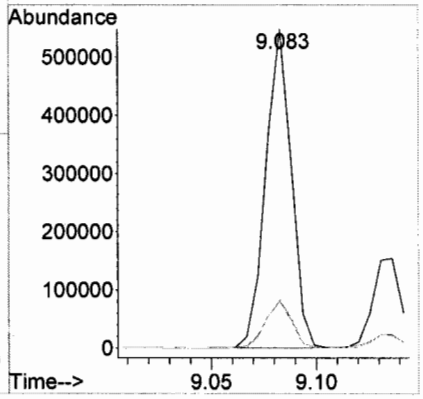


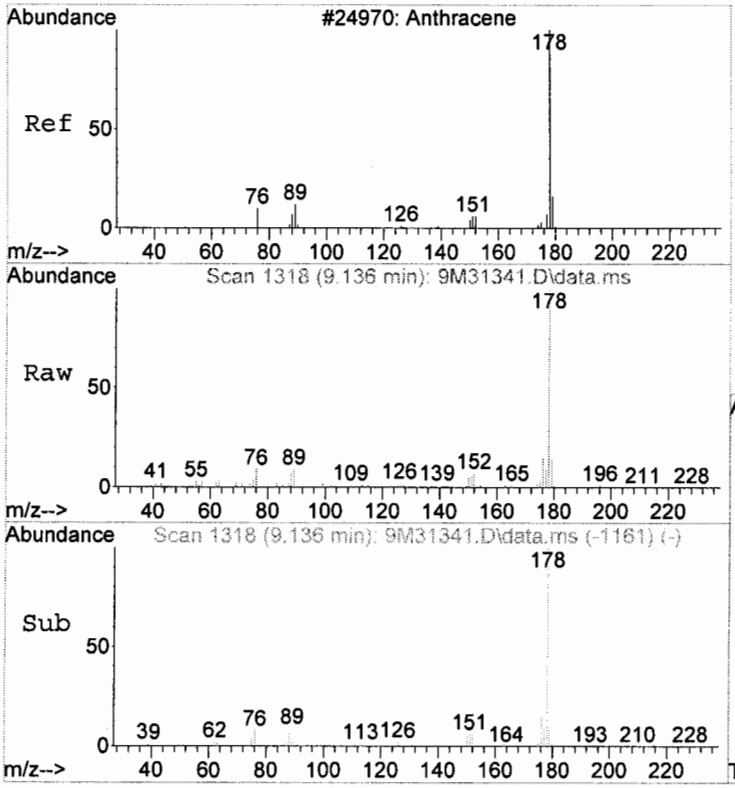


#83
Phenanthrene
Concen: 69.49 ng
RT: 9.083 min Scan# 1308
Delta R.T. -0.173 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:178 Resp: 465982

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	55.5
176	15.1	0.0	59.3

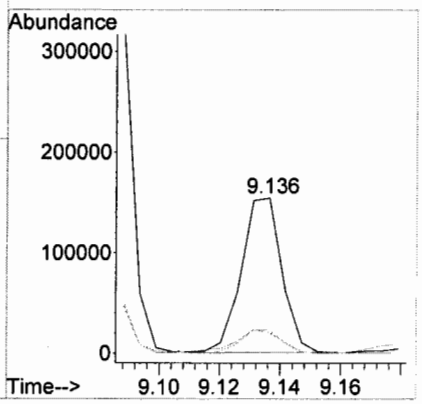


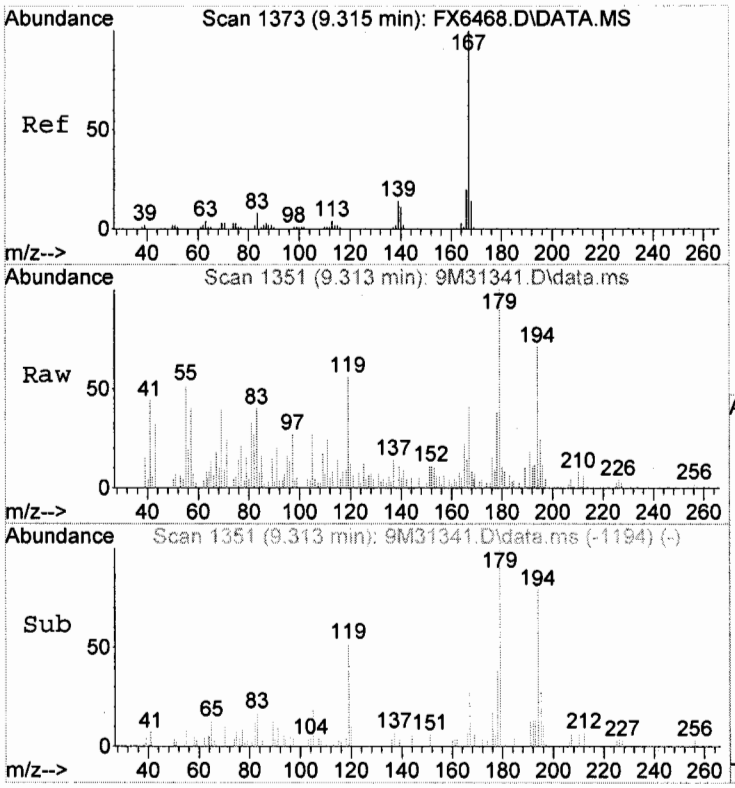


#84
Anthracene
Concen: 20.94 ng
RT: 9.136 min Scan# 1318
Delta R.T. -0.173 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:178 Resp: 143370

Ion	Ratio	Lower	Upper
178	100		
179	13.2	0.0	55.2
176	15.2	0.0	58.1

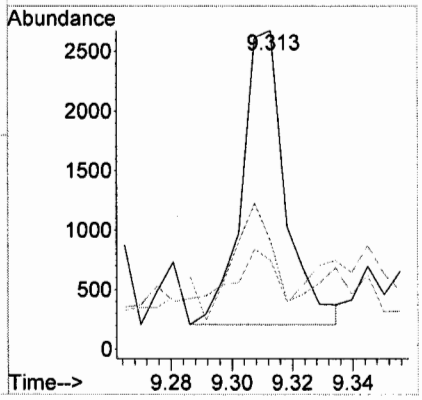


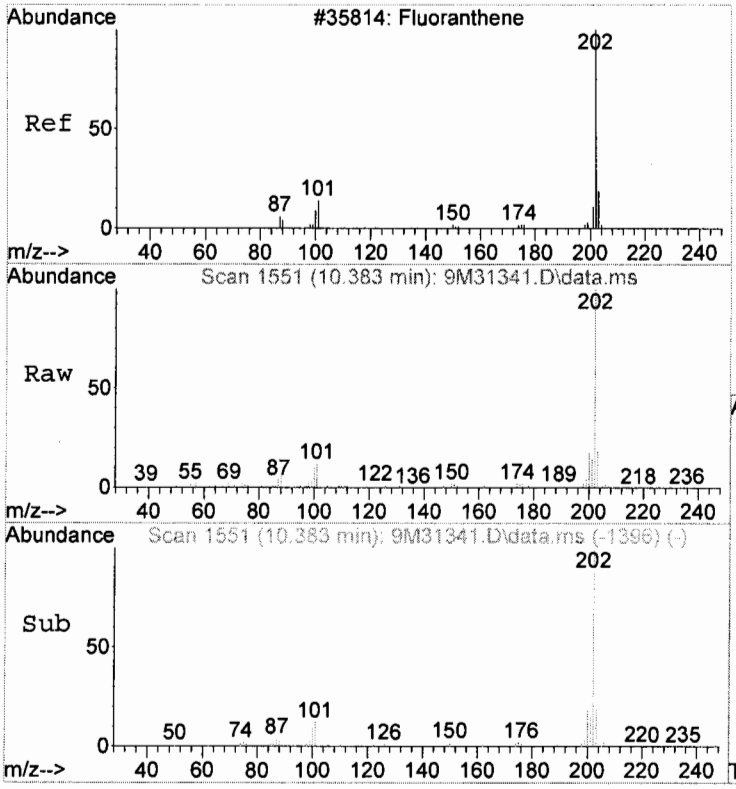


#85
Carbazole
Concen: 0.37 ng
RT: 9.313 min Scan# 1351
Delta R.T. -0.173 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:167 Resp: 2485

Ion	Ratio	Lower	Upper
167	100		
166	19.3	0.2	40.2
139	5.0	0.0	35.0

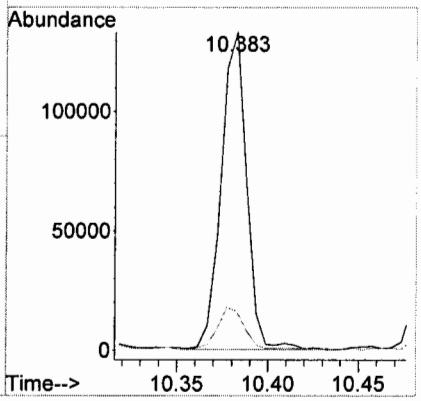


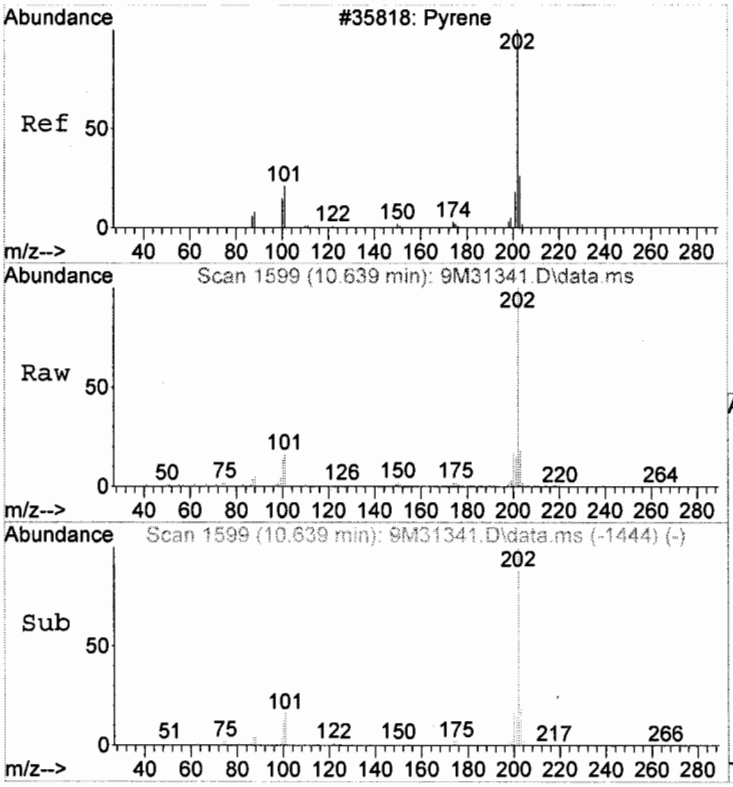


#87
Fluoranthene
Concen: 18.32 ng
RT: 10.383 min Scan# 1551
Delta R.T. -0.184 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:202 Resp: 128313

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	57.6

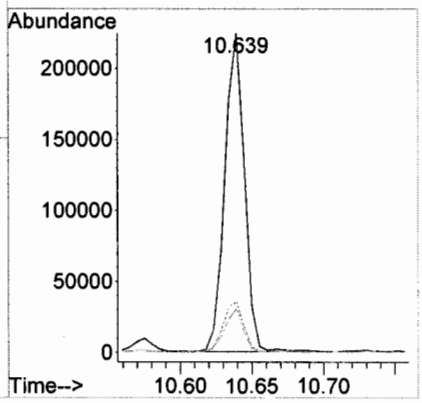


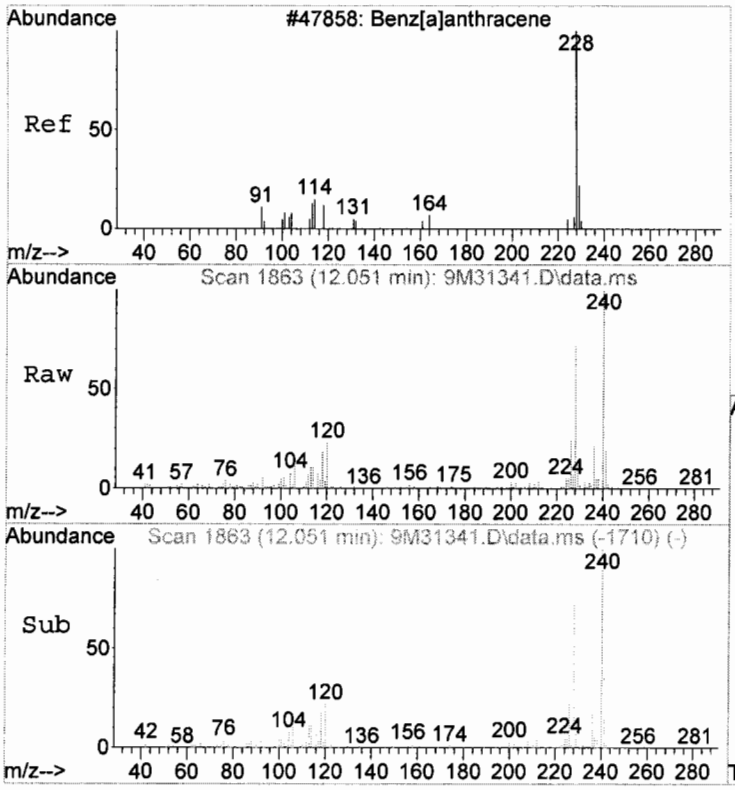


#89
Pyrene
Concen: 32.56 ng
RT: 10.639 min Scan# 1599
Delta R.T. -0.184 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:202 Resp: 216216

Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	62.2
100	13.7	0.0	57.8

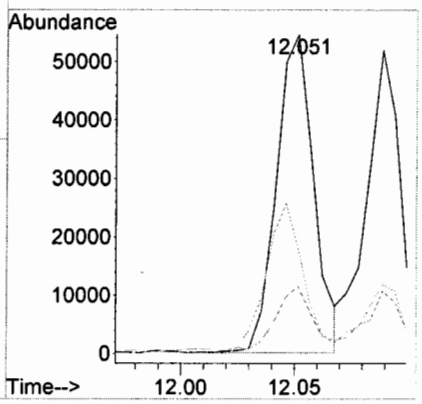


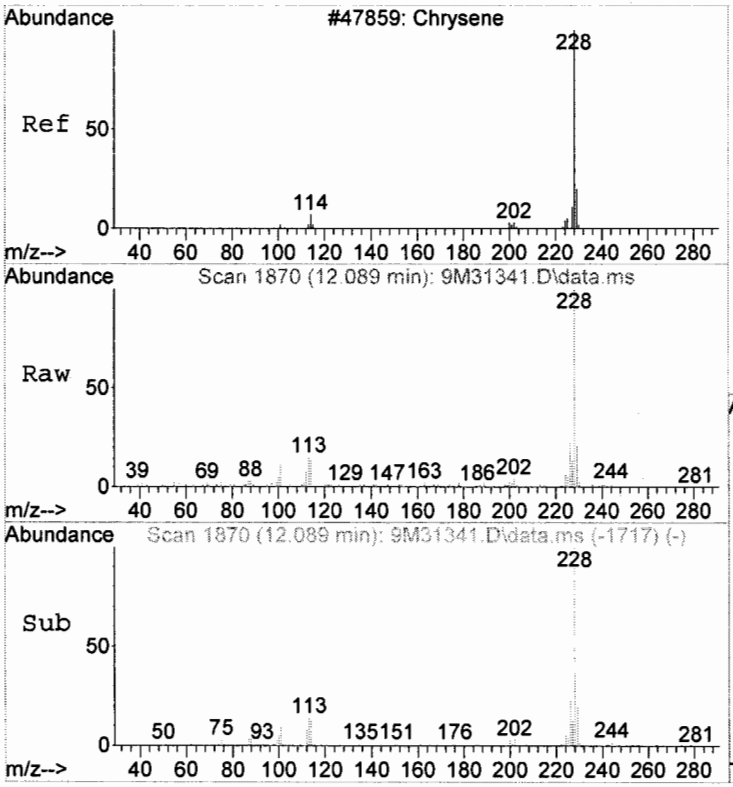


#97
Benzo[a]anthracene
Concen: 10.73 ng
RT: 12.051 min Scan# 1863
Delta R.T. -0.194 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:228 Resp: 62373

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	59.5
226	32.6	0.0	66.0

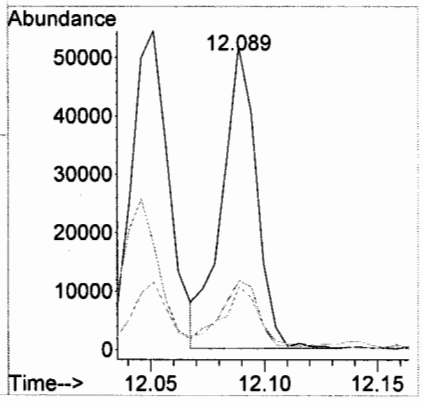


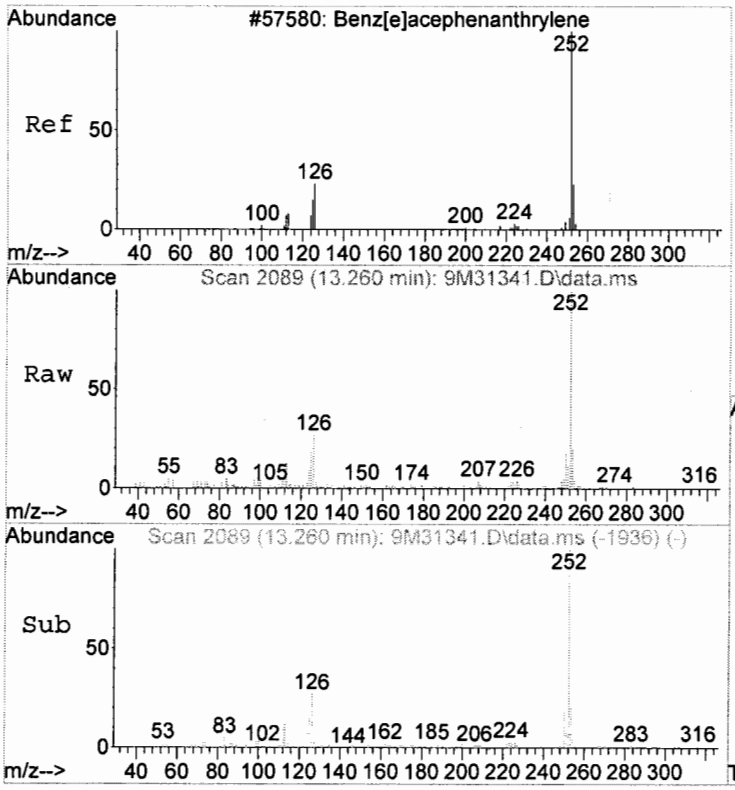


#98
Chrysene
Concen: 9.93 ng
RT: 12.089 min Scan# 1870
Delta R.T. -0.200 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:228 Resp: 54381

Ion	Ratio	Lower	Upper
228	100		
226	22.1	9.5	49.5
229	18.9	0.0	60.2

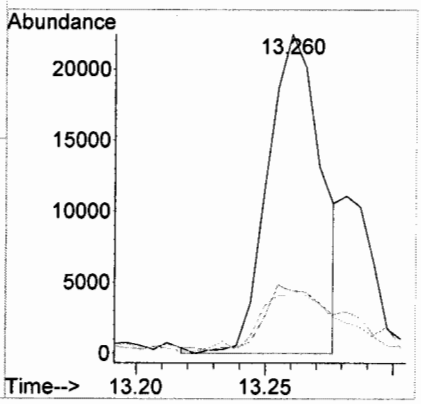


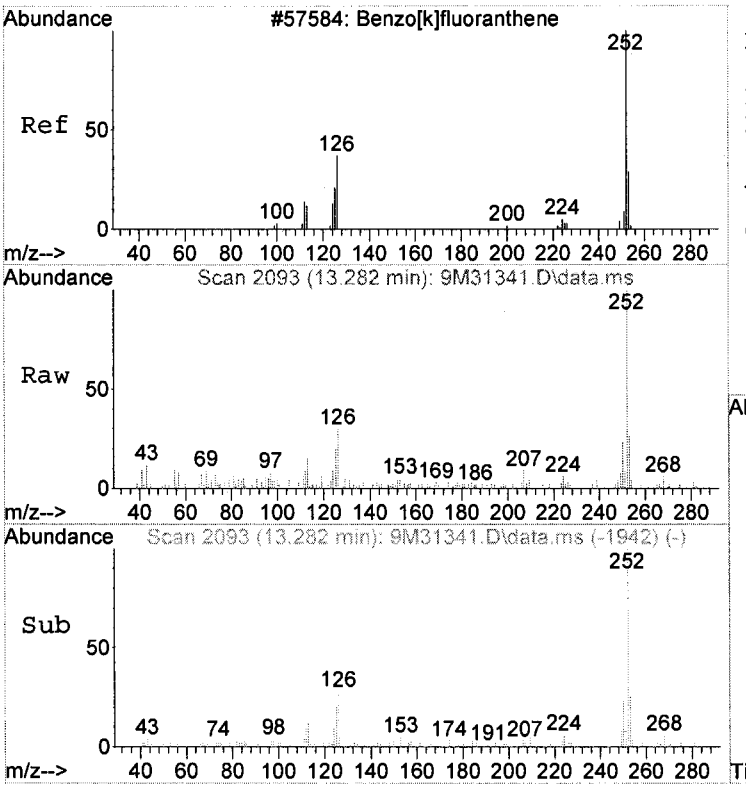


#102
Benzo[b]fluoranthene
Concen: 6.54 ng m
RT: 13.260 min Scan# 2089
Delta R.T. -0.194 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:252 Resp: 32505

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	62.3
125	18.5	0.0	58.4

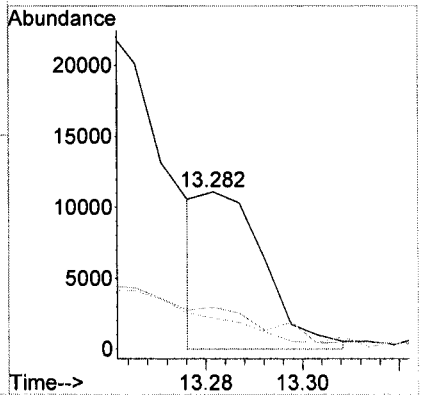


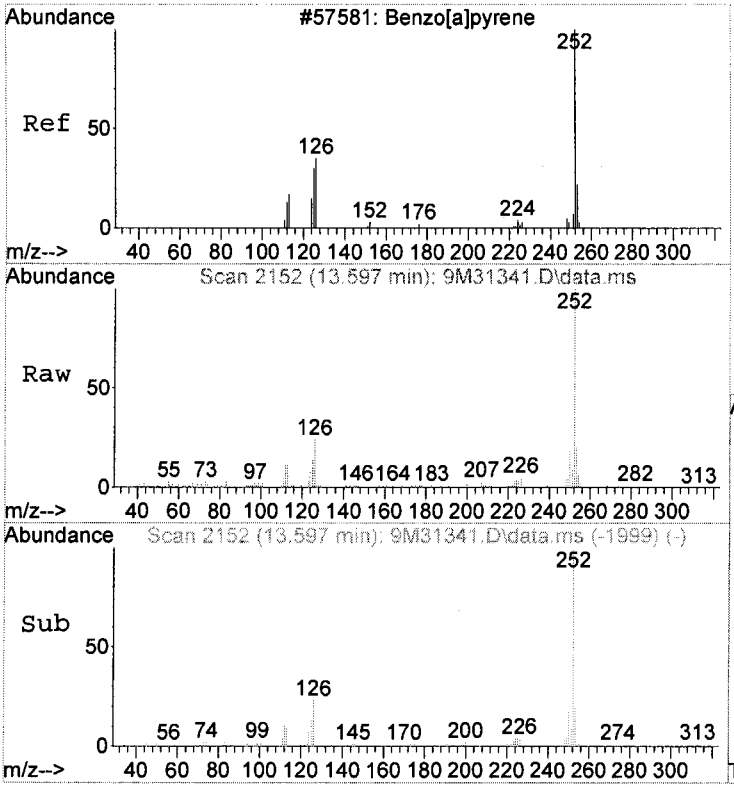


#103
Benzo[k]fluoranthene
Concen: 2.09 ng m
RT: 13.282 min Scan# 2093
Delta R.T. -0.205 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:252 Resp: 9960

Ion	Ratio	Lower	Upper
252	100		
253	26.5	0.0	62.2
125	19.6	0.0	58.9

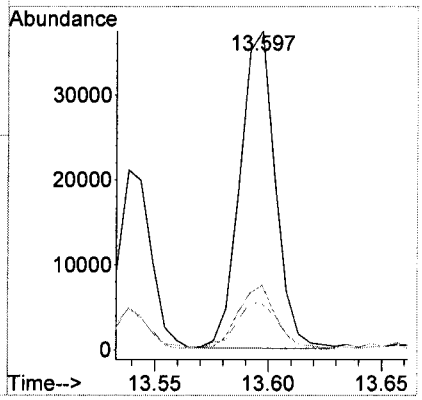


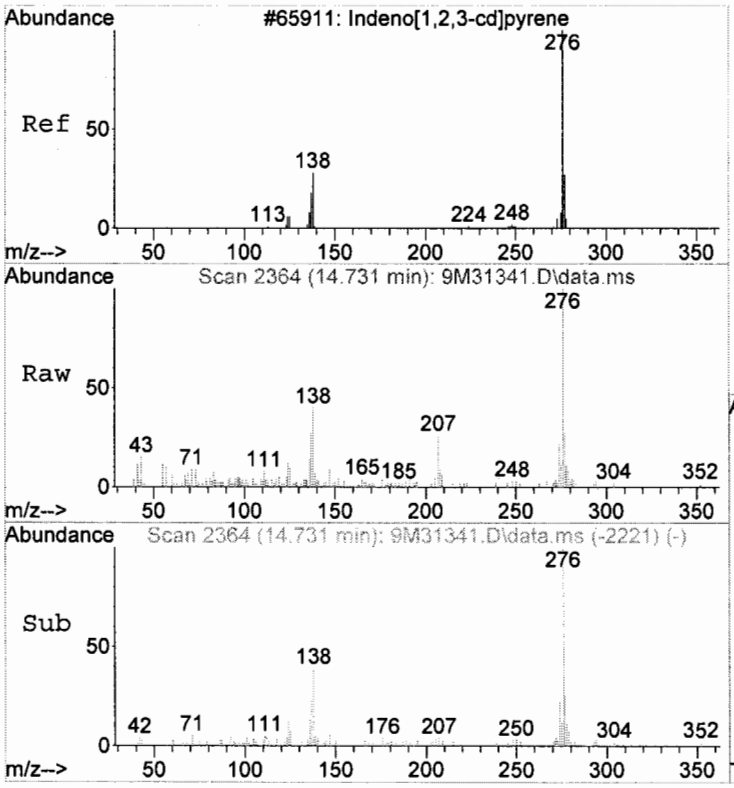


#104
Benzo[a]pyrene
Concen: 8.56 ng
RT: 13.597 min Scan# 2152
Delta R.T. -0.194 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:252 Resp: 40330

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	62.4
125	13.8	0.0	60.9

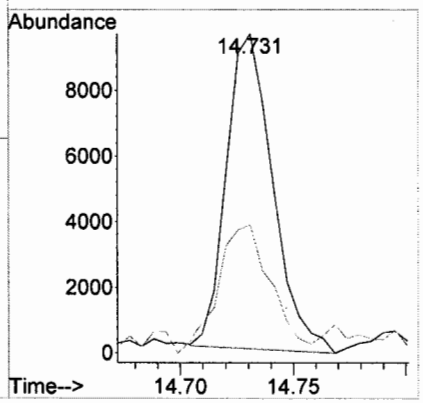


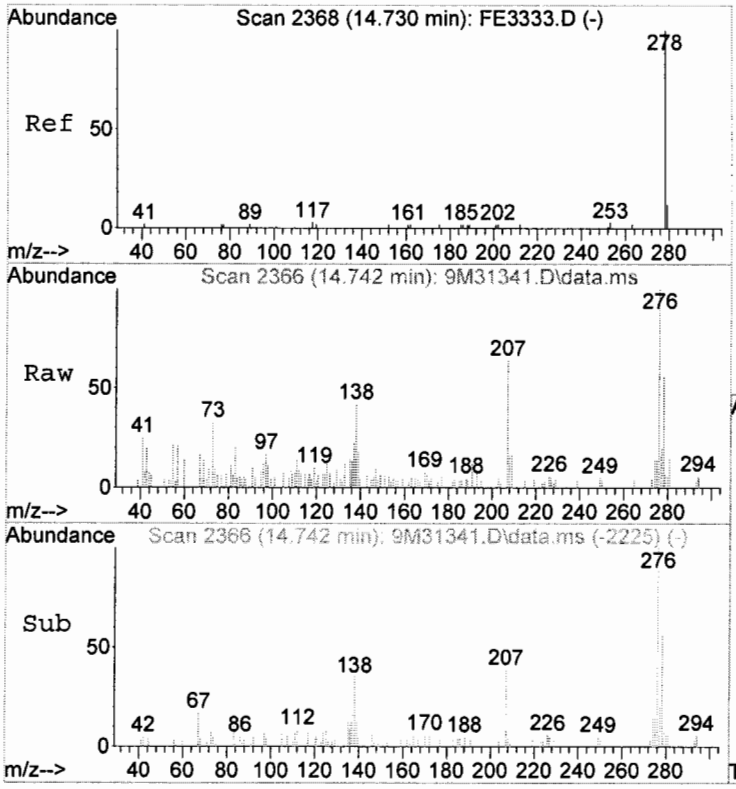


#105
Indeno[1,2,3-cd]pyrene
Concen: 2.99 ng m
RT: 14.731 min Scan# 2364
Delta R.T. -0.253 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:276 Resp: 13591

Ion	Ratio	Lower	Upper
276	100		
138	40.2	0.0	78.9

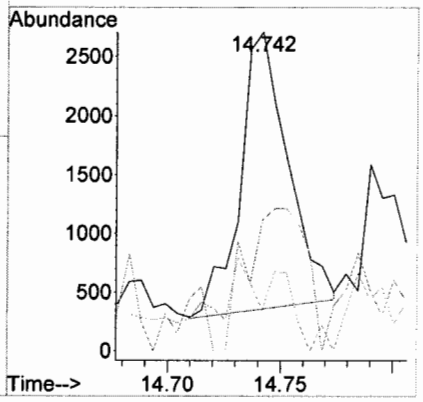


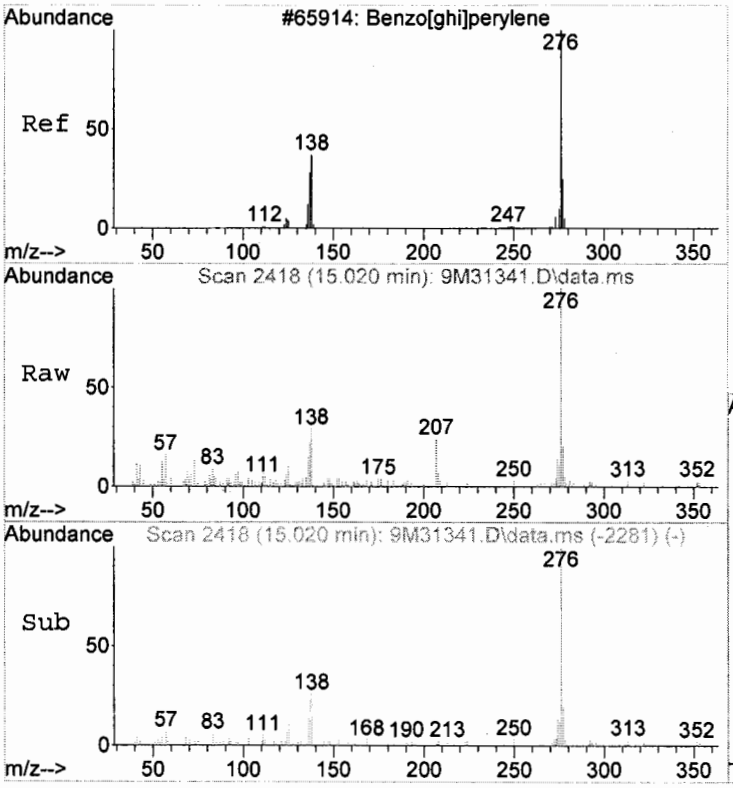


#106
Dibenzo[a,h]anthracene
Concen: 0.89 ng m
RT: 14.742 min Scan# 2366
Delta R.T. -0.264 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:278 Resp: 3470

Ion	Ratio	Lower	Upper
278	100		
139	31.8	0.0	72.0
279	12.9	0.0	63.9

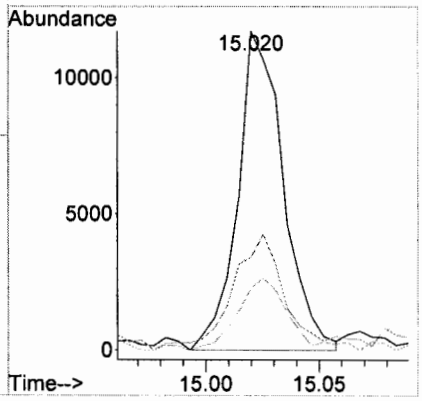




#107
Benzo[g,h,i]perylene
Concen: 4.22 ng
RT: 15.020 min Scan# 2418
Delta R.T. -0.280 min
Lab File: 9M31341.D
Acq: 29 Dec 2010 12:11

Tgt Ion:276 Resp: 16425

Ion	Ratio	Lower	Upper
276	100		
138	44.0	0.0	140.0
277	24.9	0.0	120.0



GC/MS Semi-Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0252

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M31001.	CAL BNA@50PPM	12/13/10 14:43	2	9M31000.	CAL BNA@2PPM	12/13/10 13:40
3	9M30998.	CAL BNA@10PPM	12/13/10 12:54	4	9M30997.	CAL BNA@20PPM	12/13/10 12:31
5	9M30995.	CAL BNA@80PPM	12/13/10 11:44	6	9M31002.	CAL BNA@120PPM	12/13/10 15:08
7	9M30993.	CAL BNA@160PPM	12/13/10 10:58	8	9M30992.	CAL BNA@196PPM	12/13/10 10:35
9	9M30999.	CAL BNA@0.5PPM	12/13/10 13:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	LinF	1.6093	0.7808	1.2510	1.2730	1.4936	1.4288	1.5010	1.5055	-----	1.36	2.40	0.999	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8662	0.6286	0.7885	0.8589	0.8647	0.8328	0.8220	0.8674	-----	0.816	2.35	0.999	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.5292	1.3164	1.2918	1.3021	1.4490	1.4703	1.4485	1.5112	1.4154	1.41	4.17	0.999	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzaldehyde	1	0	Avg	0.9840	0.9579	1.1877	1.1962	1.2269	0.8217	1.1183	0.9337	-----	1.05	5.03	0.979	0.981	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.4729	1.6068	1.7388	1.9415	2.3428	2.4089	2.4943	2.2848	-----	2.16	5.13	0.996	0.997	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4741	0.4309	0.4874	0.4916	0.4764	0.4358	0.4761	0.4258	-----	0.462	5.17	0.994	0.995	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3813	1.2065	1.4364	1.4014	1.4159	1.2763	1.4006	1.2646	-----	1.35	5.20	0.994	0.996	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.1303	1.7085	1.9967	2.0180	2.0533	1.9765	2.1253	1.9846	1.6817	1.96	5.12	0.998	0.998	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol	1	0	Avg	2.2575	2.0373	2.1322	2.1317	2.2103	2.1604	2.2726	2.0766	-----	2.16	5.13	0.996	0.997	3.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.6025	1.4736	1.5165	1.5319	1.5236	1.5228	1.5833	1.4758	-----	1.53	5.23	0.998	0.998	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.3911	1.2957	1.4951	1.5846	1.5636	1.2571	1.3280	1.1974	-----	1.39	5.28	0.990	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6539	1.4883	1.5171	1.5310	1.5722	1.4673	1.4803	1.4421	-----	1.52	5.36	0.998	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5934	1.5314	1.6084	1.5813	1.5571	1.4852	1.4993	1.4619	-----	1.54	5.43	0.999	1.00	3.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5338	1.5094	1.5125	1.5345	1.4795	1.3831	1.4515	1.3620	-----	1.47	5.55	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.1037	0.8493	0.9972	1.0428	1.0312	0.9985	1.0355	1.0097	-----	1.01	5.54	0.999	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	1.6302	1.6477	1.8038	1.8283	1.7944	1.4568	1.4888	1.4392	-----	1.64	5.66	0.992	0.996	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.6130	1.3870	1.5337	1.5498	1.4496	1.4438	1.4775	1.4557	1.6477	1.51	5.64	0.999	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0859	1.8623	2.1516	2.1938	2.1363	1.8818	1.8728	1.8510	-----	2.00	5.76	0.997	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5998	0.5696	0.6468	0.6430	0.6220	0.5552	0.5530	0.5338	-----	0.590	5.83	0.997	0.999	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.0954	1.1143	1.2602	1.2615	1.2289	0.9903	0.9809	0.9718	-----	1.11	5.76	0.991	0.995	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.6796	1.4930	1.5167	1.6601	1.5234	1.5151	1.5329	1.5194	1.3421	1.53	5.77	0.999	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1758	0.1529	0.1617	0.1876	0.1704	0.1805	0.1770	0.1689	-----	0.172	5.88	0.998	0.999	6.4		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3918	0.3613	0.4461	0.4407	0.4246	0.3648	0.3545	0.3475	-----	0.391	5.90	0.994	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7543	0.6453	0.7976	0.6914	0.7681	0.7111	0.6958	0.6687	-----	0.717	6.08	0.997	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2181	0.1620	0.1944	0.1990	0.1990	0.2140	0.2060	0.2017	-----	0.199	6.14	0.999	0.999	8.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3757	0.2953	0.3781	0.3673	0.3869	0.3619	0.3569	0.3454	0.4432	0.368	6.19	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2172	-----	0.1189	0.1552	0.2273	0.2598	0.2697	0.2718	-----	0.217	6.26	0.997	0.999	27		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4559	0.4276	0.4544	0.4226	0.4383	0.4337	0.4131	0.3997	-----	0.431	6.26	0.997	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3303	0.2408	0.2895	0.3098	0.2906	0.3116	0.3077	0.2968	-----	0.297	6.33	0.998	0.999	8.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3504	0.3095	0.3152	0.3157	0.3155	0.3165	0.3104	0.3037	-----	0.317	6.39	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1823	1.0896	1.1352	1.1005	1.0908	1.1215	1.0683	1.0293	1.3541	1.13	6.45	0.998	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4841	0.3209	0.3298	0.3673	0.3774	0.3862	0.3238	0.2739	-----	0.358	6.50	0.965	0.992	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1421	0.1456	0.1425	0.1373	0.1316	0.1359	0.1333	0.1306	-----	0.137	6.54	0.999	1.00	4.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1597	0.1202	0.1584	0.1463	0.1393	0.1543	0.1479	0.1264	-----	0.144	6.77	0.992	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3626	0.3019	0.3643	0.3260	0.3204	0.3413	0.3364	0.3220	-----	0.334	6.86	0.998	0.999	6.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.8180	0.7460	0.7411	0.7462	0.7129	0.7520	0.7281	0.6956	-----	0.743	6.97	0.997	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.8180	0.7460	0.7411	0.7462	0.7129	0.7520	0.7281	0.6956	-----	0.743	6.97	0.997	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	1.0115	1.0010	0.9837	0.9508	0.8796	0.9542	0.9227	0.8915	-----	0.949	7.33	0.998	0.998	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5148	0.4369	0.5063	0.5007	0.5072	0.4925	0.4862	0.4530	-----	0.487	7.10	0.996	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1459	-----	0.0780	0.1004	0.1587	0.1766	0.1850	0.1751	-----	0.146	7.08	0.997	0.998	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3523	0.2792	0.3217	0.3419	0.3251	0.3498	0.3401	0.3181	-----	0.329	7.19	0.996	0.998	7.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.85

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0253

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M31001.	CAL BNA@50PPM	12/13/10 14:43	2	9M31000.	CAL BNA@2PPM	12/13/10 13:40
3	9M30998.	CAL BNA@10PPM	12/13/10 12:54	4	9M30997.	CAL BNA@20PPM	12/13/10 12:31
5	9M30995.	CAL BNA@80PPM	12/13/10 11:44	6	9M31002.	CAL BNA@120PPM	12/13/10 15:08
7	9M30993.	CAL BNA@160PPM	12/13/10 10:58	8	9M30992.	CAL BNA@196PPM	12/13/10 10:35
9	9M30999.	CAL BNA@0.5PPM	12/13/10 13:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3823	0.2777	0.3359	0.3442	0.3500	0.3586	0.3597	0.3380	-----	0.343	7.22	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3202	1.0626	1.2767	1.2535	1.2216	1.2419	1.2222	1.1293	-----	1.22	7.25	0.996	0.999	6.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1531	1.0893	1.1606	1.1176	1.0938	1.0900	1.0717	0.9844	-----	1.10	7.35	0.995	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthaler	1	0	Avg	0.9732	0.9688	1.0309	0.9724	0.9560	0.9443	0.9292	0.8754	-----	0.956	7.62	0.997	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9732	0.9688	1.0309	0.9724	0.9560	0.9443	0.9292	0.8754	-----	0.956	7.62	0.997	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8752	0.7799	0.8553	0.8997	0.8452	0.8330	0.8299	0.7830	-----	0.838	7.42	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Qua	0.4447	0.3378	0.5339	0.3957	0.3961	0.4027	0.3191	0.3020	-----	0.392	7.43	0.965	0.994	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5258	0.4144	0.5154	0.5130	0.4860	0.4931	0.4844	0.4644	-----	0.487	7.61	0.998	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9202	1.9011	1.8544	1.8860	1.8260	1.8390	1.7912	1.6861	-----	1.84	7.69	0.997	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.2930	1.2029	1.2713	1.2098	1.1965	1.1985	1.1939	1.1236	-----	1.21	7.58	0.998	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2882	0.2241	0.2868	0.2873	0.2715	0.2798	0.2782	0.2572	-----	0.272	7.64	0.996	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1361	1.1012	1.0747	1.1228	1.0843	1.0954	1.0656	1.0107	-----	1.09	7.84	0.997	1.00	3.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3728	0.2844	0.3257	0.3429	0.3241	0.3251	0.2888	0.2686	-----	0.317	7.77	0.984	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1519	-----	0.0682	0.1219	0.1527	0.1687	0.1851	0.1775	-----	0.147	7.87	0.997	0.998	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6833	1.5721	1.6474	1.6761	1.5833	1.5758	1.5476	1.4566	1.8368	1.62	7.99	0.997	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4157	0.2704	0.3856	0.3606	0.3750	0.3786	0.3754	0.3556	-----	0.365	7.98	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2629	0.1928	0.2202	0.2372	0.2300	0.2522	0.2583	0.2443	-----	0.237	7.92	0.997	0.997	9.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2672	0.1690	0.2262	0.2489	0.2451	0.2547	0.2601	0.2442	-----	0.239	8.10	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4276	1.3033	1.4292	1.4003	1.3075	1.3518	1.3168	1.2524	-----	1.35	8.30	0.998	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.6123	0.5411	0.6038	0.5972	0.5844	0.5951	0.5835	0.5470	-----	0.583	8.30	0.997	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.2200	1.1663	1.2117	1.1891	1.1543	1.1933	1.1874	1.1049	-----	1.18	8.19	0.997	0.999	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4196	0.3479	0.3740	0.3954	0.3775	0.3991	0.3931	0.3584	-----	0.383	8.33	0.994	0.997	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3762	0.2859	0.3387	0.3500	0.3288	0.3483	0.3557	0.3338	-----	0.340	8.93	0.997	0.998	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1339	0.0302	0.0913	0.1065	0.1236	0.1372	0.1375	0.1352	-----	0.112	8.35	0.998	0.998	33		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7301	0.6502	0.7392	0.7368	0.6958	0.7302	0.6768	0.6628	-----	0.703	8.41	0.997	0.999	5.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0631	0.0517	0.0590	0.0633	0.0610	0.0648	0.0598	0.0598	-----	0.0604	8.53	0.998	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.8093	0.7218	0.8001	0.7644	0.7632	0.7800	0.7300	0.7063	-----	0.759	8.45	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1713	0.1503	0.1669	0.1724	0.1667	0.1718	0.1667	0.1607	-----	0.166	8.77	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1526	0.1494	0.1616	0.1515	0.1462	0.1536	0.1449	0.1429	-----	0.150	8.83	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Qua	0.4703	0.3636	0.4677	0.4687	0.4518	0.4745	0.4430	0.4309	-----	0.446	9.11	0.997	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0893	-----	0.0610	0.0674	0.0897	0.1019	0.1012	0.0992	-----	0.0872	9.03	0.995	0.997	19	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1454	1.1786	1.1467	1.1277	1.0884	1.1316	1.0816	1.0293	-----	1.12	9.26	0.997	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1676	1.1304	1.1807	1.1877	1.1314	1.1595	1.1006	1.0574	-----	1.14	9.31	0.997	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1535	1.0287	1.1615	1.1676	1.1103	1.1596	1.1130	1.0696	-----	1.12	9.49	0.998	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.2912	1.0662	1.2351	1.2706	1.2445	1.3104	1.2750	1.2267	-----	1.24	9.87	0.999	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2006	1.1347	1.1864	1.1650	1.1350	1.2015	1.1865	1.1180	-----	1.17	10.57	0.998	0.999	2.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3781	1.1584	1.3304	1.3165	1.3903	1.3900	1.3220	1.3017	-----	1.32	10.82	0.998	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	LinF	0.8018	0.2604	0.4178	0.4742	0.7265	0.7252	0.6910	0.6470	-----	0.593	10.74	0.991	0.993	32		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7752	0.6850	0.7702	0.7434	0.7672	0.7850	0.7416	0.7579	-----	0.753	11.02	1.00	1.00	4.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p,p'-DDE	1	0	Avg	0.1966	0.1535	0.2004	0.1865	0.1952	0.2041	0.1923	0.1882	-----	0.190	10.96	0.998	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDD	1	0	Avg	0.4473	0.4111	0.4279	0.4216	0.4445	0.4489	0.4320	0.4252	-----	0.432	11.36	0.999	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.85

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0254

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M31001.	CAL BNA@50PPM	12/13/10 14:43	2	9M31000.	CAL BNA@2PPM	12/13/10 13:40
3	9M30998.	CAL BNA@10PPM	12/13/10 12:54	4	9M30997.	CAL BNA@20PPM	12/13/10 12:31
5	9M30995.	CAL BNA@80PPM	12/13/10 11:44	6	9M31002.	CAL BNA@120PPM	12/13/10 15:08
7	9M30993.	CAL BNA@160PPM	12/13/10 10:58	8	9M30992.	CAL BNA@196PPM	12/13/10 10:35
9	9M30999.	CAL BNA@0.5PPM	12/13/10 13:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.6595	0.5559	0.6057	0.6079	0.6369	0.6625	0.6409	0.6409	-----	0.626	11.62	1.00	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	Avg	0.3658	0.2336	0.3442	0.3433	0.3668	0.3719	0.3602	0.3600	-----	0.343	11.71	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3455	0.2803	0.3198	0.3031	0.2884	0.3025	0.2572	0.2308	-----	0.291	12.23	0.971	0.996	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1966	1.1108	1.1730	1.1595	1.1761	1.1851	1.1470	1.1174	-----	1.16	12.25	0.999	1.00	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1140	1.1029	1.1117	1.1173	1.0923	1.0985	1.0586	1.0322	-----	1.09	12.29	0.999	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.8743	0.7135	0.8346	0.8175	0.8648	0.8748	0.8495	0.8406	-----	0.834	12.32	1.00	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.9325	1.3864	1.6971	1.7316	1.8802	1.9780	1.9416	1.9405	-----	1.81	13.07	1.00	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2825	1.0581	1.1511	1.1488	1.1846	1.2110	1.2560	1.2197	-----	1.19	13.45	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1770	1.0530	1.1468	1.1655	1.2092	1.1862	1.1179	1.0578	-----	1.14	13.49	0.995	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1976	1.0267	1.1027	1.1272	1.1610	1.1575	1.1439	1.0963	-----	1.13	13.79	0.999	1.00	4.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.1604	1.0735	1.1199	1.0868	1.1075	1.0921	1.0635	0.9927	-----	1.09	14.98	0.996	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9973	0.9459	0.9430	0.9563	0.9233	0.9382	0.8923	0.8355	-----	0.929	15.01	0.995	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9784	0.9928	0.9501	0.9373	0.9164	0.9372	0.8939	0.8301	-----	0.930	15.30	0.995	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.85

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31001.D Sam Mult : 1 Vial# : 2 Qt On : 12/13/10 15:05
Acq On : 12/13/10 14:43 Misc : A,BNA Qt Upd On: 12/13/10 14:48

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	49144	40.00	ng	0.00
29) Naphthalene-d8	6.437	136	190376	40.00	ng	0.00
47) Acenaphthene-d10	7.812	164	118341	40.00	ng	0.00
74) Phenanthrene-d10	9.229	188	206585	40.00	ng	0.00
88) Chrysene-d12	12.256	240	186095	40.00	ng	0.00
100) Perylene-d12	13.850	264	155032	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	93940	54.25	ng	0.00
Spiked Amount 100.000			Recovery = 54.25%			
15) Phenol-d5	5.116	99	130865	53.67	ng	0.00
Spiked Amount 100.000			Recovery = 53.67%			
30) Nitrobenzene-d5	5.881	128	20927	25.32	ng	0.00
Spiked Amount 50.000			Recovery = 50.64%			
52) 2-Fluorobiphenyl	7.250	172	97653	27.60	ng	0.00
Spiked Amount 50.000			Recovery = 55.20%			
77) 2,4,6-Tribromophenol	8.528	330	16298	51.85	ng	0.00
Spiked Amount 100.000			Recovery = 51.85%			
91) Terphenyl-d14	11.021	244	90171	25.60	ng	0.00
Spiked Amount 50.000			Recovery = 51.20%			
Target Compounds						Qvalue
8) Pyridine	2.399	79	98865	53.27	ng	67
9) N-Nitrosodimethylamine	2.345	74	53213	52.39	ng	72
11) Benzaldehyde	5.030	77	60452	43.07	ng	64
12) Aniline	5.132	93	151915	51.77	ng	25
13) Pentachloroethane	5.169	117	29124	50.26	ng	87
14) bis(2-Chloroethyl)ether	5.201	93	84853	50.27	ng	77
16) Phenol	5.127	94	138684	51.36	ng	88
17) 2-Chlorophenol	5.234	128	98442	52.26	ng	76
18) N-Decane	5.282	57	85460	47.66	ng	84
19) 1,3-Dichlorobenzene	5.362	146	101604	54.42	ng	98
20) 1,4-Dichlorobenzene	5.431	146	97886	51.22	ng	98
21) 1,2-Dichlorobenzene	5.554	146	94225	51.69	ng	97
22) Benzyl alcohol	5.544	108	67801	54.06	ng	64
23) bis(2-chloroisopropyl)...	5.656	45	100145	47.46	ng	83
24) 2-Methylphenol	5.640	108	99092	53.52	ng	86
25) Acetophenone	5.758	105	128142	50.53	ng	59
26) Hexachloroethane	5.833	117	36846	49.32	ng	84
27) N-Nitroso-di-n-propyla...	5.763	70	67294	46.41	ng	69
28) 3&4-Methylphenol	5.768	108	103179	54.57	ng	90
31) Nitrobenzene	5.897	77	93246	47.51	ng	75
32) Isophorone	6.084	82	179502	50.63	ng	87
33) 2-Nitrophenol	6.143	139	51920	55.07	ng	89
34) 2,4-Dimethylphenol	6.186	107	89422	50.62	ng	82
35) Benzoic Acid	6.261	105	51689m	43.57	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	108505	52.26	ng	98
37) 2,4-Dichlorophenol	6.330	162	78624	56.22	ng	90
38) 1,2,4-Trichlorobenzene	6.394	180	83389	55.69	ng	96
39) Naphthalene	6.453	128	281371	52.42	ng	100
40) 4-Chloroaniline	6.496	127	115219	70.06	ng	99
41) Hexachlorobutadiene	6.539	225	33817	51.09	ng	95
42) Caprolactam	6.774	113	38019	55.32	ng	60
43) 4-Chloro-3-methylphenol	6.860	107	86299	52.68	ng	76
44) 2-Methylnaphthalene	6.972	142	194667	55.77	ng	93
45) Methylnaphthalenes (To...	6.972	142	194667	55.77	ng	93
46) 1,1'-Biphenyl	7.330	154	240718	53.53	ng	94
48) 1,2,4,5-Tetrachloroben...	7.100	216	76165	51.99	ng	97
49) Hexachlorocyclopentadiene	7.084	237	21595	40.49	ng	93
50) 2,4,6-Trichlorophenol	7.191	196	52118	53.32	ng	96
51) 2,4,5-Trichlorophenol	7.223	196	56562	55.56	ng	95
53) 2-Chloronaphthalene	7.352	162	170581	52.18	ng	91
54) 1,4-Dimethylnaphthalene	7.619	156	143966	50.43	ng	80
55) Dimethylnaphthalenes (...	7.619	156	143966	50.43	ng	80
56) Diphenyl Ether	7.416	170	129478	51.81	ng	72
57) 2-Nitroaniline	7.432	65	65796	48.95	ng	57
58) Coumarin	7.608	146	77786	53.49	ng	71
59) Acenaphthylene	7.694	152	284049	51.39	ng	99
60) Dimethylphthalate	7.576	163	191274	52.00	ng	98
61) 2,6-Dinitrotoluene	7.635	165	42638	51.60	ng	54
62) Acenaphthene	7.838	153	168070	50.98	ng	93
63) 3-Nitroaniline	7.774	138	55150	59.31	ng	83
64) 2,4-Dinitrophenol	7.870	184	22471	43.76	ng	88
65) Dibenzofuran	7.988	168	249007	51.48	ng	79

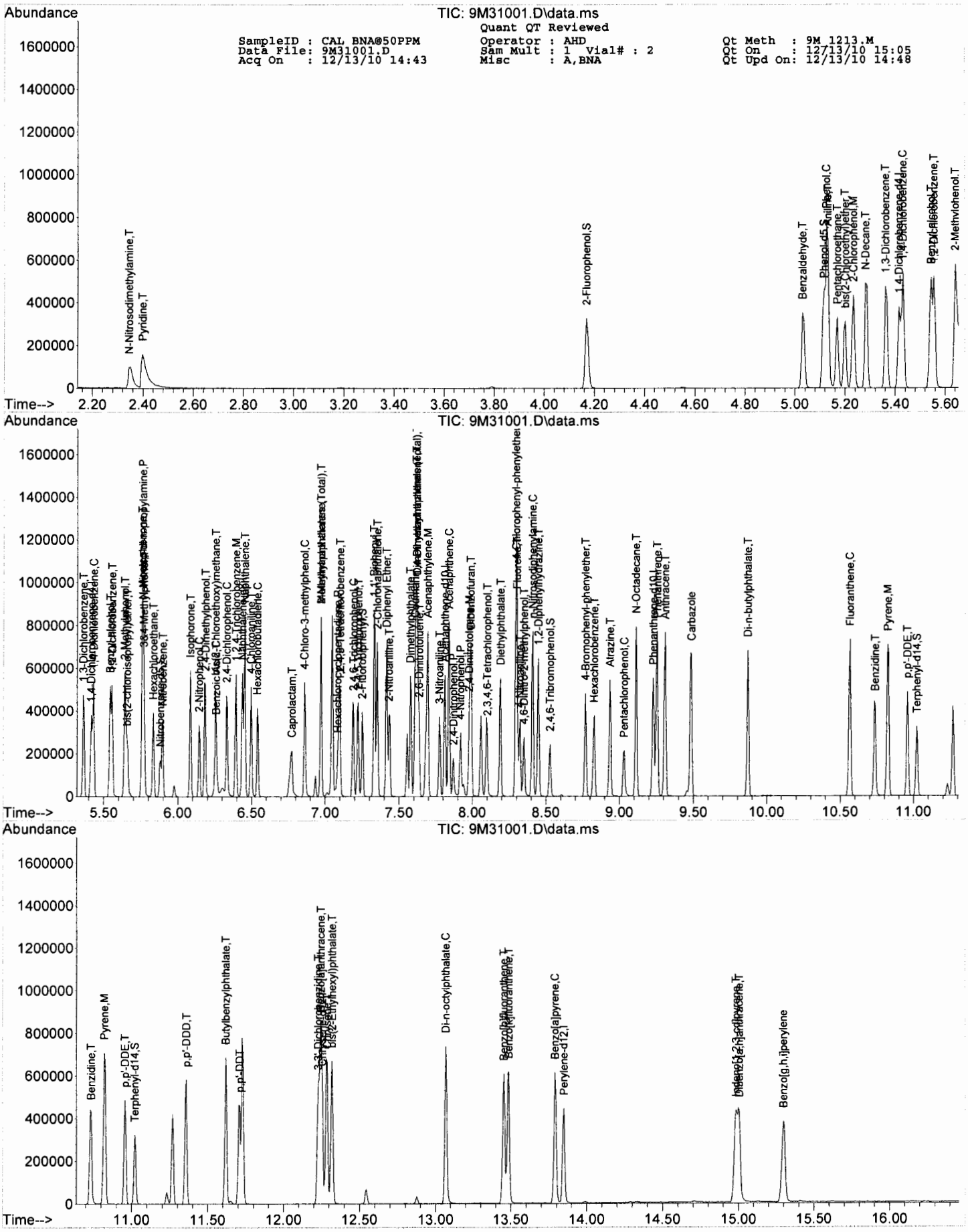
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31001.D Sam Mult : 1 Vial# : 2 Qt On : 12/13/10 15:05
Acq On : 12/13/10 14:43 Misc : A,BNA Qt Upd On: 12/13/10 14:48

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.977	165	61495	55.57 ng	72
67)	4-Nitrophenol	7.919	65	38895	38.53 ng	82
68)	2,3,4,6-Tetrachlorophenol	8.100	232	39532	55.27 ng	84
69)	Fluorene	8.304	166	211180	52.13 ng	91
70)	4-Chlorophenyl-phenyle...	8.298	204	90575	52.05 ng	80
71)	Diethylphthalate	8.191	149	180478	49.68 ng	95
72)	4-Nitroaniline	8.325	138	62073	54.65 ng	77
73)	Atrazine	8.935	200	55656	54.23 ng	94
75)	4,6-Dinitro-2-methylph...	8.352	198	34589	50.02 ng	61
76)	n-Nitrosodiphenylamine	8.411	169	188559	52.08 ng	91
78)	1,2-Diphenylhydrazine	8.448	77	209002	43.80 ng	83
79)	4-Bromophenyl-phenylether	8.769	248	44235	51.28 ng	94
80)	Hexachlorobenzene	8.828	284	39408	49.94 ng	72
81)	N-Octadecane	9.111	57	121455	39.02 ng	77
82)	Pentachlorophenol	9.031	266	23079	49.36 ng	98
83)	Phenanthrene	9.256	178	295794	51.11 ng	94
84)	Anthracene	9.309	178	301523	50.90 ng	96
85)	Carbazole	9.486	167	297884	51.27 ng	95
86)	Di-n-butylphthalate	9.871	149	333440	50.52 ng	97
87)	Fluoranthene	10.566	202	310043	51.00 ng	93
89)	Pyrene	10.823	202	320573	52.20 ng	91
90)	Benzidine	10.737	184	186518	58.78 ng	84
92)	p,p'-DDE	10.957	246	45743	50.98 ng	96
93)	p,p'-DDD	11.358	235	104065	51.57 ng	90
94)	Butylbenzylphthalate	11.620	149	153411	51.76 ng	76
95)	p,p'-DDT	11.711	235	85114	53.17 ng	97
96)	3,3'-Dichlorobenzidine	12.230	252	80369	60.87 ng	97
97)	Benzo[a]anthracene	12.246	228	278364	51.52 ng	94
98)	Chrysene	12.288	228	259139	50.96 ng	94
99)	bis(2-Ethylhexyl)phtha...	12.321	149	203378	51.73 ng	94
101)	Di-n-octylphthalate	13.069	149	374513	52.88 ng	99
102)	Benzo[b]fluoranthene	13.454	252	248545	54.20 ng	96
103)	Benzo[k]fluoranthene	13.487	252	228104	51.29 ng	93
104)	Benzo[a]pyrene	13.791	252	232101	53.07 ng	96
105)	Indeno[1,2,3-cd]pyrene	14.984	276	224881	53.35 ng	100
106)	Dibenzo[a,h]anthracene	15.006	278	193273	53.81 ng	95
107)	Benzo[g,h,i]perylene	15.300	276	189604	52.69 ng	97

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


Abundance
TIC: 9M31001.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M31001.D
Acq On : 12/13/10 14:43
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 15:05
Qt Upd On: 12/13/10 14:48
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,C
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
2-Methylphenol,T
Time-->

Abundance
TIC: 9M31001.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl alcohol,T
bis(2-chloroisopropyl)ether,T
2-Methylphenol,T
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,S
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Diphenyl Ether,T
Dimethylphthalate,T
2,6-Dinitrotoluene,C
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,M
2,4-Dinitrotoluene,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
4-Nitroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M31001.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31000.D Sam Mult : 1 Vial# : 11 Qt On : 12/13/10 14:03
Acq On : 12/13/10 13:40 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
7) 1,4-Dichlorobenzene-d4	5.416	152	46414	40.00	ng		-0.05
29) Naphthalene-d8	6.432	136	187462	40.00	ng		-0.05
47) Acenaphthene-d10	7.806	164	116162	40.00	ng		-0.05
74) Phenanthrene-d10	9.224	188	191632	40.00	ng		-0.06
88) Chrysene-d12	12.246	240	183519	40.00	ng		-0.06
100) Perylene-d12	13.845	264	161703	40.00	ng		-0.06
System Monitoring Compounds							
10) 2-Fluorophenol	4.175	112	3055m	2.03	ng		-0.04
Spiked Amount 100.000			Recovery = 2.03%				
15) Phenol-d5	5.116	99	3965	1.83	ng		-0.04
Spiked Amount 100.000			Recovery = 1.83%				
30) Nitrobenzene-d5	5.876	128	717	0.90	ng		-0.05
Spiked Amount 50.000			Recovery = 1.80%				
52) 2-Fluorobiphenyl	7.250	172	3086	0.87	ng		-0.05
Spiked Amount 50.000			Recovery = 1.74%				
77) 2,4,6-Tribromophenol	8.523	330	496	1.84	ng		-0.06
Spiked Amount 100.000			Recovery = 1.84%				
91) Terphenyl-d14	11.016	244	3143	0.94	ng		-0.06
Spiked Amount 50.000			Recovery = 1.88%				
Target Compounds							Qvalue
8) Pyridine	2.479	79	1812	1.15	ng		49
9) N-Nitrosodimethylamine	2.378	74	1459	1.58	ng		98
11) Benzaldehyde	5.031	77	2223	2.44	ng		90
12) Aniline	5.132	93	3729	1.52	ng		15
13) Pentachloroethane	5.164	117	1000	1.84	ng		86
14) bis(2-Chloroethyl)ether	5.196	93	2800	1.82	ng		87
16) Phenol	5.127	94	4728	1.97	ng		88
17) 2-Chlorophenol	5.234	128	3420	2.12	ng		74
18) N-Decane	5.282	57	3007	1.83	ng		64
19) 1,3-Dichlorobenzene	5.362	146	3454	1.99	ng		94
20) 1,4-Dichlorobenzene	5.432	146	3554	2.01	ng		94
21) 1,2-Dichlorobenzene	5.555	146	3503	2.11	ng		89
22) Benzyl alcohol	5.544	108	1971m	1.70	ng		
23) bis(2-chloroisopropyl)...	5.651	45	3824	2.09	ng		73
24) 2-Methylphenol	5.640	108	3219	2.09	ng		92
25) Acetophenone	5.753	105	4322	1.90	ng		58
26) Hexachloroethane	5.833	117	1322	2.01	ng		75
27) N-Nitroso-di-n-propyla...	5.758	70	2586	2.12	ng		67
28) 3&4-Methylphenol	5.769	108	3465	2.03	ng		76
31) Nitrobenzene	5.892	77	3387	1.88	ng		85
32) Isophorone	6.079	82	6049	1.75	ng		89
33) 2-Nitrophenol	6.143	139	1519	1.68	ng		82
34) 2,4-Dimethylphenol	6.180	107	2768	1.69	ng		82
35) Benzoic Acid	0.000		0	N.D.	d		
36) bis(2-Chloroethoxy)met...	6.255	93	4008	2.06	ng		94
37) 2,4-Dichlorophenol	6.330	162	2257	1.61	ng		89
38) 1,2,4-Trichlorobenzene	6.389	180	2901	1.97	ng		92
39) Naphthalene	6.448	128	10213	2.05	ng		99
40) 4-Chloroaniline	6.496	127	3008	1.78	ng		85
41) Hexachlorobutadiene	6.539	225	1365	2.13	ng		79
42) Caprolactam	6.737	113	1127	1.75	ng		86
43) 4-Chloro-3-methylphenol	6.854	107	2830	1.88	ng		68
44) 2-Methylnaphthalene	6.967	142	6993	2.08	ng		84
45) Methylnaphthalenes (To...	6.967	142	6993	2.08	ng		84
46) 1,1'-Biphenyl	7.330	154	9383	2.13	ng		90
48) 1,2,4,5-Tetrachloroben...	7.095	216	2538	1.78	ng		82
49) Hexachlorocyclopentadiene	7.084	237	54	0.11	ng	#	35
50) 2,4,6-Trichlorophenol	7.186	196	1622	1.75	ng		85
51) 2,4,5-Trichlorophenol	7.218	196	1613	1.62	ng		89
53) 2-Chloronaphthalene	7.346	162	6327	2.02	ng		98
54) 1,4-Dimethylnaphthalene	7.614	156	5627	2.03	ng		94
55) Dimethylnaphthalenes (...	7.614	156	5627	2.03	ng		94
56) Diphenyl Ether	7.416	170	4530	1.87	ng		62
57) 2-Nitroaniline	7.432	65	1962	1.62	ng		58
58) Coumarin	7.603	146	2407	1.69	ng		86
59) Acenaphthylene	7.689	152	11042	2.08	ng		99
60) Dimethylphthalate	7.571	163	6987	1.97	ng		93
61) 2,6-Dinitrotoluene	7.625	165	1302	1.63	ng		72
62) Acenaphthene	7.833	153	6396	2.01	ng		90
63) 3-Nitroaniline	7.769	138	1652	1.79	ng		67
64) 2,4-Dinitrophenol	0.000		0	N.D.			
65) Dibenzofuran	7.983	168	9131	1.98	ng		82

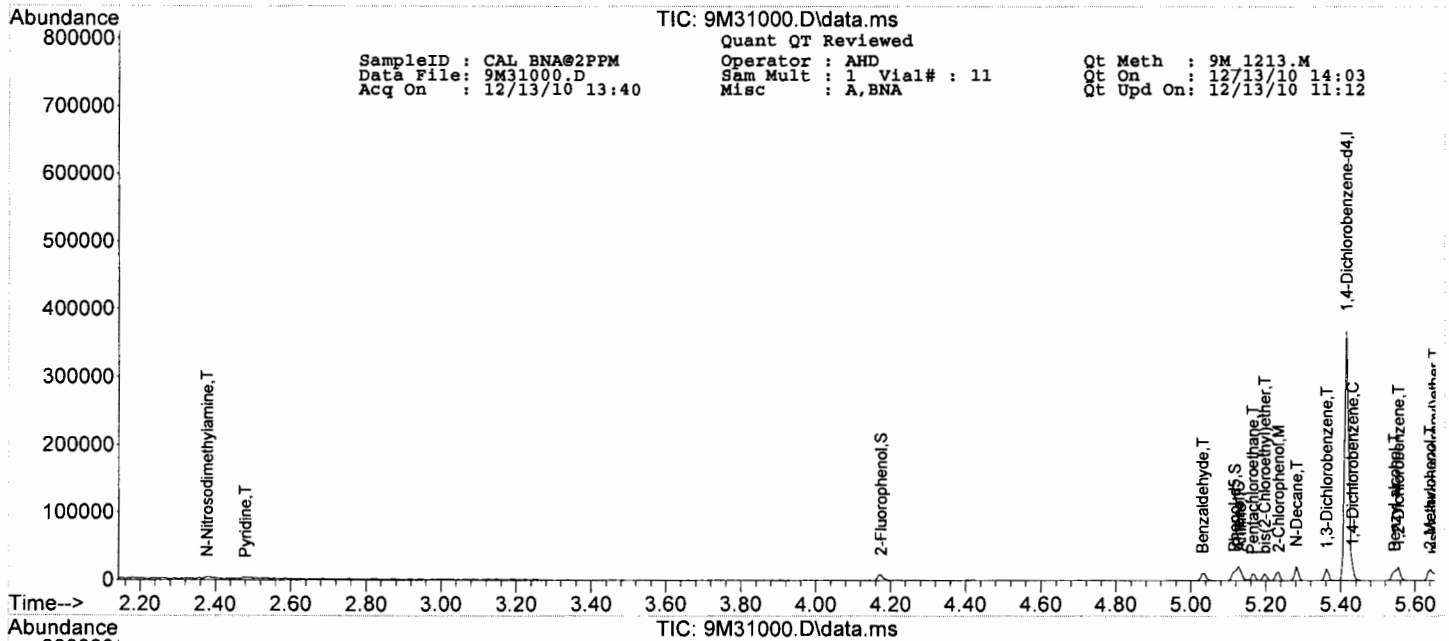
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31000.D Sam Mult : 1 Vial# : 11 Qt On : 12/13/10 14:03
Acq On : 12/13/10 13:40 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66)	2,4-Dinitrotoluene	7.972	165	1571	1.47	ng		83
67)	4-Nitrophenol	7.919	65	1120	1.56	ng		72
68)	2,3,4,6-Tetrachlorophenol	8.095	232	982	1.44	ng		85
69)	Fluorene	8.293	166	7570	1.96	ng		94
70)	4-Chlorophenyl-phenyle...	8.293	204	3143	1.85	ng		84
71)	Diethylphthalate	8.181	149	6774	1.91	ng		96
72)	4-Nitroaniline	8.315	138	2021	1.87	ng		74
73)	Atrazine	8.930	200	1661	1.67	ng		76
75)	4,6-Dinitro-2-methylph...	8.352	198	290	0.51	ng		45
76)	n-Nitrosodiphenylamine	8.406	169	6230	1.90	ng		92
78)	1,2-Diphenylhydrazine	8.443	77	6916	1.97	ng		80
79)	4-Bromophenyl-phenylether	8.764	248	1441	1.85	ng		88
80)	Hexachlorobenzene	8.823	284	1432	2.02	ng		87
81)	N-Octadecane	9.106	57	3484	1.71	ng		62
82)	Pentachlorophenol	9.026	266	205	0.53	ng	#	20
83)	Phenanthrene	9.251	178	11293	2.15	ng		89
84)	Anthracene	9.304	178	10831	2.01	ng		91
85)	Carbazole	9.475	167	9857	1.88	ng		98
86)	Di-n-butylphthalate	9.866	149	10216	1.76	ng		94
87)	Fluoranthene	10.561	202	10873	1.96	ng		89
89)	Pyrene	10.818	202	10630	1.76	ng		87
90)	Benzidine	10.732	184	2390	1.01	ng		84
92)	p,p'-DDE	10.951	246	1409	1.62	ng		91
93)	p,p'-DDD	11.353	235	3773	1.96	ng		93
94)	Butylbenzylphthalate	11.615	149	5101	1.83	ng		67
95)	p,p'-DDT	11.706	235	2144	1.41	ng		83
96)	3,3'-Dichlorobenzidine	12.224	252	2572	1.99	ng		97
97)	Benzo[a]anthracene	12.235	228	10193	1.95	ng		93
98)	Chrysene	12.278	228	10121	2.04	ng		90
99)	bis(2-Ethylhexyl)phtha...	12.315	149	6547	1.70	ng		96
101)	Di-n-octylphthalate	13.064	149	11210	1.64	ng		98
102)	Benzo[b]fluoranthene	13.444	252	8555	1.84	ng		95
103)	Benzo[k]fluoranthene	13.471	252	8514	1.89	ng		91
104)	Benzo[a]pyrene	13.786	252	8301	1.87	ng		92
105)	Indeno[1,2,3-cd]pyrene	14.974	276	8680	2.03	ng		98
106)	Dibenzo[a,h]anthracene	14.990	278	7648	2.11	ng		94
107)	Benzo[g,h,i]perylene	15.289	276	8027	2.23	ng		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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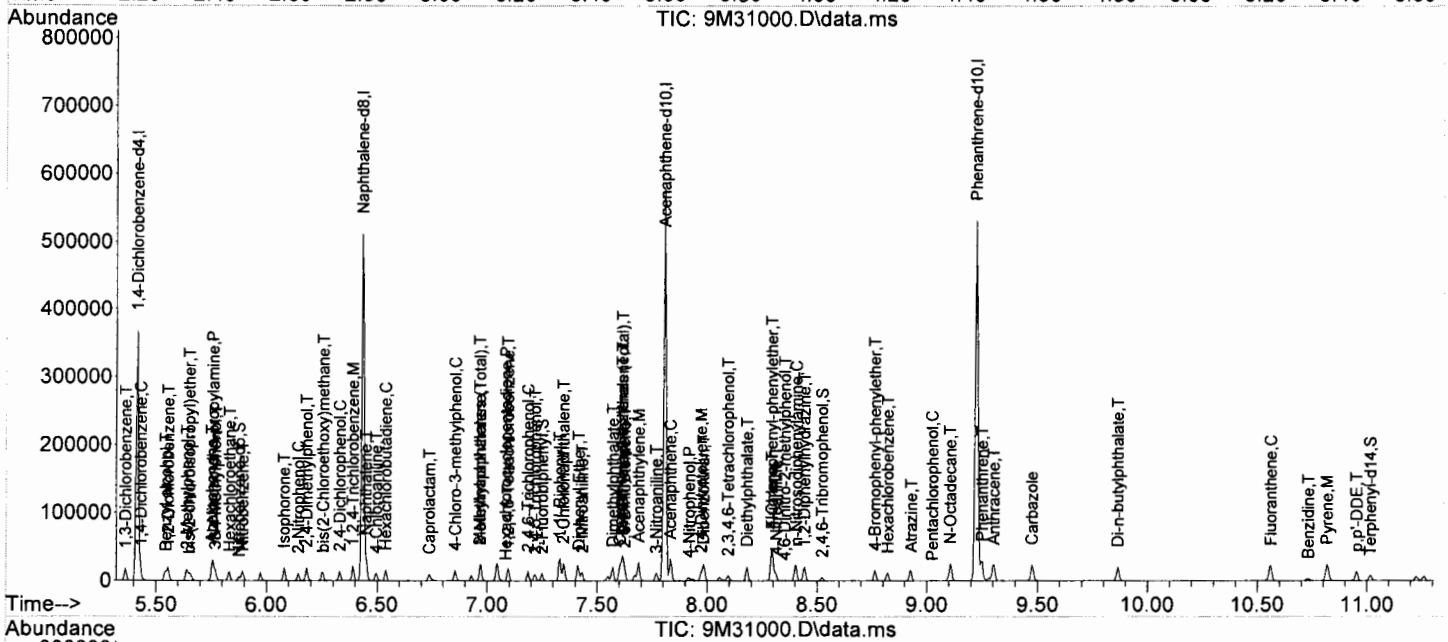
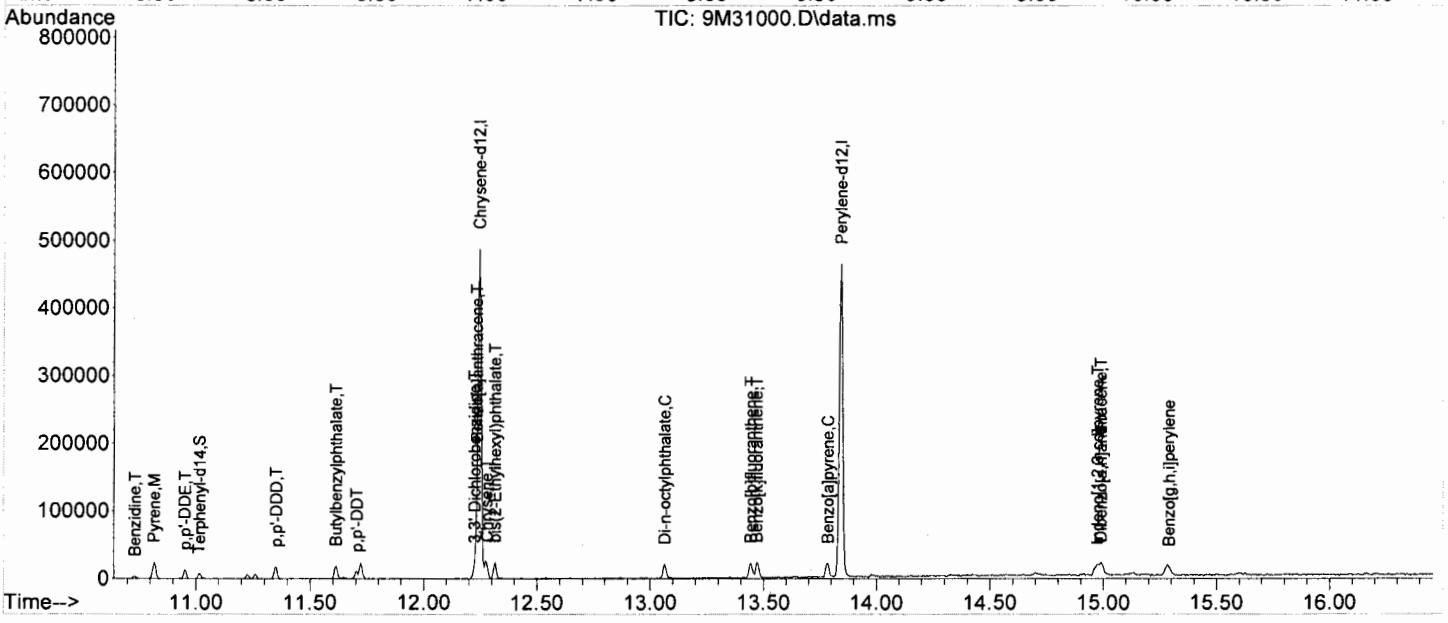
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M31000.D
Acq On : 12/13/10 13:40
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:03
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,4-Dichlorobenzene-d4,I
1,3-Dichlorobenzene,T
N-Decane,T
Time-->


Abundance
TIC: 9M31000.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
1,3-Dichlorobenzene,T
Isophorone,T
bis(2-Chloroethoxy)methane,T
Caprolactam,T
4-Chloro-3-methylphenol,C
3-Nitroaniline,T
Acenaphthylene,C
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M31000.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30998.D Sam Mult : 1 Vial# : 9 Qt On : 12/13/10 14:03
Acq On : 12/13/10 12:54 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	49498	40.00	ng	-0.05
29) Naphthalene-d8	6.432	136	202007	40.00	ng	-0.05
47) Acenaphthene-d10	7.806	164	122159	40.00	ng	-0.05
74) Phenanthrene-d10	9.224	188	204620	40.00	ng	-0.06
88) Chrysene-d12	12.246	240	191836	40.00	ng	-0.06
100) Perylene-d12	13.845	264	163733	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	15986	9.98	ng	-0.05
Spiked Amount 100.000			Recovery =	9.98%		
15) Phenol-d5	5.111	99	24709	10.68	ng	-0.04
Spiked Amount 100.000			Recovery =	10.68%		
30) Nitrobenzene-d5	5.875	128	4084	4.76	ng	-0.05
Spiked Amount 50.000			Recovery =	9.52%		
52) 2-Fluorobiphenyl	7.250	172	19495	5.24	ng	-0.05
Spiked Amount 50.000			Recovery =	10.48%		
77) 2,4,6-Tribromophenol	8.523	330	3018	10.47	ng	-0.06
Spiked Amount 100.000			Recovery =	10.47%		
91) Terphenyl-d14	11.015	244	18470	5.27	ng	-0.06
Spiked Amount 50.000			Recovery =	10.54%		
Target Compounds						Qvalue
8) Pyridine	2.420	79	15481	9.20	ng	67
9) N-Nitrosodimethylamine	2.356	74	9758	9.90	ng	81
11) Benzaldehyde	5.030	77	14698	15.15	ng	90
12) Aniline	5.132	93	21517	8.20	ng	9
13) Pentachloroethane	5.169	117	6032	10.39	ng	91
14) bis(2-Chloroethyl)ether	5.196	93	17775	10.86	ng	84
16) Phenol	5.127	94	26386	10.33	ng	79
17) 2-Chlorophenol	5.234	128	18766	10.92	ng	77
18) N-Decane	5.282	57	18502	10.58	ng	88
19) 1,3-Dichlorobenzene	5.362	146	18774	10.15	ng	97
20) 1,4-Dichlorobenzene	5.431	146	19904	10.55	ng	97
21) 1,2-Dichlorobenzene	5.554	146	18717	10.56	ng	96
22) Benzyl alcohol	5.538	108	12341	9.98	ng	95
23) bis(2-chloroisopropyl)...	5.656	45	22322	11.46	ng	55
24) 2-Methylphenol	5.640	108	18979	11.54	ng	84
25) Acetophenone	5.752	105	26625	10.96	ng	72
26) Hexachloroethane	5.833	117	8004	11.42	ng	93
27) N-Nitroso-di-n-propyla...	5.758	70	15595	11.98	ng	78
28) 3&4-Methylphenol	5.768	108	18769	10.29	ng	93
31) Nitrobenzene	5.891	77	22529	11.61	ng	88
32) Isophorone	6.079	82	40282	10.84	ng	100
33) 2-Nitrophenol	6.143	139	9821	10.07	ng	84
34) 2,4-Dimethylphenol	6.180	107	19098	10.85	ng	94
35) Benzoic Acid	6.239	105	6009m	7.90	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	22948	10.94	ng	96
37) 2,4-Dichlorophenol	6.330	162	14622	9.69	ng	89
38) 1,2,4-Trichlorobenzene	6.389	180	15918	10.02	ng	99
39) Naphthalene	6.448	128	57330	10.66	ng	98
40) 4-Chloroaniline	6.496	127	16658	9.15	ng	93
41) Hexachlorobutadiene	6.539	225	7200	10.44	ng	91
42) Caprolactam	6.742	113	8004	11.52	ng	68
43) 4-Chloro-3-methylphenol	6.854	107	18401	11.35	ng	88
44) 2-Methylnaphthalene	6.972	142	37431	10.32	ng	98
45) Methylnaphthalenes (To...	6.972	142	37431	10.32	ng	98
46) 1,1'-Biphenyl	7.330	154	49683	10.46	ng	94
48) 1,2,4,5-Tetrachloroben...	7.095	216	15463	10.34	ng	96
49) Hexachlorocyclopentadiene	7.084	237	2385	4.79	ng	96
50) 2,4,6-Trichlorophenol	7.186	196	9827	10.10	ng	96
51) 2,4,5-Trichlorophenol	7.218	196	10259	9.78	ng	93
53) 2-Chloronaphthalene	7.346	162	35447	10.78	ng	92
54) 1,4-Dimethylnaphthalene	7.614	156	31484	10.82	ng	85
55) Dimethylnaphthalenes (...	7.614	156	31484	10.82	ng	85
56) Diphenyl Ether	7.410	170	26121	10.24	ng	82
57) 2-Nitroaniline	7.426	65	16307	12.82	ng	85
58) Coumarin	7.603	146	15742	10.53	ng	85
59) Acenaphthylene	7.689	152	56633	10.14	ng	99
60) Dimethylphthalate	7.571	163	38828	10.41	ng	95
61) 2,6-Dinitrotoluene	7.630	165	8759	10.43	ng	55
62) Acenaphthene	7.833	153	32821	9.80	ng	93
63) 3-Nitroaniline	7.769	138	9947	10.27	ng	80
64) 2,4-Dinitrophenol	7.865	184	2083	4.94	ng	89
65) Dibenzofuran	7.988	168	50312	10.35	ng	75

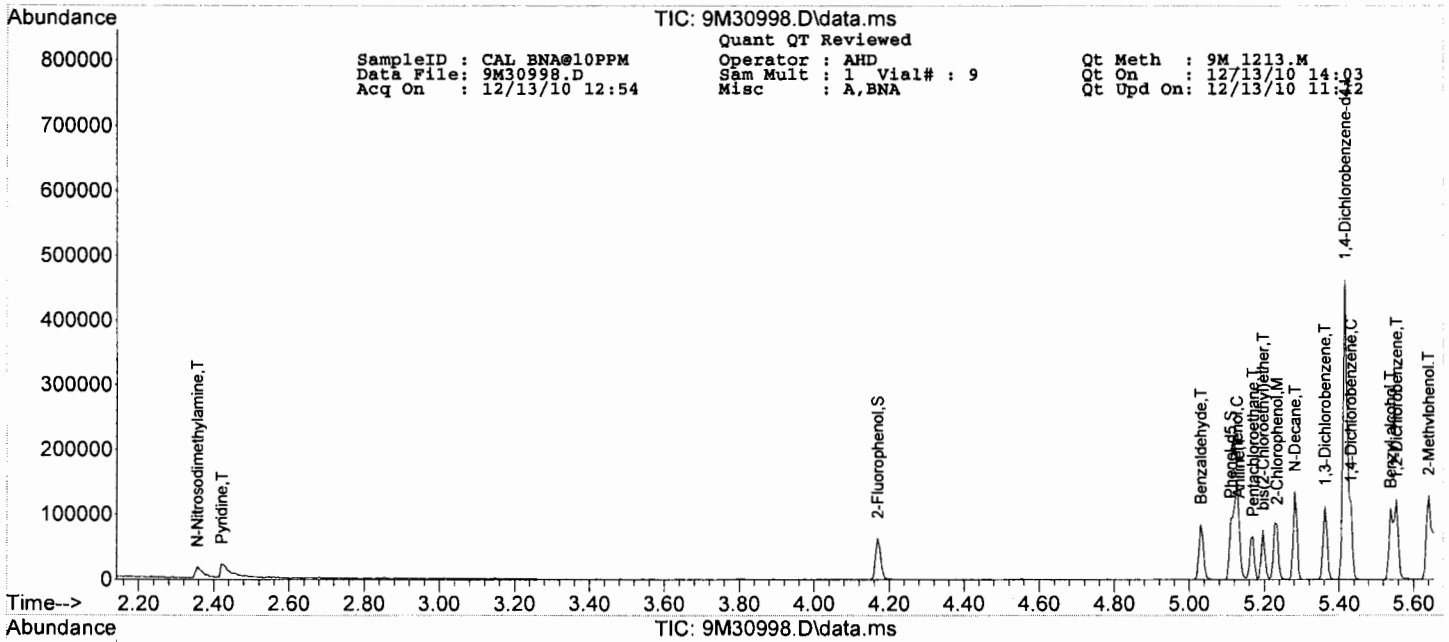
Quantitation Report (QT Reviewed)

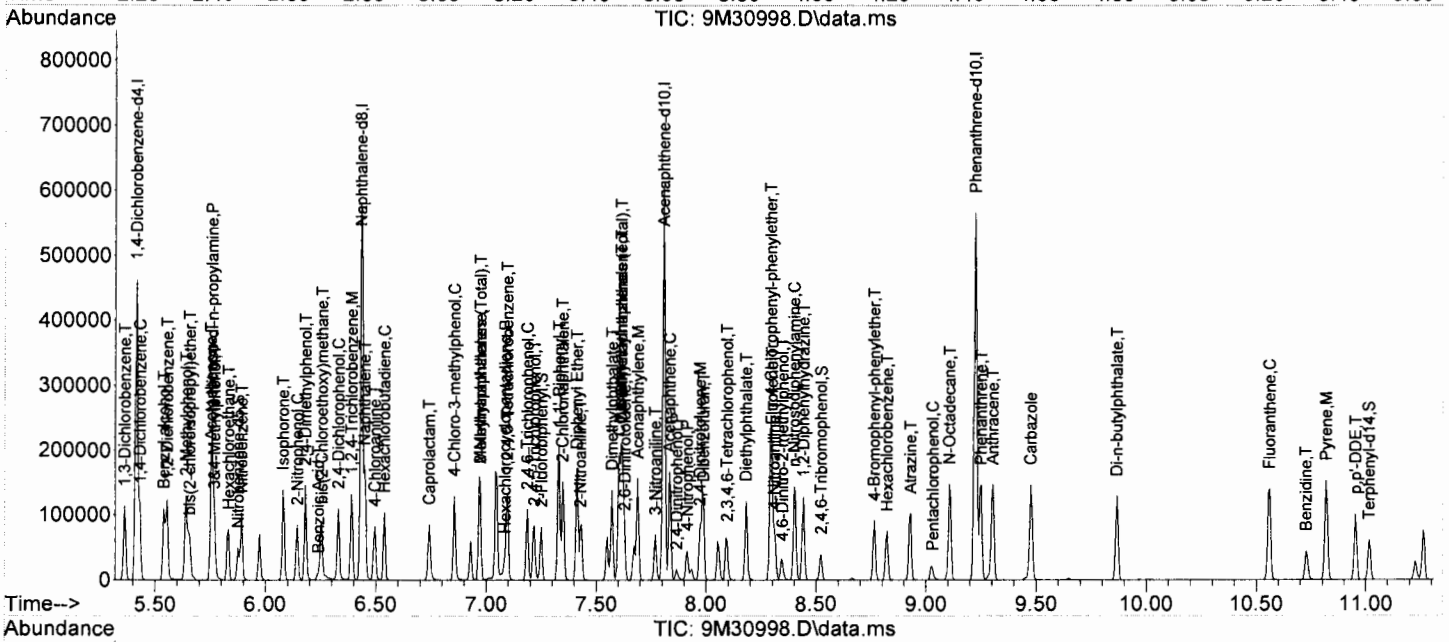
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30998.D Sam Mult : 1 Vial# : 9 Qt On : 12/13/10 14:03
Acq On : 12/13/10 12:54 Misc : A,BNA Qt Upd On: 12/13/10 11:12

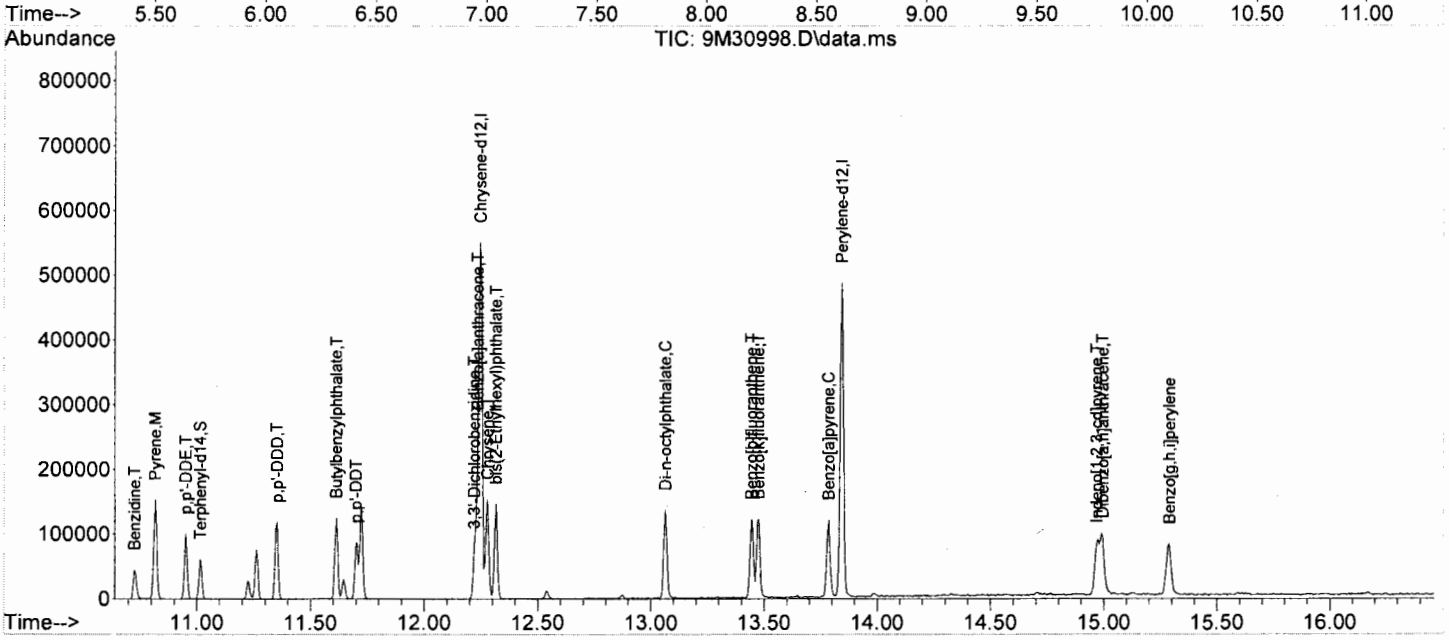
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.972	165	11779	10.45	ng	66
67)	4-Nitrophenol	7.913	65	6727	8.90	ng	88
68)	2,3,4,6-Tetrachlorophenol	8.095	232	6909	9.63	ng	86
69)	Fluorene	8.298	166	43650	10.74	ng	90
70)	4-Chlorophenyl-phenyle...	8.293	204	18441	10.33	ng	83
71)	Diethylphthalate	8.181	149	37005	9.90	ng	95
72)	4-Nitroaniline	8.309	138	11423	10.06	ng	82
73)	Atrazine	8.929	200	10344	9.91	ng	87
75)	4,6-Dinitro-2-methylph...	8.346	198	4672	7.74	ng	59
76)	n-Nitrosodiphenylamine	8.400	169	37815	10.80	ng	85
78)	1,2-Diphenylhydrazine	8.443	77	40930	10.91	ng	85
79)	4-Bromophenyl-phenylether	8.764	248	8540	10.26	ng	86
80)	Hexachlorobenzene	8.822	284	8271	10.94	ng	73
81)	N-Octadecane	9.106	57	23925	11.03	ng	82
82)	Pentachlorophenol	9.031	266	3124	7.58	ng	86
83)	Phenanthrene	9.250	178	58662	10.48	ng	95
84)	Anthracene	9.304	178	60400	10.48	ng	96
85)	Carbazole	9.475	167	59421	10.59	ng	97
86)	Di-n-butylphthalate	9.865	149	63186	10.17	ng	97
87)	Fluoranthene	10.561	202	60692	10.26	ng	91
89)	Pyrene	10.818	202	63806	10.08	ng	92
90)	Benzidine	10.727	184	20038	8.11	ng	88
92)	p,p'-DDE	10.951	246	9611	10.55	ng	92
93)	p,p'-DDD	11.352	235	20524	10.21	ng	90
94)	Butylbenzylphthalate	11.614	149	29052	9.97	ng	77
95)	p,p'-DDT	11.700	235	16510	10.38	ng	96
96)	3,3'-Dichlorobenzidine	12.219	252	15341	11.37	ng	89
97)	Benzo[a]anthracene	12.235	228	56260	10.27	ng	96
98)	Chrysene	12.278	228	53317	10.26	ng	93
99)	bis(2-Ethylhexyl)phtha...	12.315	149	40027	9.96	ng	93
101)	Di-n-octylphthalate	13.064	149	69471	10.01	ng	96
102)	Benzo[b]fluoranthene	13.444	252	47120	10.00	ng	97
103)	Benzo[k]fluoranthene	13.476	252	46945	10.29	ng	98
104)	Benzo[a]pyrene	13.786	252	45138	10.04	ng	96
105)	Indeno[1,2,3-cd]pyrene	14.968	276	45844	10.57	ng	96
106)	Dibenzo[a,h]anthracene	14.995	278	38602	10.54	ng	95
107)	Benzo[g,h,i]perylene	15.289	276	38891	10.67	ng	97

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


Abundance
TIC: 9M30998.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M30998.D
Acq On : 12/13/10 12:54
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:03
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
2-Methylphenol,T
Time-->


Abundance
TIC: 9M30998.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Isophorone,T
Naphthalene-d8,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene-d10,I
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
2,4,6-Tribromophenol,S
Time-->


Abundance
TIC: 9M30998.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Chrysene-d12,I
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,T
Chrysene,C
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Perylene-d12,I
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30997.D Sam Mult : 1 Vial# : 8 Qt On : 12/13/10 14:02
Acq On : 12/13/10 12:31 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	48053	40.00	ng	-0.05
29) Naphthalene-d8	6.437	136	195055	40.00	ng	-0.05
47) Acenaphthene-d10	7.806	164	116219	40.00	ng	-0.05
74) Phenanthrene-d10	9.224	188	200765	40.00	ng	-0.06
88) Chrysene-d12	12.251	240	187422	40.00	ng	-0.06
100) Perylene-d12	13.845	264	159624	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	31285	20.13	ng	-0.05
Spiked Amount 100.000			Recovery = 20.13%			
15) Phenol-d5	5.111	99	48487	21.59	ng	-0.04
Spiked Amount 100.000			Recovery = 21.59%			
30) Nitrobenzene-d5	5.875	128	9150	11.05	ng	-0.05
Spiked Amount 50.000			Recovery = 22.10%			
52) 2-Fluorobiphenyl	7.250	172	36420	10.28	ng	-0.05
Spiked Amount 50.000			Recovery = 20.56%			
77) 2,4,6-Tribromophenol	8.523	330	6356	22.48	ng	-0.06
Spiked Amount 100.000			Recovery = 22.48%			
91) Terphenyl-d14	11.015	244	34836	10.17	ng	-0.06
Spiked Amount 50.000			Recovery = 20.34%			
Target Compounds						Qvalue
8) Pyridine	2.410	79	30588	18.71	ng	67
9) N-Nitrosodimethylamine	2.351	74	20638	21.58	ng	76
11) Benzaldehyde	5.030	77	28742	30.52	ng	84
12) Aniline	5.132	93	46648	18.31	ng	14
13) Pentachloroethane	5.169	117	11813	20.96	ng	90
14) bis(2-Chloroethyl)ether	5.196	93	33672	21.18	ng	86
16) Phenol	5.127	94	51219	20.65	ng	67
17) 2-Chlorophenol	5.234	128	36808	22.06	ng	80
18) N-Decane	5.282	57	38073	22.42	ng	91
19) 1,3-Dichlorobenzene	5.362	146	36785	20.48	ng	95
20) 1,4-Dichlorobenzene	5.432	146	37995	20.75	ng	97
21) 1,2-Dichlorobenzene	5.555	146	36870	21.43	ng	99
22) Benzyl alcohol	5.538	108	25056	20.88	ng	85
23) bis(2-chloroisopropyl)...	5.656	45	43928	23.24	ng	65
24) 2-Methylphenol	5.640	108	37237	23.32	ng	94
25) Acetophenone	5.752	105	52711	22.35	ng	72
26) Hexachloroethane	5.833	117	15451	22.70	ng	93
27) N-Nitroso-di-n-propyla...	5.758	70	30310	23.98	ng	86
28) 3&4-Methylphenol	5.768	108	39887	22.52	ng	99
31) Nitrobenzene	5.891	77	42980	22.94	ng	85
32) Isophorone	6.079	82	67436	18.80	ng	93
33) 2-Nitrophenol	6.143	139	19412	20.61	ng	84
34) 2,4-Dimethylphenol	6.180	107	35823	21.07	ng	86
35) Benzoic Acid	6.250	105	15137m	20.60	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	41221	20.34	ng	99
37) 2,4-Dichlorophenol	6.330	162	30215	20.75	ng	84
38) 1,2,4-Trichlorobenzene	6.389	180	30798	20.08	ng	93
39) Naphthalene	6.453	128	107332	20.68	ng	100
40) 4-Chloroaniline	6.496	127	35829	20.38	ng	99
41) Hexachlorobutadiene	6.539	225	13395	20.11	ng	96
42) Caprolactam	6.747	113	14275	21.28	ng	62
43) 4-Chloro-3-methylphenol	6.854	107	31803	20.32	ng	82
44) 2-Methylnaphthalene	6.972	142	72784	20.78	ng	94
45) Methylnaphthalenes (To...	6.972	142	72784	20.78	ng	94
46) 1,1'-Biphenyl	7.330	154	92730	20.22	ng	91
48) 1,2,4,5-Tetrachloroben...	7.095	216	29098	20.45	ng	98
49) Hexachlorocyclopentadiene	7.084	237	5839	12.32	ng	94
50) 2,4,6-Trichlorophenol	7.186	196	19871	21.47	ng	97
51) 2,4,5-Trichlorophenol	7.218	196	20002	20.03	ng	91
53) 2-Chloronaphthalene	7.346	162	64944	20.76	ng	93
54) 1,4-Dimethylnaphthalene	7.619	156	56511	20.42	ng	83
55) Dimethylnaphthalenes (...	7.619	156	56511	20.42	ng	83
56) Diphenyl Ether	7.416	170	52282	21.55	ng	63
57) 2-Nitroaniline	7.432	65	22995	19.00	ng	29
58) Coumarin	7.603	146	29813	20.96	ng	73
59) Acenaphthylene	7.689	152	109598	20.62	ng	98
60) Dimethylphthalate	7.571	163	70302	19.82	ng	97
61) 2,6-Dinitrotoluene	7.630	165	16696	20.91	ng	58
62) Acenaphthene	7.833	153	65249	20.47	ng	93
63) 3-Nitroaniline	7.769	138	19926	21.62	ng	78
64) 2,4-Dinitrophenol	7.865	184	7087	17.66	ng	81
65) Dibenzofuran	7.988	168	97402	21.07	ng	77

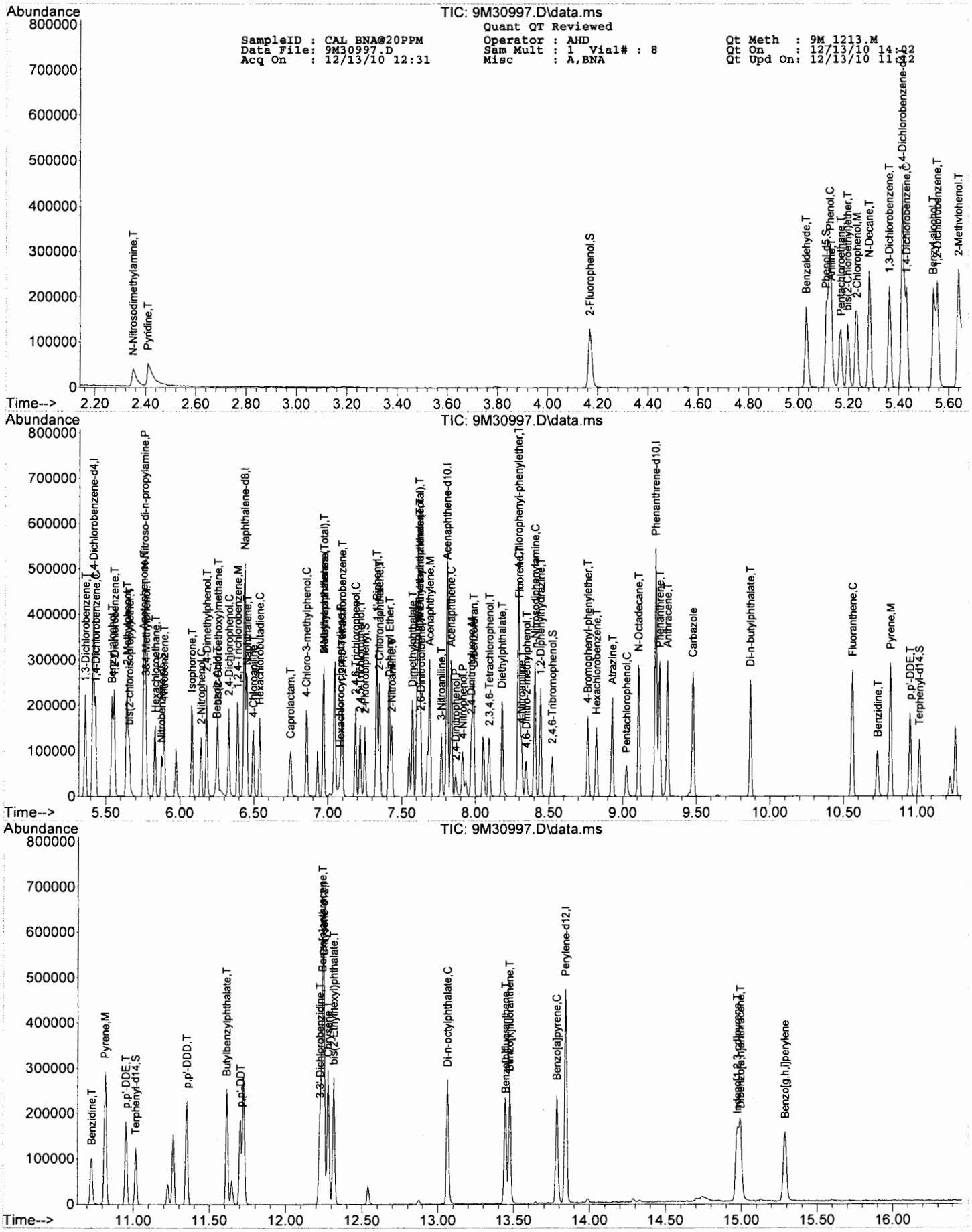
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30997.D Sam Mult : 1 Vial# : 8 Qt On : 12/13/10 14:02
Acq On : 12/13/10 12:31 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.972	165	20958	19.54	ng	73
67)	4-Nitrophenol	7.913	65	13785	19.16	ng	84
68)	2,3,4,6-Tetrachlorophenol	8.095	232	14464	21.19	ng	84
69)	Fluorene	8.298	166	81376	21.04	ng	89
70)	4-Chlorophenyl-phenyle...	8.293	204	34703	20.43	ng	83
71)	Diethylphthalate	8.181	149	69101	19.43	ng	99
72)	4-Nitroaniline	8.314	138	22982	21.28	ng	78
73)	Atrazine	8.930	200	20340	20.48	ng	92
75)	4,6-Dinitro-2-methylph...	8.347	198	10696	18.06	ng	71
76)	n-Nitrosodiphenylamine	8.405	169	73966	21.53	ng	86
78)	1,2-Diphenylhydrazine	8.443	77	76736	20.85	ng	78
79)	4-Bromophenyl-phenylether	8.764	248	17310	21.21	ng	94
80)	Hexachlorobenzene	8.823	284	15215	20.50	ng	82
81)	N-Octadecane	9.106	57	47056	22.10	ng	75
82)	Pentachlorophenol	9.026	266	6774	16.75	ng	95
83)	Phenanthrene	9.250	178	113210	20.61	ng	93
84)	Anthracene	9.304	178	119227	21.08	ng	95
85)	Carbazole	9.475	167	117216	21.28	ng	94
86)	Di-n-butylphthalate	9.866	149	127553	20.92	ng	98
87)	Fluoranthene	10.561	202	116949	20.15	ng	96
89)	Pyrene	10.818	202	123373	19.95	ng	89
90)	Benzidine	10.732	184	44443	18.41	ng	86
92)	p,p'-DDE	10.951	246	17480	19.63	ng	97
93)	p,p'-DDD	11.352	235	39514	20.12	ng	90
94)	Butylbenzylphthalate	11.615	149	56973	20.01	ng	72
95)	p,p'-DDT	11.705	235	32179	20.71	ng	96
96)	3,3'-Dichlorobenzidine	12.224	252	28404	21.54	ng	94
97)	Benzo[a]anthracene	12.240	228	108658	20.31	ng	95
98)	Chrysene	12.278	228	104704	20.61	ng	93
99)	bis(2-Ethylhexyl)phtha...	12.315	149	76617	19.51	ng	94
101)	Di-n-octylphthalate	13.064	149	138210	20.42	ng	99
102)	Benzo[b]fluoranthene	13.449	252	91695	19.96	ng	93
103)	Benzo[k]fluoranthene	13.476	252	93026	20.91	ng	97
104)	Benzo[a]pyrene	13.786	252	89965	20.53	ng	94
105)	Indeno[1,2,3-cd]pyrene	14.973	276	86747	20.51	ng	98
106)	Dibenzo[a,h]anthracene	14.995	278	76331	21.37	ng	97
107)	Benzo[g,h,i]perylene	15.289	276	74813	21.06	ng	96

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


Abundance
TIC: 9M30997.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M30997.D
Acq On : 12/13/10 12:31
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:02
Qt Upd On: 12/13/10 11:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,4-Dichlorobenzene-d4,I
Benzyl alcohol,T
1,2-Dichlorobenzene,T
2-Methylphenol,T
Time-->

Abundance
TIC: 9M30997.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl alcohol,T
1,2-Dichlorobenzene,T
bis(2-chloroisopropyl)ether,T
2-Methylphenol,T
3&4-Methylphenol,T
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
2,6-Dinitrotoluene,C
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene-d10,I
2,4-Dinitrophenol,P
4-Nitrophenol,P
Acenaphthene,C
2,4-Dinitrotoluene,C
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Fluorene,C
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
4-Nitroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M30997.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30995.D Sam Mult : 1 Vial# : 6 Qt On : 12/13/10 12:23
Acq On : 12/13/10 11:44 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.416	152	52615	40.00	ng	-0.05
29) Naphthalene-d8	6.437	136	213738	40.00	ng	-0.05
47) Acenaphthene-d10	7.812	164	119391	40.00	ng	-0.05
74) Phenanthrene-d10	9.229	188	201190	40.00	ng	-0.05
88) Chrysene-d12	12.257	240	169206	40.00	ng	-0.05
100) Perylene-d12	13.845	264	137863	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	152484	89.59	ng	-0.05
Spiked Amount 100.000			Recovery = 89.59%			
15) Phenol-d5	5.116	99	216073	87.88	ng	-0.04
Spiked Amount 100.000			Recovery = 87.88%			
30) Nitrobenzene-d5	5.881	128	36437	40.17	ng	-0.04
Spiked Amount 50.000			Recovery = 80.34%			
52) 2-Fluorobiphenyl	7.250	172	145848	40.09	ng	-0.05
Spiked Amount 50.000			Recovery = 80.18%			
77) 2,4,6-Tribromophenol	8.529	330	24550	86.64	ng	-0.05
Spiked Amount 100.000			Recovery = 86.64%			
91) Terphenyl-d14	11.021	244	129817	41.96	ng	-0.05
Spiked Amount 50.000			Recovery = 83.92%			
Target Compounds						Qvalue
8) Pyridine	2.399	79	157173	87.83	ng	68
9) N-Nitrosodimethylamine	2.356	74	90998	86.89	ng	75
11) Benzaldehyde	5.036	77	129114	125.22	ng	86
12) Aniline	5.132	93	246537	88.39	ng	17
13) Pentachloroethane	5.170	117	50133	81.25	ng	88
14) bis(2-Chloroethyl)ether	5.202	93	148995	85.61	ng	83
16) Phenol	5.132	94	232599	85.64	ng	57
17) 2-Chlorophenol	5.234	128	160335	87.76	ng	85
18) N-Decane	5.287	57	164544	88.50	ng	87
19) 1,3-Dichlorobenzene	5.368	146	165450	84.14	ng	99
20) 1,4-Dichlorobenzene	5.432	146	163862	81.73	ng	98
21) 1,2-Dichlorobenzene	5.555	146	155695	82.66	ng	97
22) Benzyl alcohol	5.544	108	108521	82.58	ng	86
23) bis(2-chloroisopropyl)...	5.656	45	188834	91.22	ng	72
24) 2-Methylphenol	5.640	108	152549	87.24	ng	97
25) Acetophenone	5.758	105	224804	87.04	ng	73
26) Hexachloroethane	5.833	117	65461	87.83	ng	99
27) N-Nitroso-di-n-propyla...	5.763	70	129317	93.43	ng	82
28) 3&4-Methylphenol	5.774	108	160314	82.67	ng	96
31) Nitrobenzene	5.897	77	181540	88.44	ng	90
32) Isophorone	6.084	82	328376	83.55	ng	97
33) 2-Nitrophenol	6.148	139	85081	82.42	ng	94
34) 2,4-Dimethylphenol	6.186	107	165404	88.77	ng	97
35) Benzoic Acid	6.277	105	97175m	120.68	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	187376	84.39	ng	99
37) 2,4-Dichlorophenol	6.336	162	124251	77.86	ng	89
38) 1,2,4-Trichlorobenzene	6.394	180	134879	80.24	ng	98
39) Naphthalene	6.453	128	466293	81.97	ng	99
40) 4-Chloroaniline	6.496	127	161357	83.78	ng	98
41) Hexachlorobutadiene	6.539	225	56269	77.11	ng	97
42) Caprolactam	6.785	113	59576	81.03	ng	57
43) 4-Chloro-3-methylphenol	6.865	107	136991	79.88	ng	76
44) 2-Methylnaphthalene	6.972	142	304781	79.42	ng	92
45) Methylnaphthalenes (To...	6.972	142	304781	79.42	ng	92
46) 1,1'-Biphenyl	7.330	154	376038	74.81	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	121116	82.87	ng	96
49) Hexachlorocyclopentadiene	7.084	237	37899	77.86	ng	98
50) 2,4,6-Trichlorophenol	7.191	196	77637	81.67	ng	97
51) 2,4,5-Trichlorophenol	7.223	196	83588	81.50	ng	97
53) 2-Chloronaphthalene	7.352	162	261199	81.28	ng	91
54) 1,4-Dimethylnaphthalene	7.619	156	228276	80.28	ng	81
55) Dimethylnaphthalenes (...	7.619	156	228276	80.28	ng	81
56) Diphenyl Ether	7.416	170	201830	80.99	ng	68
57) 2-Nitroaniline	7.437	65	94603	76.08	ng	42
58) Coumarin	7.614	146	116053	79.44	ng	72
59) Acenaphthylene	7.694	152	436017	79.85	ng	99
60) Dimethylphthalate	7.582	163	285725	78.41	ng	99
61) 2,6-Dinitrotoluene	7.635	165	64848	79.05	ng	56
62) Acenaphthene	7.839	153	258922	79.08	ng	91
63) 3-Nitroaniline	7.774	138	77402	81.76	ng	77
64) 2,4-Dinitrophenol	7.871	184	36471	88.45	ng	85
65) Dibenzofuran	7.988	168	378078	79.59	ng	80

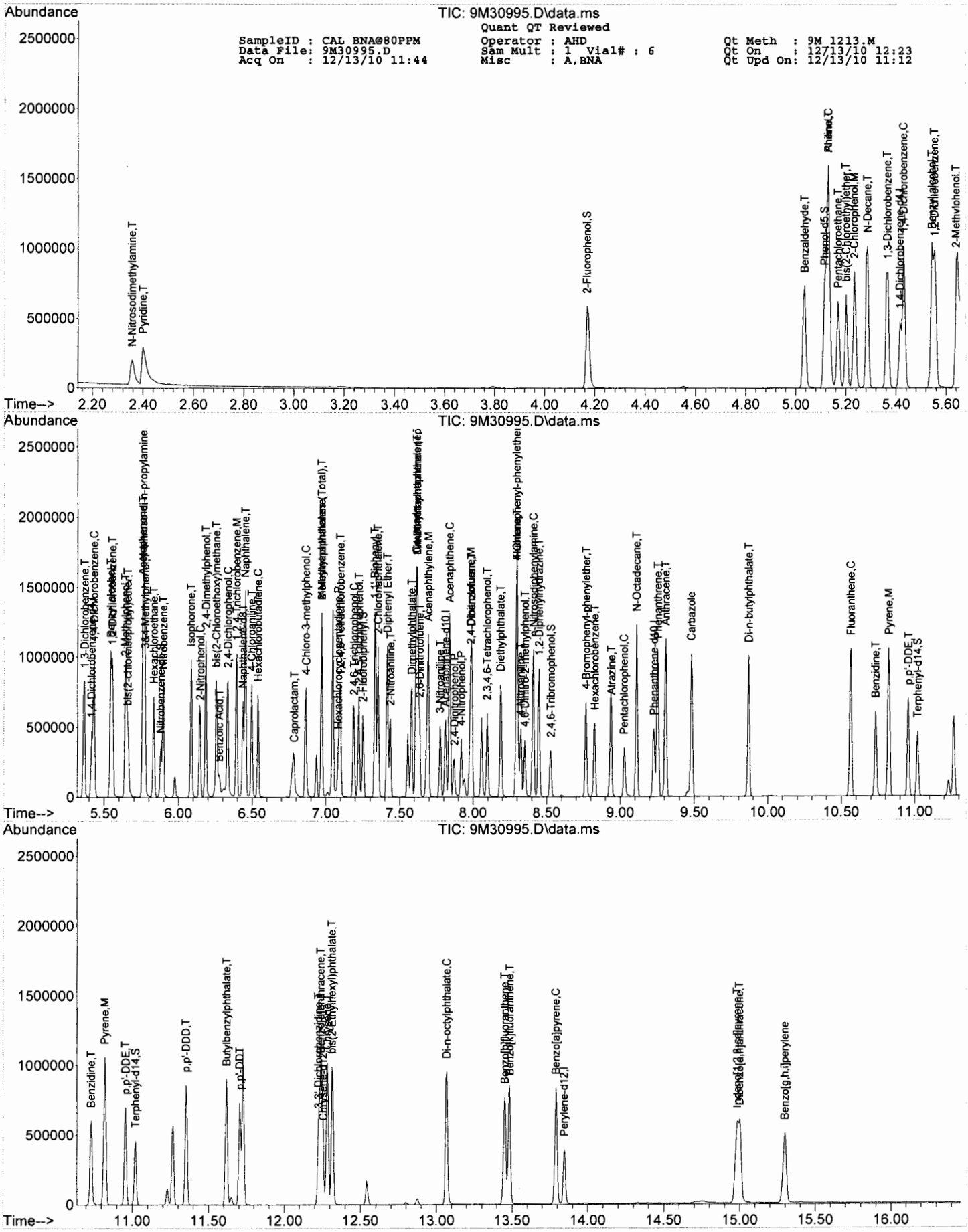
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30995.D Sam Mult : 1 Vial# : 6 Qt On : 12/13/10 12:23
Acq On : 12/13/10 11:44 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12_13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.983	165	89546	81.26	ng	68
67)	4-Nitrophenol	7.919	65	54927	74.32	ng	86
68)	2,3,4,6-Tetrachlorophenol	8.095	232	58538	83.46	ng	85
69)	Fluorene	8.299	166	312215	78.59	ng	93
70)	4-Chlorophenyl-phenyle...	8.299	204	139545	79.98	ng	78
71)	Diethylphthalate	8.186	149	275640	75.46	ng	97
72)	4-Nitroaniline	8.325	138	90141	81.24	ng	76
73)	Atrazine	8.940	200	78518	76.96	ng	89
75)	4,6-Dinitro-2-methylph...	8.352	198	49743	83.83	ng	55
76)	n-Nitrosodiphenylamine	8.411	169	279979	81.34	ng	88
78)	1,2-Diphenylhydrazine	8.448	77	307105	83.27	ng	80
79)	4-Bromophenyl-phenylether	8.769	248	67086	82.01	ng	91
80)	Hexachlorobenzene	8.828	284	58841	79.12	ng	69
81)	N-Octadecane	9.112	57	181802	85.21	ng	75
82)	Pentachlorophenol	9.026	266	36127	89.16	ng	93
83)	Phenanthrene	9.256	178	437959	79.58	ng	96
84)	Anthracene	9.309	178	455258	80.32	ng	97
85)	Carbazole	9.481	167	446766	80.95	ng	94
86)	Di-n-butylphthalate	9.871	149	500772	81.97	ng	97
87)	Fluoranthene	10.566	202	456719	78.51	ng	89
89)	Pyrene	10.823	202	470512	84.29	ng	89
90)	Benzidine	10.732	184	245859	112.83	ng	86
92)	p,p'-DDE	10.957	246	66084	82.22	ng	95
93)	p,p'-DDD	11.353	235	150444	84.84	ng	92
94)	Butylbenzylphthalate	11.620	149	215553	83.88	ng	75
95)	p,p'-DDT	11.706	235	124135	88.51	ng	98
96)	3,3'-Dichlorobenzidine	12.224	252	97609	81.99	ng	96
97)	Benzo[a]anthracene	12.241	228	398026	82.41	ng	96
98)	Chrysene	12.283	228	369671	80.62	ng	95
99)	bis(2-Ethylhexyl)phtha...	12.315	149	292665	82.56	ng	95
101)	Di-n-octylphthalate	13.070	149	518422	88.70	ng	100
102)	Benzo[b]fluoranthene	13.455	252	326651	82.35	ng	96
103)	Benzo[k]fluoranthene	13.487	252	333418	86.77	ng	94
104)	Benzo[a]pyrene	13.792	252	320138	84.58	ng	95
105)	Indeno[1,2,3-cd]pyrene	14.984	276	305367	83.59	ng	79
106)	Dibenzo[a,h]anthracene	15.000	278	254582	82.54	ng	99
107)	Benzo[g,h,i]perylene	15.300	276	252675	82.36	ng	96

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


Abundance
TIC: 9M30995.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M30995.D
Acq On : 12/13/10 11:44
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 12:23
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
2-Methylphenol,T
Time-->

Abundance
TIC: 9M30995.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,T
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
Diphenylamine,C
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M30995.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31002.D Sam Mult : 1 Vial# : 5 Qt On : 12/13/10 15:26
Acq On : 12/13/10 15:08 Misc : A,BNA Qt Upd On: 12/13/10 15:07

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	51309	40.00	ng	0.00
29) Naphthalene-d8	6.437	136	191019	40.00	ng	0.00
47) Acenaphthene-d10	7.812	164	116379	40.00	ng	0.00
74) Phenanthrene-d10	9.229	188	194631	40.00	ng	0.00
88) Chrysene-d12	12.256	240	171955	40.00	ng	0.00
100) Perylene-d12	13.850	264	142555	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	226330	124.69	ng	0.00
Spiked Amount 100.000			Recovery = 124.69%			
15) Phenol-d5	5.121	99	304242	120.03	ng	0.00
Spiked Amount 100.000			Recovery = 120.03%			
30) Nitrobenzene-d5	5.881	128	51720	62.42	ng	0.00
Spiked Amount 50.000			Recovery = 124.84%			
52) 2-Fluorobiphenyl	7.255	172	216806	62.34	ng	0.00
Spiked Amount 50.000			Recovery = 124.68%			
77) 2,4,6-Tribromophenol	8.534	330	37859	128.90	ng	0.00
Spiked Amount 100.000			Recovery = 128.90%			
91) Terphenyl-d14	11.021	244	202477	62.29	ng	0.00
Spiked Amount 50.000			Recovery = 124.58%			
Target Compounds						Qvalue
8) Pyridine	2.388	79	219934	113.54	ng	65
9) N-Nitrosodimethylamine	2.351	74	128198	122.18	ng	73
11) Benzaldehyde	5.036	77	126491	89.25	ng	68
12) Aniline	5.132	93	370798	121.12	ng	25
13) Pentachloroethane	5.169	117	67094	111.90	ng	85
14) bis(2-Chloroethyl)ether	5.201	93	196461	112.54	ng	80
16) Phenol	5.132	94	332552	118.99	ng	83
17) 2-Chlorophenol	5.233	128	234409	119.39	ng	79
18) N-Decane	5.287	57	193516	105.96	ng	81
19) 1,3-Dichlorobenzene	5.367	146	225858	115.54	ng	95
20) 1,4-Dichlorobenzene	5.431	146	228625	115.27	ng	97
21) 1,2-Dichlorobenzene	5.554	146	212908	112.25	ng	98
22) Benzyl alcohol	5.544	108	153697	117.66	ng	73
23) bis(2-chloroisopropyl)...	5.656	45	224249	104.28	ng	86
24) 2-Methylphenol	5.645	108	222249	114.64	ng	87
25) Acetophenone	5.763	105	289662	110.88	ng	59
26) Hexachloroethane	5.833	117	85474	111.10	ng	92
27) N-Nitroso-di-n-propyla...	5.768	70	152445	103.66	ng	67
28) 3&4-Methylphenol	5.774	108	233220	118.37	ng	91
31) Nitrobenzene	5.897	77	209093	108.98	ng	81
32) Isophorone	6.089	82	407539	116.93	ng	84
33) 2-Nitrophenol	6.148	139	122683	129.24	ng	83
34) 2,4-Dimethylphenol	6.186	107	207427	118.94	ng	84
35) Benzoic Acid	6.287	105	148883m	120.85	ng	
36) bis(2-Chloroethoxy)met...	6.260	93	248535	120.14	ng	97
37) 2,4-Dichlorophenol	6.335	162	178589	126.26	ng	87
38) 1,2,4-Trichlorobenzene	6.394	180	181397	119.70	ng	97
39) Naphthalene	6.453	128	642719	119.11	ng	100
40) 4-Chloroaniline	6.496	127	221312	130.47	ng	98
41) Hexachlorobutadiene	6.544	225	77897	117.98	ng	96
42) Caprolactam	6.801	113	88427	128.15	ng	57
43) 4-Chloro-3-methylphenol	6.865	107	195588	120.42	ng	73
44) 2-Methylnaphthalene	6.972	142	430986	121.74	ng	89
45) Methylnaphthalenes (To...	6.972	142	430986	121.74	ng	89
46) 1,1'-Biphenyl	7.335	154	546856	120.66	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	171960	120.34	ng	98
49) Hexachlorocyclopentadiene	7.089	237	61659	120.41	ng	98
50) 2,4,6-Trichlorophenol	7.191	196	122143	127.49	ng	99
51) 2,4,5-Trichlorophenol	7.223	196	125223	124.77	ng	99
53) 2-Chloronaphthalene	7.352	162	380561	118.79	ng	92
54) 1,4-Dimethylnaphthalene	7.624	156	329714	117.86	ng	80
55) Dimethylnaphthalenes (...	7.624	156	329714	117.86	ng	80
56) Diphenyl Ether	7.416	170	290833	118.66	ng	73
57) 2-Nitroaniline	7.437	65	140616	119.03	ng	46
58) Coumarin	7.619	146	172165	120.71	ng	73
59) Acenaphthylene	7.694	152	642071	119.09	ng	99
60) Dimethylphthalate	7.587	163	418453	116.85	ng	98
61) 2,6-Dinitrotoluene	7.640	165	97718	121.70	ng	53
62) Acenaphthene	7.844	153	382458	119.46	ng	93
63) 3-Nitroaniline	7.779	138	113513	123.33	ng	84
64) 2,4-Dinitrophenol	7.870	184	58928	117.46	ng	86
65) Dibenzofuran	7.993	168	550173	116.00	ng	78

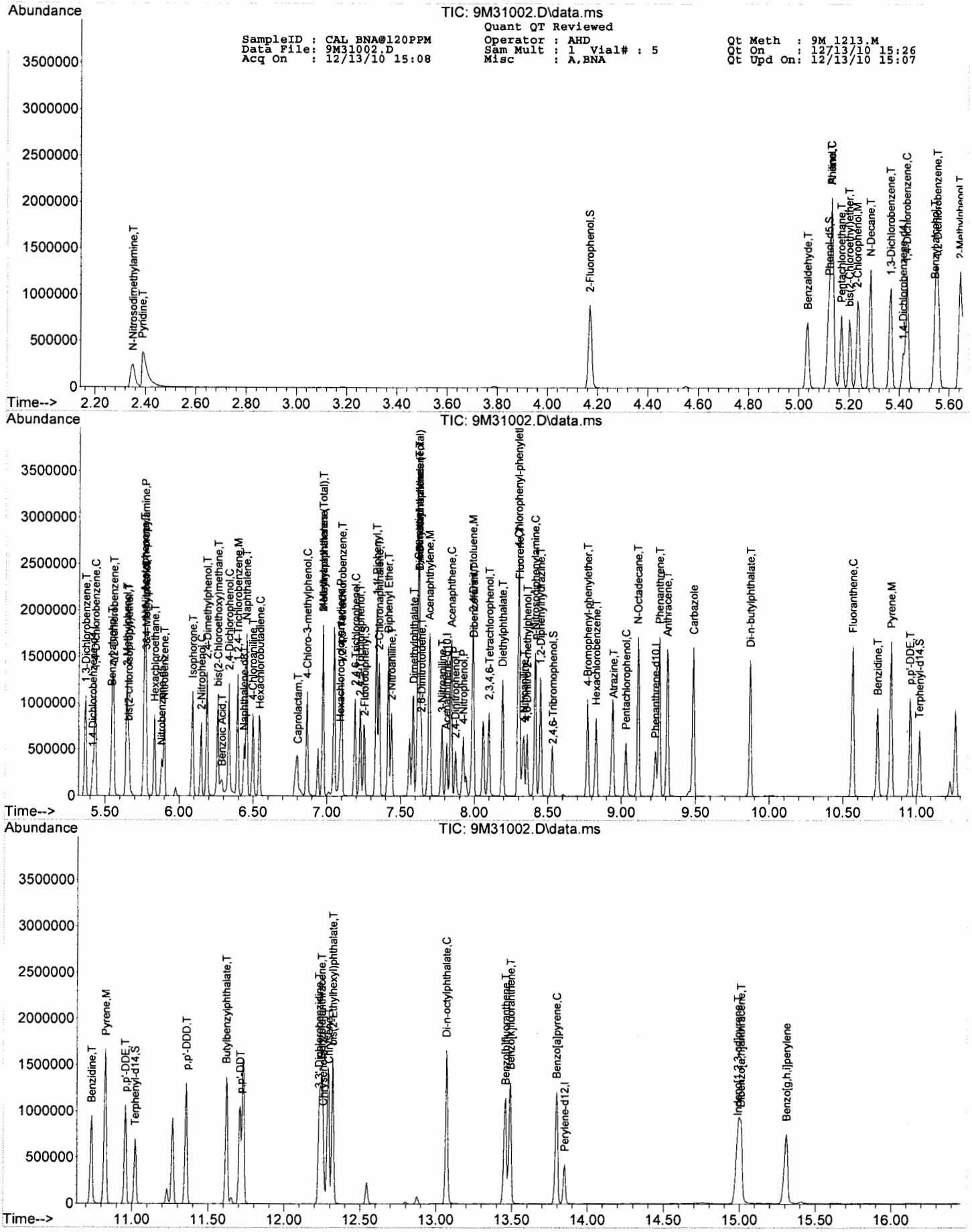
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31002.D Sam Mult : 1 Vial# : 5 Qt On : 12/13/10 15:26
Acq On : 12/13/10 15:08 Misc : A,BNA Qt Upd On: 12/13/10 15:07

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.988	165	132206	122.67	ng	76
67)	4-Nitrophenol	7.924	65	88080	104.98	ng	82
68)	2,3,4,6-Tetrachlorophenol	8.100	232	88954	126.62	ng	87
69)	Fluorene	8.304	166	471974	119.23	ng	92
70)	4-Chlorophenyl-phenyle...	8.298	204	207778	121.93	ng	84
71)	Diethylphthalate	8.191	149	416627	119.24	ng	96
72)	4-Nitroaniline	8.336	138	139341	124.49	ng	75
73)	Atrazine	8.945	200	121637	121.16	ng	94
75)	4,6-Dinitro-2-methylph...	8.357	198	80140	123.23	ng	54
76)	n-Nitrosodiphenylamine	8.411	169	426363	125.03	ng	89
78)	1,2-Diphenylhydrazine	8.448	77	455467	117.24	ng	82
79)	4-Bromophenyl-phenylether	8.769	248	100347	124.31	ng	91
80)	Hexachlorobenzene	8.828	284	89690	121.97	ng	80
81)	N-Octadecane	9.111	57	277058	113.40	ng	76
82)	Pentachlorophenol	9.031	266	59504	127.10	ng	99
83)	Phenanthrene	9.256	178	660741	121.59	ng	96
84)	Anthracene	9.309	178	677075	122.03	ng	97
85)	Carbazole	9.486	167	677085	124.24	ng	94
86)	Di-n-butylphthalate	9.871	149	765158	125.46	ng	97
87)	Fluoranthene	10.566	202	701580	123.22	ng	93
89)	Pyrene	10.828	202	717056	126.57	ng	88
90)	Benzidine	10.737	184	374143	126.44	ng	85
92)	p,p'-DDE	10.957	246	105310	129.79	ng	95
93)	p,p'-DDD	11.358	235	231577	124.99	ng	91
94)	Butylbenzylphthalate	11.620	149	341766	126.91	ng	77
95)	p,p'-DDT	11.711	235	191895	130.55	ng	96
96)	3,3'-Dichlorobenzidine	12.230	252	156092	125.85	ng	98
97)	Benzo[a]anthracene	12.246	228	611358	122.86	ng	97
98)	Chrysene	12.294	228	566683	121.00	ng	95
99)	bis(2-Ethylhexyl)phtha...	12.320	149	451316	126.23	ng	93
101)	Di-n-octylphthalate	13.069	149	845927	131.59	ng	99
102)	Benzo[b]fluoranthene	13.460	252	517942	122.22	ng	98
103)	Benzo[k]fluoranthene	13.492	252	507332	125.10	ng	96
104)	Benzo[a]pyrene	13.797	252	495039	123.26	ng	99
105)	Indeno[1,2,3-cd]pyrene	14.989	276	467054	120.68	ng	96
106)	Dibenzo[a,h]anthracene	15.011	278	401268	121.50	ng	98
107)	Benzo[g,h,i]perylene	15.310	276	400806	121.40	ng	96

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M31002.D
Acq On : 12/13/10 15:08
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 15:26
Qt Upd On: 12/13/10 15:07
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30993.D Sam Mult : 1 Vial# : 4 Qt On : 12/13/10 11:17
Acq On : 12/13/10 10:58 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.416	152	46093	40.00	ng	-0.05
29) Naphthalene-d8	6.437	136	179656	40.00	ng	-0.05
47) Acenaphthene-d10	7.812	164	109217	40.00	ng	-0.05
74) Phenanthrene-d10	9.229	188	191208	40.00	ng	-0.05
88) Chrysene-d12	12.256	240	171088	40.00	ng	-0.05
100) Perylene-d12	13.850	264	138636	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	267065	179.11	ng	-0.05
Spiked Amount 100.000			Recovery = 179.11%			
15) Phenol-d5	5.121	99	391854	181.91	ng	-0.03
Spiked Amount 100.000			Recovery = 181.91%			
30) Nitrobenzene-d5	5.881	128	63612	83.44	ng	-0.04
Spiked Amount 50.000			Recovery = 166.88%			
52) 2-Fluorobiphenyl	7.255	172	266970	80.22	ng	-0.04
Spiked Amount 50.000			Recovery = 160.44%			
77) 2,4,6-Tribromophenol	8.534	330	45769	169.96	ng	-0.05
Spiked Amount 100.000			Recovery = 169.96%			
91) Terphenyl-d14	11.021	244	253786	81.13	ng	-0.05
Spiked Amount 50.000			Recovery = 162.26%			
Target Compounds						Qvalue
8) Pyridine	2.388	79	276754	176.53	ng	67
9) N-Nitrosodimethylamine	2.351	74	151567	165.20	ng	73
11) Benzaldehyde	5.036	77	206183	228.25	ng	79
12) Aniline	5.137	93	459879	188.20	ng	20
13) Pentachloroethane	5.169	117	87786	162.41	ng	89
14) bis(2-Chloroethyl)ether	5.207	93	258237	169.38	ng	79
16) Phenol	5.137	94	419013	176.11	ng	68
17) 2-Chlorophenol	5.239	128	291928	182.40	ng	77
18) N-Decane	5.287	57	244846	150.32	ng	83
19) 1,3-Dichlorobenzene	5.367	146	272930	158.43	ng	98
20) 1,4-Dichlorobenzene	5.432	146	276433	157.38	ng	96
21) 1,2-Dichlorobenzene	5.555	146	267622	162.18	ng	96
22) Benzyl alcohol	5.549	108	190919	165.85	ng	67
23) bis(2-chloroisopropyl)...	5.662	45	274510	151.38	ng	89
24) 2-Methylphenol	5.646	108	272426	177.83	ng	86
25) Acetophenone	5.763	105	345302	152.61	ng	61
26) Hexachloroethane	5.833	117	101957	156.16	ng	92
27) N-Nitroso-di-n-propyla...	5.769	70	180859	149.16	ng	70
28) 3&4-Methylphenol	5.779	108	282638	166.38	ng	87
31) Nitrobenzene	5.902	77	254777	147.67	ng	73
32) Isophorone	6.089	82	500074	151.37	ng	89
33) 2-Nitrophenol	6.148	139	148100	170.68	ng	88
34) 2,4-Dimethylphenol	6.191	107	256487	163.77	ng	85
35) Benzoic Acid	6.298	105	193872m	286.44	ng	
36) bis(2-Chloroethoxy)met...	6.261	93	296910	159.09	ng	98
37) 2,4-Dichlorophenol	6.335	162	221170	164.88	ng	89
38) 1,2,4-Trichlorobenzene	6.394	180	223070	157.88	ng	98
39) Naphthalene	6.453	128	767748	160.57	ng	99
40) 4-Chloroaniline	6.496	127	232700	143.74	ng	99
41) Hexachlorobutadiene	6.544	225	95836	156.25	ng	99
42) Caprolactam	6.806	113	106318	172.04	ng	67
43) 4-Chloro-3-methylphenol	6.865	107	241804	167.76	ng	74
44) 2-Methylnaphthalene	6.972	142	523231	162.21	ng	91
45) Methylnaphthalenes (To...	6.972	142	523231	162.21	ng	91
46) 1,1'-Biphenyl	7.336	154	663127	156.95	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	212417	158.87	ng	99
49) Hexachlorocyclopentadiene	7.090	237	80830	181.53	ng	97
50) 2,4,6-Trichlorophenol	7.191	196	148611	170.90	ng	99
51) 2,4,5-Trichlorophenol	7.229	196	157141	167.48	ng	98
53) 2-Chloronaphthalene	7.357	162	468196	159.26	ng	90
54) 1,4-Dimethylnaphthalene	7.625	156	405978	156.07	ng	79
55) Dimethylnaphthalenes (...	7.625	156	405978	156.07	ng	79
56) Diphenyl Ether	7.416	170	362560	159.05	ng	73
57) 2-Nitroaniline	7.437	65	139415	122.56	ng	56
58) Coumarin	7.619	146	211632	158.36	ng	71
59) Acenaphthylene	7.699	152	782534	156.65	ng	98
60) Dimethylphthalate	7.587	163	521581	156.47	ng	99
61) 2,6-Dinitrotoluene	7.641	165	121578	162.00	ng	57
62) Acenaphthene	7.844	153	465529	155.43	ng	92
63) 3-Nitroaniline	7.785	138	126181	145.71	ng	84
64) 2,4-Dinitrophenol	7.876	184	80893	214.45	ng	88
65) Dibenzofuran	7.994	168	676099	155.59	ng	80

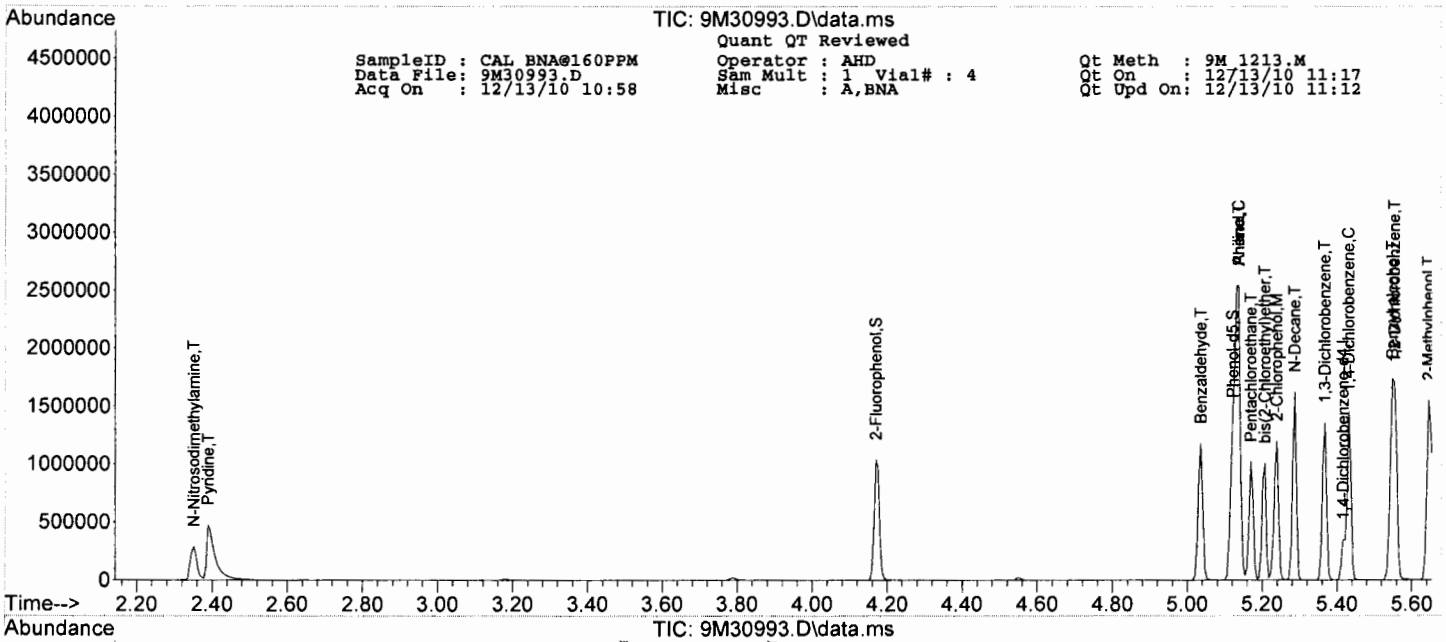
Quantitation Report (QT Reviewed)

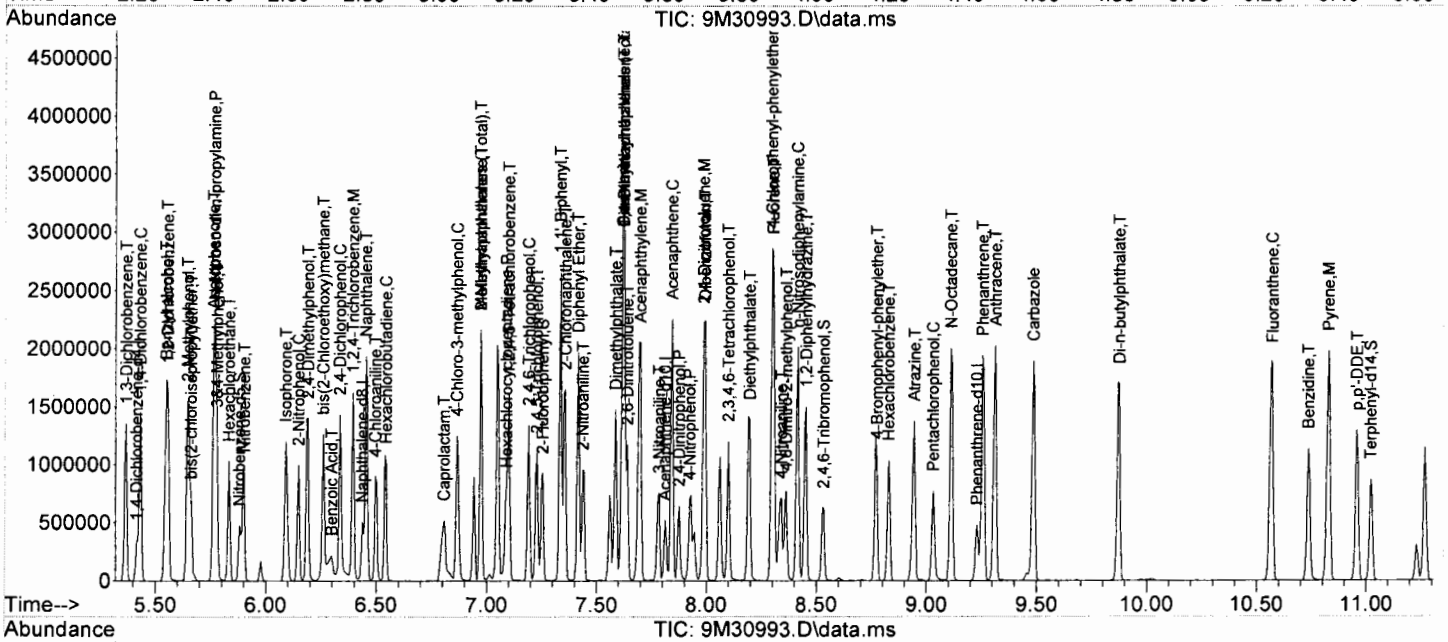
SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30993.D Sam Mult : 1 Vial# : 4 Qt On : 12/13/10 11:17
Acq On : 12/13/10 10:58 Misc : A,BNA Qt Upd On: 12/13/10 11:12

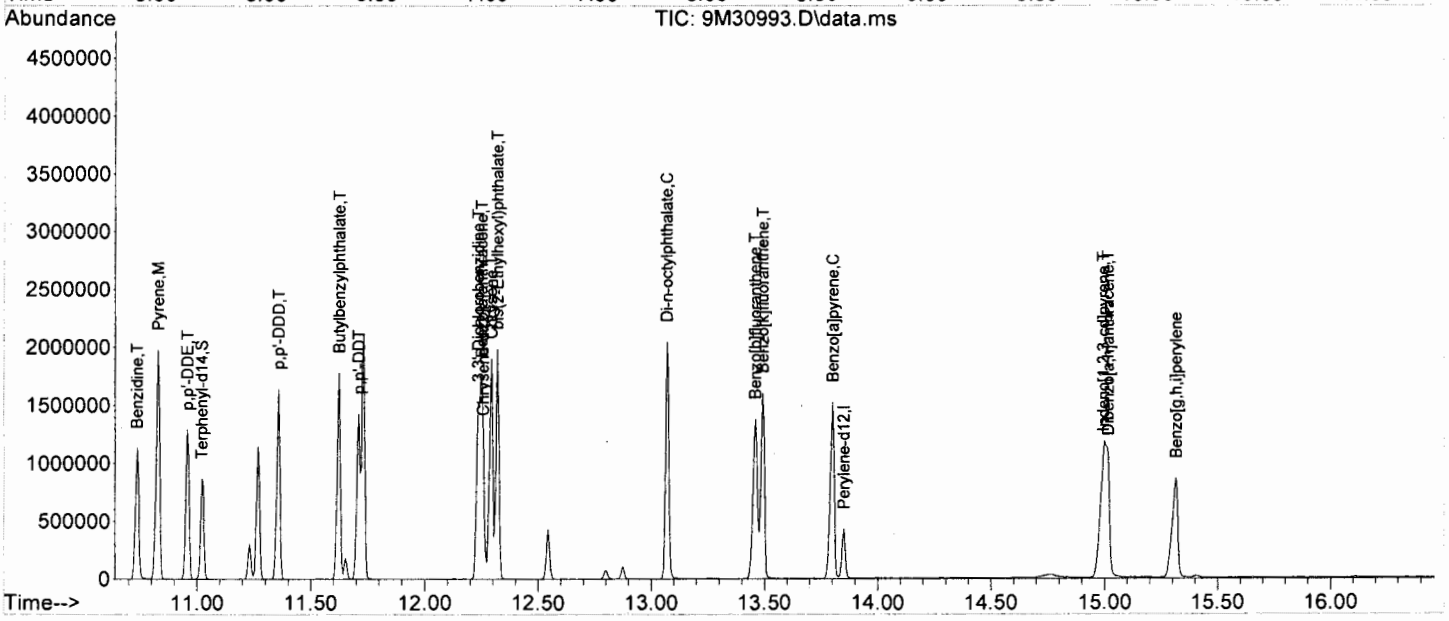
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.988	165	164025	162.72 ng	80
67) 4-Nitrophenol	7.924	65	112873	166.96 ng	89
68) 2,3,4,6-Tetrachlorophenol	8.101	232	113636	177.11 ng	85
69) Fluorene	8.304	166	575280	158.29 ng	92
70) 4-Chlorophenyl-phenyle...	8.298	204	254950	159.74 ng	84
71) Diethylphthalate	8.197	149	518752	155.25 ng	96
72) 4-Nitroaniline	8.341	138	171734	169.19 ng	74
73) Atrazine	8.946	200	155394	166.51 ng	92
75) 4,6-Dinitro-2-methylph...	8.363	198	105166	186.48 ng	63
76) n-Nitrosodiphenylamine	8.416	169	517700	158.26 ng	91
78) 1,2-Diphenylhydrazine	8.454	77	558371	159.30 ng	78
79) 4-Bromophenyl-phenylether	8.774	248	127513	164.01 ng	85
80) Hexachlorobenzene	8.828	284	110863	156.85 ng	80
81) N-Octadecane	9.111	57	338850	167.12 ng	76
82) Pentachlorophenol	9.031	266	77435	201.09 ng	98
83) Phenanthrene	9.256	178	827269	158.16 ng	96
84) Anthracene	9.315	178	841822	156.28 ng	97
85) Carbazole	9.486	167	851300	162.30 ng	94
86) Di-n-butylphthalate	9.876	149	975231	167.96 ng	97
87) Fluoranthene	10.572	202	907531	164.14 ng	90
89) Pyrene	10.828	202	904773	160.31 ng	91
90) Benzidine	10.737	184	472916	214.64 ng	85
92) p,p'-DDE	10.957	246	131657	162.00 ng	97
93) p,p'-DDD	11.358	235	295667	164.90 ng	91
94) Butylbenzylphthalate	11.625	149	438612	168.80 ng	73
95) p,p'-DDT	11.711	235	246545	173.86 ng	96
96) 3,3'-Dichlorobenzidine	12.235	252	176038	146.23 ng	97
97) Benzo[a]anthracene	12.251	228	784974	160.74 ng	96
98) Chrysene	12.294	228	724499	156.26 ng	95
99) bis(2-Ethylhexyl)phtha...	12.321	149	581421	162.21 ng	93
101) Di-n-octylphthalate	13.069	149	1076716	183.19 ng	100
102) Benzo[b]fluoranthene	13.460	252	696543	174.62 ng	99
103) Benzo[k]fluoranthene	13.492	252	619966	160.44 ng	98
104) Benzo[a]pyrene	13.802	252	634348	166.67 ng	97
105) Indeno[1,2,3-cd]pyrene	14.995	276	589799	160.56 ng	98
106) Dibenzo[a,h]anthracene	15.016	278	494869	159.55 ng	97
107) Benzo[g,h,i]perylene	15.316	276	495709	160.68 ng	97

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


Abundance
TIC: 9M30993.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M30993.D
Acq On : 12/13/10 10:58
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 11:17
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
2-Methylphenol,T
Time-->


Abundance
TIC: 9M30993.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2-Fluorobiphenyl,I
2-Chloronaphthalene,T
Diphenyl Ether,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,I
4-Nitrophenol,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M30993.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30992.D Sam Mult : 1 Vial# : 3 Qt On : 12/13/10 11:13
Acq On : 12/13/10 10:35 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.421	152	47964	40.00	ng	-0.04
29) Naphthalene-d8	6.442	136	189073	40.00	ng	-0.04
47) Acenaphthene-d10	7.817	164	118235	40.00	ng	-0.04
74) Phenanthrene-d10	9.235	188	202508	40.00	ng	-0.05
88) Chrysene-d12	12.262	240	176423	40.00	ng	-0.05
100) Perylene-d12	13.856	264	140470	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.175	112	355167	228.90	ng	-0.04
Spiked Amount 100.000			Recovery = 228.90%			
15) Phenol-d5	5.127	99	466446	208.10	ng	-0.03
Spiked Amount 100.000			Recovery = 208.10%			
30) Nitrobenzene-d5	5.886	128	78270	97.55	ng	-0.04
Spiked Amount 50.000			Recovery = 195.10%			
52) 2-Fluorobiphenyl	7.255	172	327130	90.80	ng	-0.04
Spiked Amount 50.000			Recovery = 181.60%			
77) 2,4,6-Tribromophenol	8.539	330	59414	208.32	ng	-0.04
Spiked Amount 100.000			Recovery = 208.32%			
91) Terphenyl-d14	11.026	244	320936	99.50	ng	-0.05
Spiked Amount 50.000			Recovery = 199.00%			
Target Compounds						Qvalue
8) Pyridine	2.388	79	353836	216.89	ng	70
9) N-Nitrosodimethylamine	2.356	74	203861	213.53	ng	75
11) Benzaldehyde	5.036	77	219444	233.46	ng	71
12) Aniline	5.137	93	536993	211.19	ng	25
13) Pentachloroethane	5.170	117	100085	177.94	ng	86
14) bis(2-Chloroethyl)ether	5.207	93	297217	187.34	ng	77
16) Phenol	5.137	94	488059	197.12	ng	83
17) 2-Chlorophenol	5.239	128	346861	208.27	ng	77
18) N-Decane	5.287	57	281434	166.05	ng	82
19) 1,3-Dichlorobenzene	5.367	146	338937	189.07	ng	96
20) 1,4-Dichlorobenzene	5.432	146	343582	187.98	ng	97
21) 1,2-Dichlorobenzene	5.560	146	320106	186.42	ng	99
22) Benzyl alcohol	5.549	108	237303	198.10	ng	69
23) bis(2-chloroisopropyl)...	5.662	45	338249	179.25	ng	86
24) 2-Methylphenol	5.646	108	342146	214.63	ng	86
25) Acetophenone	5.769	105	435029	184.76	ng	59
26) Hexachloroethane	5.833	117	125466	184.67	ng	96
27) N-Nitroso-di-n-propyla...	5.774	70	228410	181.03	ng	71
28) 3&4-Methylphenol	5.779	108	357111	202.02	ng	89
31) Nitrobenzene	5.902	77	321976	177.32	ng	78
32) Isophorone	6.095	82	619575	178.20	ng	87
33) 2-Nitrophenol	6.148	139	186953	204.73	ng	90
34) 2,4-Dimethylphenol	6.191	107	320052	194.18	ng	86
35) Benzoic Acid	6.314	105	251851m	353.57	ng	
36) bis(2-Chloroethoxy)met...	6.266	93	370360	188.56	ng	95
37) 2,4-Dichlorophenol	6.341	162	274981	194.78	ng	87
38) 1,2,4-Trichlorobenzene	6.394	180	281443	189.27	ng	95
39) Naphthalene	6.459	128	953629	189.51	ng	100
40) 4-Chloroaniline	6.501	127	253842	148.99	ng	100
41) Hexachlorobutadiene	6.544	225	121072	187.56	ng	97
42) Caprolactam	6.822	113	117155	180.14	ng	56
43) 4-Chloro-3-methylphenol	6.870	107	298380	196.70	ng	74
44) 2-Methylnaphthalene	6.977	142	644493	189.85	ng	91
45) Methylnaphthalenes (To...	6.977	142	644493	189.85	ng	91
46) 1,1'-Biphenyl	7.336	154	825938	185.75	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	262496	181.35	ng	98
49) Hexachlorocyclopentadiene	7.090	237	101471	210.51	ng	97
50) 2,4,6-Trichlorophenol	7.191	196	184329	195.80	ng	100
51) 2,4,5-Trichlorophenol	7.229	196	195826	192.79	ng	97
53) 2-Chloronaphthalene	7.357	162	570356	179.21	ng	90
54) 1,4-Dimethylnaphthalene	7.625	156	507169	180.10	ng	81
55) Dimethylnaphthalenes (...	7.625	156	507169	180.10	ng	81
56) Diphenyl Ether	7.421	170	453639	183.83	ng	67
57) 2-Nitroaniline	7.443	65	175012	142.12	ng	54
58) Coumarin	7.625	146	269049	185.97	ng	70
59) Acenaphthylene	7.699	152	976862	180.64	ng	99
60) Dimethylphthalate	7.592	163	650968	180.39	ng	99
61) 2,6-Dinitrotoluene	7.646	165	149061	183.48	ng	57
62) Acenaphthene	7.849	153	585605	180.60	ng	93
63) 3-Nitroaniline	7.790	138	155665	166.04	ng	87
64) 2,4-Dinitrophenol	7.881	184	102838	251.83	ng	88
65) Dibenzofuran	7.999	168	843924	179.40	ng	79

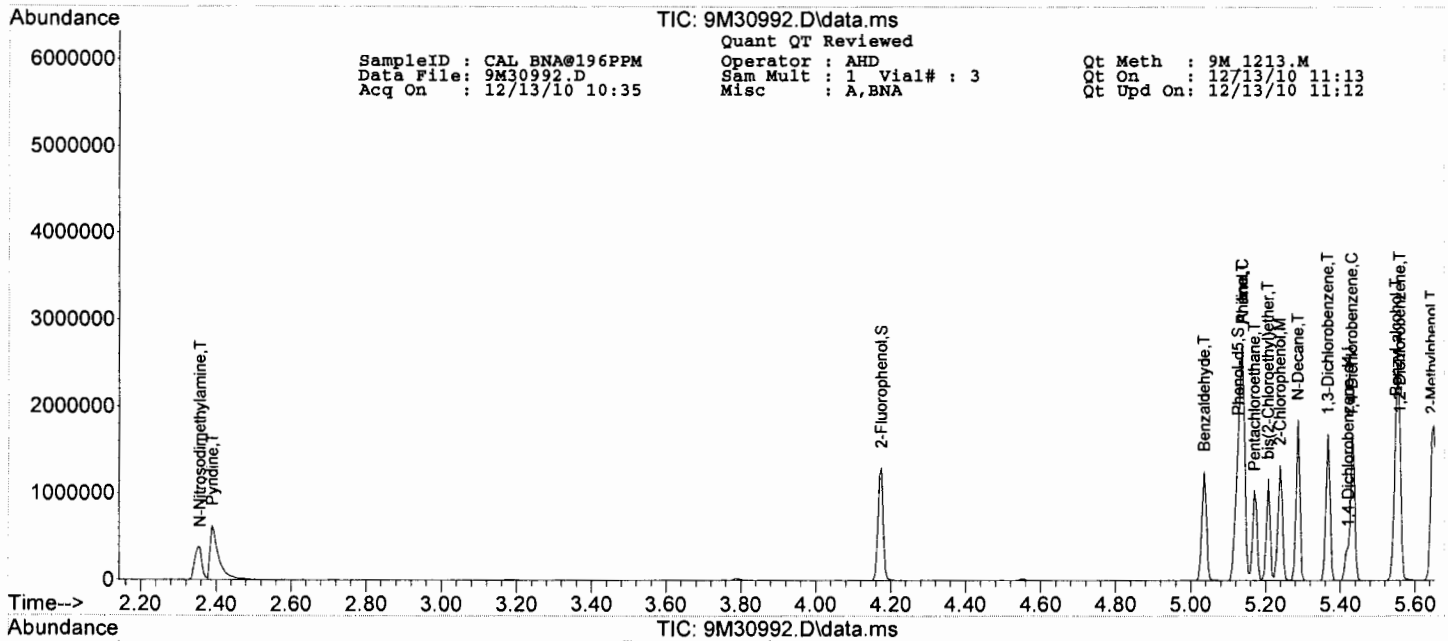
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30992.D Sam Mult : 1 Vial# : 3 Qt On : 12/13/10 11:13
Acq On : 12/13/10 10:35 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.994	165	206025	188.79 ng	82
67) 4-Nitrophenol	7.935	65	141581	193.45 ng	83
68) 2,3,4,6-Tetrachlorophenol	8.106	232	141477	203.68 ng	85
69) Fluorene	8.309	166	725606	184.43 ng	92
70) 4-Chlorophenyl-phenyle...	8.304	204	316916	183.42 ng	80
71) Diethylphthalate	8.197	149	640166	176.98 ng	98
72) 4-Nitroaniline	8.347	138	207686m	189.01 ng	
73) Atrazine	8.951	200	193397	191.43 ng	92
75) 4,6-Dinitro-2-methylph...	8.368	198	134184	224.66 ng	58
76) n-Nitrosodiphenylamine	8.422	169	657690	189.84 ng	89
78) 1,2-Diphenylhydrazine	8.454	77	700947	188.82 ng	83
79) 4-Bromophenyl-phenylether	8.775	248	159518	193.73 ng	93
80) Hexachlorobenzene	8.833	284	141830	189.47 ng	74
81) N-Octadecane	9.117	57	427627	199.13 ng	75
82) Pentachlorophenol	9.037	266	98446	241.39 ng	95
83) Phenanthrene	9.261	178	1021418	184.38 ng	96
84) Anthracene	9.320	178	1049288	183.92 ng	96
85) Carbazole	9.491	167	1061368	191.05 ng	94
86) Di-n-butylphthalate	9.876	149	1217254	197.94 ng	97
87) Fluoranthene	10.577	202	1109472	189.47 ng	89
89) Pyrene	10.834	202	1125335	193.35 ng	90
90) Benzidine	10.743	184	559368	246.20 ng	86
92) p,p'-DDE	10.962	246	162736	194.19 ng	96
93) p,p'-DDD	11.363	235	367621	198.83 ng	91
94) Butylbenzylphthalate	11.631	149	554093	206.79 ng	72
95) p,p'-DDT	11.716	235	311207	212.82 ng	97
96) 3,3'-Dichlorobenzidine	12.235	252	199575	160.77 ng	96
97) Benzo[a]anthracene	12.251	228	966012	191.83 ng	96
98) Chrysene	12.299	228	892331	186.64 ng	94
99) bis(2-Ethylhexyl)phtha...	12.326	149	726755	196.62 ng	92
101) Di-n-octylphthalate	13.075	149	1335712	224.28 ng	99
102) Benzo[b]fluoranthene	13.465	252	839581	207.73 ng	96
103) Benzo[k]fluoranthene	13.497	252	728134	185.97 ng	99
104) Benzo[a]pyrene	13.808	252	754617	195.68 ng	96
105) Indeno[1,2,3-cd]pyrene	15.000	276	683327	183.59 ng	78
106) Dibenzo[a,h]anthracene	15.022	278	575094	182.99 ng	96
107) Benzo[g,h,i]perylene	15.327	276	571405	182.80 ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed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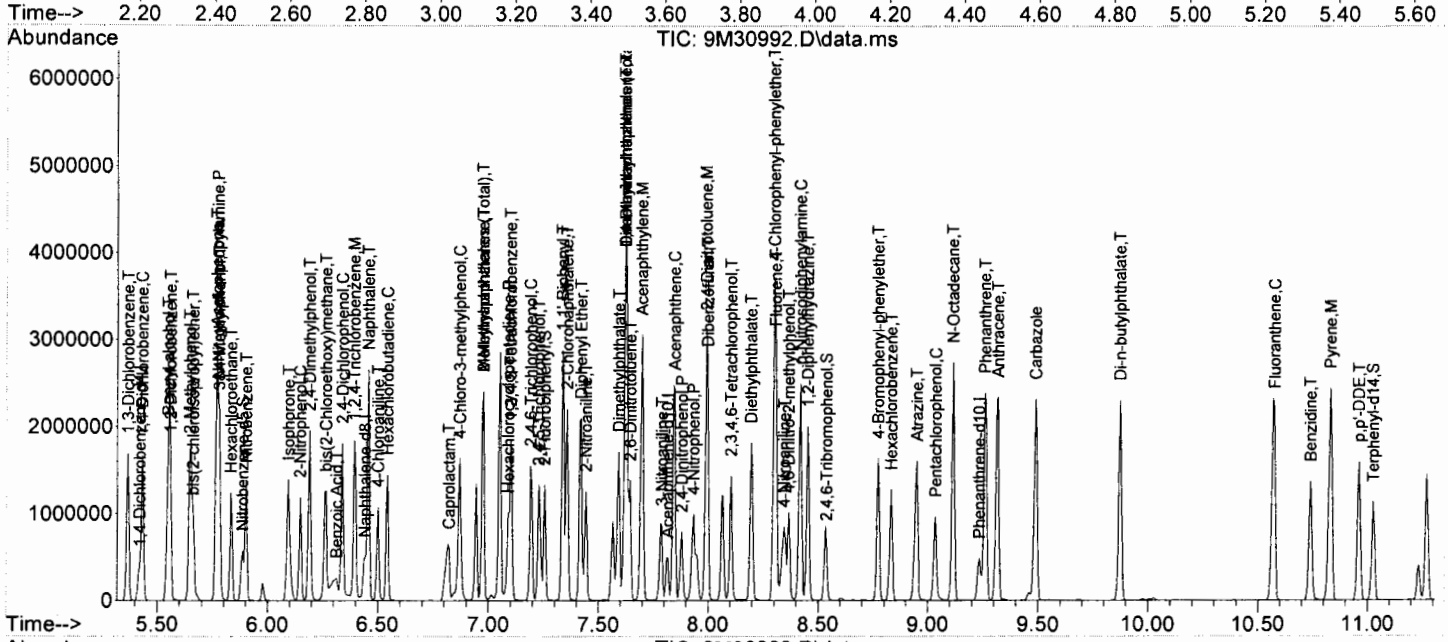
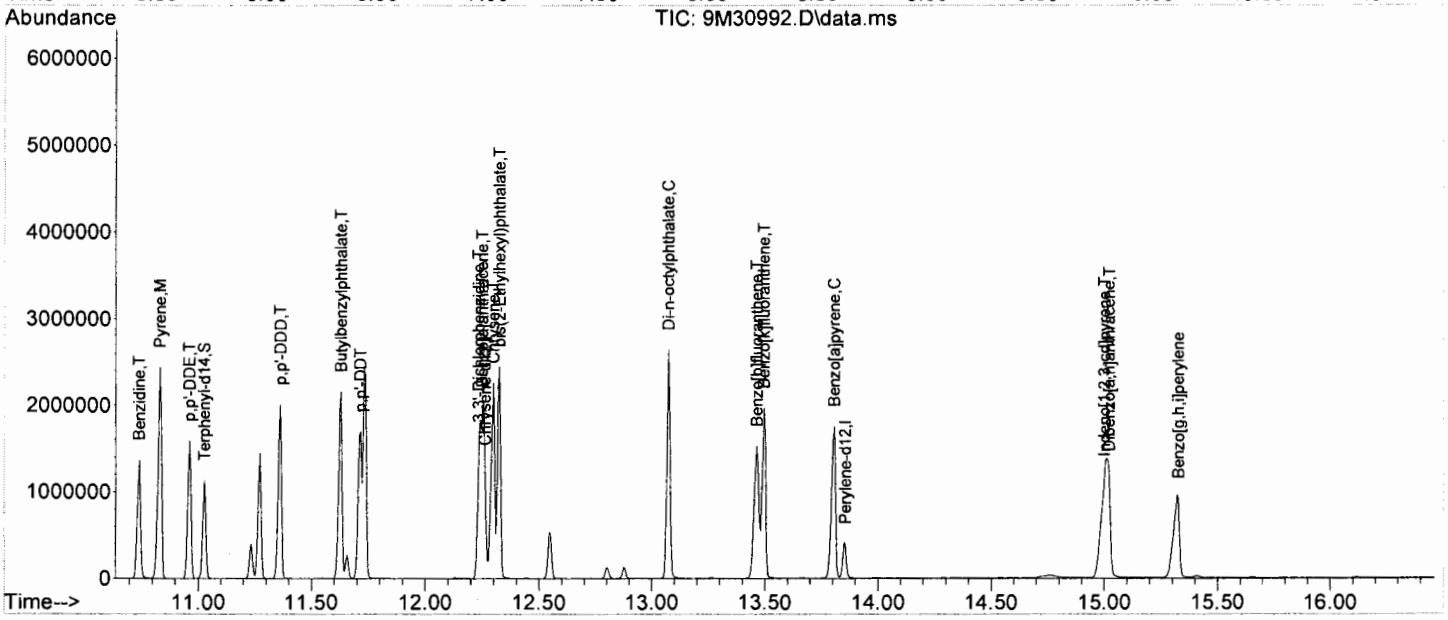
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M30992.D
Acq On : 12/13/10 10:35
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 11:13
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,I
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M30992.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Hexachloroethane,T
Nitrobenzene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Nitrophenol,T
2,4-Dichlorophenol,C
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M30992.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30999.D Sam Mult : 1 Vial# : 10 Qt On : 12/13/10 14:22
Acq On : 12/13/10 13:17 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.416	152	44764	40.00 ng	-0.05
29) Naphthalene-d8	6.432	136	182847	40.00 ng	-0.05
47) Acenaphthene-d10	7.806	164	107184	40.00 ng	-0.05
74) Phenanthrene-d10	9.224	188	185945	40.00 ng	-0.06
88) Chrysene-d12	12.246	240	169823	40.00 ng	-0.06
100) Perylene-d12	13.845	264	153625	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.180	112	792	0.55 ng	-0.04
Spiked Amount 100.000			Recovery =	0.55%	
15) Phenol-d5	5.116	99	941	0.45 ng	-0.04
Spiked Amount 100.000			Recovery =	0.45%	
30) Nitrobenzene-d5	5.881	128	168	0.22 ng	-0.04
Spiked Amount 50.000			Recovery =	0.44%	
52) 2-Fluorobiphenyl	7.250	172	766	0.23 ng	-0.05
Spiked Amount 50.000			Recovery =	0.46%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	11.016	244	773	0.25 ng	-0.06
Spiked Amount 50.000			Recovery =	0.50%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D.	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.640	108	922m	0.62 ng	
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.769	108	751m	0.46 ng	
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.181	107	1013m	0.64 ng	
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.448	128	3095	0.64 ng	82
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D.	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	7.983	168	2461	0.58 ng	75

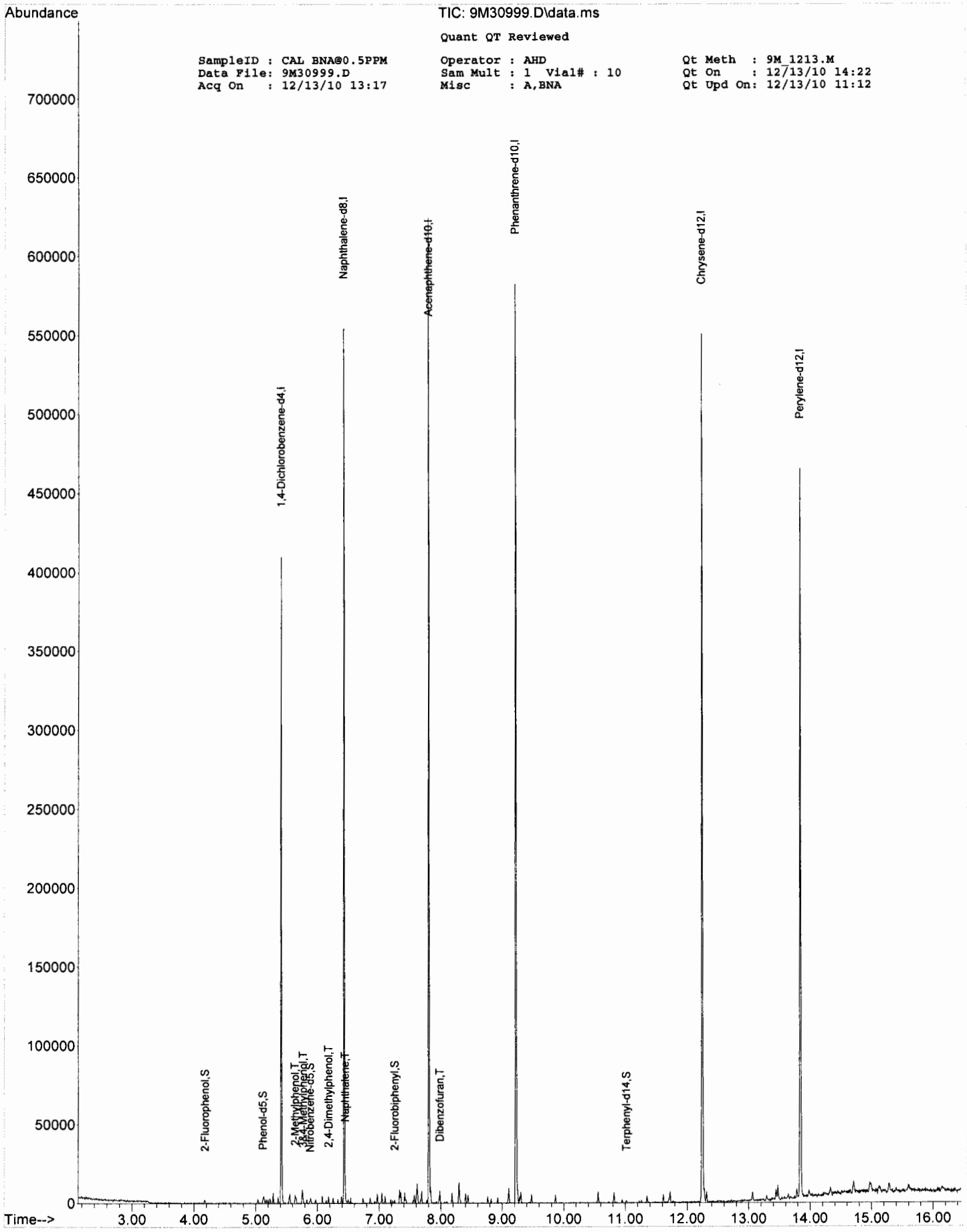
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30999.D Sam Mult : 1 Vial# : 10 Qt On : 12/13/10 14:22
Acq On : 12/13/10 13:17 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D. d	
67)	4-Nitrophenol	0.000		0	N.D. d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
69)	Fluorene	0.000		0	N.D. d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D. d	
71)	Diethylphthalate	0.000		0	N.D. d	
72)	4-Nitroaniline	0.000		0	N.D. d	
73)	Atrazine	0.000		0	N.D. d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.	
76)	n-Nitrosodiphenylamine	0.000		0	N.D. d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D. d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D. d	
80)	Hexachlorobenzene	0.000		0	N.D. d	
81)	N-Octadecane	0.000		0	N.D. d	
82)	Pentachlorophenol	0.000		0	N.D.	
83)	Phenanthrene	0.000		0	N.D. d	
84)	Anthracene	0.000		0	N.D. d	
85)	Carbazole	0.000		0	N.D. d	
86)	Di-n-butylphthalate	0.000		0	N.D. d	
87)	Fluoranthene	0.000		0	N.D. d	
89)	Pyrene	0.000		0	N.D. d	
90)	Benzidine	0.000		0	N.D. d	
92)	p,p'-DDE	0.000		0	N.D. d	
93)	p,p'-DDD	0.000		0	N.D. d	
94)	Butylbenzylphthalate	0.000		0	N.D. d	
95)	p,p'-DDT	0.000		0	N.D. d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D. d	
97)	Benzo[a]anthracene	0.000		0	N.D. d	
98)	Chrysene	0.000		0	N.D. d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D. d	
101)	Di-n-octylphthalate	0.000		0	N.D. d	
102)	Benzo[b]fluoranthene	0.000		0	N.D. d	
103)	Benzo[k]fluoranthene	0.000		0	N.D. d	
104)	Benzo[a]pyrene	0.000		0	N.D. d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D. d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D. d	

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


Abundance
TIC: 9M30999.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 9M30999.D
Acq On : 12/13/10 13:17
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:22
Qt Upd On: 12/13/10 11:12
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
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Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
2-Methylphenol,T
3&4-Methylphenol,T
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene,T
2-Fluorobiphenyl,S
Dibenzofuran,T
Terphenyl-d14,S
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M31321.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/28/2010 12:43:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.29	40.00	40				0.000	0.00	
Pyridine	1	0		2.21	52.93	50			1.355	1.580	5.86	
N-Nitrosodimethylamine	1	0		2.17	55.40	50			0.816	0.904	10.80	
2-Fluorophenol	1	0	S	4.04	50.13	50			1.415	1.419	0.26	
Benzaldehyde	1	0		4.90	32.00	50			1.053	0.674	36.00	
Aniline	1	0		5.01	51.80	50			2.161	2.459	3.60	
Pentachloroethane	1	0		5.04	49.45	50			0.462	0.457	1.10	
bis(2-Chloroethyl)ether	1	0		5.08	51.23	50			1.348	1.381	2.46	
Phenol-d5	1	0	S	5.01	53.61	50			1.964	2.106	7.22	
Phenol	1	0	CC	5.02	52.28	50	20		2.160	2.258	4.56	
2-Chlorophenol	1	0		5.11	51.15	50			1.529	1.564	2.30	
N-Decane	1	0		5.16	52.20	50			1.389	1.450	4.40	
1.3-Dichlorobenzene	1	0		5.24	50.38	50			1.519	1.530	0.76	
1.4-Dichlorobenzene	1	0	CC	5.31	51.04	50	20		1.540	1.572	2.08	
1.2-Dichlorobenzene	1	0		5.43	51.05	50			1.471	1.502	2.10	
Benzyl alcohol	1	0		5.42	51.74	50			1.009	1.044	3.48	
bis(2-chloroisopropyl)ether	1	0		5.54	52.89	50			1.636	1.731	5.78	
2-Methylphenol	1	0		5.53	49.62	50			1.506	1.495	0.76	
Acetophenone	1	0		5.64	51.35	50			2.004	2.059	2.70	
Hexachloroethane	1	0		5.71	50.19	50			0.590	0.593	0.38	
N-Nitroso-di-n-propylamine	1	0	CP	5.64	50.53	50	0.05		1.113	1.125	1.06	
3&4-Methylphenol	1	0		5.66	51.38	50			1.531	1.574	2.76	
Naphthalene-d8	1	0	I	6.32	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.76	24.26	25			0.172	0.167	2.96	
Nitrobenzene	1	0		5.77	50.13	50			0.391	0.392	0.26	
Isophorone	1	0		5.96	52.81	50			0.717	0.757	5.62	
2-Nitrophenol	1	0	CC	6.02	51.90	50	20		0.199	0.207	3.80	
2.4-Dimethylphenol	1	0		6.07	51.47	50			0.368	0.379	2.94	
Benzoic Acid	1	0		6.16	58.80	50			0.217	0.251	17.60	
bis(2-Chloroethoxy)methane	1	0		6.14	52.40	50			0.431	0.451	4.80	
2.4-Dichlorophenol	1	0	CC	6.22	51.05	50	20		0.297	0.303	2.10	
1.2.4-Trichlorobenzene	1	0		6.27	50.00	50			0.317	0.317	0.00	
Naphthalene	1	0		6.33	48.22	50			1.130	1.090	3.56	
4-Chloroaniline	1	0		6.38	56.16	50			0.358	0.467	12.32	
Hexachlorobutadiene	1	0	CC	6.42	50.75	50	20		0.137	0.139	1.50	
Caprolactam	1	0		6.65	53.53	50			0.144	0.154	7.06	
4-Chloro-3-methylphenol	1	0	CC	6.75	52.44	50	20		0.334	0.351	4.88	
2-Methylnaphthalene	1	0		6.85	49.96	50			0.743	0.742	0.08	
Methylnaphthalenes	1	0		6.85	49.96	50	20			0.742	0.08	
1.1'-Biphenyl	1	0		7.21	49.19	50			0.949	0.934	1.62	
Acenaphthene-d10	1	0	I	7.67	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		6.98	54.01	50			0.487	0.526	8.02	
Hexachlorocyclopentadiene	1	0	CP	6.96	29.36	50	0.05		0.146	0.081	41.28	
2.4.6-Trichlorophenol	1	0	CC	7.07	52.54	50	20		0.329	0.345	5.08	
2.4.5-Trichlorophenol	1	0		7.10	53.76	50			0.343	0.369	7.52	
2-Fluorobiphenyl	1	0	S	7.13	25.88	25			1.216	1.259	3.52	
2-Chloronaphthalene	1	0		7.22	52.23	50			1.095	1.144	4.46	
1.4-Dimethylnaphthalene	1	0		7.48	50.52	50			0.956	0.966	1.04	
Dimethylnaphthalenes	1	0		7.48	50.52	50	20			0.966	1.04	
Diphenyl Ether	1	0		7.29	51.56	50			0.838	0.864	3.12	
2-Nitroaniline	1	0		7.31	52.31	50			0.392	0.461	4.62	
Coumarin	1	0		7.48	52.84				0.487			
Acenaphthylene	1	0		7.56	52.71	50			1.838	1.938	5.42	
Dimethylphthalate	1	0		7.45	53.39	50			1.211	1.293	6.78	
2.6-Dinitrotoluene	1	0		7.50	55.02	50			0.272	0.299	10.04	
Acenaphthene	1	0	CC	7.70	55.30	50	20		1.086	1.202	10.60	
3-Nitroaniline	1	0		7.64	59.41	50			0.317	0.376	18.82	
2.4-Dinitrophenol	1	0	CP	7.73	51.68	50	0.05		0.147	0.149	3.36	
Dibenzofuran	1	0		7.85	50.46	50			1.620	1.635	0.92	
2.4-Dinitrotoluene	1	0		7.84	54.46	50			0.365	0.397	8.92	
4-Nitrophenol	1	0	CP	7.80	50.68	50	0.05		0.237	0.241	1.36	
2.3.4.6-Tetrachlorophenol	1	0		7.96	49.35	50			0.239	0.236	1.30	
Fluorene	1	0		8.16	51.82	50			1.349	1.398	3.64	
4-Chlorophenyl-phenylether	1	0		8.15	50.22	50			0.583	0.586	0.44	
Diethylphthalate	1	0		8.05	55.20	50			1.178	1.301	10.40	
4-Nitroaniline	1	0		8.18	56.27	50			0.383	0.431	12.54	
Atrazine	1	0		8.79	55.67	50			0.340	0.378	11.34	
Phenanthrene-d10	1	0	I	9.07	40.00	40				0.000	0.00	
4.6-Dinitro-2-methylphenol	1	0		8.21	52.92	50			0.112	0.130	5.84	
n-Nitrosodiphenylamine	1	0	CC	8.26	48.44	50	20		0.703	0.681	3.12	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M31321.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/28/2010 12:43:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.38	53.46	50			0.060	0.065	6.92	
1,2-Diphenylhydrazine	1	0		8.30	55.80	50			0.759	0.847	11.60	
4-Bromophenyl-phenylether	1	0		8.62	49.49	50			0.166	0.164	1.02	
Hexachlorobenzene	1	0		8.67	52.40	50			0.150	0.158	4.80	
N-Octadecane	1	0		8.97	54.19	50			0.446	0.518	8.38	
Pentachlorophenol	1	0	CC	8.88	47.16	50	20		0.087	0.074	5.68	
Phenanthrene	1	0		9.09	50.55	50			1.116	1.129	1.10	
Anthracene	1	0		9.15	51.41	50			1.139	1.172	2.82	
Carbazole	1	0		9.32	52.02	50			1.121	1.166	4.04	
Di-n-butylphthalate	1	0		9.71	56.32	50			1.240	1.397	12.64	
Fluoranthene	1	0	CC	10.40	51.94	50	20		1.166	1.211	3.88	
Chrysene-d12	1	0	I	12.08	40.00	40				0.000	0.00	
Pyrene	1	0		10.66	49.79	50			1.323	1.318	0.42	
Benzidine	1	0		10.57	46.25	50			0.593	0.633	7.50	
Terphenyl-d14	1	0	S	10.85	24.25	25			0.753	0.731	3.00	
p,p'-DDE	1	0		10.79	53.45				0.190			
p,p'-DDD	1	0		11.19	51.29				0.432			
Butylbenzylphthalate	1	0		11.45	54.20	50			0.626	0.679	8.40	
p,p'-DDT	1	0		11.54	54.15				0.343			
3,3'-Dichlorobenzidine	1	0		12.06	54.60	50			0.291	0.361	9.20	
Benzo[a]anthracene	1	0		12.07	51.12	50			1.158	1.184	2.24	
Chrysene	1	0		12.11	52.00	50			1.091	1.135	4.00	
bis(2-Ethylhexyl)phthalate	1	0		12.16	57.17	50			0.834	0.953	14.34	
Perylene-d12	1	0	I	13.67	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.91	47.75	50	20		1.811	1.835	4.50	
Benzo[b]fluoranthene	1	0		13.28	48.07	50			1.189	1.143	3.86	
Benzo[k]fluoranthene	1	0		13.31	49.31	50			1.139	1.124	1.38	
Benzo[a]pyrene	1	0	CC	13.62	48.89	50	20		1.127	1.102	2.22	
Indeno[1,2,3-cd]pyrene	1	0		14.76	49.92	50			1.087	1.085	0.16	
Dibenzo[a,h]anthracene	1	0		14.78	49.69	50			0.929	0.923	0.62	
Benzo[g,h,i]perylene	1	0		15.06	50.18	50			0.930	0.933	0.36	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.743	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.956	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M31321.D
Acq On : 12/28/10 12:43

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_1214.M
Qt On : 12/28/10 13:12
Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-28-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.291	152	47388	40.00	ng	-0.12
29) Naphthalene-d8	6.318	136	187960	40.00	ng	-0.12
47) Acenaphthene-d10	7.671	164	108363	40.00	ng	-0.14
74) Phenanthrene-d10	9.072	188	192974	40.00	ng	-0.16
88) Chrysene-d12	12.083	240	186841	40.00	ng	-0.17
100) Perylene-d12	13.672	264	174510	40.00	ng	-0.18
System Monitoring Compounds						
10) 2-Fluorophenol	4.039	112	84027	50.13	ng	-0.13
Spiked Amount 100.000			Recovery = 50.13%			
15) Phenol-d5	5.007	99	124722	53.61	ng	-0.11
Spiked Amount 100.000			Recovery = 53.61%			
30) Nitrobenzene-d5	5.756	128	19598	24.26	ng	-0.12
Spiked Amount 50.000			Recovery = 48.52%			
52) 2-Fluorobiphenyl	7.125	172	85258	25.88	ng	-0.12
Spiked Amount 50.000			Recovery = 51.76%			
77) 2,4,6-Tribromophenol	8.382	330	15564	53.46	ng	-0.15
Spiked Amount 100.000			Recovery = 53.46%			
91) Terphenyl-d14	10.853	244	85323	24.25	ng	-0.17
Spiked Amount 50.000			Recovery = 48.50%			
Target Compounds						Qvalue
8) Pyridine	2.210	79	93583	52.93	ng	69
9) N-Nitrosodimethylamine	2.167	74	53569	55.40	ng	69
11) Benzaldehyde	4.900	77	39927	32.00	ng	79
12) Aniline	5.007	93	145649	51.80	ng	41
13) Pentachloroethane	5.039	117	27085	49.45	ng	85
14) bis(2-Chloroethyl)ether	5.077	93	81811	51.23	ng	79
16) Phenol	5.018	94	133768	52.28	ng	89
17) 2-Chlorophenol	5.109	128	92634	51.15	ng	81
18) N-Decane	5.162	57	85912	52.20	ng	82
19) 1,3-Dichlorobenzene	5.237	146	90658	50.38	ng	98
20) 1,4-Dichlorobenzene	5.307	146	93107	51.04	ng	98
21) 1,2-Dichlorobenzene	5.430	146	88957	51.05	ng	97
22) Benzyl alcohol	5.424	108	61821	51.74	ng	71
23) bis(2-chloroisopropyl)...	5.537	45	102526	52.89	ng	92
24) 2-Methylphenol	5.531	108	88553	49.62	ng	92
25) Acetophenone	5.638	105	121939	51.35	ng	60
26) Hexachloroethane	5.708	117	35107	50.19	ng	88
27) N-Nitroso-di-n-propyla...	5.644	70	66619	50.53	ng	68
28) 3&4-Methylphenol	5.660	108	93219	51.38	ng	100
31) Nitrobenzene	5.772	77	92215	50.13	ng	86
32) Isophorone	5.965	82	177841	52.81	ng	91
33) 2-Nitrophenol	6.023	139	48615	51.90	ng	92
34) 2,4-Dimethylphenol	6.072	107	88975	51.47	ng	87
35) Benzoic Acid	6.162	105	58977m	58.80	ng	
36) bis(2-Chloroethoxy)met...	6.141	93	106044	52.40	ng	98
37) 2,4-Dichlorophenol	6.221	162	71285	51.05	ng	86
38) 1,2,4-Trichlorobenzene	6.275	180	74508	50.00	ng	94
39) Naphthalene	6.334	128	256111	48.22	ng	97
40) 4-Chloroaniline	6.382	127	109801	56.16	ng	99
41) Hexachlorobutadiene	6.419	225	32768	50.75	ng	96
42) Caprolactam	6.649	113	36248	53.53	ng	72
43) 4-Chloro-3-methylphenol	6.751	107	82400	52.44	ng	85
44) 2-Methylnaphthalene	6.847	142	174306	49.96	ng	96
45) Methylnaphthalenes (To...	6.847	142	174306	49.96	ng	96
46) 1,1'-Biphenyl	7.205	154	219472	49.19	ng	94
48) 1,2,4,5-Tetrachloroben...	6.975	216	71296	54.01	ng	95
49) Hexachlorocyclopentadiene	6.959	237	11018	29.36	ng	96
50) 2,4,6-Trichlorophenol	7.066	196	46769	52.54	ng	100
51) 2,4,5-Trichlorophenol	7.104	196	49999	53.76	ng	98
53) 2-Chloronaphthalene	7.221	162	154967	52.23	ng	93
54) 1,4-Dimethylnaphthalene	7.484	156	130886	50.52	ng	89
55) Dimethylnaphthalenes (...	7.484	156	130886	50.52	ng	89
56) Diphenyl Ether	7.286	170	117000	51.56	ng	76
57) 2-Nitroaniline	7.307	65	62504	52.31	ng	51
58) Coumarin	7.478	146	69726	52.84	ng	75
59) Acenaphthylene	7.558	152	262451	52.71	ng	98
60) Dimethylphthalate	7.446	163	175193	53.39	ng	99
61) 2,6-Dinitrotoluene	7.505	165	40500	55.02	ng	61
62) Acenaphthene	7.697	153	162750	55.30	ng	97
63) 3-Nitroaniline	7.644	138	50957	59.41	ng	72
64) 2,4-Dinitrophenol	7.735	184	20173	51.68	ng	84
65) Dibenzofuran	7.847	168	221422	50.46	ng	87

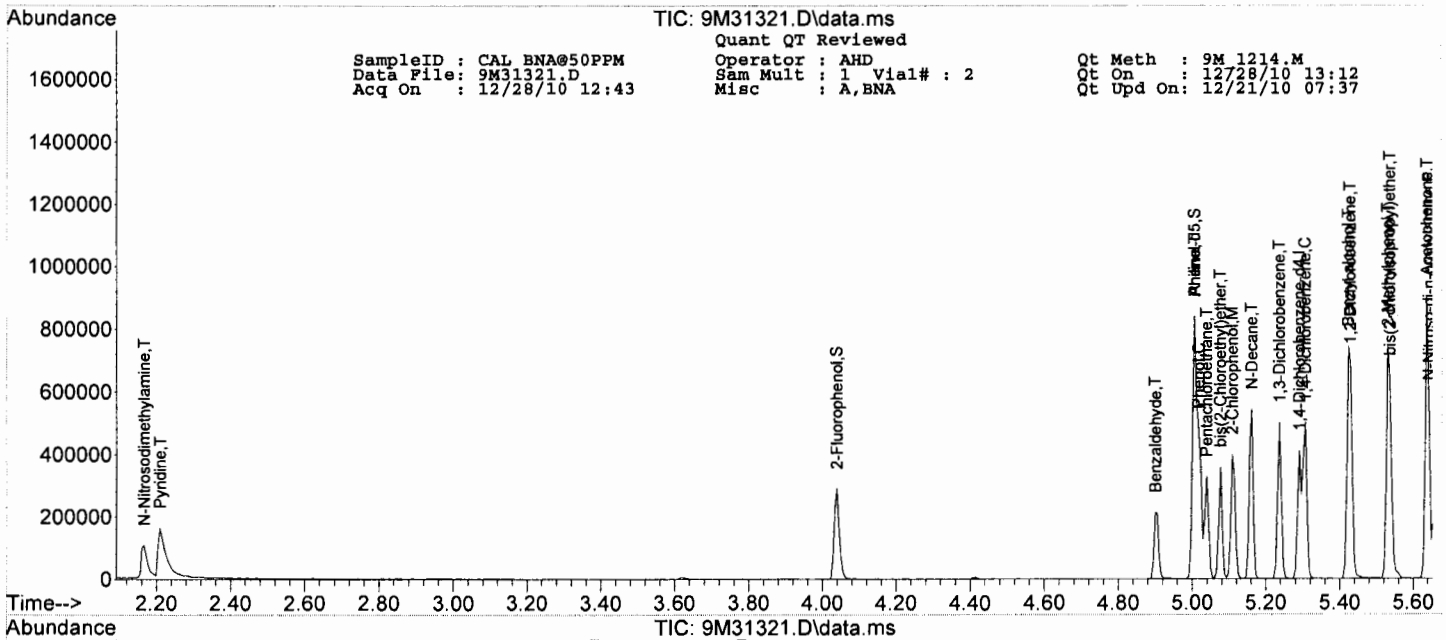
Quantitation Report (QT Reviewed)

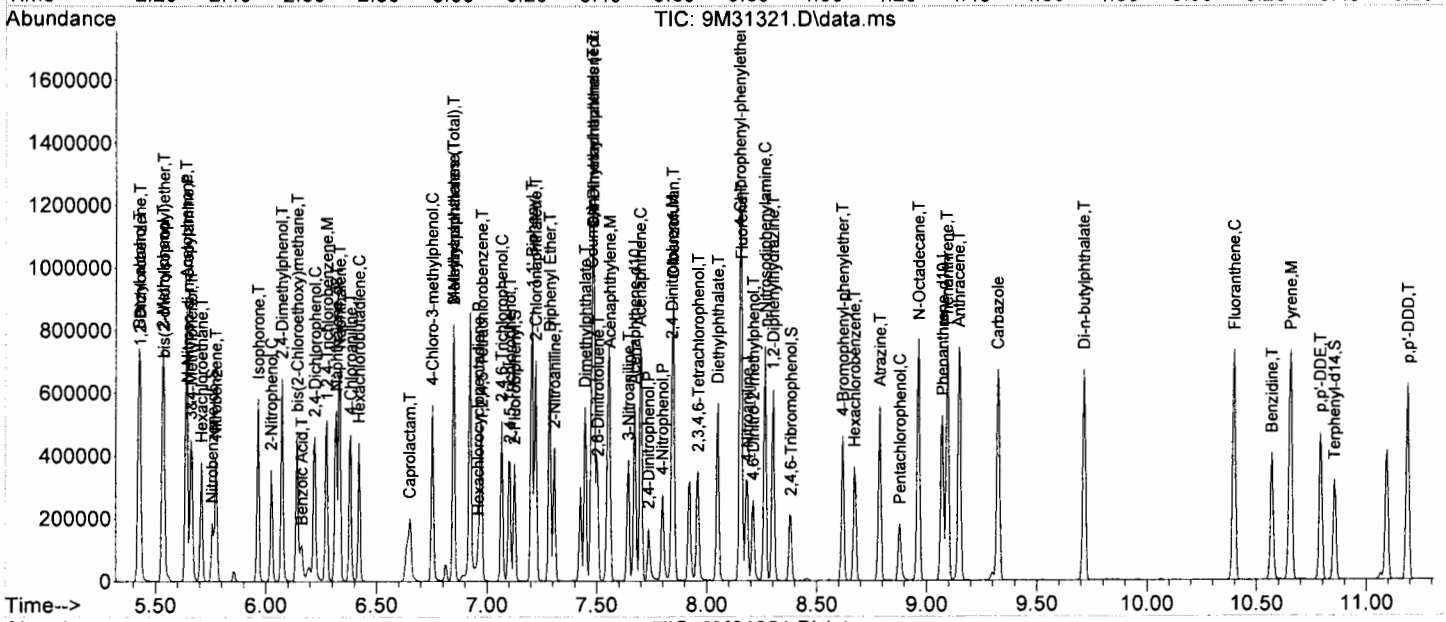
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31321.D Sam Mult : 1 Vial# : 2 Qt On : 12/28/10 13:12
Acq On : 12/28/10 12:43 Misc : A,BNA Qt Upd On: 12/21/10 07:37

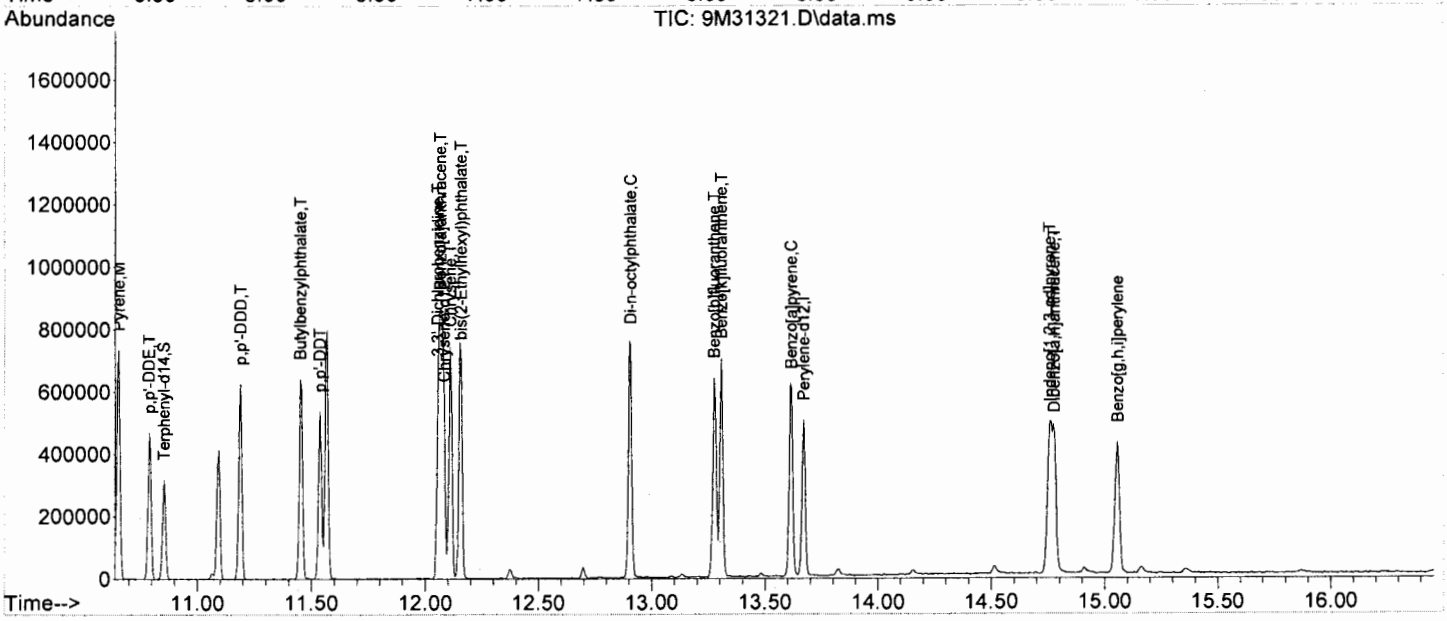
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-28-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.842	165	53798	54.46	ng	84
67)	4-Nitrophenol	7.799	65	32577	50.68	ng	82
68)	2,3,4,6-Tetrachlorophenol	7.960	232	32012	49.35	ng	90
69)	Fluorene	8.157	166	189313	51.82	ng	98
70)	4-Chlorophenyl-phenyle...	8.152	204	79324	50.22	ng	89
71)	Diethylphthalate	8.051	149	176233	55.20	ng	98
72)	4-Nitroaniline	8.184	138	58408	56.27	ng	72
73)	Atrazine	8.789	200	51237	55.67	ng	95
75)	4,6-Dinitro-2-methylph...	8.211	198	31447	52.92	ng	60
76)	n-Nitrosodiphenylamine	8.264	169	164228	48.44	ng	98
78)	1,2-Diphenylhydrazine	8.302	77	204429	55.80	ng	85
79)	4-Bromophenyl-phenylether	8.617	248	39610	49.49	ng	95
80)	Hexachlorobenzene	8.671	284	38015	52.40	ng	84
81)	N-Octadecane	8.965	57	124856	54.19	ng	75
82)	Pentachlorophenol	8.880	266	17824	47.16	ng	91
83)	Phenanthrene	9.094	178	272222	50.55	ng	98
84)	Anthracene	9.147	178	282609	51.41	ng	97
85)	Carbazole	9.323	167	281218	52.02	ng	97
86)	Di-n-butylphthalate	9.714	149	336947	56.32	ng	98
87)	Fluoranthene	10.399	202	292198	51.94	ng	95
89)	Pyrene	10.655	202	307820	49.79	ng	89
90)	Benzidine	10.570	184	147899	46.25	ng	88
92)	p,p'-DDE	10.789	246	47348	53.45	ng	94
93)	p,p'-DDD	11.190	235	103577	51.29	ng	89
94)	Butylbenzylphthalate	11.452	149	158565	54.20	ng	78
95)	p,p'-DDT	11.538	235	86822	54.15	ng	95
96)	3,3'-Dichlorobenzidine	12.057	252	84282	54.60	ng	96
97)	Benzo[a]anthracene	12.067	228	276553	51.12	ng	99
98)	Chrysene	12.110	228	264969	52.00	ng	96
99)	bis(2-Ethylhexyl)phtha...	12.158	149	222661	57.17	ng	94
101)	Di-n-octylphthalate	12.907	149	400280	47.75	ng	98
102)	Benzo[b]fluoranthene	13.276	252	249369	48.07	ng	98
103)	Benzo[k]fluoranthene	13.308	252	245098	49.31	ng	95
104)	Benzo[a]pyrene	13.618	252	240304	48.89	ng	93
105)	Indeno[1,2,3-cd]pyrene	14.758	276	236757	49.92	ng	95
106)	Dibenzo[a,h]anthracene	14.779	278	201401	49.69	ng	94
107)	Benzo[g,h,i]perylene	15.057	276	203481	50.18	ng	94

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


Abundance
TIC: 9M31321.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M31321.D
Acq On : 12/28/10 12:43
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1214.M
Qt On : 12/28/10 13:12
Qt Upd On: 12/21/10 07:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 9M31321.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Hexachlorocyclopentadiene,C
2,6-Dinitrotoluene,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Time-->


Abundance
TIC: 9M31321.D\data.ms
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M31336.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/29/2010 10:14:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.28	40.00	40				0.000	0.00	
Pyridine	1	0		2.19	51.53	50			1.355	1.538	3.06	
N-Nitrosodimethylamine	1	0		2.15	57.62	50			0.816	0.941	15.24	
2-Fluorophenol	1	0	S	4.03	47.97	50			1.415	1.357	4.06	
Benzaldehyde	1	0		4.89	32.40	50			1.053	0.683	35.20	
Aniline	1	0		5.00	48.02	50			2.161	2.280	3.96	
Pentachloroethane	1	0		5.03	51.04	50			0.462	0.472	2.08	
bis(2-Chloroethyl)ether	1	0		5.07	51.10	50			1.348	1.378	2.20	
Phenol-d5	1	0	S	5.00	49.77	50			1.964	1.955	0.46	
Phenol	1	0	CC	5.01	50.41	50	20		2.160	2.178	0.82	
2-Chlorophenol	1	0		5.10	48.93	50			1.529	1.496	2.14	
N-Decane	1	0		5.15	52.73	50			1.389	1.465	5.46	
1,3-Dichlorobenzene	1	0		5.23	50.91	50			1.519	1.547	1.82	
1,4-Dichlorobenzene	1	0	CC	5.30	48.97	50	20		1.540	1.508	2.06	
1,2-Dichlorobenzene	1	0		5.42	49.97	50			1.471	1.470	0.06	
Benzyl alcohol	1	0		5.41	48.87	50			1.009	0.986	2.26	
bis(2-chloroisopropyl)ether	1	0		5.53	53.19	50			1.636	1.740	6.38	
2-Methylphenol	1	0		5.53	47.18	50			1.506	1.421	5.64	
Acetophenone	1	0		5.63	50.02	50			2.004	2.005	0.04	
Hexachloroethane	1	0		5.70	50.82	50			0.590	0.600	1.64	
N-Nitroso-di-n-propylamine	1	0	CP	5.63	50.15	50	0.05		1.113	1.116	0.30	
3&4-Methylphenol	1	0		5.65	49.76	50			1.531	1.524	0.48	
Naphthalene-d8	1	0	I	6.31	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.75	27.11	25			0.172	0.186	8.44	
Nitrobenzene	1	0		5.77	50.78	50			0.391	0.398	1.56	
Isophorone	1	0		5.95	51.65	50			0.717	0.740	3.30	
2-Nitrophenol	1	0	CC	6.02	52.12	50	20		0.199	0.208	4.24	
2,4-Dimethylphenol	1	0		6.07	51.55	50			0.368	0.379	3.10	
Benzoic Acid	1	0		6.16	52.95	50			0.217	0.223	5.90	
bis(2-Chloroethoxy)methane	1	0		6.13	52.61	50			0.431	0.453	5.22	
2,4-Dichlorophenol	1	0	CC	6.22	50.25	50	20		0.297	0.299	0.50	
1,2,4-Trichlorobenzene	1	0		6.26	49.70	50			0.317	0.315	0.60	
Naphthalene	1	0		6.32	48.23	50			1.130	1.090	3.54	
4-Chloroaniline	1	0		6.37	52.20	50			0.358	0.438	4.40	
Hexachlorobutadiene	1	0	CC	6.41	50.91	50	20		0.137	0.140	1.82	
Caprolactam	1	0		6.64	49.81	50			0.144	0.144	0.38	
4-Chloro-3-methylphenol	1	0	CC	6.75	51.68	50	20		0.334	0.346	3.36	
2-Methylnaphthalene	1	0		6.84	48.56	50			0.743	0.721	2.88	
Methylnaphthalenes	1	0		6.84	48.56	50	20			0.721	2.88	
1,1'-Biphenyl	1	0		7.19	49.02	50			0.949	0.931	1.96	
Acenaphthene-d10	1	0	I	7.66	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.96	54.41	50			0.487	0.530	8.82	
Hexachlorocyclopentadiene	1	0	CP	6.95	40.05	50	0.05		0.146	0.113	19.90	
2,4,6-Trichlorophenol	1	0	CC	7.06	53.06	50	20		0.329	0.349	6.12	
2,4,5-Trichlorophenol	1	0		7.10	52.94	50			0.343	0.364	5.88	
2-Fluorobiphenyl	1	0	S	7.11	26.97	25			1.216	1.312	7.88	
2-Chloronaphthalene	1	0		7.21	52.37	50			1.095	1.147	4.74	
1,4-Dimethylnaphthalene	1	0		7.48	50.89	50			0.956	0.973	1.78	
Dimethylnaphthalenes	1	0		7.48	50.89	50	20			0.973	1.78	
Diphenyl Ether	1	0		7.27	51.79	50			0.838	0.868	3.58	
2-Nitroaniline	1	0		7.30	40.96	50			0.392	0.370	18.08	
Coumarin	1	0		7.47	51.87				0.487			
Acenaphthylene	1	0		7.55	52.65	50			1.838	1.935	5.30	
Dimethylphthalate	1	0		7.44	52.54	50			1.211	1.273	5.08	
2,6-Dinitrotoluene	1	0		7.49	55.22	50			0.272	0.300	10.44	
Acenaphthene	1	0	CC	7.69	55.82	50	20		1.086	1.213	11.64	
3-Nitroaniline	1	0		7.63	57.88	50			0.317	0.366	15.76	
2,4-Dinitrophenol	1	0	CP	7.72	43.32	50	0.05		0.147	0.123	13.36	
Dibenzofuran	1	0		7.84	50.32	50			1.620	1.630	0.64	
2,4-Dinitrotoluene	1	0		7.83	53.68	50			0.365	0.392	7.36	
4-Nitrophenol	1	0	CP	7.79	56.33	50	0.05		0.237	0.267	12.66	
2,3,4,6-Tetrachlorophenol	1	0		7.95	54.25	50			0.239	0.260	8.50	
Fluorene	1	0		8.14	51.22	50			1.349	1.382	2.44	
4-Chlorophenyl-phenylether	1	0		8.14	51.88	50			0.583	0.605	3.76	
Diethylphthalate	1	0		8.04	54.84	50			1.178	1.292	9.68	
4-Nitroaniline	1	0		8.17	49.61	50			0.383	0.380	0.78	
Atrazine	1	0		8.78	52.40	50			0.340	0.356	4.80	
Phenanthrene-d10	1	0	I	9.06	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.20	49.09	50			0.112	0.121	1.82	
n-Nitrosodiphenylamine	1	0	CC	8.25	49.35	50	20		0.703	0.694	1.30	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M31336.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/29/2010 10:14:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.37	53.00	50			0.060	0.064	6.00	
1,2-Diphenylhydrazine	1	0		8.29	56.68	50			0.759	0.861	13.36	
4-Bromophenyl-phenylether	1	0		8.61	50.31	50			0.166	0.167	0.62	
Hexachlorobenzene	1	0		8.66	50.53	50			0.150	0.152	1.06	
N-Octadecane	1	0		8.95	56.64	50			0.446	0.540	13.28	
Pentachlorophenol	1	0	CC	8.86	46.35	50	20		0.087	0.072	7.30	
Phenanthrene	1	0		9.08	49.78	50			1.116	1.111	0.44	
Anthracene	1	0		9.14	50.46	50			1.139	1.150	0.92	
Carbazole	1	0		9.31	49.80	50			1.121	1.116	0.40	
Di-n-butylphthalate	1	0		9.70	54.45	50			1.240	1.350	8.90	
Fluoranthene	1	0	CC	10.38	49.84	50	20		1.166	1.162	0.32	
Chrysene-d12	1	0	I	12.06	40.00	40				0.000	0.00	
Pyrene	1	0		10.64	51.17	50			1.323	1.354	2.34	
Benzidine	1	0		10.55	42.77	50			0.593	0.586	14.46	
Terphenyl-d14	1	0	S	10.84	25.73	25			0.753	0.775	2.92	
p,p'-DDE	1	0		10.77	53.60				0.190			
p,p'-DDD	1	0		11.17	50.03				0.432			
Butylbenzylphthalate	1	0		11.44	54.66	50			0.626	0.685	9.32	
p,p'-DDT	1	0		11.52	53.70				0.343			
3,3'-Dichlorobenzidine	1	0		12.04	54.47	50			0.291	0.360	8.94	
Benzo[a]anthracene	1	0		12.05	50.70	50			1.158	1.174	1.40	
Chrysene	1	0		12.09	51.80	50			1.091	1.130	3.60	
bis(2-Ethylhexyl)phthalate	1	0		12.14	55.78	50			0.834	0.930	11.56	
Perylene-d12	1	0	I	13.66	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.89	48.78	50	20		1.811	1.875	2.44	
Benzo[b]fluoranthene	1	0		13.26	50.87	50			1.189	1.210	1.74	
Benzo[k]fluoranthene	1	0		13.29	49.80	50			1.139	1.135	0.40	
Benzo[a]pyrene	1	0	CC	13.60	50.84	50	20		1.127	1.146	1.68	
Indeno[1,2,3-cd]pyrene	1	0		14.74	51.47	50			1.087	1.119	2.94	
Dibenzo[a,h]anthracene	1	0		14.75	49.53	50			0.929	0.920	0.94	
Benzo[g,h,i]perylene	1	0		15.04	50.49	50			0.930	0.939	0.98	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.743	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.956	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound 1 - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31336.D Sam Mult : 1 Vial# : 2 Qt On : 12/29/10 10:34
Acq On : 12/29/10 10:14 Misc : A,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	61510	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	238315	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	132946	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	230621	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	204499	40.00	ng	-0.19
100) Perylene-d12	13.656	264	181353	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	4.034	112	104364	47.97	ng	-0.14
Spiked Amount 100.000			Recovery = 47.97%			
15) Phenol-d5	5.002	99	150292	49.77	ng	-0.11
Spiked Amount 100.000			Recovery = 49.77%			
30) Nitrobenzene-d5	5.751	128	27761	27.11	ng	-0.13
Spiked Amount 50.000			Recovery = 54.22%			
52) 2-Fluorobiphenyl	7.114	172	108984	26.97	ng	-0.14
Spiked Amount 50.000			Recovery = 53.94%			
77) 2,4,6-Tribromophenol	8.371	330	18440	53.00	ng	-0.16
Spiked Amount 100.000			Recovery = 53.00%			
91) Terphenyl-d14	10.837	244	99080	25.73	ng	-0.18
Spiked Amount 50.000			Recovery = 51.46%			
Target Compounds						Qvalue
8) Pyridine	2.194	79	118248	51.53	ng	67
9) N-Nitrosodimethylamine	2.151	74	72325	57.62	ng	69
11) Benzaldehyde	4.895	77	52485	32.40	ng	80
12) Aniline	4.996	93	175291	48.02	ng	37
13) Pentachloroethane	5.028	117	36285	51.04	ng	88
14) bis(2-Chloroethyl)ether	5.066	93	105917	51.10	ng	80
16) Phenol	5.012	94	167424	50.41	ng	89
17) 2-Chlorophenol	5.103	128	115033	48.93	ng	80
18) N-Decane	5.152	57	112644	52.73	ng	83
19) 1,3-Dichlorobenzene	5.226	146	118916	50.91	ng	98
20) 1,4-Dichlorobenzene	5.296	146	115952	48.97	ng	99
21) 1,2-Dichlorobenzene	5.419	146	113021	49.97	ng	98
22) Benzyl alcohol	5.414	108	75795	48.87	ng	77
23) bis(2-chloroisopropyl)...	5.526	45	133820	53.19	ng	89
24) 2-Methylphenol	5.526	108	109295	47.18	ng	95
25) Acetophenone	5.628	105	154195	50.02	ng	65
26) Hexachloroethane	5.697	117	46146	50.82	ng	92
27) N-Nitroso-di-n-propyla...	5.633	70	85830	50.15	ng	70
28) 3&4-Methylphenol	5.654	108	117175	49.76	ng	100
31) Nitrobenzene	5.767	77	118421	50.78	ng	80
32) Isophorone	5.954	82	220494	51.65	ng	93
33) 2-Nitrophenol	6.018	139	61898	52.12	ng	88
34) 2,4-Dimethylphenol	6.066	107	112990	51.55	ng	91
35) Benzoic Acid	6.157	105	66411m	52.95	ng	
36) bis(2-Chloroethoxy)met...	6.130	93	135003	52.61	ng	96
37) 2,4-Dichlorophenol	6.216	162	88971	50.25	ng	89
38) 1,2,4-Trichlorobenzene	6.264	180	93911	49.70	ng	99
39) Naphthalene	6.323	128	324785	48.23	ng	98
40) 4-Chloroaniline	6.371	127	130536	52.20	ng	98
41) Hexachlorobutadiene	6.414	225	41679	50.91	ng	95
42) Caprolactam	6.644	113	42768	49.81	ng	74
43) 4-Chloro-3-methylphenol	6.745	107	102970	51.68	ng	87
44) 2-Methylnaphthalene	6.836	142	214843	48.56	ng	97
45) Methylnaphthalenes (To...	6.836	142	214843	48.56	ng	97
46) 1,1'-Biphenyl	7.195	154	277266	49.02	ng	92
48) 1,2,4,5-Tetrachloroben...	6.965	216	88121	54.41	ng	99
49) Hexachlorocyclopentadiene	6.949	237	18849	40.05	ng	98
50) 2,4,6-Trichlorophenol	7.056	196	57946	53.06	ng	99
51) 2,4,5-Trichlorophenol	7.098	196	60415	52.94	ng	99
53) 2-Chloronaphthalene	7.211	162	190606	52.37	ng	95
54) 1,4-Dimethylnaphthalene	7.478	156	161760	50.89	ng	88
55) Dimethylnaphthalenes (...	7.478	156	161760	50.89	ng	88
56) Diphenyl Ether	7.275	170	144194	51.79	ng	79
57) 2-Nitroaniline	7.296	65	61566	40.96	ng	56
58) Coumarin	7.467	146	83967	51.87	ng	78
59) Acenaphthylene	7.548	152	321627	52.65	ng	98
60) Dimethylphthalate	7.441	163	211523	52.54	ng	98
61) 2,6-Dinitrotoluene	7.494	165	49861	55.22	ng	60
62) Acenaphthene	7.687	153	201565	55.82	ng	96
63) 3-Nitroaniline	7.633	138	60905	57.88	ng	76
64) 2,4-Dinitrophenol	7.724	184	20395	43.32	ng	87
65) Dibenzofuran	7.837	168	270915	50.32	ng	85

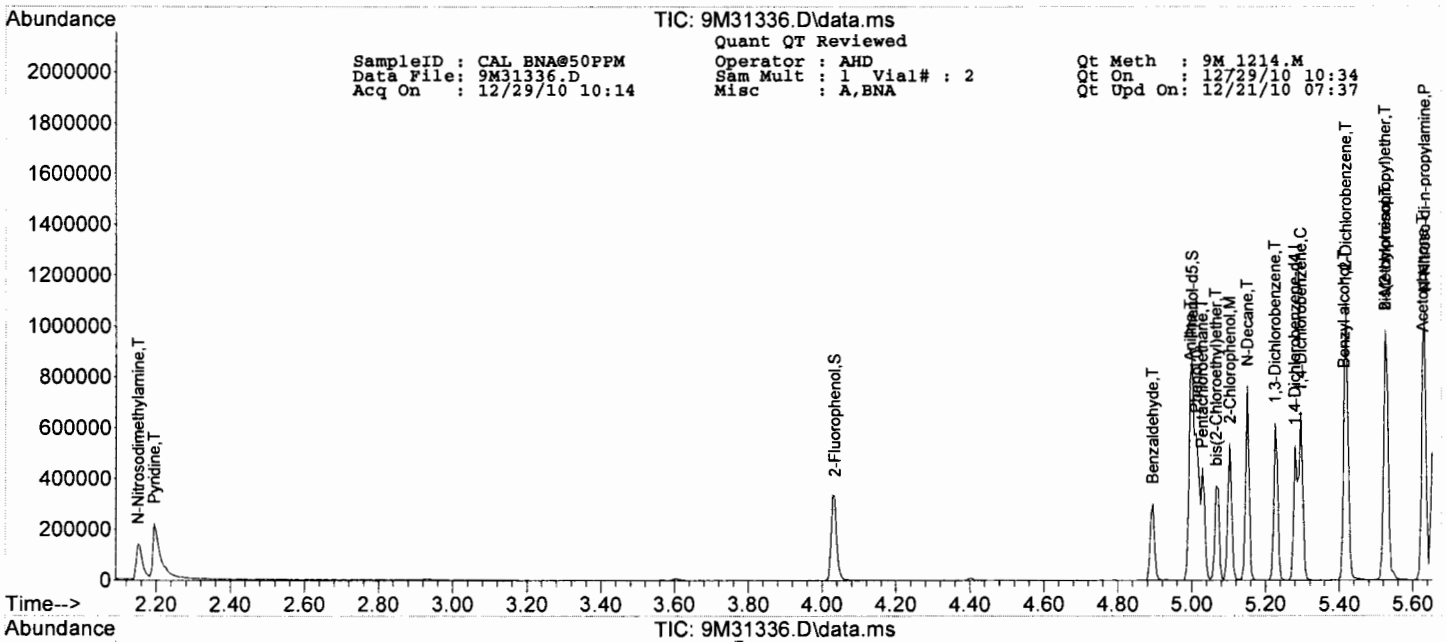
Quantitation Report (QT Reviewed)

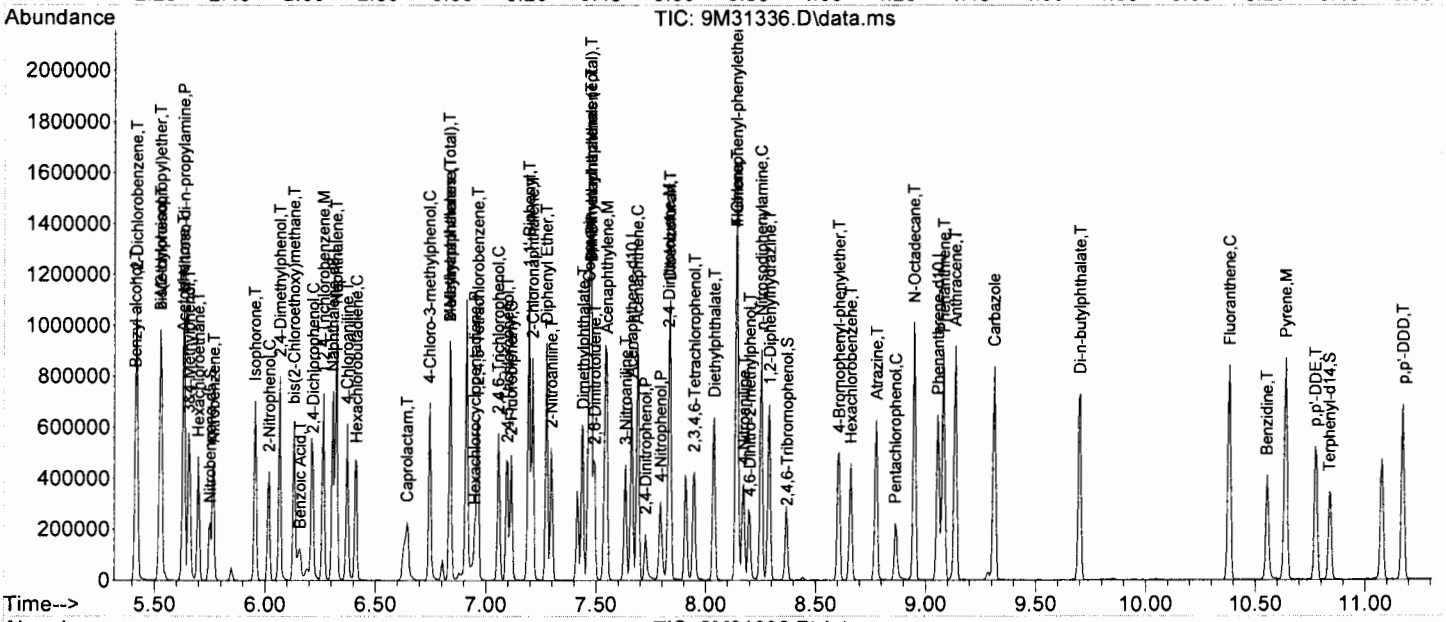
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31336.D Sam Mult : 1 Vial# : 2 Qt On : 12/29/10 10:34
Acq On : 12/29/10 10:14 Misc : A,BNA Qt Upd On: 12/21/10 07:37

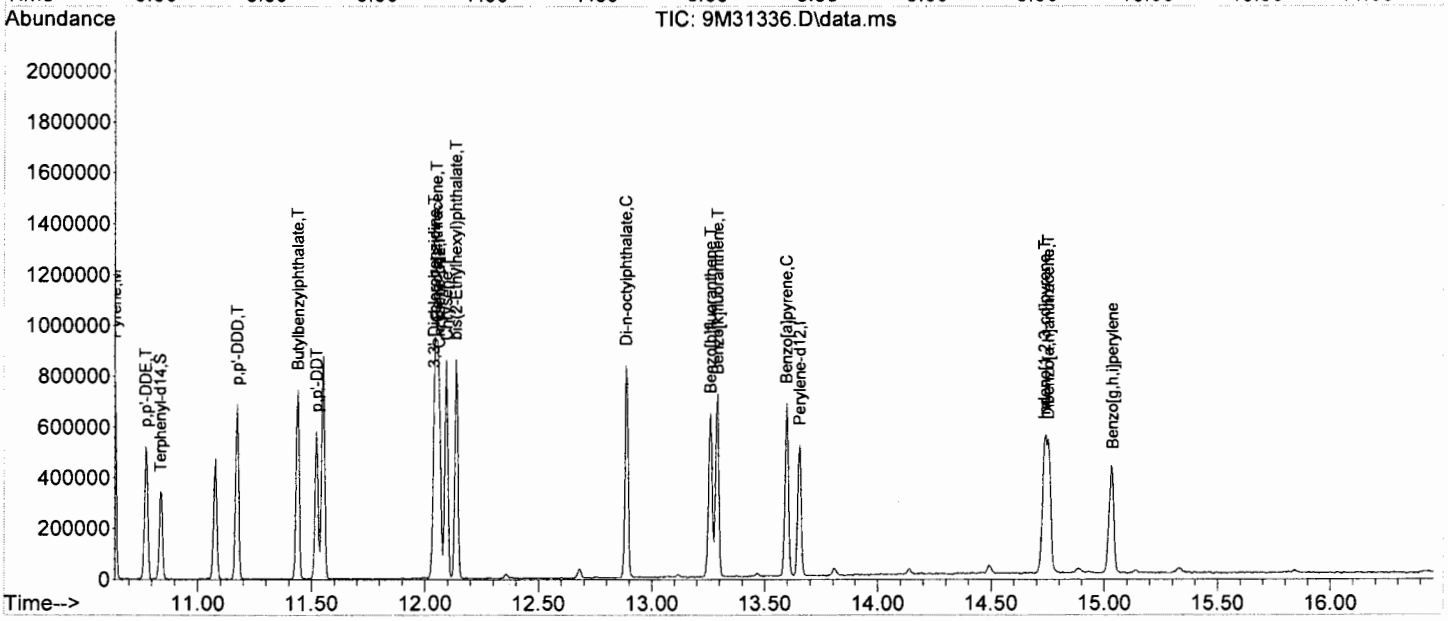
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.831	165	65063	53.68	ng	85
67) 4-Nitrophenol	7.794	65	44427	56.33	ng	92
68) 2,3,4,6-Tetrachlorophenol	7.949	232	43178	54.25	ng	86
69) Fluorene	8.141	166	229604	51.22	ng	98
70) 4-Chlorophenyl-phenyle...	8.141	204	100537	51.88	ng	86
71) Diethylphthalate	8.040	149	214773	54.84	ng	98
72) 4-Nitroaniline	8.173	138	63175	49.61	ng	77
73) Atrazine	8.778	200	59159	52.40	ng	94
75) 4,6-Dinitro-2-methylph...	8.200	198	34738	49.09	ng	62
76) n-Nitrosodiphenylamine	8.254	169	199972	49.35	ng	94
78) 1,2-Diphenylhydrazine	8.291	77	248173	56.68	ng	82
79) 4-Bromophenyl-phenylether	8.607	248	48116	50.31	ng	90
80) Hexachlorobenzene	8.660	284	43808	50.53	ng	81
81) N-Octadecane	8.949	57	155704	56.64	ng	78
82) Pentachlorophenol	8.863	266	20890	46.35	ng	96
83) Phenanthrene	9.083	178	320385	49.78	ng	97
84) Anthracene	9.136	178	331521	50.46	ng	99
85) Carbazole	9.313	167	321717	49.80	ng	97
86) Di-n-butylphthalate	9.703	149	389303	54.45	ng	97
87) Fluoranthene	10.382	202	335093	49.84	ng	94
89) Pyrene	10.639	202	346204	51.17	ng	89
90) Benzidine	10.554	184	149719	42.77	ng	92
92) p,p'-DDE	10.773	246	51966	53.60	ng	96
93) p,p'-DDD	11.174	235	110581	50.03	ng	87
94) Butylbenzylphthalate	11.441	149	175020	54.66	ng	74
95) p,p'-DDT	11.522	235	94237	53.70	ng	96
96) 3,3'-Dichlorobenzidine	12.041	252	92046	54.47	ng	98
97) Benzo[a]anthracene	12.051	228	300195	50.70	ng	98
98) Chrysene	12.094	228	288932	51.80	ng	95
99) bis(2-Ethylhexyl)phtha...	12.137	149	237757	55.78	ng	96
101) Di-n-octylphthalate	12.886	149	424952	48.78	ng	99
102) Benzo[b]fluoranthene	13.260	252	274223	50.87	ng	95
103) Benzo[k]fluoranthene	13.292	252	257201	49.80	ng	94
104) Benzo[a]pyrene	13.597	252	259703	50.84	ng	94
105) Indeno[1,2,3-cd]pyrene	14.736	276	253703	51.47	ng	95
106) Dibenzo[a,h]anthracene	14.752	278	208602	49.53	ng	96
107) Benzo[g,h,i]perylene	15.036	276	212777	50.49	ng	94

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


Abundance
TIC: 9M31336.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M31336.D
Acq On : 12/29/10 10:14
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1214.M
Qt On : 12729/10 10:34
Qt Upd On: 12/21/10 07:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,T
Benzyl alcohol,C
1,2-Dichlorobenzene,T
Acetophenone,T
Time-->


Abundance
TIC: 9M31336.D\data.ms
Benzyl alcohol,C
1,2-Dichlorobenzene,T
bis(2-Chloroethyl)ether,T
Hexachloroethane,T
Nitrobenzene-d5,S
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene-d8,S
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Diphenyl Ether,T
Acenaphthylene,M
2,6-Dinitrotoluene,T
3-Nitroaniline,T
Acenaphthene,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,4-Dinitrotoluene,T
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Fluorene,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
N-Nitrosodiphenylamine,C
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Time-->


Abundance
TIC: 9M31336.D\data.ms
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP **Data File:** 9M30990.D
Instrument: GCMS 9 **Analysis Date:** 12/13/10 08:26
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.539 to 9.539 min

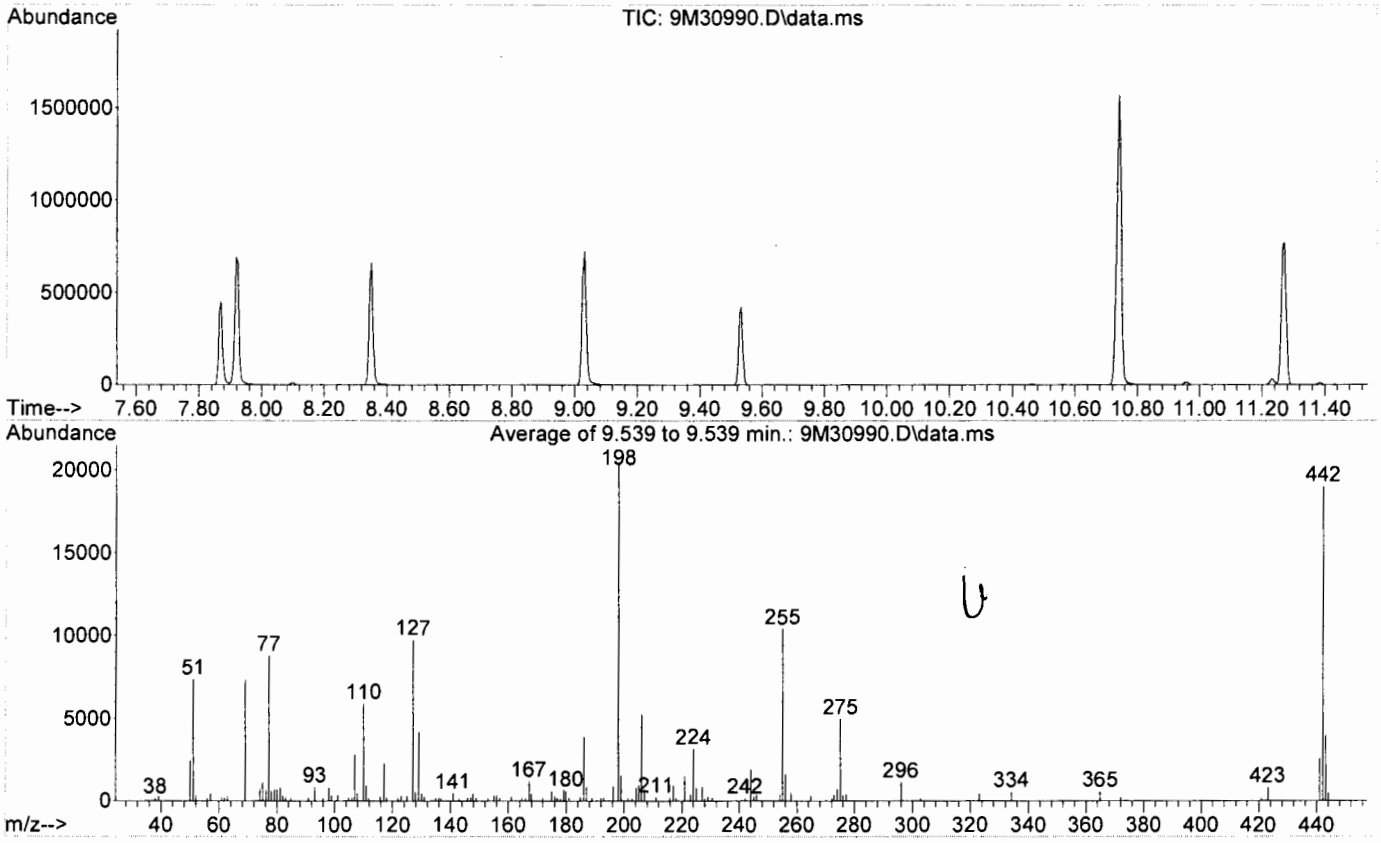
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.0	7374	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.8	7337	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.6	9748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20472	PASS
199	198	5	9	7.5	1539	PASS
275	198	10	30	24.3	4968	PASS
365	198	1	100	2.8	570	PASS
441	443	0.01	100	64.4	2568	PASS
442	198	40	100	92.9	19016	PASS
443	442	17	23	21.0	3989	PASS

Data File	Sample Number	Analysis Date:
9M30991.D	BNA@50PPM	12/13/10 10:07
9M30992.D	CAL BNA@196PP	12/13/10 10:35
9M30993.D	CAL BNA@160PP	12/13/10 10:58
9M30994.D	CAL BNA@120PP	12/13/10 11:21
9M30995.D	CAL BNA@80PPM	12/13/10 11:44
9M30996.D	CAL BNA@50PPM	12/13/10 12:08
9M30997.D	CAL BNA@20PPM	12/13/10 12:31
9M30998.D	CAL BNA@10PPM	12/13/10 12:54
9M30999.D	CAL BNA@0.5PP	12/13/10 13:17
9M31000.D	CAL BNA@2PPM	12/13/10 13:40
9M31001.D	CAL BNA@50PPM	12/13/10 14:43
9M31002.D	CAL BNA@120PP	12/13/10 15:08
9M31003.D	ICV BNA@50PPM	12/13/10 15:34
9M31004.D	SMB2779	12/13/10 16:10

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Data File : 9M30990.D
Acq On : 13 Dec 2010 8:26
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_1201.M
Title : @GCMS_9,mg,625,8270
Last Update : Wed Dec 01 16:42:22 2010



Spectrum Information: Average of 9.539 to 9.539 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.0	7374	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.8	7337	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.6	9748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20472	PASS
199	198	5	9	7.5	1539	PASS
275	198	10	30	24.3	4968	PASS
365	198	1	100	2.8	570	PASS
441	443	0.01	100	64.4	2568	PASS
442	198	40	100	92.9	19016	PASS
443	442	17	23	21.0	3989	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M31320.D
Analysis Date: 12/28/10 12:11
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.382 to 9.388 min

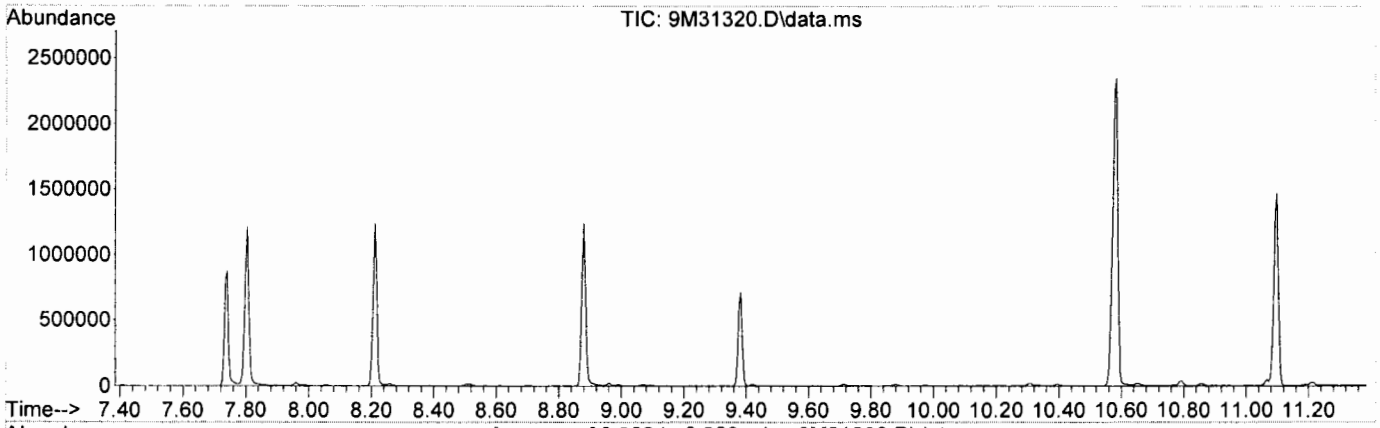
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.5	25300	PASS
68	69	0.00	2	1.6	468	PASS
69	198	0.00	100	50.1	29834	PASS
70	69	0.00	2	1.1	328	PASS
127	198	40	60	57.5	34276	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59564	PASS
199	198	5	9	5.9	3511	PASS
275	198	10	30	20.9	12432	PASS
365	198	1	100	2.0	1188	PASS
441	443	0.01	100	97.2	6051	PASS
442	198	40	100	60.3	35944	PASS
443	442	17	23	17.3	6227	PASS

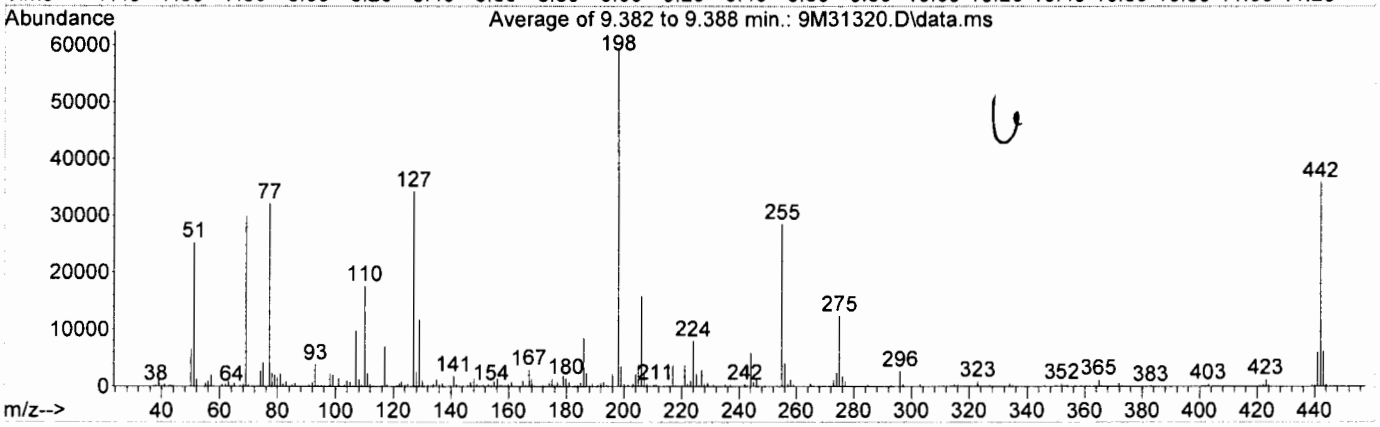
Data File	Sample Number	Analysis Date:
9M31321.D	CAL BNA@50PPM	12/28/10 12:43
9M31322.D	SMB4129	12/28/10 13:40
9M31323.D	AC56450-003(R)	12/28/10 14:03
9M31324.D	AC56529-004	12/28/10 14:25
9M31325.D	AC56529-002	12/28/10 14:48
9M31326.D	AC56529-003	12/28/10 15:11
9M31327.D	AC56529-002(3X)	12/28/10 15:34
9M31328.D	AC56445-006(T)	12/28/10 16:03
9M31329.D	AC56445-007(T)	12/28/10 16:26
9M31330.D	AC56445-008(T)	12/28/10 16:49
9M31331.D	AC56445-006(T)	12/28/10 17:12
9M31332.D	AC56398-001(T)	12/28/10 17:35
9M31333.D	EF-SPLP V-103949	12/28/10 17:58
9M31334.D	WMB4130	12/28/10 18:21

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-28-10\
Data File : 9M31320.D
Acq On : 28 Dec 2010 12:11
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_1214.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Dec 14 14:01:13 2010





Spectrum Information: Average of 9.382 to 9.388 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.5	25300	PASS
68	69	0.00	2	1.6	468	PASS
69	198	0.00	100	50.1	29834	PASS
70	69	0.00	2	1.1	328	PASS
127	198	40	60	57.5	34276	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59564	PASS
199	198	5	9	5.9	3511	PASS
275	198	10	30	20.9	12432	PASS
365	198	1	100	2.0	1188	PASS
441	443	0.01	100	97.2	6051	PASS
442	198	40	100	60.3	35944	PASS
443	442	17	23	17.3	6227	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M31335.D
Analysis Date: 12/29/10 09:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.366 to 9.377 min

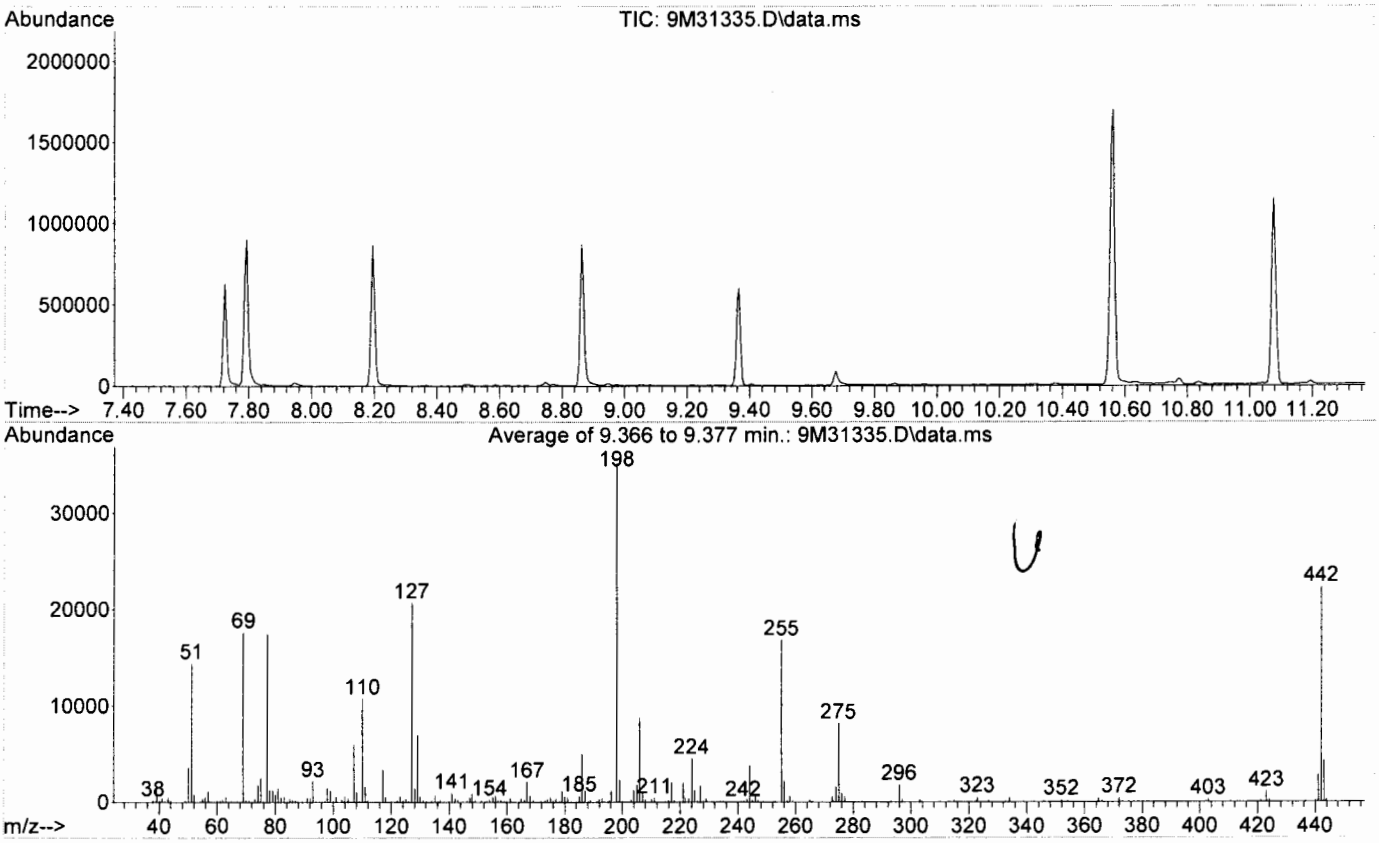
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.9	14384	PASS
68	69	0.00	2	0.5	90	PASS
69	198	0.00	100	50.1	17620	PASS
70	69	0.00	2	1.4	241	PASS
127	198	40	60	58.8	20672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35150	PASS
199	198	5	9	6.7	2347	PASS
275	198	10	30	23.3	8175	PASS
365	198	1	100	1.1	377	PASS
441	443	0.01	100	65.7	2830	PASS
442	198	40	100	63.4	22283	PASS
443	442	17	23	19.3	4308	PASS

Data File	Sample Number	Analysis Date:
9M31336.D	CAL BNA@50PPM	12/29/10 10:14
9M31337.D	SMB4129(MS)	12/29/10 10:37
9M31338.D	AC56495-001(3X)	12/29/10 11:02
9M31339.D	AC56381-002(R)	12/29/10 11:25
9M31340.D	AC56495-001(50X)	12/29/10 11:48
9M31341.D	AC56495-002(50X)	12/29/10 12:11
9M31342.D	AC56425-006	12/29/10 12:34
9M31343.D	AC56425-009	12/29/10 12:57
9M31344.D	AC56344-002(3X)	12/29/10 13:20
9M31345.D	AC56495-001(50X)	12/29/10 13:43
9M31346.D	AC56495-001(50X)	12/29/10 14:06
9M31347.D	AC56500-001(10X)	12/29/10 14:29
9M31348.D	AC56500-002	12/29/10 14:52
9M31349.D	WMB4133	12/29/10 15:16
9M31350.D	WMB4136	12/29/10 15:39
9M31351.D	AC56495-001(20X)	12/29/10 16:02
9M31352.D	AC56495-002(20X)	12/29/10 16:25
9M31353.D	AC56526-010	12/29/10 16:48
9M31354.D	AC56526-011(10X)	12/29/10 17:11
9M31355.D	AC56526-012	12/29/10 17:34
9M31356.D	AC56526-013	12/29/10 17:57
9M31357.D	AC56495-001(T)	12/29/10 18:20
9M31358.D	AC56495-002(T)	12/29/10 18:43
9M31359.D	TEST	12/29/10 19:06
9M31360.D	TEST	12/29/10 19:28
9M31361.D	TEST	12/29/10 19:51
9M31362.D	TEST	12/29/10 20:14

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Data File : 9M31335.D
Acq On : 29 Dec 2010 9:50
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_1214.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Dec 14 14:01:13 2010



Spectrum Information: Average of 9.366 to 9.377 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	14384	PASS
68	69	0.00	2	0.5	90	PASS
69	198	0.00	100	50.1	17620	PASS
70	69	0.00	2	1.4	241	PASS
127	198	40	60	58.8	20672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35150	PASS
199	198	5	9	6.7	2347	PASS
275	198	10	30	23.3	8175	PASS
365	198	1	100	1.1	377	PASS
441	443	0.01	100	65.7	2830	PASS
442	198	40	100	63.4	22283	PASS
443	442	17	23	19.3	4308	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4129
Client Id:
Data File: 9M31322.D
Analysis Date: 12/28/10 13:40
Date Rec/Extracted: NA-12/28/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.0066	U	207-08-9	Benzo[k]fluoranthene	0.0077	U
95-95-4	2,4,5-Trichlorophenol	0.011	U	65-85-0	Benzoic Acid	0.14	U
88-06-2	2,4,6-Trichlorophenol	0.019	U	111-91-1	bis(2-Chloroethoxy)methan	0.0075	U
120-83-2	2,4-Dichlorophenol	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.0094	U
105-67-9	2,4-Dimethylphenol	0.045	U	108-60-1	bis(2-chloroisopropyl)ether	0.10	U
51-28-5	2,4-Dinitrophenol	0.033	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.025	U
121-14-2	2,4-Dinitrotoluene	0.014	U	85-68-7	Butylbenzylphthalate	0.020	U
606-20-2	2,6-Dinitrotoluene	0.014	U	86-74-8	Carbazole	0.0070	U
91-58-7	2-Chloronaphthalene	0.0080	U	218-01-9	Chrysene	0.0050	U
95-57-8	2-Chlorophenol	0.013	U	53-70-3	Dibenzo[a,h]anthracene	0.0068	U
91-57-6	2-Methylnaphthalene	0.021	U	132-64-9	Dibenzofuran	0.018	U
95-48-7	2-Methylphenol	0.018	U	84-66-2	Diethylphthalate	0.011	U
88-74-4	2-Nitroaniline	0.014	U	131-11-3	Dimethylphthalate	0.0077	U
88-75-5	2-Nitrophenol	0.012	U	84-74-2	Di-n-butylphthalate	0.014	U
106-44-5	3&4-Methylphenol	0.018	U	117-84-0	Di-n-octylphthalate	0.017	U
91-94-1	3,3'-Dichlorobenzidine	0.049	U	206-44-0	Fluoranthene	0.0061	U
99-09-2	3-Nitroaniline	0.035	U	86-73-7	Fluorene	0.010	U
534-52-1	4,6-Dinitro-2-methylphenol	0.028	U	118-74-1	Hexachlorobenzene	0.0083	U
101-55-3	4-Bromophenyl-phenylether	0.010	U	87-68-3	Hexachlorobutadiene	0.013	U
59-50-7	4-Chloro-3-methylphenol	0.019	U	77-47-4	Hexachlorocyclopentadiene	0.081	U
106-47-8	4-Chloroaniline	0.071	U	67-72-1	Hexachloroethane	0.010	U
7005-72-3	4-Chlorophenyl-phenylether	0.0075	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0086	U
100-01-6	4-Nitroaniline	0.019	U	78-59-1	Isophorone	0.0091	U
100-02-7	4-Nitrophenol	0.025	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.0082	U	98-95-3	Nitrobenzene	0.011	U
208-96-8	Acenaphthylene	0.0084	U	62-75-9	N-Nitrosodimethylamine	0.048	U
62-53-3	Aniline	0.057	U	621-64-7	N-Nitroso-di-n-propylamine	0.0092	U
120-12-7	Anthracene	0.0070	U	86-30-6	n-Nitrosodiphenylamine	0.0074	U
92-87-5	Benzidine	0.11	U	87-86-5	Pentachlorophenol	0.028	U
56-55-3	Benzo[a]anthracene	0.0059	U	85-01-8	Phenanthrene	0.0073	U
50-32-8	Benzo[a]pyrene	0.0087	U	108-95-2	Phenol	0.017	U
205-99-2	Benzo[b]fluoranthene	0.0076	U	129-00-0	Pyrene	0.0059	U
191-24-2	Benzo[g,h,i]perylene	0.0077	U				

Worksheet #: 182508

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

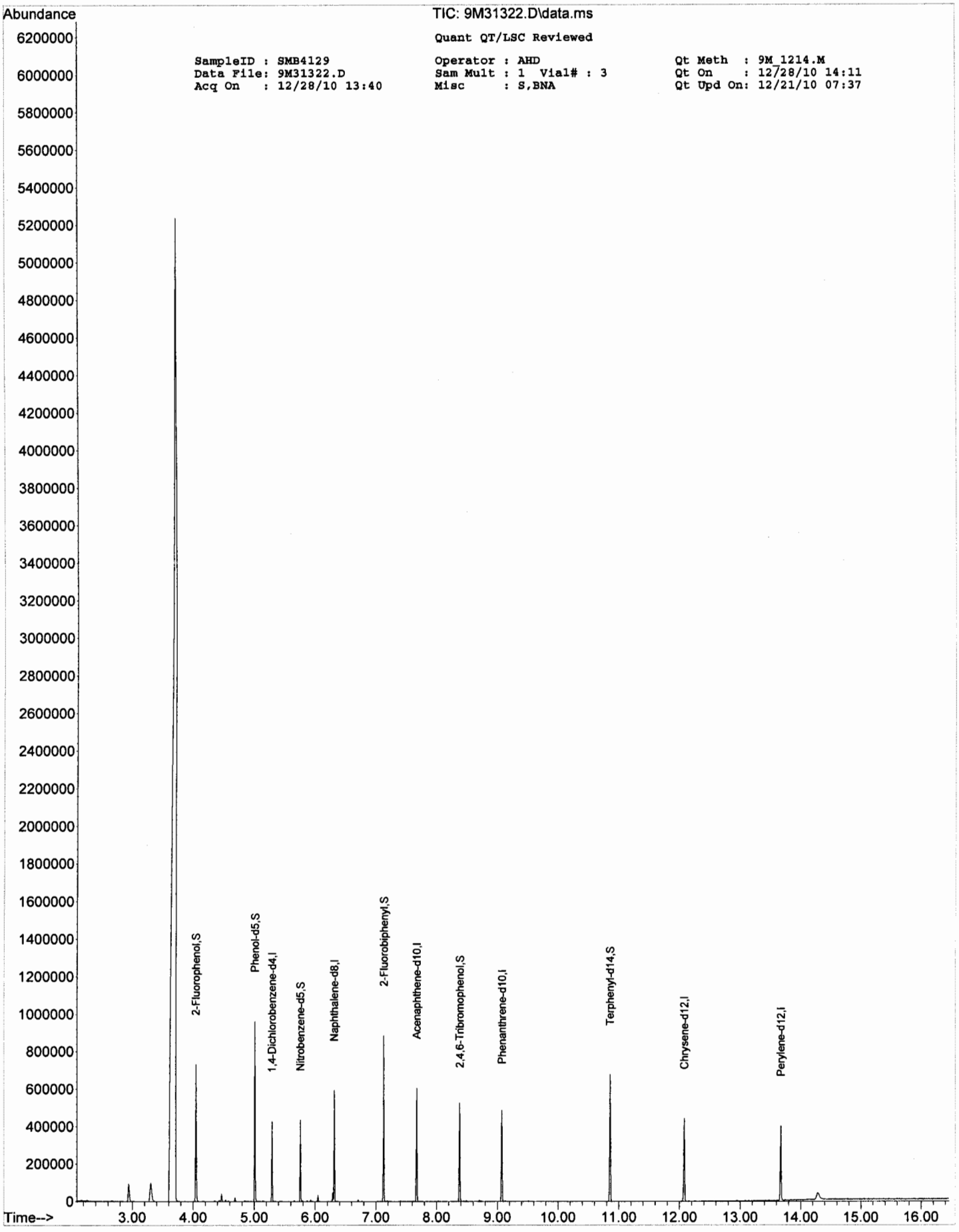
Quantitation Report (QT/LSC Reviewed)

SampleID : SMB4129 Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31322.D Sam Mult : 1 Vial# : 3 Qt On : 12/28/10 14:11
Acq On : 12/28/10 13:40 Misc : S,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-28-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.291	152	50882	40.00	ng	-0.12
29) Naphthalene-d8	6.312	136	198906	40.00	ng	-0.12
47) Acenaphthene-d10	7.671	164	107831	40.00	ng	-0.14
74) Phenanthrene-d10	9.072	188	182597	40.00	ng	-0.16
88) Chrysene-d12	12.078	240	156901	40.00	ng	-0.18
100) Perylene-d12	13.672	264	137061	40.00	ng	-0.18
System Monitoring Compounds						
10) 2-Fluorophenol	4.045	112	195005	108.35	ng	-0.12
Spiked Amount 100.000			Recovery = 108.35%			
15) Phenol-d5	5.007	99	274456	109.86	ng	-0.11
Spiked Amount 100.000			Recovery = 109.86%			
30) Nitrobenzene-d5	5.756	128	46735	54.67	ng	-0.12
Spiked Amount 50.000			Recovery = 109.34%			
52) 2-Fluorobiphenyl	7.125	172	201910	61.59	ng	-0.12
Spiked Amount 50.000			Recovery = 123.18%			
77) 2,4,6-Tribromophenol	8.382	330	34590	125.57	ng	-0.15
Spiked Amount 100.000			Recovery = 125.57%			
91) Terphenyl-d14	10.853	244	197886	66.98	ng	-0.17
Spiked Amount 50.000			Recovery = 133.96%			
Target Compounds						Qvalue

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


Abundance
TIC: 9M31322.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB4129
Data File: 9M31322.D
Acq On : 12/28/10 13:40
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 9M_1214.M
Qt On : 12/28/10 14:11
Qt Upd On: 12/21/10 07:37
6200000
6000000
5800000
5600000
5400000
5200000
5000000
4800000
4600000
4400000
4200000
4000000
3800000
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form3
Recovery Data
QC Batch: SMB4129

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31337.D	SMB4129(MS)	12/29/2010 10:37:00 A
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Soil | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	74.58	0	100	75	35	130
2-Chlorophenol	1	78.49	0	100	78	43	131
1,4-Dichlorobenzene	1	44.13	0	50	88	26	128
2-Methylphenol	1	76.36	0	100	76	40	137
N-Nitroso-di-n-propylamine	1	36.9	0	50	74	23	147
2,4-Dimethylphenol	1	82.92	0	100	83	47	135
1,2,4-Trichlorobenzene	1	40.73	0	50	81	40	129
Naphthalene	1	39.99	0	50	80	44	132
4-Chloro-3-methylphenol	1	80.52	0	100	81	45	142
Acenaphthene	1	46.13	0	50	92	47	137
2,4-Dinitrotoluene	1	41.76	0	50	84	30	139
4-Nitrophenol	1	89.12	0	100	89	35	146
Fluorene	1	41.61	0	50	83	42	135
Pentachlorophenol	1	69.81	0	100	70	38	132
Pyrene	1	48.45	0	50	97	45	167
Butylbenzylphthalate	1	50.6	0	50	101	45	157

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : SMB4129(MS) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31337.D Sam Mult : 1 Vial# : 3 Qt On : 12/29/10 10:58
Acq On : 12/29/10 10:37 Misc : S,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.285	152	90259	40.00	ng	-0.13
29) Naphthalene-d8	6.307	136	329277	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	169890	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	265779	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	197882	40.00	ng	-0.19
100) Perylene-d12	13.656	264	164155	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	4.045	112	303655	95.11	ng	-0.12
Spiked Amount 100.000			Recovery = 95.11%			
15) Phenol-d5	5.007	99	412118	93.00	ng	-0.11
Spiked Amount 100.000			Recovery = 93.00%			
30) Nitrobenzene-d5	5.751	128	74127	52.38	ng	-0.13
Spiked Amount 50.000			Recovery = 104.76%			
52) 2-Fluorobiphenyl	7.115	172	287319	55.63	ng	-0.14
Spiked Amount 50.000			Recovery = 111.26%			
77) 2,4,6-Tribromophenol	8.372	330	47588	118.68	ng	-0.16
Spiked Amount 100.000			Recovery = 118.68%			
91) Terphenyl-d14	10.837	244	234078	62.82	ng	-0.18
Spiked Amount 50.000			Recovery = 125.64%			
Target Compounds						Qvalue
8) Pyridine	2.210	79	123661	36.72	ng	64
9) N-Nitrosodimethylamine	2.167	74	84743	46.01	ng	76
11) Benzaldehyde	4.895	77	99173	41.72	ng	79
12) Aniline	5.002	93	119908	22.39	ng	1
13) Pentachloroethane	5.034	117	45966	44.06	ng	88
14) bis(2-Chloroethyl)ether	5.077	93	129242	42.49	ng	78
16) Phenol	5.023	94	363469	74.58	ng	83
17) 2-Chlorophenol	5.109	128	270771	78.49	ng	78
18) N-Decane	5.152	57	122208	38.99	ng	83
19) 1,3-Dichlorobenzene	5.232	146	139655	40.74	ng	97
20) 1,4-Dichlorobenzene	5.296	146	153340	44.13	ng	94
21) 1,2-Dichlorobenzene	5.424	146	135283	40.76	ng	99
22) Benzyl alcohol	5.419	108	90314	39.69	ng	74
23) bis(2-chloroisopropyl)...	5.526	45	158489	42.93	ng	84
24) 2-Methylphenol	5.526	108	259590	76.36	ng	91
25) Acetophenone	5.633	105	179643	39.72	ng	63
26) Hexachloroethane	5.697	117	55963	42.00	ng	94
27) N-Nitroso-di-n-propyla...	5.638	70	92661	36.90	ng	70
28) 3&4-Methylphenol	5.654	108	269867	78.10	ng	92
31) Nitrobenzene	5.767	77	140680	43.66	ng	84
32) Isophorone	5.959	82	212229	35.98	ng	95
33) 2-Nitrophenol	6.018	139	146815	89.47	ng	92
34) 2,4-Dimethylphenol	6.066	107	251135	82.92	ng	91
35) Benzoic Acid	6.189	105	157235	84.42	ng	86
36) bis(2-Chloroethoxy)met...	6.130	93	154671	43.62	ng	98
37) 2,4-Dichlorophenol	6.216	162	200873	82.11	ng	87
38) 1,2,4-Trichlorobenzene	6.264	180	106343	40.73	ng	97
39) Naphthalene	6.323	128	372100	39.99	ng	98
40) 4-Chloroaniline	6.371	127	42655	11.33	ng	97
41) Hexachlorobutadiene	6.414	225	49015	43.33	ng	96
42) Caprolactam	6.660	113	39067	32.93	ng	62
43) 4-Chloro-3-methylphenol	6.746	107	221663	80.52	ng	85
44) 2-Methylnaphthalene	6.836	142	267902	43.83	ng	98
45) Methylnaphthalenes (To...	6.836	142	267902	43.83	ng	98
46) 1,1'-Biphenyl	7.195	154	279776	35.80	ng	94
48) 1,2,4,5-Tetrachloroben...	6.965	216	93104	44.99	ng	99
49) Hexachlorocyclopentadiene	6.949	237	21312	35.75	ng	95
50) 2,4,6-Trichlorophenol	7.056	196	126639	90.74	ng	99
51) 2,4,5-Trichlorophenol	7.093	196	131700	90.32	ng	99
53) 2-Chloronaphthalene	7.211	162	217403	46.74	ng	93
54) 1,4-Dimethylnaphthalene	7.473	156	166381	40.96	ng	90
55) Dimethylnaphthalenes (...	7.473	156	166381	40.96	ng	90
56) Diphenyl Ether	7.275	170	147407	41.43	ng	80
57) 2-Nitroaniline	7.296	65	68311	35.11	ng	68
58) Coumarin	7.468	146	79562	38.46	ng	62
59) Acenaphthylene	7.548	152	377791	48.39	ng	99
60) Dimethylphthalate	7.436	163	235373	45.75	ng	99
61) 2,6-Dinitrotoluene	7.489	165	51790	44.88	ng	68
62) Acenaphthene	7.687	153	212838	46.13	ng	98
63) 3-Nitroaniline	7.628	138	30545	22.72	ng	71
64) 2,4-Dinitrophenol	7.724	184	46753	73.22	ng	87
65) Dibenzofuran	7.837	168	311276	45.24	ng	84

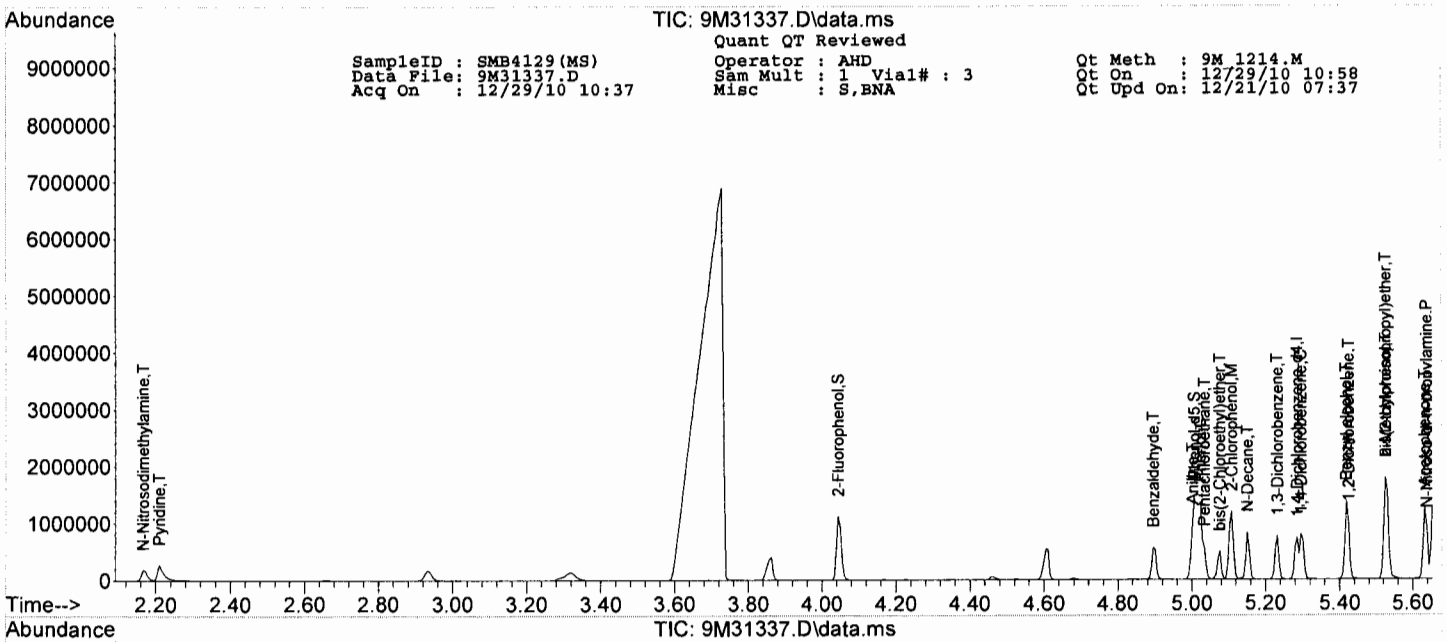
Quantitation Report (QT Reviewed)

SampleID : SMB4129(MS) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31337.D Sam Mult : 1 Vial# : 3 Qt On : 12/29/10 10:58
Acq On : 12/29/10 10:37 Misc : S,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.831	165	64676	41.76	ng	84
67)	4-Nitrophenol	7.794	65	89815	89.12	ng	95
68)	2,3,4,6-Tetrachlorophenol	7.949	232	77929	76.62	ng	89
69)	Fluorene	8.142	166	238344	41.61	ng	97
70)	4-Chlorophenyl-phenyle...	8.142	204	103701	41.87	ng	89
71)	Diethylphthalate	8.040	149	221792	44.31	ng	97
72)	4-Nitroaniline	8.174	138	59335	36.46	ng	81
73)	Atrazine	8.778	200	56224	38.97	ng	98
75)	4,6-Dinitro-2-methylph...	8.200	198	72814	86.33	ng	56
76)	n-Nitrosodiphenylamine	8.254	169	170040	36.41	ng	93
78)	1,2-Diphenylhydrazine	8.291	77	263793	52.28	ng	86
79)	4-Bromophenyl-phenylether	8.607	248	54542	49.48	ng	89
80)	Hexachlorobenzene	8.660	284	43411	43.45	ng	84
81)	N-Octadecane	8.949	57	164436	51.74	ng	77
82)	Pentachlorophenol	8.869	266	38455	69.81	ng	97
83)	Phenanthrene	9.083	178	327580	44.17	ng	98
84)	Anthracene	9.136	178	331032	43.72	ng	99
85)	Carbazole	9.313	167	300949	40.42	ng	98
86)	Di-n-butylphthalate	9.698	149	396363	48.11	ng	97
87)	Fluoranthene	10.383	202	312364	40.32	ng	93
89)	Pyrene	10.639	202	317205	48.45	ng	91
90)	Benzidine	10.554	184	19494	5.76	ng	86
94)	Butylbenzylphthalate	11.436	149	156789	50.60	ng	77
96)	3,3'-Dichlorobenzidine	12.041	252	33712	19.20	ng	94
97)	Benzo[a]anthracene	12.051	228	237871	41.51	ng	96
98)	Chrysene	12.094	228	233994	43.36	ng	97
99)	bis(2-Ethylhexyl)phtha...	12.137	149	220339	53.42	ng	96
101)	Di-n-octylphthalate	12.886	149	351773	44.63	ng	100
102)	Benzo[b]fluoranthene	13.260	252	215388	44.14	ng	95
103)	Benzo[k]fluoranthene	13.287	252	188748	40.37	ng	97
104)	Benzo[a]pyrene	13.597	252	193780	41.91	ng	94
105)	Indeno[1,2,3-cd]pyrene	14.731	276	173698	38.93	ng	96
106)	Dibenzo[a,h]anthracene	14.752	278	151816	39.82	ng	92
107)	Benzo[g,h,i]perylene	15.031	276	151585	39.74	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed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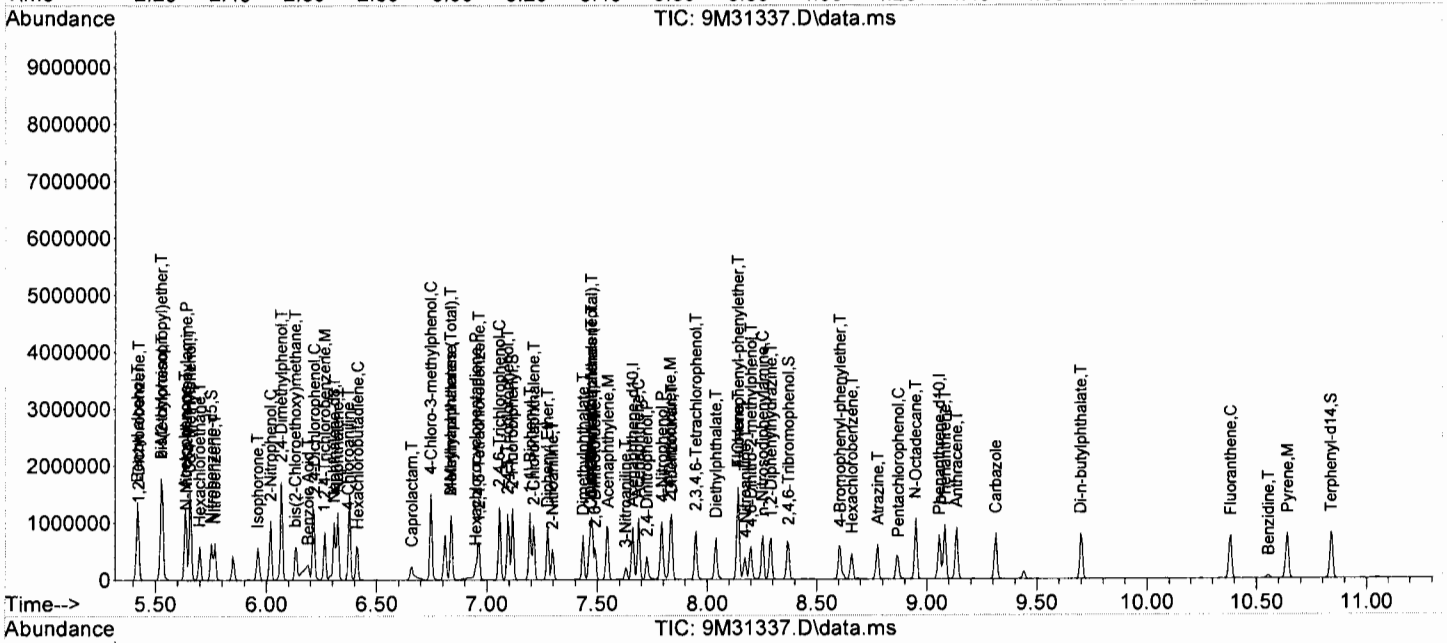
Quant QT Reviewed
SampleID : SMB4129(MS)
Data File: 9M31337.D
Acq On : 12/29/10 10:37
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 9M_1214.M
Qt On : 12/29/10 10:58
Qt Upd On: 12/21/10 07:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
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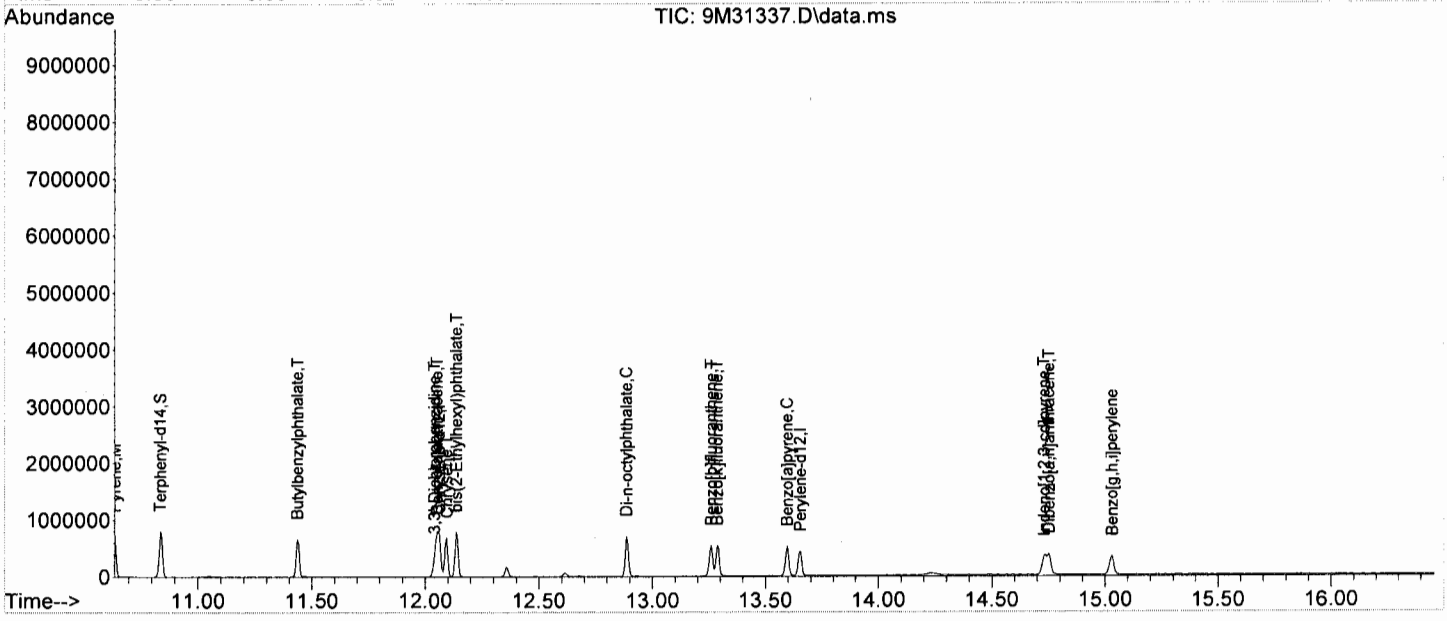
Caprolactam,T
4-Chloro-3-methylphenol,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M31337.D\data.ms
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: SMB4129

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31345.D	AC56495-001(50X)(MS)	12/29/2010 1:43:00 PM
Non Spike(If applicable):	9M31340.D	AC56495-001(50X)	12/29/2010 11:48:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	0	0	100	0*	35	130
2-Chlorophenol	1	0	0	100	0*	43	131
1,4-Dichlorobenzene	1	0	0	50	0*	26	128
2-Methylphenol	1	75	0	100	75	40	137
N-Nitroso-di-n-propylamine	1	0	0	50	0*	23	147
2,4-Dimethylphenol	1	83	0	100	83	47	135
1,2,4-Trichlorobenzene	1	0	0	50	0*	40	129
Naphthalene	1	6119.5	6580	50	-920*	44	132
4-Chloro-3-methylphenol	1	0	0	100	0*	45	142
Acenaphthene	1	1826	1981.5	50	-310*	47	137
2,4-Dinitrotoluene	1	0	0	50	0*	30	139
4-Nitrophenol	1	0	0	100	0*	35	146
Fluorene	1	975	1051	50	-150*	42	135
Pentachlorophenol	1	0	0	100	0*	38	132
Pyrene	1	1344.5	1411.5	50	-130*	45	167
Butylbenzylphthalate	1	0	0	50	0*	45	157

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31346.D	AC56495-001(50X)(MSD)	12/29/2010 2:06:00 PM
Non Spike(If applicable):	9M31340.D	AC56495-001(50X)	12/29/2010 11:48:00 A
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Phenol	1	0	0	100	0*	35	130
2-Chlorophenol	1	0	0	100	0*	43	131
1,4-Dichlorobenzene	1	0	0	50	0*	26	128
2-Methylphenol	1	90.5	0	100	90	40	137
N-Nitroso-di-n-propylamine	1	0	0	50	0*	23	147
2,4-Dimethylphenol	1	101	0	100	101	47	135
1,2,4-Trichlorobenzene	1	0	0	50	0*	40	129
Naphthalene	1	7116	6580	50	1070*	44	132
4-Chloro-3-methylphenol	1	102	0	100	102	45	142
Acenaphthene	1	2174.5	1981.5	50	386*	47	137
2,4-Dinitrotoluene	1	0	0	50	0*	30	139
4-Nitrophenol	1	0	0	100	0*	35	146
Fluorene	1	1181	1051	50	260*	42	135
Pentachlorophenol	1	0	0	100	0*	38	132
Pyrene	1	1584	1411.5	50	345*	45	167
Butylbenzylphthalate	1	0	0	50	0*	45	157

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: SMB4129

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M31346.D	AC56495-001(50X)(MSD)	12/29/2010 2:06:00 PM
Duplicate(If applicable):	9M31345.D	AC56495-001(50X)(MS)	12/29/2010 1:43:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Phenol	1	0	0	NA	31
2-Chlorophenol	1	0	0	NA	32
1,4-Dichlorobenzene	1	0	0	NA	41
2-Methylphenol	1	90.5	75	19	32
N-Nitroso-di-n-propylamine	1	0	0	NA	39
2,4-Dimethylphenol	1	101	83	20	32
1,2,4-Trichlorobenzene	1	0	0	NA	39
Naphthalene	1	7116	6119.5	15	41
4-Chloro-3-methylphenol	1	102	0	200*	32
Acenaphthene	1	2174.5	1826	17	58
2,4-Dinitrotoluene	1	0	0	NA	47
4-Nitrophenol	1	0	0	NA	36
Fluorene	1	1181	975	19	43
Pentachlorophenol	1	0	0	NA	37
Pyrene	1	1584	1344.5	16	53
Butylbenzylphthalate	1	0	0	NA	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

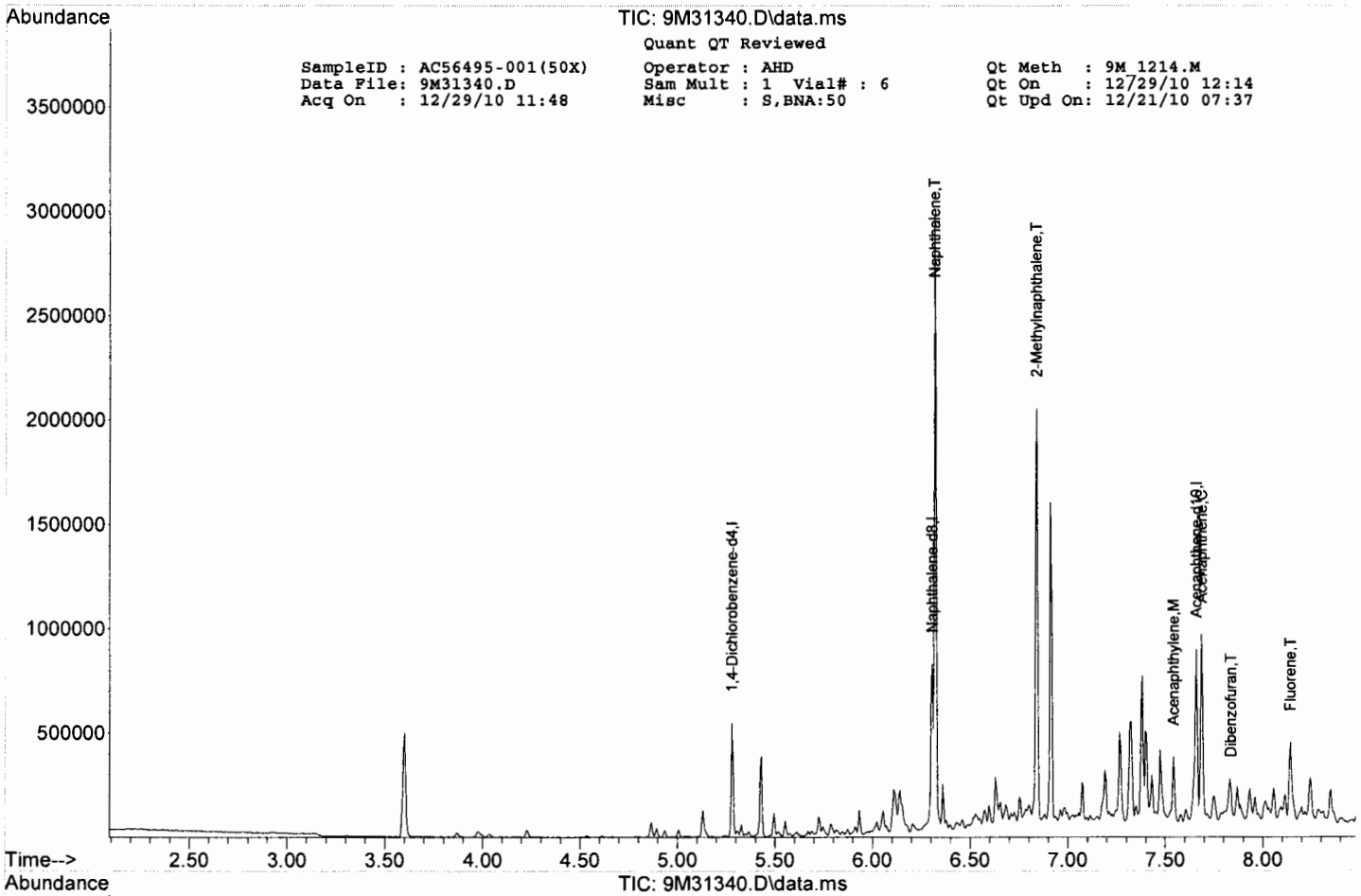
Quantitation Report (QT Reviewed)

SampleID : AC56495-001(50X) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31340.D Sam Mult : 1 Vial# : 6 Qt On : 12/29/10 12:14
Acq On : 12/29/10 11:48 Misc : S,BNA:50 Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	66214	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	259245	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	155638	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	238197	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	196000	40.00	ng	-0.19
100) Perylene-d12	13.656	264	157602	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
15) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
30) Nitrobenzene-d5	0.000	128	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
52) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
77) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
91) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
39) Naphthalene	6.323	128	963956	131.60	ng	99
44) 2-Methylnaphthalene	6.842	142	491659	102.16	ng	95
59) Acenaphthylene	7.542	152	47946	6.70	ng	89
62) Acenaphthene	7.687	153	167523	39.63	ng	92
65) Dibenzofuran	7.837	168	13404	2.13	ng	84
69) Fluorene	8.141	166	110305	21.02	ng	87
83) Phenanthrene	9.083	178	404124	60.80	ng	95
84) Anthracene	9.136	178	123620	18.22	ng	96
87) Fluoranthene	10.383	202	112154	16.15	ng	90
89) Pyrene	10.639	202	183067	28.23	ng	88
97) Benzo[a]anthracene	12.051	228	54434	9.59	ng	89
98) Chrysene	12.089	228	47315	8.85	ng	96
102) Benzo[b]fluoranthene	13.265	252	26192m	5.59	ng	
103) Benzo[k]fluoranthene	13.281	252	9664m	2.15	ng	
104) Benzo[a]pyrene	13.597	252	33304	7.50	ng	94
105) Indeno[1,2,3-cd]pyrene	14.731	276	10978	2.56	ng	87
106) Dibenzo[a,h]anthracene	14.747	278	3838m	1.05	ng	
107) Benzo[g,h,i]perylene	15.025	276	12054	3.29	ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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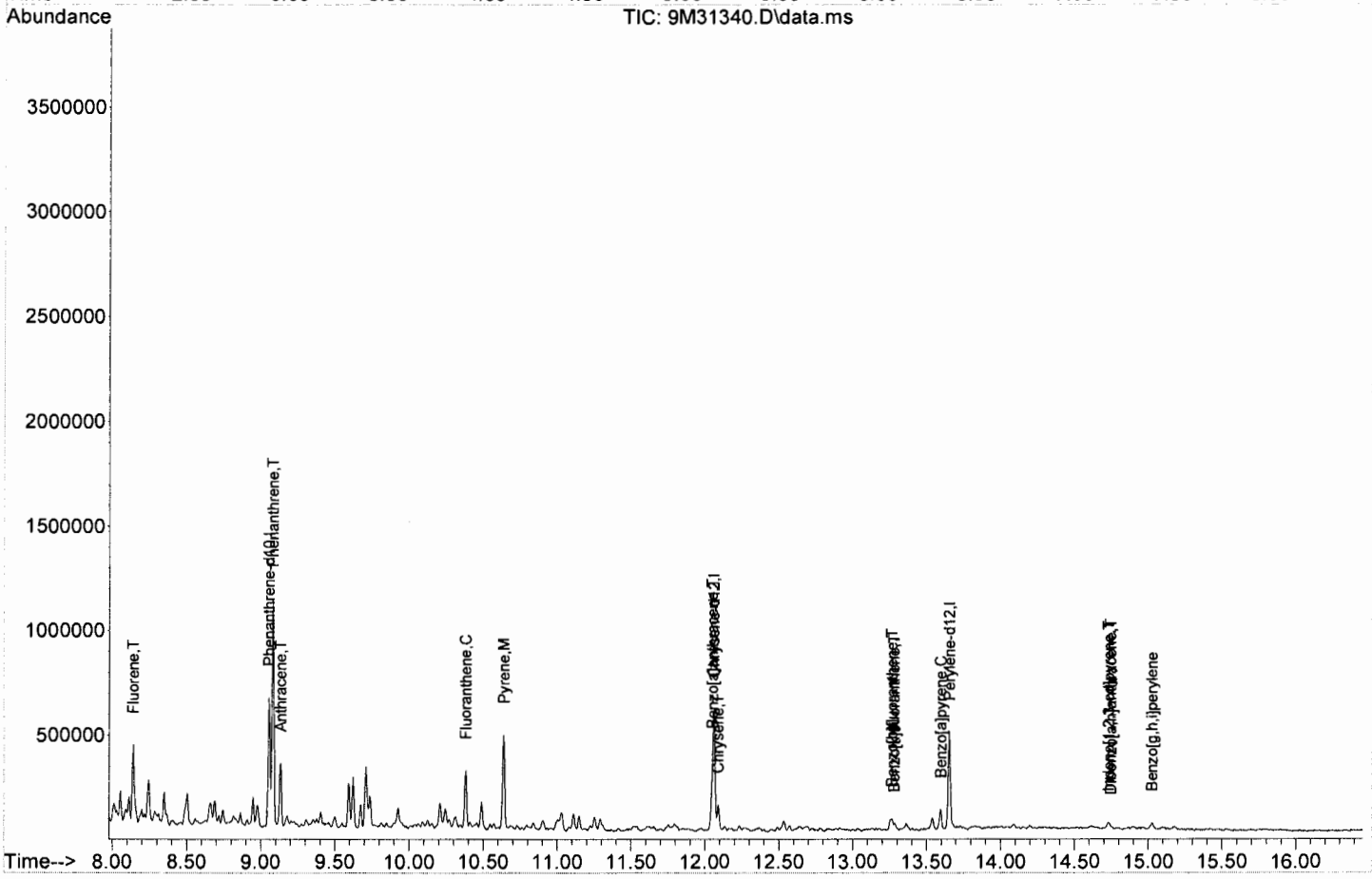
Quant QT Reviewed
SampleID : AC56495-001(50X)
Data File: 9M31340.D
Acq On : 12/29/10 11:48
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : S,BNA:50
Qt Meth : 9M_1214.M
Qt On : 12/29/10 12:14
Qt Upd On: 12/21/10 07:37
1,4-Dichlorobenzene-d4,I
Naphthalene,T
Naphthalene-d8,I
2-Methylnaphthalene,T
Acenaphthylene,M
Acenaphthene,C
Acenaphthene-d10,I
Dibenzofuran,T
Fluorene,T
Time-->


Abundance
TIC: 9M31340.D\data.ms
Fluorene,T
Phenanthrene-d10,I
Anthracene,T
Fluoranthene,C
Pyrene,M
Chrysene-d12,I
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

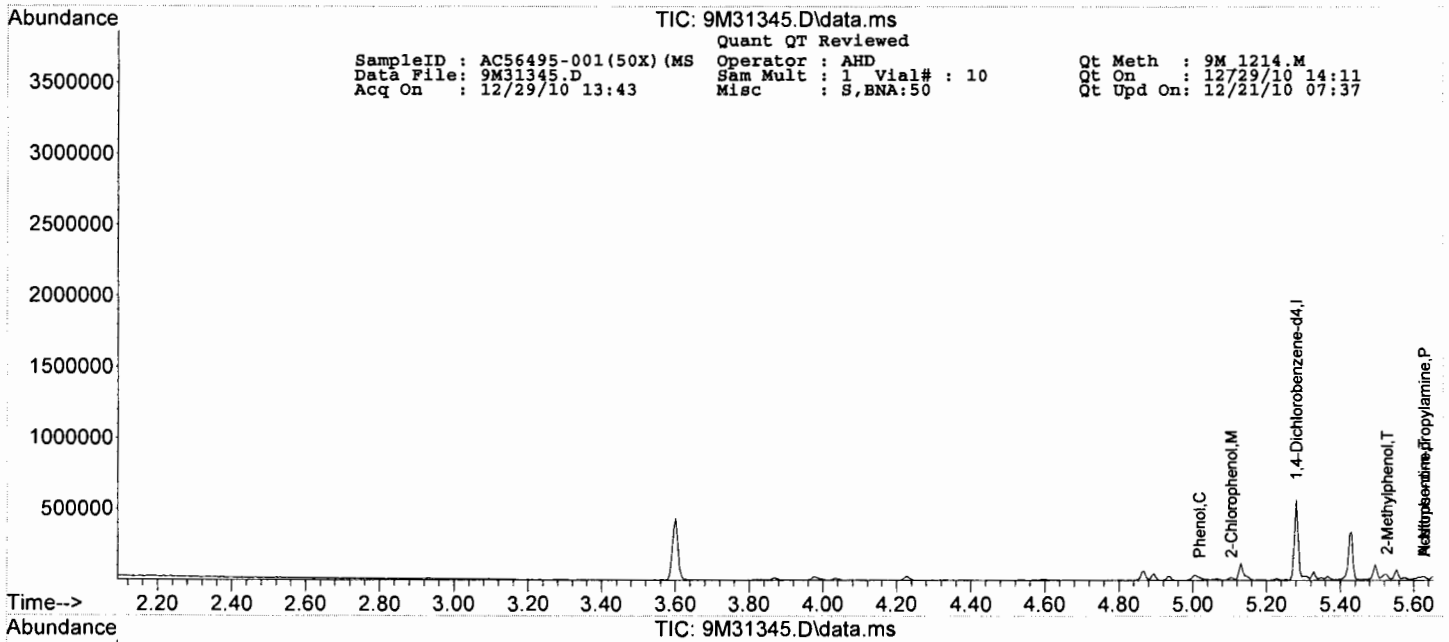
Quantitation Report (QT Reviewed)

SampleID : AC56495-001(50X)(MS Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31345.D Sam Mult : 1 Vial# : 10 Qt On : 12/29/10 14:11
Acq On : 12/29/10 13:43 Misc : S,BNA:50 Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	66327	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	260618	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	156987	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	239902	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	196924	40.00	ng	-0.19
100) Perylene-d12	13.656	264	160741	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
15) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
30) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
52) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
77) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
91) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
16) Phenol	5.018	94	4907	1.37	ng	92
17) 2-Chlorophenol	5.104	128	3537	1.40	ng	79
24) 2-Methylphenol	5.526	108	3740	1.50	ng	80
25) Acetophenone	5.628	105	5020	1.51	ng	52
27) N-Nitroso-di-n-propyla...	5.628	70	2617	1.42	ng	81
28) 3&4-Methylphenol	5.654	108	3540	1.39	ng	75
32) Isophorone	5.954	82	4765	1.02	ng	94
33) 2-Nitrophenol	6.013	139	1610	1.24	ng	87
34) 2,4-Dimethylphenol	6.066	107	3980	1.66	ng	97
37) 2,4-Dichlorophenol	6.216	162	3519	1.82	ng	79
39) Naphthalene	6.323	128	901297	122.39	ng	99
43) 4-Chloro-3-methylphenol	6.740	107	3590	1.65	ng	89
44) 2-Methylnaphthalene	6.842	142	455203	94.09	ng	94
45) Methylnaphthalenes (To...	6.842	142	455203	94.09	ng	94
46) 1,1'-Biphenyl	7.190	154	58883	9.52	ng	92
50) 2,4,6-Trichlorophenol	7.056	196	2725	2.11	ng	92
51) 2,4,5-Trichlorophenol	7.093	196	2609	1.94	ng	96
54) 1,4-Dimethylnaphthalene	7.473	156	74594	19.87	ng	76
55) Dimethylnaphthalenes (...	7.473	156	74594	19.87	ng	76
59) Acenaphthylene	7.543	152	51619	7.16	ng	94
62) Acenaphthene	7.687	153	155720	36.52	ng	93
65) Dibenzofuran	7.837	168	17461	2.75	ng	85
68) 2,3,4,6-Tetrachlorophenol	7.949	232	1188	1.26	ng	56
69) Fluorene	8.142	166	103200	19.50	ng	92
79) 4-Bromophenyl-phenylether	8.602	248	1028	1.03	ng	88
83) Phenanthrene	9.083	178	373265	55.76	ng	95
84) Anthracene	9.136	178	118404	17.33	ng	94
85) Carbazole	9.308	167	6832	1.02	ng	87
87) Fluoranthene	10.377	202	107119	15.32	ng	90
89) Pyrene	10.639	202	175229	26.89	ng	84
97) Benzo[a]anthracene	12.051	228	53613	9.40	ng	94
98) Chrysene	12.089	228	45903	8.55	ng	92
99) bis(2-Ethylhexyl)phtha...	12.137	149	5889	1.43	ng	91
102) Benzo[b]fluoranthene	13.255	252	29391m	6.15	ng	
103) Benzo[k]fluoranthene	13.282	252	10717m	2.34	ng	
104) Benzo[a]pyrene	13.597	252	34986	7.73	ng	91
105) Indeno[1,2,3-cd]pyrene	14.731	276	13427	3.07	ng	91
106) Dibenzo[a,h]anthracene	14.747	278	5661m	1.52	ng	
107) Benzo[g,h,i]perylene	15.025	276	15455m	4.14	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed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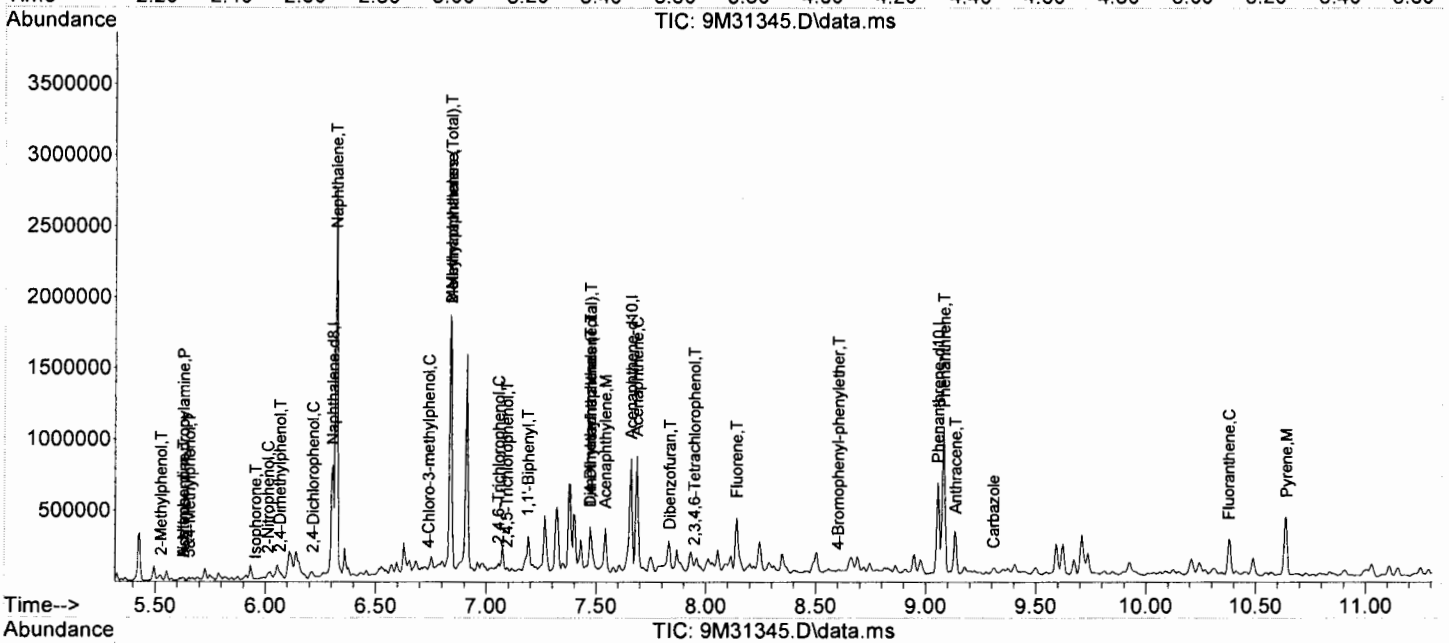
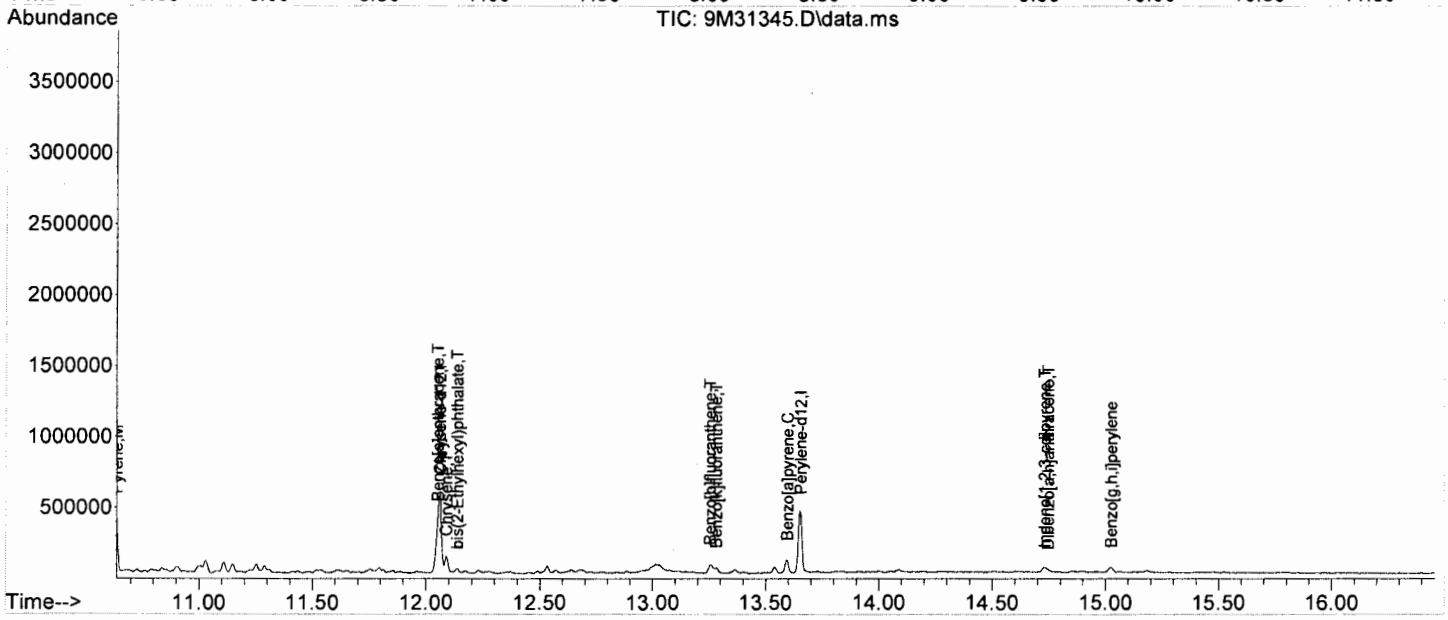
Quant QT Reviewed
SampleID : AC56495-001(50X)(MS
Data File: 9M31345.D
Acq On : 12/29/10 13:43
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : S,BNA:50
Qt Meth : 9M_1214.M
Qt On : 12/29/10 14:11
Qt Upd On: 12/21/10 07:37
Phenol,C
2-Chlorophenol,M
1,4-Dichlorobenzene-d4,I
2-Methylphenol,T
Time-->


Abundance
TIC: 9M31345.D\data.ms
2-Methylphenol,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
2,4-Dichlorophenol,C
Naphthalene,T
4-Chloro-3-methylphenol,C
1,1'-Biphenyl,T
Acenaphthylene,M
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Fluorene,T
4-Bromophenyl-phenylether,T
Anthracene,T
Carbazole
Fluoranthene,C
Pyrene,M
Time-->


Abundance
TIC: 9M31345.D\data.ms
bis(2-Ethylhexyl)phthalate,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

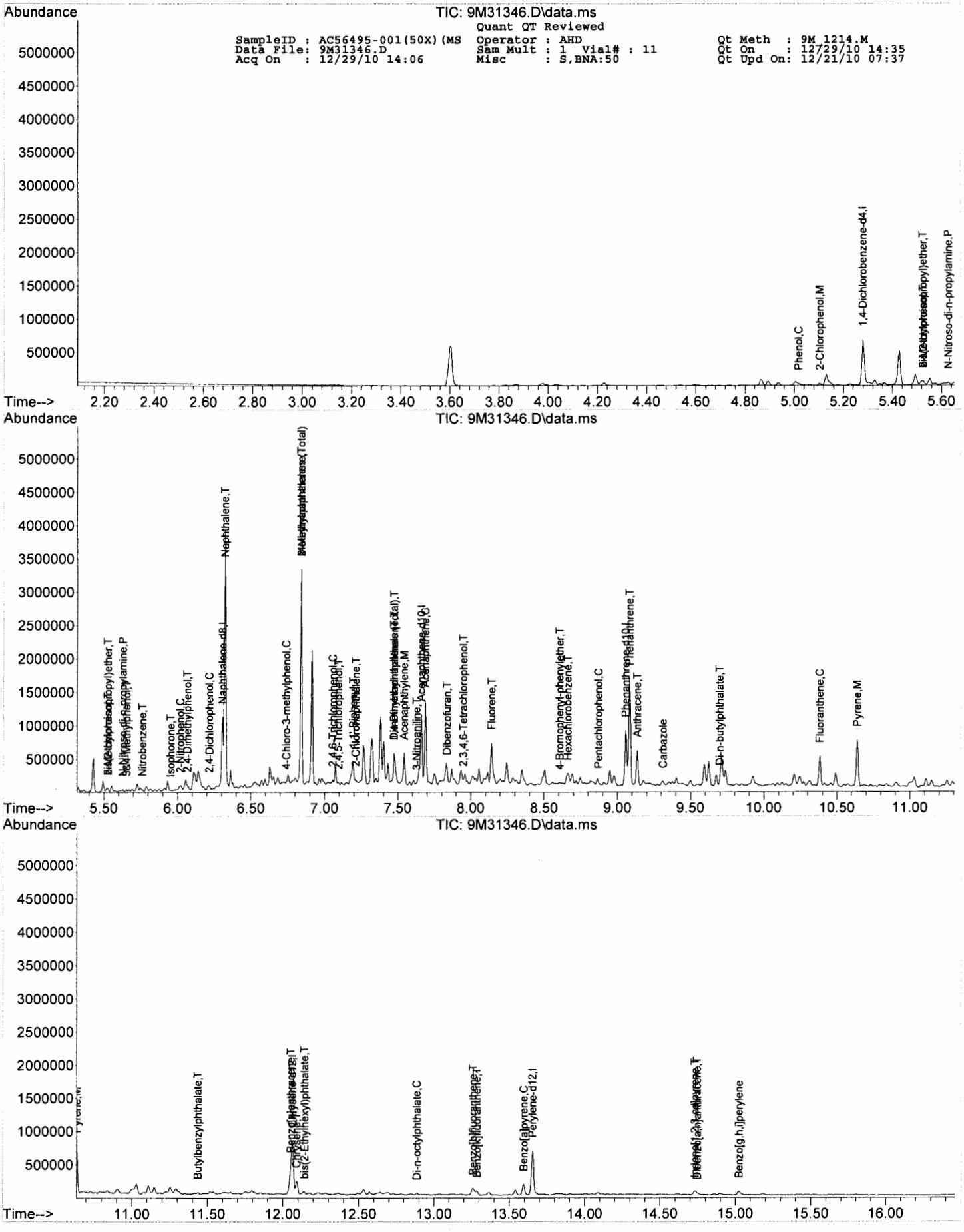
Quantitation Report (QT Reviewed)

SampleID : AC56495-001(50X)(MS Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31346.D Sam Mult : 1 Vial# : 11 Qt On : 12/29/10 14:35
Acq On : 12/29/10 14:06 Misc : S,BNA:50 Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	81634	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	341289	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	208905	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	326813	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	277664	40.00	ng	-0.19
100) Perylene-d12	13.656	264	229822	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
15) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
30) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
52) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
77) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
91) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
16) Phenol	5.018	94	7835	1.78	ng	86
17) 2-Chlorophenol	5.103	128	5295	1.70	ng	78
23) bis(2-chloroisopropyl)...	5.526	45	3863	1.16	ng	45
24) 2-Methylphenol	5.526	108	5577	1.81	ng	98
27) N-Nitroso-di-n-propyla...	5.628	70	3280	1.44	ng	88
28) 3&4-Methylphenol	5.654	108	5773	1.85	ng	100
31) Nitrobenzene	5.761	77	3471	1.04	ng	75
32) Isophorone	5.954	82	6180	1.01	ng	88
33) 2-Nitrophenol	6.018	139	3370	1.98	ng	75
34) 2,4-Dimethylphenol	6.066	107	6343	2.02	ng	93
37) 2,4-Dichlorophenol	6.216	162	4121	1.63	ng	85
39) Naphthalene	6.323	128	1372429	142.32	ng	98
43) 4-Chloro-3-methylphenol	6.740	107	5824	2.04	ng	85
44) 2-Methylnaphthalene	6.842	142	721180	113.83	ng	95
45) Methylnaphthalenes (To...	6.842	142	721180	113.83	ng	95
46) 1,1'-Biphenyl	7.195	154	94121	11.62	ng	93
50) 2,4,6-Trichlorophenol	7.056	196	3359	1.96	ng	81
51) 2,4,5-Trichlorophenol	7.093	196	3901	2.18	ng	81
53) 2-Chloronaphthalene	7.211	162	6544	1.14	ng	93
54) 1,4-Dimethylnaphthalene	7.473	156	124302	24.89	ng	72
55) Dimethylnaphthalenes (...	7.473	156	124302	24.89	ng	72
59) Acenaphthylene	7.542	152	83823	8.73	ng	92
62) Acenaphthene	7.687	153	246749	43.49	ng	91
63) 3-Nitroaniline	7.628	138	3074	1.86	ng	88
65) Dibenzofuran	7.837	168	27024	3.19	ng	78
68) 2,3,4,6-Tetrachlorophenol	7.949	232	2264	1.81	ng	86
69) Fluorene	8.141	166	166403	23.62	ng	91
79) 4-Bromophenyl-phenylether	8.607	248	1921	1.42	ng	65
80) Hexachlorobenzene	8.660	284	1290	1.05	ng	77
82) Pentachlorophenol	8.869	266	661	1.17	ng	88
83) Phenanthrene	9.083	178	617954	67.76	ng	94
84) Anthracene	9.136	178	197447	21.21	ng	96
85) Carbazole	9.313	167	11469	1.25	ng	94
86) Di-n-butylphthalate	9.698	149	10303	1.02	ng	92
87) Fluoranthene	10.383	202	182331	19.14	ng	92
89) Pyrene	10.639	202	291066	31.68	ng	89
94) Butylbenzylphthalate	11.436	149	5078	1.17	ng	82
97) Benzo[a]anthracene	12.051	228	89340	11.11	ng	90
98) Chrysene	12.089	228	75037	9.91	ng	90
99) bis(2-Ethylhexyl)phtha...	12.142	149	10149	1.75	ng	96
101) Di-n-octylphthalate	12.886	149	11182	1.02	ng	87
102) Benzo[b]fluoranthene	13.260	252	49200m	7.20	ng	
103) Benzo[k]fluoranthene	13.287	252	19311m	2.95	ng	
104) Benzo[a]pyrene	13.597	252	58822	9.09	ng	91
105) Indeno[1,2,3-cd]pyrene	14.731	276	22211	3.56	ng	100
106) Dibenzo[a,h]anthracene	14.747	278	9851m	1.85	ng	
107) Benzo[g,h,i]perylene	15.025	276	24462m	4.58	ng	

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


Abundance
TIC: 9M31346.D\data.ms
Quant QT Reviewed
SampleID : AC56495-001(50X)(MS
Data File: 9M31346.D
Acq On : 12/29/10 14:06
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : S,BNA:50
Qt Meth : 9M_1214.M
Qt On : 12729/10 14:35
Qt Upd On: 12/21/10 07:37
Phenol,C
2-Chlorophenol,M
1,4-Dichlorobenzene-d4,I
N-Nitroso-di-n-propylamine,P
Time-->
Naphthalene,T
4-Chloro-3-methylphenol,C
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
2,4-Dichlorophenol,C
Naphthalene-d8,I
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene-d10,I
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Fluorene,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Pentachlorophenol,C
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

GC/MS Semi-Volatile Data
Logbook Data

Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- QC4129
Blank Spike (SMBS): ___
Blank Spike (SMBS): _____

Date: 12/28/2010
Matrix Spike: 4117, 4129
Matrix Spike: _____

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545)_____

Sample Number	# in Batch	Initial Weight (g)	Final Volume (ml)	Fraction			Extracted By	Extract Appearance			Comments
				BN	BNA	AE		Color	Clarity	Sediment	
MB 4129	X	30.0	1.0		X		RAK				
MBS 4129	X	↓	↓		↓		↓				
AC56529-001	15										
AC56529-002	16										
AC56529-003	17										
AC56529-004	18										
AC56529-005	19				↓		↓				
AC56450-003	R	30.0	↓		↓		↓				
AC56425-006	20	↓		X			PR				
MSAC56495-001	X				X		↓				
MSDAC56495-001	X				↓						
AC56495-001	↓										
AC56425-009	2			X							
AC56495-002	3				X						
AC56381-002	R	↓	↓		↓		↓				

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000	v-102335	BN Mix
↓	↓	v-102063	CLP Mix
	2000	v-5464	Acid comp

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	v-91587	BN Surr

Reagent Lots: MeCL2 v-5504 Acetone v-5356 Hexane _____ Na2SO4 v-5444 Ether _____

MTBE _____ Other _____

Relinquished By: RAK / PR
Received By: Jlui

Date: 12/28/2010
Date: 12/28/10
12/29/10

1-1-9M30990

RUN LOG

Instrument: GCMS_9 Year: 2010
Analyst: AI 02316

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M30990.	CAL DFTPP		OK, V-100926	JB						12/13 08:26
9M30991.	BNA@50PPM	IsCnAnc	NOT USED	JB		Aqueous	1	1	625 8270	12/13 10:07
9M30992.	CAL BNA@196PPM	Oc	OK, V-103911	JB		Aqueous	1	1	625 8270	12/13 10:35
9M30993.	CAL BNA@160PPM	Oc	OK, V-103911	JB		Aqueous	1	1	625 8270	12/13 10:58
9M30994.	CAL BNA@120PPM	IsC16C18	NOT USED	JB		Aqueous	1	1	625 8270	12/13 11:21
9M30995.	CAL BNA@80PPM		OK, V-103908	JB		Aqueous	1	1	625 8270	12/13 11:44
9M30996.	CAL BNA@50PPM	C16C18	NOT USED	JB		Aqueous	1	1	625 8270	12/13 12:08
9M30997.	CAL BNA@20PPM		OK, V-103906	JB		Aqueous	1	1	625 8270	12/13 12:31
9M30998.	CAL BNA@10PPM		OK, V-103905	JB		Aqueous	1	1	625 8270	12/13 12:54
9M30999.	CAL BNA@0.5PPM		OK, V-103914	JB		Aqueous	1	1	625 8270	12/13 13:17
9M31000.	CAL BNA@2PPM		OK, V-103913	JB		Aqueous	1	1	625 8270	12/13 13:40
9M31001.	CAL BNA@50PPM		OK, V-103907	JB		Aqueous	1	1	625 8270	12/13 14:43
9M31002.	CAL BNA@120PPM		OK, V-103909	JB		Aqueous	1	1	625 8270	12/13 15:08
9M31003.	ICV BNA@50PPM		OK, V-103048	JB		Aqueous	1	1	625 8270	12/13 15:34
9M31004.	SMB2779		OK	JB		Soil	1	1	8270	12/13 16:10

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B8m	Blank 600 series missing	Etn	Toln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Toln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Diff
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emn	Problem Checking Prep/rundates modcheckprepround	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M31320.	CAL DFTPP	Ed1=2.7:Oc	OK, V-100926	JB		Aqueous	1	1		12/28 12:11
9M31321.	CAL BNA@50PPM		OK, V-103907	JB		Aqueous	1	1	625 8270	12/28 12:43
9M31322.	SMB4129		OK	JB		Soil	1	1	8270	12/28 13:40
9M31323.	AC56450-003(R)		OK	JB	BNA25-8270	Soil	1	1	8270	12/28 14:03
9M31324.	AC56529-004		OK	ahd	BNA-8270	Soil	1	1	8270	12/28 14:25
9M31325.	AC56529-002	Oc	RR 3X	JB	BNA-8270	Soil	1	1	8270	12/28 14:48
9M31326.	AC56529-003		OK	JB	BNA-8270	Soil	1	1	8270	12/28 15:11
9M31327.	AC56529-002(3X)		OK	JB	BNA-8270	Soil	3	3	8270	12/28 15:34
9M31328.	AC56445-006(T)		RR	JB	BNATCLP-82	Aqueous	1	1	8270	12/28 16:03
9M31329.	AC56445-007(T)		RR	JB	BNATCLP-82	Aqueous	1	1	8270	12/28 16:26
9M31330.	AC56445-008(T)		OK	JB	BNATCLP-82	Aqueous	1	1	8270	12/28 16:49
9M31331.	AC56445-006(T)		OK	ahd	BNATCLP-82	Aqueous	1	1	8270	12/28 17:12
9M31332.	AC56398-001(T)		OK	ahd	BN-8270	Aqueous	1	1	8270	12/28 17:35
9M31333.	EF-SPLP V-103949(12/		OK	ahd		Aqueous	1	12	8270	12/28 17:58
9M31334.	WMB4130		OK	ahd		Aqueous	1	1	625 8270	12/28 18:21

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Pren/pundates modcheckprepunds
En	Eval Time Not Checked
Ep	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tclp/Solvent Extraction Date Missing/Not check'd
Eto	Tclp Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16.I26	Initial cal 600 series failed Column 1 and or 2
I18.I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calmt csv for init calibration chek rfs
Iw	Initial cal warning. Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a sampl
M16.M26	Spike Out Col 1 and or Col 2 600 series
M16a.M16h	Spike Out Col 1 600 series Acid and or BN
M18.M28	Spike Out Col 1 and or Col 2 8000 series
M18a.M18h	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20 not checked
Cro	C30/C20 failed for eph
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or endrin
R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Ddft
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_9 Year: 2010 00318
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M31335.	CAL DFTPP	Ed1=3,6:Oc	OK, V-104760	JB		Aqueous	1	1		12/29 09:50
9M31336.	CAL BNA@50PPM		OK, V-103907	JB		Aqueous	1	1	625 8270	12/29 10:14
9M31337.	SMB4129(MS)		OK SMB4129	JB		Soil	1	1	8270	12/29 10:37
9M31338.	AC56495-001(3X)	Oc	RR 50X	JB	BNA-8270	Soil	3	3	8270	12/29 11:02
9M31339.	AC56381-002(R)		OK	JB	BNA25-8270	Soil	1	1	8270	12/29 11:25
9M31340.	AC56495-001(50X)	Sd	OK SMB4129	JB	BNA-8270	Soil	50	50	8270	12/29 11:48
9M31341.	AC56495-002(50X)	Sd	OK	JB	BNA-8270	Soil	50	50	8270	12/29 12:11
9M31342.	AC56425-006		OK	JB	BN-8270	Soil	1	1	8270	12/29 12:34
9M31343.	AC56425-009		OK	JB	BN-8270	Soil	1	1	8270	12/29 12:57
9M31344.	AC56344-002(3X)	SdEo	RE-EXTRACT	JB	BNPAH-8270	OIL/OTH	3	3	8270	12/29 13:20
9M31345.	AC56495-001(50X)(MS	SdM18	OK SMB4129	JB	BNA-8270	Soil	50	50	8270	12/29 13:43
9M31346.	AC56495-001(50X)(MS	SdR18M18	OK SMB4129	JB	BNA-8270	Soil	50	50	8270	12/29 14:06
9M31347.	AC56500-001(10X)	Oc	OK	JB	BN15-625	Aqueous	10	10	625	12/29 14:29
9M31348.	AC56500-002		RR	JB	BN15-625	Aqueous	1	1	625	12/29 14:52
9M31349.	WMB4133		OK	JB		Aqueous	1	1	625 8270	12/29 15:16
9M31350.	WMB4136		OK	JB		Aqueous	1	1	625 8270	12/29 15:39
9M31351.	AC56495-001(20X)(T)		RR STRAIGHT	AHD	BNASPLP-82	Aqueous	20	20	8270	12/29 16:02
9M31352.	AC56495-002(20X)(T)		RR STRAIGHT	AHD	BNASPLP-82	Aqueous	20	20	8270	12/29 16:25
9M31353.	AC56526-010	Oc	RR 10X	AHD	BN15-625	Aqueous	1	1	625	12/29 16:48
9M31354.	AC56526-011(10X)		OK	AHD	BN15-625	Aqueous	10	10	625	12/29 17:11
9M31355.	AC56526-012	Sb6Oc	RR 3X & RE-EXTRACT	AHD	BN15-625	Aqueous	1	1	625	12/29 17:34
9M31356.	AC56526-013	Oc	RR 3X	AHD	BN15-625	Aqueous	1	1	625	12/29 17:57
9M31357.	AC56495-001(T)		OK	AHD	BNASPLP-82	Aqueous	1	1	8270	12/29 18:20
9M31358.	AC56495-002(T)		OK	AHD	BNASPLP-82	Aqueous	1	1	8270	12/29 18:43
9M31359.	TEST					Aqueous	1	1	625 8270	12/29 19:06
9M31360.	TEST					Aqueous	1	1	625 8270	12/29 19:28
9M31361.	TEST					Aqueous	1	1	625 8270	12/29 19:51
9M31362.	TEST					Aqueous	1	1	625 8270	12/29 20:14

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Mission/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Trip/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Trip Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix mission ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmd.csv for init calibration chek rts	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning .Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 800 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepruncda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-79292

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4583	Acetone	10 ml	neat neat	

Veritech Lot Number: V-88692

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std. (2nd source)
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4974	ACETONE	10 ml	neat neat	

Veritech Lot Number: V-95941

Prepared By: Revolus, Jean
Description: 8270 EXTRA MIX#2
Prep Date: 9/16/2010
Expiration Date: 9/16/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/16/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2185	BIPHENYL	.1 g	NEAT	10000 ppm
2176	PENTACHLOROETHANE	.1 g	NEAT	10000 ppm
4005	n-Decane	.1 g	Neat neat	10000 ppm
3818	1,4-Dimethylnaphthalene	.1 g	96.5%	10000 ppm
5230	Acetone	10 ml	neat neat	
2394	n-Octadecane	.1 g	NEAT	10000 ppm
3799	CARBAZOLE	.1 g	NEAT neat	10000 ppm
3803	PYRIDINE	.1 g	NEAT neat	10000 ppm

Veritech Lot Number: V-102063

Prepared By: Bis, Yolanta
Description: CLP MIX
Prep Date: 11/17/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 1000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 11/18/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79292	8270 EXTRA MIX#1(2nd Source)	1 ml	10000 ppm	1000 ppm
V-95941	8270 EXTRA MIX#2	1 ml	10000 ppm	1000 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ml	5,000 ppm	1000 ppm
5269	Acetone	6 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102335

Prepared By: Revolus, Jean	Department: Organics	ApprovedBy: jean
Description: BN MIX	BatchNumber:	ApproveDate: 11/22/10
Prep Date: 11/22/2010	Concentration: 1000 ppm	Checked: Yes
Expiration Date: 5/22/2011	Final Volume: 10 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5466	BASE NEUTRAL COMP MIX	5 ml	2000 ppm	1000 ppm
5465	TOXIC SUBS. MIX #2	5 ml	2000 ppm	1000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-79288

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4582	methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-79292

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4583	Acetone	10 ml	neat neat	

Veritech Lot Number: V-81922

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81923

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82306

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 3/8/2010
Expiration Date: 3/8/2011
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4731	pyridine	10 ul	neat neat	10000 ppm
4698	METHYLENE CHLORIDE	990 ul	neat neat	

Veritech Lot Number: V-82585

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/10/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 03/12/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Lot Number: V-88079

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/8/2010
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4971	METHYLENE CHLORIDE	500 ml	neat neat	

Veritech Lot Number: V-88691

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std.
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4971	METHYLENE CHLORIDE	10 ml	neat neat	

Veritech Lot Number: V-88692

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std. (2nd source)
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4974	ACETONE	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-91587

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 7/27/2010
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
4669	p-Terphenyl-d14	1 g	neat neat	1000 ppm
3877	PHENOL-2,3,4,5,6-d5,	2 g	NEAT neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
5055	ACETONE	1000 ml	neat neat	

Veritech Lot Number: V-96831

Prepared By: Hamid, Akmal
Description: BNA-Pest Mix
Prep Date: 9/27/2010
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.05 g	NEAT	5000 ppm
3640	4.4'-DDD	.05 g	NEAT	5000 ppm
3641	4.4'-DDE	.05 g	NEAT	5000 ppm
5268	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-100926

Prepared By: Bis, Yolanta
Description: DFTPP Mix
Prep Date: 11/8/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 2 ml
ApprovedBy: akmal
ApproveDate: 11/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
4874	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5386	methylene chloride	1450 ul	neat neat	

Veritech Lot Number: V-103035

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
4664	Benzoic Acid	150 ul	2000 ppm	250 ppm
4510	TCL Benzidines mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
V-88691	Coumarin Stock Std.	60 ul	5,000 ppm	250 ppm
5428	Methylene Chloride	270 ul	Neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103047

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4666	TCL PAH Mix	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-82306	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
5428	Methylene Chloride	360 ul	Neat neat	

Veritech Lot Number: V-103048

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 12/1/2010
Expiration Date: 1/5/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103047	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-79292	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ul	5,000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5428	Methylene Chloride	153 ul	Neat neat	

Veritech Lot Number: V-103903

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 500 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79288	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
V-103035	BNA STOCK Std.A	400 ul	250 ppm	200 ppm
5467	Methylene Chloride	90 ul	neat neat	

Veritech Lot Number: V-103905

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	93 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103906

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-103907

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
V-103903	BNA STOCK Std.	150 ul	200 ppm	50 ppm
5467	Methylene Chloride	438 ul	neat neat	

Veritech Lot Number: V-103908

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-103909

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	38 ul	neat neat	

Veritech Lot Number: V-103910

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	18 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103911

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: jean
Description:	BNA 196 ppm curve	BatchNumber: B-9300	ApproveDate: 12/14/10
Prep Date:	12/13/2010	Concentration: 196 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-103912

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: jean
Description:	BNA 50 ppm curve	BatchNumber: B-9300	ApproveDate: 12/14/10
Prep Date:	12/13/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5467	Methylene Chloride	75 ul	neat neat	

Veritech Lot Number: V-103913

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: jean
Description:	BNA 2 ppm curve	BatchNumber: B-9300	ApproveDate: 12/14/10
Prep Date:	12/13/2010	Concentration: 2 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103912	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	94 ul	neat neat	

Veritech Lot Number: V-103914

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: jean
Description:	BNA 0.5 ppm curve	BatchNumber: B-9300	ApproveDate: 12/14/10
Prep Date:	12/13/2010	Concentration: 0.5 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103912	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	97 ul	neat neat	

Veritech Lot Number: V-104760

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	DFTPP Mix	BatchNumber:	ApproveDate: 12/28/10
Prep Date:	12/28/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date:	3/10/2011	Final Volume: 2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
5434	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5504	Methylene Chloride	1450 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1430

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	B1334-2G	08505LB	02/20/04	02/20/11	Hamid, Akmal	1	2G	Neat	Neat

Veritech Control/Receipt Number: 1431

Description
E-Caprolactam

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	C2204-5G	05824JI	02/20/04	02/20/11	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 1809

Description
DIPHENYL ETHER

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	240834-5G	09303PC	06/23/06	06/23/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2587

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	neat	neat

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH1	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3213

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Control/Receipt Number: 3877

Description
PHENOL-2,3,4,5,6-d5,

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ISOTEC	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3977

Description
ATRAZINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2208	401-135A	03/11/09	04/30/11	Revolus, Jean	1	500m	NEAT	

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4510

Description
TCL Benzidines mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4582

Description
methylene chloride

ApprovedBy: akmal
ApproveDate: 12/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H45S00	12/29/09	02/27/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4583

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	H15E22	12/29/09	07/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 4664

Description
Benzoic Acid

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A070384	01/27/10	09/30/13	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4666

Description
TCL PAH Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB69185	01/29/10	08/31/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4667

Description
TCL Base-Neutral Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-U	LB67896	01/29/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4669

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500mg	CX1560	01/29/10	01/29/16	Hamid, Akmal	1	500m	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 02/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	02/23/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4731

Description
pyridine

ApprovedBy: jean
ApproveDate: 03/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Control/Receipt Number: 4872

Description
TCL Phenols/Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	04/20/10	07/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4874

Description
DDT/Endrin Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	04/20/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 4971

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J16S00	06/08/10	07/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 5386

Description
methylene chloride

ApprovedBy: jean
ApproveDate: 11/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J38S00	10/29/10	12/31/11	Lopez, Jose	180	4L	neat	neat

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5467

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J38S00	11/23/10	12/31/11	Lopez, Jose	80	4L	neat	neat

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1430

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	B1334-2G	08505LB	02/20/04	02/20/11	Hamid, Akmal	1	2G	Neat	Neat

Veritech Control/Receipt Number: 1431

Description
E-Caprolactam

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	C2204-5G	05824JI	02/20/04	02/20/11	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 1809

Description
DIPHENYL ETHER

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	240834-5G	09303PC	06/23/06	06/23/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3799

Description
CARBAZOLE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2001	396-141B	01/02/09	03/31/13	Hamid, Akmal	1	2G	NEAT	NEAT

Veritech Control/Receipt Number: 3803

Description
PYRIDINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P368-500	085002	01/06/09	01/05/12	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Control/Receipt Number: 3977

Description
ATRAZINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2208	401-135A	03/11/09	04/30/11	Revolus, Jean	1	500m	NEAT	

Veritech Control/Receipt Number: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat

Veritech Control/Receipt Number: 4583

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	H15E22	12/29/09	07/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5230

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/08/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/07/10	11/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5465

Description
TOXIC SUBS. MIX #2

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	Z-014E-PAK	B8010091-1A	11/19/10	09/01/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5466

Description
BASE NEUTRAL COMP MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-BN-PAK	210101171	11/19/10	10/15/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5356

Description
acetone

ApprovedBy: jean
ApproveDate: 10/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J35E37	10/19/10	11/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5444

Description
SODIUM SULFATE

ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SEIDLER	SC-3375-1C	026129	11/16/10	11/16/12	Okomeng, Maxwel	4	100-L	neat	neat

Veritech Control/Receipt Number: 5464

Description
ACID COMP MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-A-R-PAK	B8120276	11/19/10	12/29/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Metal Data

Metal Data
Sample Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-001	% Solid:	88	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-1	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.52	3.5	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-39-3	Barium	0.030	46B	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-43-9	Cadmium	0.035	ND	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-47-3	Chromium	0.18	14	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7439-92-1	Lead	0.22	13	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7439-97-6	Mercury	0.015	ND	1	0.15	25	12/23/10	3190	H12188S	37	CV	HGCV2A
7782-49-2	Selenium	1.1	ND	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A
7440-22-4	Silver	0.068	ND	1	0.5	50	12/27/10	3190	S12188A	23	P	PEICP1A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-002	% Solid:	88	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-2	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.52	4.0	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-39-3	Barium	0.030	44B	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-43-9	Cadmium	0.035	ND	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-47-3	Chromium	0.18	15	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7439-92-1	Lead	0.22	13	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7439-97-6	Mercury	0.015	ND	1	0.15	25	12/23/10	3190	H12188S	38	CV	HGCV2A
7782-49-2	Selenium	1.1	ND	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A
7440-22-4	Silver	0.068	ND	1	0.5	50	12/27/10	3190	S12188A	24	P	PEICP1A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Metal Data
QC Data

FORM 2
(ICV/CCV Summary)

Date Analyzed: 12/27/10
Data File: S12188A
Prep Batch: 3190
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-101549 (2)-7	Rec	CCV V-102763-19	Rec	CCV V-102763-28	Rec	CCV V-102763-37	Rec	CCV V-102763-47	Rec		Rec		Rec		Rec
Antimony	1/.5	1.01370	101	0.515763	103	0.509665	102	0.509800	102	0.507715	102						
Arsenic	1/.5	1.00734	101	0.506755	101	0.512172	102	0.507010	101	0.510073	102						
Barium	1/.5	1.03282	103	0.514197	103	0.505569	101	0.506087	101	0.500265	100						
Beryllium	1/.5	1.01659	102	0.497540	100	0.495340	99	0.496893	99	0.495268	99						
Cadmium	1/.5	1.01451	101	0.510836	102	0.508609	102	0.508420	102	0.509110	102						
Chromium	1/.5	1.01906	102	0.516160	103	0.515565	103	0.514634	103	0.517601	104						
Cobalt	1/.5	1.01048	101	0.517735	104	0.513773	103	0.513430	103	0.513765	103						
Copper	1/.5	1.02750	103	0.498497	100	0.491591	98	0.492944	99	0.492069	98						
Lead	1/.5	1.00883	101	0.499587	100	0.493011	99	0.491850	98	0.488091	98						
Manganese	1/.5	1.01093	101	0.509364	102	0.510304	102	0.511627	102	0.514612	103						
Nickel	1/.5	1.00021	100	0.512610	103	0.505203	101	0.506369	101	0.498468	100						
Selenium	1/.5	0.995224	100	0.503587	101	0.506651	101	0.502960	101	0.499837	100						
Silver	0.2/.1	0.203169	102	0.102323	102	0.102285	102	0.102783	103	0.103377	103						
Vanadium	1/.5	0.982105	98	0.482046	96	0.475593	95	0.475643	95	0.467460	93						
Zinc	1/.5	1.00107	100	0.511176	102	0.504820	101	0.506000	101	0.506439	101						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 12/23/10
Data File: H12188S
Prep Batch: 3190
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-21		CCV-33		CCV-39									
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.45	102	10.46	105	10.35	104	10.35	104								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/27/10
Data File: S12188A
Prep Batch: 3190
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-102780-8	CCB-20	CCB-29	CCB-38	CCB-48	MB 12188 (100)-11
Antimony	-.00413 a J	.00404 U	-.00445 a J	.00404 U	.00404 U	.4 U
Arsenic	.0046 U	.0046 U	.0046 U	.0046 U	.0046 U	.46 U
Barium	.000266 U	.000266 U	.000338 a J	.000266 U	.000266 U	.28 a J
Beryllium	.000107 a J	.0000624 U	.0000624 U	.0000624 U	.0000624 U	.0062 U
Cadmium	.000311 U	.000311 U	.000311 U	.000311 U	.000311 U	.031 U
Chromium	-.00458 a J	-.00453 a J	-.00418 a J	-.00461 a J	-.00463 a J	.16 U
Cobalt	-.00427 a J	-.00428 a J	-.00443 a J	-.00485 a J	-.00485 a J	.066 U
Copper	.00544 a J	.00404 a J	.00431 a J	.00306 a J	.00408 a J	.73 a J
Lead	.00198 U	-.00247 a J	.00198 U	-.0024 a J	.00198 U	.2 U
Manganese	.000442 U	.000442 U	.000442 U	.000442 U	.000442 U	.053 a J
Nickel	.000475 U	.000475 U	.000516 a J	.000475 U	.000475 U	.048 U
Selenium	.00984 U	.00984 U	.00984 U	.00984 U	.00984 U	.98 U
Silver	.000602 U	.000602 U	.000602 U	.000602 U	.000602 U	.06 U
Vanadium	-.00277 a J	-.00247 a J	-.00271 a J	-.00213 a J	-.00301 a J	.079 U
Zinc	.0076 U	.0076 U	.0076 U	.0076 U	.0076 U	.78 a J

nd 2/23/11

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/23/10
Data File: H12188S
Prep Batch: 3190
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-40	MB 3190 (167)-11			
Mercury	.077 U	.077 U	.077 U	.077 U	13 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 12/27/10
Data File: S12188A
Prep Batch: 3190
Reporting Limits Used: SOIL,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-102257-9	Rec	ICSAB V-102798-10	Rec	ICSA V-102257-26	Rec	ICSAB V-102798-27	Rec	ICSA V-102257-45	Rec	ICSAB V-102798-46	Rec	Rec	Rec
Aluminum	500	435.356	87	463.21200	93	434.555	87	451.97200	90	433.147	87	457.46600	91		
Antimony	1	U		0.97676	98	U		0.98305	98	U		0.98700	99		
Arsenic	1	U		0.96985	97	U		0.97934	98	U		0.99039	99		
Barium	.5	U		0.47700	95	U		0.46946	94	U		0.46266	93		
Beryllium	.5	U		0.49098	98	U		0.49446	99	U		0.49273	99		
Cadmium	1	U		0.91611	92	U		0.92418	92	U		0.92067	92		
Calcium	500	438.144	88	447.03900	89	435.454	87	446.81600	89	429.784	86	436.19000	87		
Chromium	.5	U		0.46646	93	U		0.46508	93	U		0.47449	95		
Cobalt	.5	U		0.44784	90	U		0.44747	89	U		0.44863	90		
Copper	.5	U		0.50508	101	U		0.50944	102	U		0.49791	100		
Iron	200	167.106	84	172.10700	86	166.829	83	173.67100	87	167.04	84	171.22700	86		
Lead	1	U		0.94483	94	U		0.92797	93	U		0.91739	92		
Magnesium	500	459.951	92	481.82900	96	456.686	91	473.87400	95	455.881	91	480.40500	96		
Manganese	.5	U		0.44829	90	U		0.45306	91	U		0.45464	91		
Nickel	1	U		0.92317	92	U		0.91495	91	U		0.89931	90		
Selenium	1	U		0.89768	90	U		0.90713	91	U		0.91939	92		
Silver	1	U		1.07219	107	U		1.09398	109	U		1.08852	109		
Vanadium	.5	U		0.45218	90	U		0.44813	90	U		0.43206	86		
Zinc	1	U		0.91582	92	U		0.90922	91	U		0.91093	91		

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 5/FORM 7
SPIKE/LCS RECOVERY

Date Analyzed: 12/27/10
Data File: S12188A
Prep Batch: 3190
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205
MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
Matrix: SOIL
Level: Low

Analyte	Spike Amts MS-Tclp MS-Aq MS-soil	LCS Soil	LCS Aq	LCS Rec Limits	Non Spike Conc AC56477-002-I4		AC56477-002-16-1X	%REC OR Conc	AC56477-002-17-1X	%REC OR Conc	LCS-12-1X	%REC OR Conc	LCS MR-13-1X	%REC OR Conc	%REC OR Conc
Antimony	.5	1.22		0.02 - 2.69	0.02	U	0.365942	73 a	0.368195	74 a	1.43763	1.44	1.37651	1.38	
Arsenic	.5	0.926		0.768 - 1.08	0.0245219		0.50587	96	0.492047	94	0.987017	.987	0.936983	.937	
Barium	.5	1.69		1.40 - 1.98	0.205413		0.707632	100	0.67441	94	1.82777	1.83	1.74706	1.75	
Beryllium	.5	0.624		0.523 - 0.724	0.006	U	0.490381	98	0.492351	98	0.646508	.647	0.61998	.62	
Cadmium	.5	0.618		0.515 - 0.720	0.006	U	0.482726	97	0.481945	96	0.638954	.639	0.620419	.62	
Chromium	.5	0.713		0.583 - 0.843	0.170381		0.70245	106	0.640289	94	0.771177	.771	0.73924	.739	
Cobalt	.5	1.03		0.877 - 1.19	0.0477198		0.555512	102	0.527567	96	1.13833	1.14	1.09833	1.1	
Copper	.5	0.812		0.681 - 0.943	0.25446		0.752657	100	0.668572	83	0.887217	.887	0.854232	.854	
Lead	.5	0.924		0.770 - 1.08	0.264523		0.837588	115	0.697635	87	0.963664	.964	0.921583	.922	
Manganese	.5	2.86		2.36 - 3.36	0.727878		1.40105	135 a	0.971829	49 a	3.00967	3.01	2.95389	2.95	
Nickel	.5	0.591		0.495 - 0.687	0.0760548		0.573293	99	0.537488	92	0.630013	.63	0.613037	.613	
Selenium	.5	0.895		0.707 - 1.08	0.018	U	0.463082	93	0.464697	93	0.903915	.904	0.843847	.844	
Silver	.1	0.344		0.228 - 0.460	0.015	U	0.0953699	95	0.0950735	95	0.37651	.377	0.355224	.355	
Vanadium	.5	0.592		0.435 - 0.748	0.32518		0.84315	104	0.67806	71 a	0.584846	.585	0.569828	.57	
Zinc	.5	1.41		1.14 - 1.68	0.547917		1.07818	106	0.917558	74 a	1.53178	1.53	1.4665	1.47	

MS Qc Limits:

EPA200.7/200.8	6010B	6020
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

Flags:

U: Conc < Reporting Limit
a: Recovery Failed Specified Limit
b: Recovery Failed Specified Limit but Non Spike concentration > 4* spike amount

Note: All Elements analyzed by ICP(P) or ICP-MS except Mercury(CV)

FORM 5/FORM 7
SPIKE/LCS RECOVERY

Date Analyzed: 12/23/10
Data File: H12188S
Prep Batch: 3190
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205
MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
Matrix: SOIL
Level: Low

Analyte	Spike Amts MS-Tclp MS-Aq MS-soil	Spike Amts LCS Soil	Spike Amts LCS Aq	LCS Rec Limits	Non Spike Conc AC56477-002-I4		AC56477-002-16-1X	%REC OR Conc	AC56477-002-17-1X	%REC OR Conc	LCS-12-1X	%REC OR Conc	LCS MR-13-1X	%REC OR Conc		%REC OR Conc
Mercury	10	22.6		16.17 - 29.0	0.5	U	10.26	103	10.32	103	22.17	22.2	22.76	22.8		

MS Qc Limits:

EPA200.7/200.8	6010B	6020
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

Flags:

U: Conc < Reporting Limit
a: Recovery Failed Specified Limit
b: Recovery Failed Specified Limit but Non Spike concentration > 4* spike amount

Note: All Elements analyzed by ICP(P) or ICP-MS except Mercury(CV)

FORM6/FORM9
RPDS

Date Analyzed: 12/27/10
Data File: S12188A
Prep Batch: 3190
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

	Qc Limits		Sample	Method Rep		LCS	LCS MR		Sample	Serial Dil	
Analyte	LCS/MR	SD	AC56477-002-14	AC56477-002-15	RPD	LCS-12	LCS MR-13	RPD	AC56477-002-14	AC56477-002-21	%Diff
Antimony	<=20	<=10	0.02 U	0.02 U	---				0.0120307	0.01255 U	---
Arsenic	<=20	<=10	0.0245219	0.0285936	15				0.0245219	0.02315 U	---
Barium	<=20	<=10	0.205413	0.210540	2.5				0.205413	0.2111805	2.8
Beryllium	<=20	<=10	0.006 U	0.006 U	---				0.0045982	0.0078025	70 Sa
Cadmium	<=20	<=10	0.006 U	0.006 U	---				0.000169 U	0.000845 U	---
Chromium	<=20	<=10	0.170381	0.166264	2.4				0.170381	0.1580765	7.2
Cobalt	<=20	<=10	0.0477198	0.0613363	25 Nb				0.0477198	0.03251	32 Sa
Copper	<=20	<=10	0.254460	0.217091	16				0.254460	0.2533485	0.44
Lead	<=20	<=10	0.264523	0.238179	10				0.264523	0.261665	1.1
Manganese	<=20	<=10	0.727878	0.972982	29 Na	3.00967	2.95389	1.9	0.727878	0.75685	4
Nickel	<=20	<=10	0.0760548	0.100249	27 Nb				0.0760548	0.0754365	0.81
Selenium	<=20	<=10	0.018 U	0.018 U	---				0.00696 U	0.0348 U	---
Silver	<=20	<=10	0.015 U	0.015 U	---				0.000277 U	0.001385 U	---
Vanadium	<=20	<=10	0.325180	0.312289	4				0.325180	0.3028325	6.9
Zinc	<=20	<=10	0.547917	0.546041	0.34				0.547917	0.581995	6.2

Flags:

Na::Method Rep outside of Qc Limits
Nb :Method Rep out but concentrations < 5* Reporting Limits
U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)
Lm:Lcs Rpd Out

Sa:Serial Dilution outside of qc limits
Sb: Serial dilution out but concentration < 10 * IDL
E: Serial Dilution outside of qc limits CLP

FORM6/FORM9
RPDS

Date Analyzed: 12/23/10
Data File: H12188S
Prep Batch: 3190
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

	Qc Limits		Sample	Method Rep		LCS	LCS MR		Sample	Serial Dil	
Analyte	LCS/MR	SD	AC56477-002-14	AC56477-002-15	RPD	LCS-12	LCS MR-13	RPD			%Diff
Mercury	<=20	<=10	.5 U	.5 U	---						

Flags:

Na::Method Rep outside of Qc Limits
Nb :Method Rep out but concentrations < 5* Reporting Limits
U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)
Lm:Lcs Rpd Out

Sa:Serial Dilution outside of qc limits
Sb: Serial dilution out but concentration < 10 * IDL
E: Serial Dilution outside of qc limits CLP

Metal Data
Verification of Instrument Parameters

INTERELEMENT CORRECTION SUMMARY
PEICP1

Interfering Elements

Interfered Elements	Al	Ca	Fe	Mg	Mn	Zn	Ti	Mo
Al	N/A	0	0	0	0	0	0	18.2
Sb	-0.29	-0.022	-0.0615	0.00272	0	0	0	-13.7
As	0	-0.0291	-0.0757	0.01021	0	0	2.69	0
Ba	0	0	0.0428	0	0	0	0	-0.673
Be	0	0	-0.207	0	0	0	0	0.114
Cd	0	0	0.0839	0	0	0	0	0
Ca	0	N/A	0	0	0	0	0	0
Cr	0.0144	0	0	0	0	-7.89	0	-0.338
Co	0	0	0.000428	0	0	0	1.851	-0.478
Cu	0	0.0245	0	0	0	0	-0.334	0.605
Fe	0	0	N/A	0	0	0	0	0
Pb	-0.128	-0.0198	0.0431	0	0	0	-0.684	-1
Mg	0	0	0	N/A	0	0	0	0
Mn	0	0	-0.0482	0.0177	N/A	0	0.0369	0
Mo	-0.0326	0	-0.0346	0	0	0	0	N/A
Ni	0	0	0.0317	0	0	0	0	-0.469
Se	0.0144	0.133	0.0477	0	0	0	0.0688	0
Ag	0	-0.0189	-0.032	0	0	0	0	0
Tl	-0.0521	0.0131	-0.0341	0	-0.884	0	-20.8	0.322
Sn	0.00402	-0.0406	0	-0.015	0	0	-0.527	0
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0	0.351	0	0	0	-7.42
Zn	0	0	0	0.0322	0	0	0	0

IEC'S RUN 09/24/2010
modified Mn on 11/19/10, Sn 12/03/10, Zn on 12/07/10, Cd on 12/09/10, As on 12/14/10. modified Co, Se on 12/21/10. modified Ba, Pb, Sb, V on 12/27/10. modified Be, Tl on 12/28/10.

INTERELEMENT CORRECTION SUMMARY
PEICP1

Interfering Elements

Interfered Elements	Al	Ca	Fe	Mg	Mn	Zn	Ti	Mo
Al	N/A	0	0	0	0	0	0	18.2
Sb	-0.29	-0.022	-0.0615	0.00272	0	0	0	-13.7
As	0	-0.0291	-0.0757	0.01021	0	0	2.69	0
Ba	0	0	0.0428	0	0	0	0	-0.673
Be	0	0	-0.271	0	0	0	0	0.114
Cd	0	0	0.0839	0	0	0	0	0
Ca	0	N/A	0	0	0	0	0	0
Cr	0.0144	0	0	0	0	-7.89	0	-0.338
Co	0	0	0.000428	0	0	0	1.851	-0.478
Cu	0	0.0245	0	0	0	0	-0.334	0.605
Fe	0	0	N/A	0	0	0	0	0
Pb	-0.128	-0.0198	0.0431	0	0	0	-0.684	-1
Mg	0	0	0	N/A	0	0	0	0
Mn	0	0	-0.0482	0.0177	N/A	0	0.0369	0
Mo	-0.0326	0	-0.0346	0	0	0	0	N/A
Ni	0	0	0.0317	0	0	0	0	-0.469
Se	0.0144	0.133	0.0477	0	0	0	0.0688	0
Ag	0	-0.0189	-0.032	0	0	0	0	0
Tl	-0.0601	0.0131	-0.0341	0	-0.884	0	-28.1	0.322
Sn	0.00402	-0.0406	0	-0.015	0	0	-0.527	0
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0	0.351	0	0	0	-7.42
Zn	0	0	0	0.0322	0	0	0	0

IEC'S RUN 09/24/2010
modified Mn on 11/19/10, Sn 12/03/10, Zn on 12/07/10, Cd on 12/09/10, As on 12/14/10. modified Co, Se on 12/21/10. modified Ba, Be, Pb, Sb, Tl, V on 12/27/10.

MDL / RL SUMMARY
SOIL SW846
PE ICP 1

ELEMENT	MDL	Reporting Limits (Mg/Kg)
Al	0.0421	200
Sb	0.00713	2
As	0.00712	2
Ba	0.000571	10
Be	0.0000735	0.6
Cd	0.000159	0.6
Ca	0.155	1000
Cr	0.00463	5
Co	0.000868	2.5
Cu	0.002	5
Fe	0.104	200
Pb	0.00164	5
Mg	0.0292	500
Mn	0.00126	10
Mo	0.00516	2.5
Ni	0.000949	5
Se	0.00793	1.8
Ag	0.00165	1.5
Tl	0.0039	1.2
Sn	0.00349	5.7
Ti	0.000287	35
V	0.000731	10
Zn	0.0196	10

Sb, Co, Mo, Se, Tl, Sn, Ti and Zn analyzed on 5/6/10. As and Ag analyzed on 5/18/10. All the others analyzed on 5/5/10.

HGCV2 MDL/RL SUMMARY

Element: Mercury
Instrument: PE FIMS 100 **Instrument ID:** HgCV2
Technique: CV **Analyst** Mudassar Janjua

600 Series	METHOD	MDL (ppb)	Completed	RL (ppb)
H2O	245.1	0.0766	9/8/2010	0.20
SW846				
H2O	7470A	0.0613	9/15/2010	0.70
SOIL	7471 A	0.1676	9/13/2010	0.50
TCLP	7470A	0.1380	9/13/2010	0.70
SPLP	7470A	0.0816	9/13/2010	0.70

LINEAR RANGES
PE ICP 1
AXIAL

ELEMENT	LINEAR RANGE (PPM)
Al	450
Sb	45
As	45
Ba	36
Be	9
Cd	36
Ca	630
Cr	45
Co	45
Cu	45
Fe	360
Pb	45
Mg	900
Mn	27
Mo	45
Ni	45
Se	45
Ag	1.8
Tl	45
Sn	45
Ti	45
V	36
Zn	45

Sn analyzed on 5/17/10. Be, Cu, Tl, Zn, Mn, V, and Ag analyzed on 5/14/10. Ca and Mg analyzed on 05/20/10. All the others anayzed on 5/13/10.

Metal Data
Raw Data

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104519

Prepared By: Aliano, Carmela
Description: Hg Intermediate Standard
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9355
Concentration: .25 ppm
Final Volume: 500 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4819	Mercury	.125 ml	1000 mg/l	
5482	Nitric Acid	12.5 ml	neat neat	

Veritech Lot Number: V-104520

Prepared By: Aliano, Carmela
Description: Hg intermediate Control
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9355
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-104600

Prepared By: Adelartey, Olufemi
Description: Aquaregia
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 0 neat
Final Volume: 48 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5482	Nitric Acid	12 ml	neat neat	
5481	Hidrochloric acid	36 ml	neat neat	

Veritech Lot Number: V-104601

Prepared By: Adelartey, Olufemi
Description: Hg Soil ICV Soil
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 20 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104520	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104602

Prepared By: Adelartey, Olufemi
Description: Hg soil CCV 10ppb
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104520	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104603

Prepared By: Adelartey, Olufemi
Description: Hg soil standard blk
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 0 ppm
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Lot Number: V-104604

Prepared By: Adelartey, Olufemi
Description: Hg soil standard .2 ppb
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: .2 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104605

Prepared By: Adelartey, Olufemi
Description: Hg soil standard .5 ppb
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: .5 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	.05 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104606

Prepared By: Adelartey, Olufemi
Description: Hg soil standard 1 ppb
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 1 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104607

Prepared By: Adelartey, Olufemi
Description: Hg soil standard 2 ppb
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 2 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104608

Prepared By: Adelartey, Olufemi
Description: Hg soil standard 5 ppb
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9361
Concentration: 5 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104609

Prepared By:	Adelartey, Olufemi	Department: Metals	ApprovedBy: AUTO
Description:	Hg soil standard 10 ppb	BatchNumber: B-9361	ApproveDate: 01/08/11
Prep Date:	12/22/2010	Concentration: 10 ppb	Checked: Yes
Expiration Date:	12/22/2010	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104610

Prepared By:	Adelartey, Olufemi	Department: Metals	ApprovedBy: AUTO
Description:	Hg soil standard 25 ppb	BatchNumber: B-9361	ApproveDate: 01/08/11
Prep Date:	12/22/2010	Concentration: 25 ppb	Checked: Yes
Expiration Date:	12/22/2010	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104519	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5481

Description
Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-97033

Prepared By: Balashanthan, Shiamala
Description: ICS 1 INTERMEDIATE
Prep Date: 9/29/2010
Expiration Date: 12/28/2010
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: gael
ApproveDate: 10/19/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5209	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-99245

Prepared By: Balashanthan, Shiamala
Description: ICS1 Lowest std
Prep Date: 10/21/2010
Expiration Date: 12/28/2010
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5330	hidrochloric acid	50 ml	neat neat	
5209	Nitric Acid	50 ml	neat neat	
V-97033	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-101544

Prepared By: Balashanthan, Shiamala
Description: ICS2- Low Std
Prep Date: 11/12/2010
Expiration Date: 2/11/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5366	nitric acid	25 ml	neat neat	
5394	Hydrochloric Acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-101549

Prepared By: Balashanthan, Shiamala
Description: ICV
Prep Date: 11/12/2010
Expiration Date: 2/11/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 12/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5394	Hydrochloric Acid	25 ml	neat neat	
5255	ICV 1	10 ml	NEAT neat	
5366	nitric acid	25 ml	neat neat	
5256	ICV 2	10 ml	50 mg/l	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101766

Prepared By: Janjua, Mudassar
Description: Hydroxylamine Hydrochloride
Prep Date: 11/15/2010
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: gael
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Lot Number: V-102253

Prepared By: Balashanthan, Shiamala
Description: ICS3 - Middle Std
Prep Date: 11/19/2010
Expiration Date: 2/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5366	nitric acid	50 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-102254

Prepared By: Balashanthan, Shiamala
Description: ICS4 - High std
Prep Date: 11/19/2010
Expiration Date: 2/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5366	nitric acid	25 ml	neat neat	
5394	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-102257

Prepared By: Balashanthan, Shiamala
Description: ICSA
Prep Date: 11/19/2010
Expiration Date: 2/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5394	Hydrochloric Acid	50 ml	neat neat	
5366	nitric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102763

Prepared By:	Balashanthan, Shiamala	Department: Metals	ApprovedBy: melissa
Description:	CCV	BatchNumber:	ApproveDate: 12/30/10
Prep Date:	11/30/2010	Concentration: MULTI multi	Checked: Yes
Expiration Date:	3/1/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5328	nitric acid	50 ml	neat neat	
5394	Hydrochloric Acid	50 ml	neat neat	
5256	ICV 2	10 ml	50 mg/l	
5255	ICV 1	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102780

Prepared By: Balashanthan, Shiamala
Description: ICB/CCB
Prep Date: 11/30/2010
Expiration Date: 3/1/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5394	Hydrochloric Acid	50 ml	neat neat	
5328	nitric acid	50 ml	neat neat	

Veritech Lot Number: V-102798

Prepared By: Balashanthan, Shiamala
Description: ICSAB
Prep Date: 11/30/2010
Expiration Date: 3/1/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5328	nitric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5394	Hydrochloric Acid	50 ml	neat neat	

Veritech Lot Number: V-102819

Prepared By: Janjua, Mudassar
Description: 5% Potassium Permanganate
Prep Date: 11/30/2010
Expiration Date: 5/30/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 20 l
ApprovedBy: gael
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	1000 g	NEAT neat	

Veritech Lot Number: V-104029

Prepared By: Aliano, Carmela
Description: 1:1 HNO3
Prep Date: 12/14/2010
Expiration Date: 6/13/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5328	nitric acid	1000 ml	neat neat	
1014	DI water (fill to volume)	1000		

Veritech Lot Number: V-104520

Prepared By: Aliano, Carmela
Description: Hg intermediate Control
Prep Date: 12/22/2010
Expiration Date: 12/22/2010
Department: Metals
BatchNumber: B-9355
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104638

Prepared By:	Janjua, Mudassar	Department: Metals	ApprovedBy: AUTO
Description:	SnCl2	BatchNumber: B-9365	ApproveDate: 01/08/11
Prep Date:	12/23/2010	Concentration: 1.1% SnCl2 in	Checked: Yes
Expiration Date:	12/23/2010	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-104639	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-104639

Prepared By:	Janjua, Mudassar	Department: Metals	ApprovedBy: AUTO
Description:	3% HCL	BatchNumber: B-9365	ApproveDate: 01/08/11
Prep Date:	12/23/2010	Concentration: reagent reage	Checked: Yes
Expiration Date:	12/23/2010	Final Volume: 10 l	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	300 ml	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description: DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description: POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description: Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description: Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description: Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description: Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description: Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description
Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description
Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5209

Description: Nitric Acid

ApprovedBy: gael
ApproveDate: 10/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110040	08/27/10	05/26/13	Lopez, Jose	12	4L	neat	neat

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5255

Description: ICV 1

ApprovedBy: gael
ApproveDate: 10/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Spex	XHCV-7	25-84JB	09/16/10	09/14/11	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5256

Description: ICV 2

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	25-83JB	09/16/10	09/14/11	Miller,Gael E.	2	500M	50	MG/L

Veritech Control/Receipt Number: 5328

Description: nitric acid

ApprovedBy: gael
ApproveDate: 12/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110040	10/12/10	05/31/13	Lopez, Jose	6	2.5L	neat	neat

Veritech Control/Receipt Number: 5330

Description: hidrochloric acid

ApprovedBy: gael
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110040	10/12/10	05/31/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5364

Description: icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5365

Description
hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5366

Description
nitric acid

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK12	1110060	10/21/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5394

Description
Hydrochloric Acid

ApprovedBy: gael
ApproveDate: 11/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	11/04/10	03/30/13	Okomeng, Maxwel	12	2.5LT	neat	neat

Veritech Control/Receipt Number: 5403

Description
ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5404

Description
ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description
ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5441

Description
LCS-soil

ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ERA	540	D071-540	11/16/10	03/31/14	Miller,Gael E.	4	40g	neat	neat

Veritech Control/Receipt Number: 5477

Description
HYDROGEN PEROXIDE

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	h325-4	102170	11/30/10	09/06/11	Aliano, Carmela	1	4L	Neat	Neat

Veritech Control/Receipt Number: 5481

Description
Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Run Log

I03741

Data File: W:\METALS.FRM\ICPDATA\Pelcp1\S12188A.txt **Instrument:** PEICP1

Analysis Date: 12/27/10

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calib Blank 1 V-102780	1	CAL	13:52	1						
Calib Std 1 V-99245	1	CAL	13:54	2						
Calib Std 2 V-101544	1	CAL	13:57	3						
Calib Std 3 V-102253	1	CAL	14:00	4						
Calib Std 4 V-102254	1	CAL	14:03	5						
ICS3 V-102253	1	ICS	14:07	6						
ICV V-101549 (2)	1	ICV	14:10	7						
ICB V-102780	1	ICB	14:13	8						
ICSA V-102257	1	ICSA	14:16	9						
ICSAB V-102798	1	ICSAB	14:20	10						
MB 12188 (100)	1	MB	14:24	11		SOIL	SOIL	SW846	3190	
LCS	1	LCS	14:27	12		SOIL	SOIL	SW846	3190	
LCS MR	1	LCS	14:30	13		SOIL	SOIL	SW846	3190	
AC56477-002	1	SMP	14:33	14	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56477-002	1	MR	14:36	15	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56477-002	1	MS	14:39	16	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56477-002	1	MS	14:42	17	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56477-002	1	PS	14:45	18	METALS-TAL-S	SOIL	SOIL	SW846	3190	
CCV V-102763	1	CCV	14:48	19						
CCB	1	CCB	14:51	20						
AC56477-002	5	SD	14:54	21	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56492-001	1	SMP	14:57	22	PPMETALS-S	SOIL	SOIL	SW846	3190	
AC56495-001	1	SMP	15:00	23	MET-RCRA-S	SOIL	SOIL	SW846	3190	
AC56495-002	1	SMP	15:04	24	MET-RCRA-S	SOIL	SOIL	SW846	3190	
AC56476-001	1	SMP	15:07	25	PB-SOIL	SOIL	SOIL	SW846	3190	
ICSA V-102257	1	ICSA	15:10	26						
ICSAB V-102798	1	ICSAB	15:14	27						
CCV V-102763	1	CCV	15:18	28						
CCB	1	CCB	15:21	29						
AC56476-002	1	SMP	15:24	30	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56476-003	1	SMP	15:27	31	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56476-004	1	SMP	15:30	32	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56476-005	1	SMP	15:33	33	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-001	1	SMP	15:36	34	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-002	1	SMP	15:39	35	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-003	1	SMP	15:43	36	METALS-TAL-S	SOIL	SOIL	SW846	3190	
CCV V-102763	1	CCV	15:46	37						
CCB	1	CCB	15:49	38						
AC56478-004	1	SMP	15:52	39	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-005	1	SMP	15:55	40	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-006	1	SMP	15:58	41	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-007	1	SMP	16:01	42	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56478-008	1	SMP	16:04	43	METALS-TAL-S	SOIL	SOIL	SW846	3190	
AC56477-001	1	SMP	16:07	44	METALS-TAL-S	SOIL	SOIL	SW846	3190	
ICSA V-102257	1	ICSA	16:10	45						
ICSAB V-102798	1	ICSAB	16:15	46						
CCV V-102763	1	CCV	16:19	47						
CCB	1	CCB	16:22	48						

12/28/10
S Bh

1/4/11

Run Log

Data File: W:\METALS.FRM\ICPDATA\HgCv2\H12188S.txt **Instrument:** HGCV2

Analysis Date: 12/23/10 **Standard/Batch/SnCl2 Lot #:** V-104638

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calibration Blank	1	CAL	12:15	1						
.2 PPB	1	CAL	12:17	2						
.5 PPB	1	CAL	12:18	3						
1 PPB	1	CAL	12:19	4						
2 PPB	1	CAL	12:20	5						
5 PPB	1	CAL	12:22	6						
10 PPB	1	CAL	12:23	7						
25 PPB	1	CAL	12:24	8						
ICV (2)	1	ICV	12:26	9						
ICB	1	ICB	12:27	10						
MB 3190 (167)	1	MB	12:28	11		SOIL	SOIL	SW846	3190	
LCS	1	LCS	12:29	12		SOIL	SOIL	SW846	3190	
LCS MR	1	LCS	12:31	13		SOIL	SOIL	SW846	3190	
AC56477-002	1	SMP	12:32	14	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56477-002	1	MR	12:33	15	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56477-002	1	MS	12:35	16	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56477-002	1	MS	12:36	17	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-001	1	SMP	12:37	18	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-002	1	SMP	12:38	19	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-003	1	SMP	12:40	20	HG-SOIL	SOIL	SOIL	SW846	3190	
CCV	1	CCV	12:41	21						
CCB	1	CCB	12:42	22						
AC56478-004	1	SMP	12:44	23	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-005	1	SMP	12:45	24	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-006	1	SMP	12:46	25	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-007	1	SMP	12:48	26	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56478-008	1	SMP	12:49	27	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56477-001	1	SMP	12:50	28	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56476-001	1	SMP	12:51	29		SOIL	SOIL	SW846	3190	
AC56476-002	1	SMP	12:53	30	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56476-003	1	SMP	12:54	31	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56476-004	1	SMP	12:55	32	HG-SOIL	SOIL	SOIL	SW846	3190	
CCV	1	CCV	12:57	33						
CCB	1	CCB	12:58	34						
AC56476-005	1	SMP	12:59	35	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56492-001	1	SMP	13:01	36	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56495-001	1	SMP	13:02	37	HG-SOIL	SOIL	SOIL	SW846	3190	
AC56495-002	1	SMP	13:03	38	HG-SOIL	SOIL	SOIL	SW846	3190	
CCV	1	CCV	13:04	39						
CCB	1	CCB	13:06	40						

12/29/10

12/29/10

File S12188A Batch 12188 soil

Method: PE1 3000DV AXIAL Page 1 Date: 12/27/2010 1:53:57 PM

Analyst [signature] 12/28/10

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Analysis Begun

Start Time: 12/27/2010 1:51:00 PM Plasma On Time: 12/27/2010 11:28:42 AM
Logged In Analyst: shiamala Technique: ICP Continuous
Spectrometer Model: Optima 3300 DV, S/N 069N5072002 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\IDL.sif
Batch ID: 8336
Results Data Set: S12188A
Results Library: C:\pe\Administrator\Results\Results.mdb

[signature] 1/4/11

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Method Loaded
Method Name: PE1 3000DV AXIAL Method Last Saved: 12/22/2010 2:34:01 PM
IEC File: IEC092410.iec MSF File:
Method Description: 200.7/6010B

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Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank 1 V-102780 Date Collected: 12/27/2010 1:52:00 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Blank 1 V-102780

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	2121.6	6.10	0.29%	[0.00]	mg/L
Sb 206.836	-38.1	2.69	7.06%	[0.00]	mg/L
As 188.979	-14.4	3.52	24.54%	[0.00]	mg/L
Ba 233.527	-109.8	0.20	0.18%	[0.00]	mg/L
Be 234.861	-250.2	7.58	3.03%	[0.00]	mg/L
Cd 226.502	-104.5	4.63	4.43%	[0.00]	mg/L
Ca 315.887	-788.0	72.08	9.15%	[0.00]	mg/L
Cr 206.158	22.8	2.67	11.72%	[0.00]	mg/L
Co 228.616	-195.3	2.62	1.34%	[0.00]	mg/L
Cu 324.752	34.3	24.65	71.97%	[0.00]	mg/L
Fe 273.955	503.6	5.00	0.99%	[0.00]	mg/L
Pb 220.353	66.6	4.77	7.15%	[0.00]	mg/L
Mg 279.077	933.9	15.58	1.67%	[0.00]	mg/L
Mn 257.610	220.6	3.63	1.64%	[0.00]	mg/L
Mo 202.031	-97.2	1.50	1.54%	[0.00]	mg/L
Ni 231.604	-14.6	0.29	2.01%	[0.00]	mg/L
Se 196.026	-33.0	4.85	14.71%	[0.00]	mg/L
Ag 328.068	-54.6	7.41	13.57%	[0.00]	mg/L
Na 330.237	699.2	44.89	6.42%	[0.00]	mg/L
Tl 190.801	-52.3	1.01	1.92%	[0.00]	mg/L
Sn 189.927	-6.1	0.74	12.15%	[0.00]	mg/L
Ti 334.940	240.1	0.08	0.03%	[0.00]	mg/L
V 292.402	-118.7	7.42	6.25%	[0.00]	mg/L
Zn 206.200	37.3	4.73	12.70%	[0.00]	mg/L

12188

all elements reported except Tl, earth metals

Sequence No.: 2
Sample ID: Calib Std 1 V-99245
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 158
Date Collected: 12/27/2010 1:54:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1 V-99245

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
As 188.979	3.0	4.06	134.23%	[0.005]	mg/L
Be 234.861	1044.8	5.08	0.49%	[0.003]	mg/L
Cd 226.502	110.3	3.15	2.86%	[0.003]	mg/L
Pb 220.353	14.6	3.41	23.34%	[0.004]	mg/L
Tl 190.801	4.8	2.22	45.97%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2 V-101544
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 12/27/2010 1:57:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 2 V-101544

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Al 308.215	739.8	5.02	0.68%	[0.1]	mg/L
Sb 206.836	12.9	2.07	16.06%	[0.01]	mg/L
As 188.979	6.8	4.14	61.25%	[0.01]	mg/L
Ba 233.527	258.5	2.44	0.94%	[0.01]	mg/L
Be 234.861	3511.9	5.67	0.16%	[0.01]	mg/L
Cd 226.502	346.2	11.10	3.21%	[0.01]	mg/L
Ca 315.887	23494.6	20.42	0.09%	[1]	mg/L
Cr 206.158	76.4	2.48	3.25%	[0.01]	mg/L
Co 228.616	139.5	3.63	2.60%	[0.01]	mg/L
Cu 324.752	982.5	17.52	1.78%	[0.01]	mg/L
Fe 273.955	944.6	13.68	1.45%	[0.1]	mg/L
Pb 220.353	28.9	3.28	11.35%	[0.01]	mg/L
Mg 279.077	6525.5	3.49	0.05%	[1]	mg/L
Mn 257.610	2191.1	60.64	2.77%	[0.01]	mg/L
Mo 202.031	78.3	2.34	3.00%	[0.01]	mg/L
Ni 231.604	150.3	0.20	0.13%	[0.01]	mg/L
Se 196.026	21.7	9.23	42.48%	[0.01]	mg/L
Ag 328.068	105.7	42.75	40.45%	[0.002]	mg/L
Na 330.237	245.7	83.89	34.14%	[1]	mg/L
Tl 190.801	5.7	2.45	42.90%	[0.01]	mg/L
Sn 189.927	20.6	1.89	9.20%	[0.01]	mg/L
Ti 334.940	1535.7	7.02	0.46%	[0.01]	mg/L
V 292.402	430.7	4.31	1.00%	[0.01]	mg/L
Zn 206.200	165.1	3.21	1.94%	[0.01]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3 V-102253
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/27/2010 2:00:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3 V-102253

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	35878.0	282.88	0.79%	[5]	mg/L
Sb 206.836	546.9	5.45	1.00%	[0.5]	mg/L
As 188.979	491.2	3.23	0.66%	[0.5]	mg/L
Ba 233.527	12285.2	38.10	0.31%	[0.5]	mg/L
Be 234.861	172006.0	637.35	0.37%	[0.5]	mg/L
Cd 226.502	17122.5	12.88	0.08%	[0.5]	mg/L
Ca 315.887	1134031.4	2834.73	0.25%	[50]	mg/L
Cr 206.158	3507.7	17.33	0.49%	[0.5]	mg/L
Co 228.616	6227.4	0.83	0.01%	[0.5]	mg/L
Cu 324.752	46904.4	629.59	1.34%	[0.5]	mg/L
Fe 273.955	46212.7	592.01	1.28%	[5]	mg/L
Pb 220.353	1588.4	7.34	0.46%	[0.5]	mg/L
Mg 279.077	332528.2	2147.40	0.65%	[50]	mg/L
Mn 257.610	95698.9	268.28	0.28%	[0.5]	mg/L
Mo 202.031	3887.4	16.98	0.44%	[0.5]	mg/L
Ni 231.604	8093.7	83.36	1.03%	[0.5]	mg/L
Se 196.026	847.3	2.64	0.31%	[0.5]	mg/L
Ag 328.068	6264.1	31.99	0.51%	[0.1]	mg/L
Na 330.237	16786.8	232.46	1.38%	[50]	mg/L
Tl 190.801	345.8	2.26	0.65%	[0.5]	mg/L
Sn 189.927	966.2	1.79	0.19%	[0.5]	mg/L
Ti 334.940	78030.7	907.36	1.16%	[0.5]	mg/L
V 292.402	21276.4	333.04	1.57%	[0.5]	mg/L
Zn 206.200	7574.2	14.85	0.20%	[0.5]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4 V-102254
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/27/2010 2:03:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4 V-102254

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	71627.8	145.24	0.20%	[10]	mg/L
Sb 206.836	1063.3	2.93	0.28%	[1.0]	mg/L
As 188.979	959.9	3.10	0.32%	[1.0]	mg/L
Ba 233.527	23075.4	82.50	0.36%	[1.0]	mg/L
Be 234.861	341927.7	118.89	0.03%	[1.0]	mg/L
Cd 226.502	33119.4	20.70	0.06%	[1.0]	mg/L
Ca 315.887	2187374.4	6712.14	0.31%	[100]	mg/L
Cr 206.158	6736.0	10.83	0.16%	[1.0]	mg/L
Co 228.616	11885.0	31.40	0.26%	[1.0]	mg/L
Cu 324.752	92920.6	333.86	0.36%	[1.0]	mg/L
Fe 273.955	87124.4	132.48	0.15%	[10]	mg/L
Pb 220.353	3131.0	2.98	0.10%	[1.0]	mg/L
Mg 279.077	656066.7	567.52	0.09%	[100]	mg/L
Mn 257.610	183215.1	57.61	0.03%	[1.0]	mg/L
Mo 202.031	7583.8	20.18	0.27%	[1.0]	mg/L
Ni 231.604	15415.2	100.29	0.65%	[1.0]	mg/L
Se 196.026	1654.6	5.68	0.34%	[1.0]	mg/L
Ag 328.068	12086.5	45.63	0.38%	[0.2]	mg/L
Na 330.237	35934.9	15.11	0.04%	[100]	mg/L
Tl 190.801	643.7	5.93	0.92%	[1.0]	mg/L
Sn 189.927	1872.7	9.13	0.49%	[1.0]	mg/L
Ti 334.940	154400.4	338.07	0.22%	[1.0]	mg/L
V 292.402	41486.5	310.21	0.75%	[1.0]	mg/L
Zn 206.200	14625.7	32.59	0.22%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	3	Lin, Calc Int	22.3	7163	0.00000	1.000000	
Sb 206.836	3	Lin, Calc Int	3.8	1065	0.00000	0.999897	
As 188.979	4	Lin, Calc Int	-0.0	964.4	0.00000	0.999924	
Ba 233.527	3	Lin Thru 0	0.0	23370	0.00000	0.999672	
Be 234.861	4	Lin Thru 0	0.0	342300	0.00000	0.999997	
Cd 226.502	4	Lin Thru 0	0.0	33340	0.00000	0.999909	
Ca 315.887	3	Lin, Calc Int	8078.6	21940	0.00000	0.999822	
Cr 206.158	3	Lin, Calc Int	29.5	6756	0.00000	0.999778	
Co 228.616	3	Lin, Calc Int	61.2	11930	0.00000	0.999705	
Cu 324.752	3	Lin, Calc Int	105.0	92970	0.00000	0.999988	
Fe 273.955	3	Lin, Calc Int	515.7	8756	0.00000	0.999517	
Pb 220.353	4	Lin, Calc Int	2.8	3137	0.00000	0.999974	
Mg 279.077	3	Lin Thru 0	0.0	6579	0.00000	0.999985	
Mn 257.610	3	Lin Thru 0	0.0	184900	0.00000	0.999842	
Mo 202.031	3	Lin, Calc Int	18.5	7600	0.00000	0.999917	
Ni 231.604	3	Lin Thru 0	0.0	15570	0.00000	0.999803	
Se 196.026	3	Lin, Calc Int	6.0	1655	0.00000	0.999928	
Ag 328.068	3	Lin Thru 0	0.0	60870	0.00000	0.999894	
Na 330.237	3	Lin, Calc Int	-266.5	357.8	0.00000	0.999442	
Tl 190.801	4	Lin, Calc Int	3.3	649.3	0.00000	0.999361	
Sn 189.927	3	Lin, Calc Int	6.3	1877	0.00000	0.999868	
Ti 334.940	3	Lin Thru 0	0.0	154700	0.00000	0.999991	
V 292.402	3	Lin, Calc Int	104.3	41570	0.00000	0.999913	
Zn 206.200	3	Lin, Calc Int	56.1	14660	0.00000	0.999836	

Sequence No.: 6
Sample ID: ICS3 V-102253
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/27/2010 2:07:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-102253

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	35725.6	4.97534	mg/L	0.001829	4.97534	mg/L	0.001829	0.04%
QC value within limits for Al 308.215 Recovery = 99.51%								
Sb 206.836	551.4	0.522750	mg/L	0.0012967	0.522750	mg/L	0.0012967	0.25%
QC value within limits for Sb 206.836 Recovery = 104.55%								
As 188.979	493.9	0.512196	mg/L	0.0036534	0.512196	mg/L	0.0036534	0.71%
QC value within limits for As 188.979 Recovery = 102.44%								
Ba 233.527	12158.1	0.520265	mg/L	0.0007435	0.520265	mg/L	0.0007435	0.14%
QC value within limits for Ba 233.527 Recovery = 104.05%								
Be 234.861	171734.5	0.503099	mg/L	0.0002082	0.503099	mg/L	0.0002082	0.04%
QC value within limits for Be 234.861 Recovery = 100.62%								
Cd 226.502	17062.0	0.511253	mg/L	0.0028598	0.511253	mg/L	0.0028598	0.56%
QC value within limits for Cd 226.502 Recovery = 102.25%								
Ca 315.887	1137783.5	51.4962	mg/L	0.51001	51.4962	mg/L	0.51001	0.99%
QC value within limits for Ca 315.887 Recovery = 102.99%								
Cr 206.158	3510.5	0.519419	mg/L	0.0012065	0.519419	mg/L	0.0012065	0.23%
QC value within limits for Cr 206.158 Recovery = 103.88%								
Co 228.616	6230.1	0.516608	mg/L	0.0013554	0.516608	mg/L	0.0013554	0.26%
QC value within limits for Co 228.616 Recovery = 103.32%								
Cu 324.752	47543.8	0.508845	mg/L	0.0030508	0.508845	mg/L	0.0030508	0.60%
QC value within limits for Cu 324.752 Recovery = 101.77%								
Fe 273.955	45723.7	5.16296	mg/L	0.008620	5.16296	mg/L	0.008620	0.17%
QC value within limits for Fe 273.955 Recovery = 103.26%								
Pb 220.353	1595.2	0.509947	mg/L	0.0017774	0.509947	mg/L	0.0017774	0.35%
QC value within limits for Pb 220.353 Recovery = 101.99%								
Mg 279.077	335118.9	50.9404	mg/L	0.41079	50.9404	mg/L	0.41079	0.81%
QC value within limits for Mg 279.077 Recovery = 101.88%								
Mn 257.610	95480.2	0.515842	mg/L	0.0012765	0.515842	mg/L	0.0012765	0.25%
QC value within limits for Mn 257.610 Recovery = 103.17%								
Mo 202.031	3892.1	0.510052	mg/L	0.0018022	0.510052	mg/L	0.0018022	0.35%
QC value within limits for Mo 202.031 Recovery = 102.01%								
Ni 231.604	8085.9	0.519413	mg/L	0.0029633	0.519413	mg/L	0.0029633	0.57%
QC value within limits for Ni 231.604 Recovery = 103.88%								
Se 196.026	850.6	0.502967	mg/L	0.0033373	0.502967	mg/L	0.0033373	0.66%
QC value within limits for Se 196.026 Recovery = 100.59%								
Ag 328.068	6231.5	0.103506	mg/L	0.0015076	0.103506	mg/L	0.0015076	1.46%
QC value within limits for Ag 328.068 Recovery = 103.51%								
Na 330.237	16765.7	47.5978	mg/L	0.09377	47.5978	mg/L	0.09377	0.20%
QC value within limits for Na 330.237 Recovery = 95.20%								
Tl 190.801	344.0	0.539001	mg/L	0.0050714	0.539001	mg/L	0.0050714	0.94%
QC value within limits for Tl 190.801 Recovery = 107.80%								
Sn 189.927	975.3	0.519337	mg/L	0.0037287	0.519337	mg/L	0.0037287	0.72%
QC value within limits for Sn 189.927 Recovery = 103.87%								
Ti 334.940	77855.1	0.503159	mg/L	0.0039853	0.503159	mg/L	0.0039853	0.79%
QC value within limits for Ti 334.940 Recovery = 100.63%								
V 292.402	21274.0	0.495107	mg/L	0.0057903	0.495107	mg/L	0.0057903	1.17%
QC value within limits for V 292.402 Recovery = 99.02%								
Zn 206.200	7683.6	0.518560	mg/L	0.0002377	0.518560	mg/L	0.0002377	0.05%
QC value within limits for Zn 206.200 Recovery = 103.71%								

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: ICV V-101549 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 159
Date Collected: 12/27/2010 2:10:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-101549 (2)

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	74256.1	10.3457	mg/L	0.05002	10.3457	mg/L	0.05002	0.48%
QC value within limits for Al 308.215 Recovery = 103.46%								
Sb 206.836	1065.3	1.01370	mg/L	0.002194	1.01370	mg/L	0.002194	0.22%
QC value within limits for Sb 206.836 Recovery = 101.37%								
As 188.979	971.5	1.00734	mg/L	0.002307	1.00734	mg/L	0.002307	0.23%
QC value within limits for As 188.979 Recovery = 100.73%								
Ba 233.527	24136.0	1.03282	mg/L	0.001548	1.03282	mg/L	0.001548	0.15%
QC value within limits for Ba 233.527 Recovery = 103.28%								
Be 234.861	347057.6	1.01659	mg/L	0.003798	1.01659	mg/L	0.003798	0.37%
QC value within limits for Be 234.861 Recovery = 101.66%								
Cd 226.502	33856.4	1.01451	mg/L	0.001386	1.01451	mg/L	0.001386	0.14%
QC value within limits for Cd 226.502 Recovery = 101.45%								
Ca 315.887	2209172.5	100.334	mg/L	0.2426	100.334	mg/L	0.2426	0.24%
QC value within limits for Ca 315.887 Recovery = 100.33%								
Cr 206.158	6859.8	1.01906	mg/L	0.004036	1.01906	mg/L	0.004036	0.40%
QC value within limits for Cr 206.158 Recovery = 101.91%								
Co 228.616	12128.0	1.01048	mg/L	0.002146	1.01048	mg/L	0.002146	0.21%
QC value within limits for Co 228.616 Recovery = 101.05%								
Cu 324.752	95887.2	1.02750	mg/L	0.007604	1.02750	mg/L	0.007604	0.74%
QC value within limits for Cu 324.752 Recovery = 102.75%								
Fe 273.955	87982.5	9.98910	mg/L	0.019098	9.98910	mg/L	0.019098	0.19%
QC value within limits for Fe 273.955 Recovery = 99.89%								
Pb 220.353	3152.9	1.00883	mg/L	0.005795	1.00883	mg/L	0.005795	0.57%
QC value within limits for Pb 220.353 Recovery = 100.88%								
Mg 279.077	665077.9	101.097	mg/L	0.1781	101.097	mg/L	0.1781	0.18%
QC value within limits for Mg 279.077 Recovery = 101.10%								
Mn 257.610	187124.1	1.01093	mg/L	0.000139	1.01093	mg/L	0.000139	0.01%
QC value within limits for Mn 257.610 Recovery = 101.09%								
Mo 202.031	7626.6	1.00180	mg/L	0.003287	1.00180	mg/L	0.003287	0.33%
QC value within limits for Mo 202.031 Recovery = 100.18%								
Ni 231.604	15570.5	1.00021	mg/L	0.002260	1.00021	mg/L	0.002260	0.23%
QC value within limits for Ni 231.604 Recovery = 100.02%								
Se 196.026	1676.8	0.995224	mg/L	0.0054256	0.995224	mg/L	0.0054256	0.55%
QC value within limits for Se 196.026 Recovery = 99.52%								
Ag 328.068	12232.8	0.203169	mg/L	0.0016713	0.203169	mg/L	0.0016713	0.82%
QC value within limits for Ag 328.068 Recovery = 101.58%								
Na 330.237	37054.1	104.295	mg/L	0.6430	104.295	mg/L	0.6430	0.62%
QC value within limits for Na 330.237 Recovery = 104.30%								
Tl 190.801	677.2	1.06647	mg/L	0.003055	1.06647	mg/L	0.003055	0.29%
QC value within limits for Tl 190.801 Recovery = 106.65%								
Sn 189.927	1919.7	1.02547	mg/L	0.007648	1.02547	mg/L	0.007648	0.75%
QC value within limits for Sn 189.927 Recovery = 102.55%								
Ti 334.940	156225.2	1.00965	mg/L	0.004868	1.00965	mg/L	0.004868	0.48%
QC value within limits for Ti 334.940 Recovery = 100.96%								
V 292.402	42100.8	0.982105	mg/L	0.0049545	0.982105	mg/L	0.0049545	0.50%
QC value within limits for V 292.402 Recovery = 98.21%								
Zn 206.200	14782.2	1.00107	mg/L	0.003330	1.00107	mg/L	0.003330	0.33%
QC value within limits for Zn 206.200 Recovery = 100.11%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-102780
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/27/2010 2:13:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-102780

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	126.1	0.0145284	mg/L	0.01146324	0.0145284	mg/L	0.01146324	78.90%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-0.6	-0.0041348	mg/L	0.00339381	-0.0041348	mg/L	0.00339381	82.08%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	0.2	0.0002736	mg/L	0.00145757	0.0002736	mg/L	0.00145757	532.64%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	5.5	0.0002382	mg/L	0.00006497	0.0002382	mg/L	0.00006497	27.27%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	42.7	0.0001070	mg/L	0.00002144	0.0001070	mg/L	0.00002144	20.03%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	2.2	0.0000725	mg/L	0.00006795	0.0000725	mg/L	0.00006795	93.67%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	155.8	-0.361151	mg/L	0.0020653	-0.361151	mg/L	0.0020653	0.57%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	-1.7	-0.0045827	mg/L	0.00010087	-0.0045827	mg/L	0.00010087	2.20%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	10.2	-0.0042749	mg/L	0.00001715	-0.0042749	mg/L	0.00001715	0.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	609.6	0.0054375	mg/L	0.00009562	0.0054375	mg/L	0.00009562	1.76%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	-45.5	-0.0640980	mg/L	0.00300421	-0.0640980	mg/L	0.00300421	4.69%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-0.6	-0.0010799	mg/L	0.00079198	-0.0010799	mg/L	0.00079198	73.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	73.7	0.0111978	mg/L	0.01704562	0.0111978	mg/L	0.01704562	152.22%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	-13.2	-0.0000748	mg/L	0.00001398	-0.0000748	mg/L	0.00001398	18.68%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	3.9	-0.0019220	mg/L	0.00060556	-0.0019220	mg/L	0.00060556	31.51%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	-1.0	-0.0000638	mg/L	0.00041156	-0.0000638	mg/L	0.00041156	645.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	2.6	-0.0020029	mg/L	0.00244397	-0.0020029	mg/L	0.00244397	122.02%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	18.0	0.0002872	mg/L	0.00011489	0.0002872	mg/L	0.00011489	40.00%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-25.2	0.674169	mg/L	0.0199507	0.674169	mg/L	0.0199507	2.96%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	1.0	-0.0034213	mg/L	0.00427248	-0.0034213	mg/L	0.00427248	124.88%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	5.4	-0.0004826	mg/L	0.00219484	-0.0004826	mg/L	0.00219484	454.82%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	28.0	0.0001807	mg/L	0.00008216	0.0001807	mg/L	0.00008216	45.47%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	-10.0	-0.0027658	mg/L	0.00034368	-0.0027658	mg/L	0.00034368	12.43%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	127.7	0.0048799	mg/L	0.00087406	0.0048799	mg/L	0.00087406	17.91%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-102257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/27/2010 2:16:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-102257

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3118331.6	435.356	mg/L	0.9500	435.356	mg/L	0.9500	0.22%
QC value within limits for Al 308.215 Recovery = 87.07%								
Sb 206.836	-134.5	0.0036059	mg/L	0.00027014	0.0036059	mg/L	0.00027014	7.49%
As 188.979	-13.3	0.0069297	mg/L	0.00143736	0.0069297	mg/L	0.00143736	20.74%
Ba 233.527	275.6	0.0046317	mg/L	0.00024924	0.0046317	mg/L	0.00024924	5.38%
Be 234.861	-16876.4	-0.0039819	mg/L	0.00193902	-0.0039819	mg/L	0.00193902	48.70%
Cd 226.502	486.8	0.0005716	mg/L	0.00020186	0.0005716	mg/L	0.00020186	35.32%
Ca 315.887	9619925.6	438.144	mg/L	0.6157	438.144	mg/L	0.6157	0.14%
QC value within limits for Ca 315.887 Recovery = 87.63%								
Cr 206.158	23.1	-0.0072140	mg/L	0.00056693	-0.0072140	mg/L	0.00056693	7.86%
Co 228.616	-46.4	-0.0091017	mg/L	0.00067475	-0.0091017	mg/L	0.00067475	7.41%
Cu 324.752	1056.9	-0.0004971	mg/L	0.00026998	-0.0004971	mg/L	0.00026998	54.31%
Fe 273.955	1463728.3	167.106	mg/L	0.8286	167.106	mg/L	0.8286	0.50%
QC value within limits for Fe 273.955 Recovery = 83.55%								
Pb 220.353	-158.5	0.0057801	mg/L	0.00082485	0.0057801	mg/L	0.00082485	14.27%
Mg 279.077	3025854.2	459.951	mg/L	0.6311	459.951	mg/L	0.6311	0.14%
QC value within limits for Mg 279.077 Recovery = 91.99%								
Mn 257.610	-2734.3	-0.0148967	mg/L	0.00000974	-0.0148967	mg/L	0.00000974	0.07%
Saturated outside survey window (code 6)								
Mo 202.031	-124.4	0.0012029	mg/L	0.00058241	0.0012029	mg/L	0.00058241	48.42%
Ni 231.604	153.7	0.0045681	mg/L	0.00024308	0.0045681	mg/L	0.00024308	5.32%
Se 196.026	118.4	-0.0048029	mg/L	0.00864688	-0.0048029	mg/L	0.00864688	180.03%
Ag 328.068	-832.4	-0.0001138	mg/L	0.00001020	-0.0001138	mg/L	0.00001020	8.96%
Na 330.237	-48.7	0.608545	mg/L	0.1031874	0.608545	mg/L	0.1031874	16.96%
Tl 190.801	-17.5	-0.0059443	mg/L	0.00239164	-0.0059443	mg/L	0.00239164	40.23%
Sn 189.927	-32.7	0.0021794	mg/L	0.00041948	0.0021794	mg/L	0.00041948	19.25%
Ti 334.940	-292.5	-0.0018905	mg/L	0.00000586	-0.0018905	mg/L	0.00000586	0.31%
V 292.402	7466.0	0.0154885	mg/L	0.00009503	0.0154885	mg/L	0.00009503	0.61%
Zn 206.200	110.0	-0.0111496	mg/L	0.00113833	-0.0111496	mg/L	0.00113833	10.21%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-102798
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 12/27/2010 2:20:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-102798

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3317854.9	463.212	mg/L	5.7539	463.212	mg/L	5.7539	1.24%
QC value within limits for Al 308.215 Recovery = 92.64%								
Sb 206.836	893.3	0.976756	mg/L	0.0047620	0.976756	mg/L	0.0047620	0.49%
QC value within limits for Sb 206.836 Recovery = 97.68%								
As 188.979	914.9	0.969846	mg/L	0.0053898	0.969846	mg/L	0.0053898	0.56%
QC value within limits for As 188.979 Recovery = 96.98%								
Ba 233.527	11322.1	0.477004	mg/L	0.0000856	0.477004	mg/L	0.0000856	0.02%
QC value within limits for Ba 233.527 Recovery = 95.40%								
Be 234.861	152108.4	0.490984	mg/L	0.0026604	0.490984	mg/L	0.0026604	0.54%
QC value within limits for Be 234.861 Recovery = 98.20%								
Cd 226.502	31029.1	0.916110	mg/L	0.0030832	0.916110	mg/L	0.0030832	0.34%
QC value within limits for Cd 226.502 Recovery = 91.61%								
Ca 315.887	9815063.6	447.039	mg/L	1.2776	447.039	mg/L	1.2776	0.29%
QC value within limits for Ca 315.887 Recovery = 89.41%								
Cr 206.158	3176.7	0.466464	mg/L	0.0007526	0.466464	mg/L	0.0007526	0.16%
QC value within limits for Cr 206.158 Recovery = 93.29%								
Co 228.616	5402.7	0.447836	mg/L	0.0006633	0.447836	mg/L	0.0006633	0.15%
QC value within limits for Co 228.616 Recovery = 89.57%								
Cu 324.752	48081.2	0.505076	mg/L	0.0044211	0.505076	mg/L	0.0044211	0.88%
QC value within limits for Cu 324.752 Recovery = 101.02%								
Fe 273.955	1507520.9	172.107	mg/L	0.2356	172.107	mg/L	0.2356	0.14%
QC value within limits for Fe 273.955 Recovery = 86.05%								
Pb 220.353	2776.1	0.944833	mg/L	0.0069469	0.944833	mg/L	0.0069469	0.74%
QC value within limits for Pb 220.353 Recovery = 94.48%								
Mg 279.077	3169781.2	481.829	mg/L	2.0013	481.829	mg/L	2.0013	0.42%
QC value within limits for Mg 279.077 Recovery = 96.37%								
Mn 257.610	82914.0	0.448285	mg/L	0.0002611	0.448285	mg/L	0.0002611	0.06%
QC value within limits for Mn 257.610 Recovery = 89.66%								
Mo 202.031	-128.5	0.0017581	mg/L	0.00084551	0.0017581	mg/L	0.00084551	48.09%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	14458.4	0.923171	mg/L	0.0025799	0.923171	mg/L	0.0025799	0.28%
QC value within limits for Ni 231.604 Recovery = 92.32%								
Se 196.026	1615.4	0.897684	mg/L	0.0070306	0.897684	mg/L	0.0070306	0.78%
QC value within limits for Se 196.026 Recovery = 89.77%								
Ag 328.068	64422.6	1.07219	mg/L	0.006612	1.07219	mg/L	0.006612	0.62%
QC value within limits for Ag 328.068 Recovery = 107.22%								
Na 330.237	-1022.2	-2.11180	mg/L	0.042877	-2.11180	mg/L	0.042877	2.03%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	574.6	0.908175	mg/L	0.0013462	0.908175	mg/L	0.0013462	0.15%
QC value within limits for Tl 190.801 Recovery = 90.82%								
Sn 189.927	-43.2	-0.0028345	mg/L	0.00499871	-0.0028345	mg/L	0.00499871	176.35%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-295.2	-0.0019078	mg/L	0.00001938	-0.0019078	mg/L	0.00001938	1.02%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	25940.5	0.452183	mg/L	0.0035518	0.452183	mg/L	0.0035518	0.79%
QC value within limits for V 292.402 Recovery = 90.44%								
Zn 206.200	13712.2	0.915824	mg/L	0.0021428	0.915824	mg/L	0.0021428	0.23%
QC value within limits for Zn 206.200 Recovery = 91.58%								

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: MB 12188 (100)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 12/27/2010 2:24:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 12188 (100)

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	20.0	-0.0002809	mg/L	0.00296475	-0.0002809	mg/L	0.00296475	>999.9%
Sb 206.836	1.4	-0.0022660	mg/L	0.00341802	-0.0022660	mg/L	0.00341802	150.84%
As 188.979	-4.8	-0.0049591	mg/L	0.00031760	-0.0049591	mg/L	0.00031760	6.40%
Ba 233.527	64.4	0.0027522	mg/L	0.00003411	0.0027522	mg/L	0.00003411	1.24%
Be 234.861	-0.3	-0.0000070	mg/L	0.00000788	-0.0000070	mg/L	0.00000788	112.78%
Cd 226.502	-2.2	-0.0000645	mg/L	0.00016685	-0.0000645	mg/L	0.00016685	258.66%
Ca 315.887	10557.7	0.113007	mg/L	0.0077999	0.113007	mg/L	0.0077999	6.90%
Cr 206.158	3.8	-0.0037517	mg/L	0.00038271	-0.0037517	mg/L	0.00038271	10.20%
Co 228.616	4.8	-0.0047320	mg/L	0.00037381	-0.0047320	mg/L	0.00037381	7.90%
Cu 324.752	780.1	0.0072606	mg/L	0.00031643	0.0072606	mg/L	0.00031643	4.36%
Fe 273.955	329.5	-0.0212672	mg/L	0.00334708	-0.0212672	mg/L	0.00334708	15.74%
Pb 220.353	3.3	0.0001802	mg/L	0.00089447	0.0001802	mg/L	0.00089447	496.28%
Mg 279.077	422.7	0.0642521	mg/L	0.00307077	0.0642521	mg/L	0.00307077	4.78%
Mn 257.610	98.3	0.0005295	mg/L	0.00001393	0.0005295	mg/L	0.00001393	2.63%
Mo 202.031	-3.1	-0.0028423	mg/L	0.00010119	-0.0028423	mg/L	0.00010119	3.56%
Ni 231.604	7.3	0.0004675	mg/L	0.00097358	0.0004675	mg/L	0.00097358	208.25%
Se 196.026	-1.8	-0.0047011	mg/L	0.00237084	-0.0047011	mg/L	0.00237084	50.43%
Ag 328.068	-7.6	-0.0001227	mg/L	0.00012069	-0.0001227	mg/L	0.00012069	98.37%
Na 330.237	151.0	1.16680	mg/L	0.062576	1.16680	mg/L	0.062576	5.36%
Tl 190.801	-2.9	-0.0095265	mg/L	0.00388126	-0.0095265	mg/L	0.00388126	40.74%
Sn 189.927	31.3	0.0133433	mg/L	0.00049167	0.0133433	mg/L	0.00049167	3.68%
Ti 334.940	39.4	0.0002548	mg/L	0.00002887	0.0002548	mg/L	0.00002887	11.33%
V 292.402	-8.4	-0.0027523	mg/L	0.00038089	-0.0027523	mg/L	0.00038089	13.84%
Zn 206.200	171.2	0.0078451	mg/L	0.00131875	0.0078451	mg/L	0.00131875	16.81%

Sequence No.: 12
Sample ID: LCS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 12/27/2010 2:27:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	560957.1	78.3053	mg/L	0.87516	78.3053	mg/L	0.87516	1.12%
Sb 206.836	1494.2	1.43763	mg/L	0.000907	1.43763	mg/L	0.000907	0.06%
As 188.979	945.7	0.987017	mg/L	0.0034804	0.987017	mg/L	0.0034804	0.35%
Ba 233.527	42850.3	1.82777	mg/L	0.008364	1.82777	mg/L	0.008364	0.46%
Be 234.861	208870.0	0.646508	mg/L	0.0026835	0.646508	mg/L	0.0026835	0.42%
Cd 226.502	21680.8	0.638954	mg/L	0.0018051	0.638954	mg/L	0.0018051	0.28%
Ca 315.887	1439417.5	65.2458	mg/L	0.37743	65.2458	mg/L	0.37743	0.58%
Cr 206.158	5164.8	0.771177	mg/L	0.0022466	0.771177	mg/L	0.0022466	0.29%
Co 228.616	13678.4	1.13833	mg/L	0.001315	1.13833	mg/L	0.001315	0.12%
Cu 324.752	82703.4	0.887217	mg/L	0.0092588	0.887217	mg/L	0.0092588	1.04%
Fe 273.955	1173919.5	134.008	mg/L	0.8343	134.008	mg/L	0.8343	0.62%
Pb 220.353	3002.5	0.963664	mg/L	0.0025936	0.963664	mg/L	0.0025936	0.27%
Mg 279.077	174439.5	26.5160	mg/L	0.09673	26.5160	mg/L	0.09673	0.36%
Mn 257.610	555257.2	3.00967	mg/L	0.020201	3.00967	mg/L	0.020201	0.67%
Mo 202.031	3508.1	0.466377	mg/L	0.0001332	0.466377	mg/L	0.0001332	0.03%
Ni 231.604	9871.8	0.630013	mg/L	0.0006308	0.630013	mg/L	0.0006308	0.10%
Se 196.026	1529.4	0.903915	mg/L	0.0027075	0.903915	mg/L	0.0027075	0.30%
Ag 328.068	22587.3	0.376510	mg/L	0.0010686	0.376510	mg/L	0.0010686	0.28%
Na 330.237	-1181.8	-2.55794	mg/L	0.046637	-2.55794	mg/L	0.046637	1.82%
Tl 190.801	870.5	1.40304	mg/L	0.004753	1.40304	mg/L	0.004753	0.34%
Sn 189.927	2418.1	1.28871	mg/L	0.002817	1.28871	mg/L	0.002817	0.22%
Ti 334.940	311107.6	2.01062	mg/L	0.021368	2.01062	mg/L	0.021368	1.06%
V 292.402	24663.9	0.584846	mg/L	0.0111426	0.584846	mg/L	0.0111426	1.91%
Zn 206.200	22528.5	1.53178	mg/L	0.003755	1.53178	mg/L	0.003755	0.25%

Sequence No.: 13
Sample ID: LCS MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 12/27/2010 2:30:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS MR

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	539662.1	75.3325	mg/L	0.24743	75.3325	mg/L	0.24743	0.33%
Sb 206.836	1430.5	1.37651	mg/L	0.002955	1.37651	mg/L	0.002955	0.21%
As 188.979	897.7	0.936983	mg/L	0.0033484	0.936983	mg/L	0.0033484	0.36%
Ba 233.527	40960.0	1.74706	mg/L	0.003527	1.74706	mg/L	0.003527	0.20%
Be 234.861	200150.8	0.619980	mg/L	0.0047146	0.619980	mg/L	0.0047146	0.76%
Cd 226.502	21051.8	0.620419	mg/L	0.0022629	0.620419	mg/L	0.0022629	0.36%
Ca 315.887	1354042.9	61.3541	mg/L	0.26521	61.3541	mg/L	0.26521	0.43%
Cr 206.158	4952.2	0.739240	mg/L	0.0035370	0.739240	mg/L	0.0035370	0.48%
Co 228.616	13200.4	1.09833	mg/L	0.006453	1.09833	mg/L	0.006453	0.59%
Cu 324.752	79628.5	0.854232	mg/L	0.0076760	0.854232	mg/L	0.0076760	0.90%
Fe 273.955	1139780.1	130.109	mg/L	0.0790	130.109	mg/L	0.0790	0.06%
Pb 220.353	2871.5	0.921583	mg/L	0.0024975	0.921583	mg/L	0.0024975	0.27%
Mg 279.077	165656.7	25.1810	mg/L	0.11194	25.1810	mg/L	0.11194	0.44%
Mn 257.610	544977.3	2.95389	mg/L	0.007230	2.95389	mg/L	0.007230	0.24%
Mo 202.031	3405.1	0.452594	mg/L	0.0004367	0.452594	mg/L	0.0004367	0.10%
Ni 231.604	9605.7	0.613037	mg/L	0.0017856	0.613037	mg/L	0.0017856	0.29%
Se 196.026	1428.8	0.843847	mg/L	0.0057301	0.843847	mg/L	0.0057301	0.68%
Ag 328.068	21303.4	0.355224	mg/L	0.0021741	0.355224	mg/L	0.0021741	0.61%
Na 330.237	-1113.2	-2.36617	mg/L	0.025632	-2.36617	mg/L	0.025632	1.08%
Tl 190.801	831.0	1.34046	mg/L	0.011277	1.34046	mg/L	0.011277	0.84%
Sn 189.927	2303.9	1.22765	mg/L	0.006214	1.22765	mg/L	0.006214	0.51%
Ti 334.940	303971.4	1.96450	mg/L	0.021429	1.96450	mg/L	0.021429	1.09%
V 292.402	24024.3	0.569828	mg/L	0.0051187	0.569828	mg/L	0.0051187	0.90%
Zn 206.200	21570.7	1.46650	mg/L	0.001667	1.46650	mg/L	0.001667	0.11%

Sequence No.: 14
Sample ID: 56477-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 12/27/2010 2:33:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-002

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	686028.0	95.7752	mg/L	0.61643	95.7752	mg/L	0.61643	0.64%
Sb 206.836	-21.9	0.0120307	mg/L	0.00056543	0.0120307	mg/L	0.00056543	4.70%
As 188.979	20.2	0.0245219	mg/L	0.00062138	0.0245219	mg/L	0.00062138	2.53%
Ba 233.527	4949.7	0.205413	mg/L	0.0000211	0.205413	mg/L	0.0000211	0.01%
Be 234.861	-12182.4	0.0045982	mg/L	0.00127530	0.0045982	mg/L	0.00127530	27.73%
Cd 226.502	374.9	-0.0011955	mg/L	0.00031741	-0.0011955	mg/L	0.00031741	26.55%
Ca 315.887	271742.3	12.0188	mg/L	0.08582	12.0188	mg/L	0.08582	0.71%
Cr 206.158	1160.8	0.170381	mg/L	0.0007703	0.170381	mg/L	0.0007703	0.45%
Co 228.616	694.3	0.0477198	mg/L	0.00056804	0.0477198	mg/L	0.00056804	1.19%
Cu 324.752	23700.9	0.254460	mg/L	0.0065481	0.254460	mg/L	0.0065481	2.57%
Fe 273.955	1297996.3	148.178	mg/L	0.6167	148.178	mg/L	0.6167	0.42%
Pb 220.353	807.2	0.264523	mg/L	0.0019805	0.264523	mg/L	0.0019805	0.75%
Mg 279.077	230554.9	35.0460	mg/L	0.42652	35.0460	mg/L	0.42652	1.22%
Mn 257.610	133366.4	0.727878	mg/L	0.0047888	0.727878	mg/L	0.0047888	0.66%
Mo 202.031	-15.4	0.0038005	mg/L	0.00021696	0.0038005	mg/L	0.00021696	5.71%
Ni 231.604	1257.2	0.0760548	mg/L	0.00019561	0.0760548	mg/L	0.00019561	0.26%
Se 196.026	18.6	-0.0026413	mg/L	0.00608680	-0.0026413	mg/L	0.00608680	230.45%
Ag 328.068	-503.9	-0.0033818	mg/L	0.00074633	-0.0033818	mg/L	0.00074633	22.07%
Na 330.237	-799.1	-1.48848	mg/L	0.088411	-1.48848	mg/L	0.088411	5.94%
Tl 190.801	-63.2	-0.0106371	mg/L	0.00033781	-0.0106371	mg/L	0.00033781	3.18%
Sn 189.927	53.4	0.0272384	mg/L	0.00028646	0.0272384	mg/L	0.00028646	1.05%
Ti 334.940	443392.3	2.86554	mg/L	0.027554	2.86554	mg/L	0.027554	0.96%
V 292.402	14136.1	0.325180	mg/L	0.0074772	0.325180	mg/L	0.0074772	2.30%
Zn 206.200	8106.6	0.547917	mg/L	0.0004970	0.547917	mg/L	0.0004970	0.09%

Sequence No.: 15
Sample ID: 56477-002 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 12/27/2010 2:36:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-002 MR

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	675559.4	94.3137	mg/L	0.42650	94.3137	mg/L	0.42650	0.45%
Sb 206.836	-28.2	0.0045452	mg/L	0.00179784	0.0045452	mg/L	0.00179784	39.55%
As 188.979	26.5	0.0285936	mg/L	0.00049435	0.0285936	mg/L	0.00049435	1.73%
Ba 233.527	5051.8	0.210540	mg/L	0.0005412	0.210540	mg/L	0.0005412	0.26%
Be 234.861	-10736.7	0.0040389	mg/L	0.00113719	0.0040389	mg/L	0.00113719	28.16%
Cd 226.502	322.0	-0.0013004	mg/L	0.00008627	-0.0013004	mg/L	0.00008627	6.63%
Ca 315.887	253764.3	11.1993	mg/L	0.09953	11.1993	mg/L	0.09953	0.89%
Cr 206.158	1132.9	0.166264	mg/L	0.0000437	0.166264	mg/L	0.0000437	0.03%
Co 228.616	865.3	0.0613363	mg/L	0.00025707	0.0613363	mg/L	0.00025707	0.42%
Cu 324.752	20212.5	0.217091	mg/L	0.0027399	0.217091	mg/L	0.0027399	1.26%
Fe 273.955	1143585.2	130.544	mg/L	0.3643	130.544	mg/L	0.3643	0.28%
Pb 220.353	722.0	0.238179	mg/L	0.0022960	0.238179	mg/L	0.0022960	0.96%
Mg 279.077	247927.2	37.6867	mg/L	0.31468	37.6867	mg/L	0.31468	0.83%
Mn 257.610	178843.2	0.972982	mg/L	0.0064922	0.972982	mg/L	0.0064922	0.67%
Mo 202.031	-11.3	0.0036792	mg/L	0.00019419	0.0036792	mg/L	0.00019419	5.28%
Ni 231.604	1625.2	0.100249	mg/L	0.0001092	0.100249	mg/L	0.0001092	0.11%
Se 196.026	26.7	0.0032406	mg/L	0.00277010	0.0032406	mg/L	0.00277010	85.48%
Ag 328.068	-411.7	-0.0024385	mg/L	0.00025707	-0.0024385	mg/L	0.00025707	10.54%
Na 330.237	-840.1	-1.60317	mg/L	0.012587	-1.60317	mg/L	0.012587	0.79%
Tl 190.801	-67.0	-0.0059849	mg/L	0.00103124	-0.0059849	mg/L	0.00103124	17.23%
Sn 189.927	43.5	0.0222093	mg/L	0.00039396	0.0222093	mg/L	0.00039396	1.77%
Ti 334.940	504433.4	3.26003	mg/L	0.008368	3.26003	mg/L	0.008368	0.26%
V 292.402	13638.5	0.312289	mg/L	0.0019356	0.312289	mg/L	0.0019356	0.62%
Zn 206.200	8080.3	0.546041	mg/L	0.0007710	0.546041	mg/L	0.0007710	0.14%

Sequence No.: 16
Sample ID: 56477-002 MS 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 12/27/2010 2:39:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-002 MS 1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	829057.9	115.735	mg/L	0.3802	115.735	mg/L	0.3802	0.33%
Sb 206.836	341.2	0.365942	mg/L	0.0023193	0.365942	mg/L	0.0023193	0.63%
As 188.979	486.7	0.505870	mg/L	0.0004506	0.505870	mg/L	0.0004506	0.09%
Ba 233.527	16695.8	0.707632	mg/L	0.0001756	0.707632	mg/L	0.0001756	0.02%
Be 234.861	152764.6	0.490381	mg/L	0.0005998	0.490381	mg/L	0.0005998	0.12%
Cd 226.502	16551.5	0.482726	mg/L	0.0033720	0.482726	mg/L	0.0033720	0.70%
Ca 315.887	1333764.0	60.4297	mg/L	0.09269	60.4297	mg/L	0.09269	0.15%
Cr 206.158	4728.1	0.702450	mg/L	0.0028466	0.702450	mg/L	0.0028466	0.41%
Co 228.616	6783.0	0.555512	mg/L	0.0021865	0.555512	mg/L	0.0021865	0.39%
Cu 324.752	70105.9	0.752657	mg/L	0.0018403	0.752657	mg/L	0.0018403	0.24%
Fe 273.955	1424391.5	162.613	mg/L	0.3075	162.613	mg/L	0.3075	0.19%
Pb 220.353	2590.8	0.837588	mg/L	0.0049901	0.837588	mg/L	0.0049901	0.60%
Mg 279.077	541596.3	82.3265	mg/L	0.02422	82.3265	mg/L	0.02422	0.03%
Mn 257.610	257842.4	1.40105	mg/L	0.004122	1.40105	mg/L	0.004122	0.29%
Mo 202.031	3584.3	0.478620	mg/L	0.0023052	0.478620	mg/L	0.0023052	0.48%
Ni 231.604	9002.7	0.573293	mg/L	0.0004226	0.573293	mg/L	0.0004226	0.07%
Se 196.026	802.0	0.463082	mg/L	0.0081313	0.463082	mg/L	0.0081313	1.76%
Ag 328.068	5424.0	0.0953699	mg/L	0.00109435	0.0953699	mg/L	0.00109435	1.15%
Na 330.237	15101.4	42.9468	mg/L	0.05578	42.9468	mg/L	0.05578	0.13%
Tl 190.801	239.8	0.502961	mg/L	0.0047123	0.502961	mg/L	0.0047123	0.94%
Sn 189.927	1014.7	0.542844	mg/L	0.0067431	0.542844	mg/L	0.0067431	1.24%
Ti 334.940	694104.7	4.48583	mg/L	0.009018	4.48583	mg/L	0.009018	0.20%
V 292.402	36214.0	0.843150	mg/L	0.0016740	0.843150	mg/L	0.0016740	0.20%
Zn 206.200	15904.0	1.07818	mg/L	0.000908	1.07818	mg/L	0.000908	0.08%

Sequence No.: 17
Sample ID: 56477-002 MS 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 12/27/2010 2:42:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-002 MS 2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	722315.8	100.833	mg/L	0.1353	100.833	mg/L	0.1353	0.13%
Sb 206.836	351.9	0.368195	mg/L	0.0018700	0.368195	mg/L	0.0018700	0.51%
As 188.979	475.1	0.492047	mg/L	0.0033258	0.492047	mg/L	0.0033258	0.68%
Ba 233.527	15857.5	0.674410	mg/L	0.0012889	0.674410	mg/L	0.0012889	0.19%
Be 234.861	159173.1	0.492351	mg/L	0.0058277	0.492351	mg/L	0.0058277	1.18%
Cd 226.502	16352.6	0.481945	mg/L	0.0010895	0.481945	mg/L	0.0010895	0.23%
Ca 315.887	1311462.9	59.4131	mg/L	0.23179	59.4131	mg/L	0.23179	0.39%
Cr 206.158	4315.3	0.640289	mg/L	0.0034125	0.640289	mg/L	0.0034125	0.53%
Co 228.616	6426.8	0.527567	mg/L	0.0008730	0.527567	mg/L	0.0008730	0.17%
Cu 324.752	62317.8	0.668572	mg/L	0.0055693	0.668572	mg/L	0.0055693	0.83%
Fe 273.955	883573.8	100.849	mg/L	0.0152	100.849	mg/L	0.0152	0.02%
Pb 220.353	2151.7	0.697635	mg/L	0.0027079	0.697635	mg/L	0.0027079	0.39%
Mg 279.077	450498.1	68.4789	mg/L	0.45610	68.4789	mg/L	0.45610	0.67%
Mn 257.610	178996.9	0.971829	mg/L	0.0007666	0.971829	mg/L	0.0007666	0.08%
Mo 202.031	3569.1	0.473992	mg/L	0.0013828	0.473992	mg/L	0.0013828	0.29%
Ni 231.604	8414.8	0.537488	mg/L	0.0004676	0.537488	mg/L	0.0004676	0.09%
Se 196.026	799.1	0.464697	mg/L	0.0018399	0.464697	mg/L	0.0018399	0.40%
Ag 328.068	5525.6	0.0950735	mg/L	0.00033870	0.0950735	mg/L	0.00033870	0.36%
Na 330.237	15121.6	43.0031	mg/L	0.16464	43.0031	mg/L	0.16464	0.38%
Tl 190.801	268.0	0.514161	mg/L	0.0003674	0.514161	mg/L	0.0003674	0.07%
Sn 189.927	1011.3	0.540268	mg/L	0.0059469	0.540268	mg/L	0.0059469	1.10%
Ti 334.940	535433.8	3.46038	mg/L	0.013743	3.46038	mg/L	0.013743	0.40%
V 292.402	29149.1	0.678060	mg/L	0.0069594	0.678060	mg/L	0.0069594	1.03%
Zn 206.200	13542.3	0.917558	mg/L	0.0000022	0.917558	mg/L	0.0000022	0.00%

Sequence No.: 18
Sample ID: 56477-002 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 12/27/2010 2:45:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-002 PS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	711173.9	99.2772	mg/L	0.32805	99.2772	mg/L	0.32805	0.33%
Sb 206.836	477.6	0.488231	mg/L	0.0096563	0.488231	mg/L	0.0096563	1.98%
As 188.979	480.8	0.501787	mg/L	0.0018075	0.501787	mg/L	0.0018075	0.36%
Ba 233.527	15966.8	0.677230	mg/L	0.0003002	0.677230	mg/L	0.0003002	0.04%
Be 234.861	152353.0	0.484217	mg/L	0.0024477	0.484217	mg/L	0.0024477	0.51%
Cd 226.502	16331.1	0.477652	mg/L	0.0004122	0.477652	mg/L	0.0004122	0.09%
Ca 315.887	1307864.2	59.2491	mg/L	0.02751	59.2491	mg/L	0.02751	0.05%
Cr 206.158	4415.7	0.655854	mg/L	0.0016010	0.655854	mg/L	0.0016010	0.24%
Co 228.616	6548.1	0.538176	mg/L	0.0025980	0.538176	mg/L	0.0025980	0.48%
Cu 324.752	69224.3	0.742777	mg/L	0.0000056	0.742777	mg/L	0.0000056	0.00%
Fe 273.955	1264164.1	144.314	mg/L	0.1128	144.314	mg/L	0.1128	0.08%
Pb 220.353	2268.2	0.732552	mg/L	0.0028391	0.732552	mg/L	0.0028391	0.39%
Mg 279.077	538889.5	81.9150	mg/L	0.17533	81.9150	mg/L	0.17533	0.21%
Mn 257.610	216593.3	1.17708	mg/L	0.000483	1.17708	mg/L	0.000483	0.04%
Mo 202.031	3613.5	0.481282	mg/L	0.0024483	0.481282	mg/L	0.0024483	0.51%
Ni 231.604	8635.1	0.550264	mg/L	0.0026466	0.550264	mg/L	0.0026466	0.48%
Se 196.026	807.3	0.467641	mg/L	0.0040876	0.467641	mg/L	0.0040876	0.87%
Ag 328.068	5437.1	0.0949866	mg/L	0.00027803	0.0949866	mg/L	0.00027803	0.29%
Na 330.237	15193.5	43.2041	mg/L	0.02987	43.2041	mg/L	0.02987	0.07%
Tl 190.801	267.3	0.507834	mg/L	0.0036252	0.507834	mg/L	0.0036252	0.71%
Sn 189.927	1044.7	0.558147	mg/L	0.0018244	0.558147	mg/L	0.0018244	0.33%
Ti 334.940	497622.8	3.21602	mg/L	0.005333	3.21602	mg/L	0.005333	0.17%
V 292.402	33345.6	0.774328	mg/L	0.0057963	0.774328	mg/L	0.0057963	0.75%
Zn 206.200	14797.2	1.00271	mg/L	0.000022	1.00271	mg/L	0.000022	0.00%

Sequence No.: 19
Sample ID: CCV V-102763
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/27/2010 2:48:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-102763

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	35342.5	4.92201	mg/L	0.051365	4.92201	mg/L	0.051365	1.04%
QC value within limits for Al 308.215 Recovery = 98.44%								
Sb 206.836	544.1	0.515763	mg/L	0.0013791	0.515763	mg/L	0.0013791	0.27%
QC value within limits for Sb 206.836 Recovery = 103.15%								
As 188.979	488.7	0.506755	mg/L	0.0036822	0.506755	mg/L	0.0036822	0.73%
QC value within limits for As 188.979 Recovery = 101.35%								
Ba 233.527	12016.3	0.514197	mg/L	0.0028538	0.514197	mg/L	0.0028538	0.55%
QC value within limits for Ba 233.527 Recovery = 102.84%								
Be 234.861	169841.8	0.497540	mg/L	0.0030095	0.497540	mg/L	0.0030095	0.60%
QC value within limits for Be 234.861 Recovery = 99.51%								
Cd 226.502	17047.8	0.510836	mg/L	0.0038137	0.510836	mg/L	0.0038137	0.75%
QC value within limits for Cd 226.502 Recovery = 102.17%								
Ca 315.887	1106989.5	50.0924	mg/L	0.34188	50.0924	mg/L	0.34188	0.68%
QC value within limits for Ca 315.887 Recovery = 100.18%								
Cr 206.158	3488.9	0.516160	mg/L	0.0024328	0.516160	mg/L	0.0024328	0.47%
QC value within limits for Cr 206.158 Recovery = 103.23%								
Co 228.616	6243.3	0.517735	mg/L	0.0000980	0.517735	mg/L	0.0000980	0.02%
QC value within limits for Co 228.616 Recovery = 103.55%								
Cu 324.752	46578.4	0.498497	mg/L	0.0050581	0.498497	mg/L	0.0050581	1.01%
QC value within limits for Cu 324.752 Recovery = 99.70%								
Fe 273.955	44762.9	5.05324	mg/L	0.032705	5.05324	mg/L	0.032705	0.65%
QC value within limits for Fe 273.955 Recovery = 101.06%								
Pb 220.353	1562.8	0.499587	mg/L	0.0002463	0.499587	mg/L	0.0002463	0.05%
QC value within limits for Pb 220.353 Recovery = 99.92%								
Mg 279.077	327109.5	49.7229	mg/L	0.24095	49.7229	mg/L	0.24095	0.48%
QC value within limits for Mg 279.077 Recovery = 99.45%								
Mn 257.610	94279.4	0.509364	mg/L	0.0050080	0.509364	mg/L	0.0050080	0.98%
QC value within limits for Mn 257.610 Recovery = 101.87%								
Mo 202.031	3831.5	0.502065	mg/L	0.0012267	0.502065	mg/L	0.0012267	0.24%
QC value within limits for Mo 202.031 Recovery = 100.41%								
Ni 231.604	7980.0	0.512610	mg/L	0.0027437	0.512610	mg/L	0.0027437	0.54%
QC value within limits for Ni 231.604 Recovery = 102.52%								
Se 196.026	851.3	0.503587	mg/L	0.0063311	0.503587	mg/L	0.0063311	1.26%
QC value within limits for Se 196.026 Recovery = 100.72%								
Ag 328.068	6161.4	0.102323	mg/L	0.0022195	0.102323	mg/L	0.0022195	2.17%
QC value within limits for Ag 328.068 Recovery = 102.32%								
Na 330.237	16479.3	46.7973	mg/L	0.43330	46.7973	mg/L	0.43330	0.93%
QC value within limits for Na 330.237 Recovery = 93.59%								
Tl 190.801	358.2	0.560526	mg/L	0.0027645	0.560526	mg/L	0.0027645	0.49%
QC value greater than the upper limit for Tl 190.801 Recovery = 112.11%								
Sn 189.927	967.5	0.515136	mg/L	0.0007903	0.515136	mg/L	0.0007903	0.15%
QC value within limits for Sn 189.927 Recovery = 103.03%								
Ti 334.940	75900.1	0.490524	mg/L	0.0020520	0.490524	mg/L	0.0020520	0.42%
QC value within limits for Ti 334.940 Recovery = 98.10%								
V 292.402	20715.7	0.482046	mg/L	0.0011244	0.482046	mg/L	0.0011244	0.23%
QC value within limits for V 292.402 Recovery = 96.41%								
Zn 206.200	7574.8	0.511176	mg/L	0.0013321	0.511176	mg/L	0.0013321	0.26%
QC value within limits for Zn 206.200 Recovery = 102.24%								

QC Failed. Continue with analysis.

Sequence No.: 20
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/27/2010 2:51:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Intensity	Corrected Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	66.0	0.0061295	mg/L	0.00750333	0.0061295	mg/L	0.00750333	122.41%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	1.3	-0.0024159	mg/L	0.00211098	-0.0024159	mg/L	0.00211098	87.38%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-2.0	-0.0019975	mg/L	0.00093143	-0.0019975	mg/L	0.00093143	46.63%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	5.0	0.0002143	mg/L	0.00000565	0.0002143	mg/L	0.00000565	2.64%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	20.9	0.0000523	mg/L	0.00000917	0.0000523	mg/L	0.00000917	17.52%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	6.3	0.0001928	mg/L	0.00002714	0.0001928	mg/L	0.00002714	14.07%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	139.7	-0.361883	mg/L	0.0018059	-0.361883	mg/L	0.0018059	0.50%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	-1.3	-0.0045322	mg/L	0.00037392	-0.0045322	mg/L	0.00037392	8.25%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	10.2	-0.0042752	mg/L	0.00026493	-0.0042752	mg/L	0.00026493	6.20%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	480.0	0.0040435	mg/L	0.00052267	0.0040435	mg/L	0.00052267	12.93%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	246.3	-0.0307648	mg/L	0.01129058	-0.0307648	mg/L	0.01129058	36.70%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-5.0	-0.0024685	mg/L	0.00022381	-0.0024685	mg/L	0.00022381	9.07%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	-79.3	-0.0120591	mg/L	0.00046175	-0.0120591	mg/L	0.00046175	3.83%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	-10.2	-0.0000565	mg/L	0.00003807	-0.0000565	mg/L	0.00003807	67.40%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	2.0	-0.0021745	mg/L	0.00046242	-0.0021745	mg/L	0.00046242	21.27%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	2.0	0.0001262	mg/L	0.00080606	0.0001262	mg/L	0.00080606	638.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	-2.8	-0.0052390	mg/L	0.00089741	-0.0052390	mg/L	0.00089741	17.13%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-35.9	-0.0005980	mg/L	0.00034103	-0.0005980	mg/L	0.00034103	57.03%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-71.2	0.545827	mg/L	0.2541843	0.545827	mg/L	0.2541843	46.57%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	3.1	-0.0002688	mg/L	0.00272507	-0.0002688	mg/L	0.00272507	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	0.1	-0.0033202	mg/L	0.00109889	-0.0033202	mg/L	0.00109889	33.10%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	0.2	0.0000011	mg/L	0.00004559	0.0000011	mg/L	0.00004559	>999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	1.9	-0.0024746	mg/L	0.00008634	-0.0024746	mg/L	0.00008634	3.49%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	126.5	0.0048000	mg/L	0.00059261	0.0048000	mg/L	0.00059261	12.35%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21
Sample ID: 56477-002 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 12/27/2010 2:54:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-002 SD

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	135177.5	18.8694	mg/L	0.08374	18.8694	mg/L	0.08374	0.44%
Sb 206.836	-3.9	-0.0000532	mg/L	0.00137966	-0.0000532	mg/L	0.00137966	>999.9%
As 188.979	2.4	0.0033869	mg/L	0.00079205	0.0033869	mg/L	0.00079205	23.39%
Ba 233.527	1018.6	0.0422361	mg/L	0.00001439	0.0422361	mg/L	0.00001439	0.03%
Be 234.861	-2367.8	0.0015605	mg/L	0.00023598	0.0015605	mg/L	0.00023598	15.12%
Cd 226.502	72.8	-0.0004397	mg/L	0.00004943	-0.0004397	mg/L	0.00004943	11.24%
Ca 315.887	55747.6	2.17293	mg/L	0.000624	2.17293	mg/L	0.000624	0.03%
Cr 206.158	238.8	0.0316153	mg/L	0.00020801	0.0316153	mg/L	0.00020801	0.66%
Co 228.616	151.6	0.0065020	mg/L	0.00018497	0.0065020	mg/L	0.00018497	2.84%
Cu 324.752	4802.9	0.0506697	mg/L	0.00032263	0.0506697	mg/L	0.00032263	0.64%
Fe 273.955	274229.7	31.2594	mg/L	0.06107	31.2594	mg/L	0.06107	0.20%
Pb 220.353	162.2	0.0523330	mg/L	0.00328185	0.0523330	mg/L	0.00328185	6.27%
Mg 279.077	47476.6	7.21678	mg/L	0.024469	7.21678	mg/L	0.024469	0.34%
Mn 257.610	27730.5	0.151370	mg/L	0.0001669	0.151370	mg/L	0.0001669	0.11%
Mo 202.031	-5.0	-0.0013972	mg/L	0.00006086	-0.0013972	mg/L	0.00006086	4.36%
Ni 231.604	250.3	0.0150873	mg/L	0.00078627	0.0150873	mg/L	0.00078627	5.21%
Se 196.026	5.1	-0.0026264	mg/L	0.00644446	-0.0026264	mg/L	0.00644446	245.37%
Ag 328.068	-79.8	-0.0002853	mg/L	0.00011516	-0.0002853	mg/L	0.00011516	40.36%
Na 330.237	-200.9	0.183156	mg/L	0.0527829	0.183156	mg/L	0.0527829	28.82%
Tl 190.801	-11.1	-0.0036464	mg/L	0.00849984	-0.0036464	mg/L	0.00849984	233.10%
Sn 189.927	11.0	0.0029463	mg/L	0.00044858	0.0029463	mg/L	0.00044858	15.23%
Ti 334.940	88773.8	0.573724	mg/L	0.0015679	0.573724	mg/L	0.0015679	0.27%
V 292.402	2728.5	0.0605665	mg/L	0.00058367	0.0605665	mg/L	0.00058367	0.96%
Zn 206.200	1766.2	0.116399	mg/L	0.0001334	0.116399	mg/L	0.0001334	0.11%

Sequence No.: 22
Sample ID: 56492-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 12/27/2010 2:57:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56492-001

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	426630.7	59.5601	mg/L	0.64919	59.5601	mg/L	0.64919	1.09%
Sb 206.836	-16.9	0.0050715	mg/L	0.00186603	0.0050715	mg/L	0.00186603	36.79%
As 188.979	12.1	0.0119032	mg/L	0.00116702	0.0119032	mg/L	0.00116702	9.80%
Ba 233.527	10024.5	0.423655	mg/L	0.0000385	0.423655	mg/L	0.0000385	0.01%
Be 234.861	-9822.4	0.0043142	mg/L	0.00004685	0.0043142	mg/L	0.00004685	1.09%
Cd 226.502	318.8	-0.0006566	mg/L	0.00028366	-0.0006566	mg/L	0.00028366	43.20%
Ca 315.887	819223.4	36.9750	mg/L	0.30843	36.9750	mg/L	0.30843	0.83%
Cr 206.158	1079.9	0.156936	mg/L	0.0009875	0.156936	mg/L	0.0009875	0.63%
Co 228.616	775.6	0.0525538	mg/L	0.00026541	0.0525538	mg/L	0.00026541	0.51%
Cu 324.752	11326.6	0.121111	mg/L	0.0005025	0.121111	mg/L	0.0005025	0.41%
Fe 273.955	1066242.6	121.711	mg/L	0.5932	121.711	mg/L	0.5932	0.49%
Pb 220.353	202.8	0.0695914	mg/L	0.00050616	0.0695914	mg/L	0.00050616	0.73%
Mg 279.077	240312.2	36.5292	mg/L	0.19332	36.5292	mg/L	0.19332	0.53%
Mn 257.610	370252.7	2.00801	mg/L	0.008108	2.00801	mg/L	0.008108	0.40%
Mo 202.031	-17.1	0.0014704	mg/L	0.00036762	0.0014704	mg/L	0.00036762	25.00%
Ni 231.604	1947.0	0.121198	mg/L	0.0003693	0.121198	mg/L	0.0003693	0.30%
Se 196.026	34.3	0.0052237	mg/L	0.00347746	0.0052237	mg/L	0.00347746	66.57%
Ag 328.068	-359.4	-0.0013687	mg/L	0.00079739	-0.0013687	mg/L	0.00079739	58.26%
Na 330.237	-216.2	0.140450	mg/L	0.0529213	0.140450	mg/L	0.0529213	37.68%
Tl 190.801	-78.0	-0.0056127	mg/L	0.00592290	-0.0056127	mg/L	0.00592290	105.53%
Sn 189.927	38.4	0.0209834	mg/L	0.00040158	0.0209834	mg/L	0.00040158	1.91%
Ti 334.940	609993.9	3.94225	mg/L	0.051240	3.94225	mg/L	0.051240	1.30%
V 292.402	9478.0	0.212616	mg/L	0.0025674	0.212616	mg/L	0.0025674	1.21%
Zn 206.200	4401.0	0.295146	mg/L	0.0007172	0.295146	mg/L	0.0007172	0.24%

Sequence No.: 23
Sample ID: 56495-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 12/27/2010 3:00:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-001

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	434277.0	60.6276	mg/L	0.38865	60.6276	mg/L	0.38865	0.64%
Sb 206.836	-17.4	0.0055574	mg/L	0.00050304	0.0055574	mg/L	0.00050304	9.05%
As 188.979	20.4	0.0306002	mg/L	0.00222643	0.0306002	mg/L	0.00222643	7.28%
Ba 233.527	9538.5	0.402225	mg/L	0.0019386	0.402225	mg/L	0.0019386	0.48%
Be 234.861	-11536.8	0.0033462	mg/L	0.00031337	0.0033462	mg/L	0.00031337	9.36%
Cd 226.502	350.9	-0.0009417	mg/L	0.00012992	-0.0009417	mg/L	0.00012992	13.80%
Ca 315.887	113429.1	4.80227	mg/L	0.022477	4.80227	mg/L	0.022477	0.47%
Cr 206.158	867.1	0.126201	mg/L	0.0001897	0.126201	mg/L	0.0001897	0.15%
Co 228.616	744.4	0.0566314	mg/L	0.00019821	0.0566314	mg/L	0.00019821	0.35%
Cu 324.752	8090.2	0.0858810	mg/L	0.00104875	0.0858810	mg/L	0.00104875	1.22%
Fe 273.955	1196682.6	136.608	mg/L	0.0224	136.608	mg/L	0.0224	0.02%
Pb 220.353	349.1	0.112601	mg/L	0.0012936	0.112601	mg/L	0.0012936	1.15%
Mg 279.077	138624.5	21.0719	mg/L	0.07786	21.0719	mg/L	0.07786	0.37%
Mn 257.610	374721.8	2.03331	mg/L	0.000779	2.03331	mg/L	0.000779	0.04%
Mo 202.031	-20.0	0.0016481	mg/L	0.00032422	0.0016481	mg/L	0.00032422	19.67%
Ni 231.604	2097.4	0.130385	mg/L	0.0007938	0.130385	mg/L	0.0007938	0.61%
Se 196.026	5.9	-0.0081050	mg/L	0.00103649	-0.0081050	mg/L	0.00103649	12.79%
Ag 328.068	-401.9	-0.0022074	mg/L	0.00038906	-0.0022074	mg/L	0.00038906	17.63%
Na 330.237	663.5	2.59883	mg/L	0.044720	2.59883	mg/L	0.044720	1.72%
Tl 190.801	-10.0	-0.0014039	mg/L	0.00111712	-0.0014039	mg/L	0.00111712	79.57%
Sn 189.927	37.9	0.0172643	mg/L	0.00066647	0.0172643	mg/L	0.00066647	3.86%
Ti 334.940	49825.4	0.322010	mg/L	0.0021061	0.322010	mg/L	0.0021061	0.65%
V 292.402	3521.9	0.0747730	mg/L	0.00016362	0.0747730	mg/L	0.00016362	0.22%
Zn 206.200	5842.0	0.393923	mg/L	0.0002294	0.393923	mg/L	0.0002294	0.06%

Sequence No.: 24
Sample ID: 56495-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 12/27/2010 3:04:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-002

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	389347.4	54.3548	mg/L	0.21405	54.3548	mg/L	0.21405	0.39%
Sb 206.836	-17.9	0.0025958	mg/L	0.00137599	0.0025958	mg/L	0.00137599	53.01%
As 188.979	25.9	0.0355193	mg/L	0.00471909	0.0355193	mg/L	0.00471909	13.29%
Ba 233.527	9094.9	0.383755	mg/L	0.0033951	0.383755	mg/L	0.0033951	0.88%
Be 234.861	-10284.4	0.0037802	mg/L	0.00105903	0.0037802	mg/L	0.00105903	28.02%
Cd 226.502	320.1	-0.0008677	mg/L	0.00034199	-0.0008677	mg/L	0.00034199	39.41%
Ca 315.887	97227.6	4.06375	mg/L	0.002433	4.06375	mg/L	0.002433	0.06%
Cr 206.158	915.7	0.133225	mg/L	0.0003300	0.133225	mg/L	0.0003300	0.25%
Co 228.616	657.8	0.0494351	mg/L	0.00016740	0.0494351	mg/L	0.00016740	0.34%
Cu 324.752	9174.9	0.0975539	mg/L	0.00086992	0.0975539	mg/L	0.00086992	0.89%
Fe 273.955	1092571.7	124.718	mg/L	0.1941	124.718	mg/L	0.1941	0.16%
Pb 220.353	361.3	0.116154	mg/L	0.0003429	0.116154	mg/L	0.0003429	0.30%
Mg 279.077	126307.1	19.1996	mg/L	0.08771	19.1996	mg/L	0.08771	0.46%
Mn 257.610	355918.3	1.93106	mg/L	0.003768	1.93106	mg/L	0.003768	0.20%
Mo 202.031	-15.1	0.0016653	mg/L	0.00066006	0.0016653	mg/L	0.00066006	39.64%
Ni 231.604	1899.1	0.118025	mg/L	0.0003070	0.118025	mg/L	0.0003070	0.26%
Se 196.026	11.0	-0.0042587	mg/L	0.00268098	-0.0042587	mg/L	0.00268098	62.95%
Ag 328.068	-365.7	-0.0020012	mg/L	0.00063617	-0.0020012	mg/L	0.00063617	31.79%
Na 330.237	482.7	2.09352	mg/L	0.055347	2.09352	mg/L	0.055347	2.64%
Tl 190.801	-11.2	-0.0049631	mg/L	0.00556208	-0.0049631	mg/L	0.00556208	112.07%
Sn 189.927	36.9	0.0167012	mg/L	0.00006140	0.0167012	mg/L	0.00006140	0.37%
Ti 334.940	44584.4	0.288138	mg/L	0.0003524	0.288138	mg/L	0.0003524	0.12%
V 292.402	3201.2	0.0677215	mg/L	0.00040139	0.0677215	mg/L	0.00040139	0.59%
Zn 206.200	5342.8	0.359936	mg/L	0.0003966	0.359936	mg/L	0.0003966	0.11%

Sequence No.: 25
Sample ID: 56476-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 12/27/2010 3:07:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56476-001

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	684514.8	95.5639	mg/L	1.05771	95.5639	mg/L	1.05771	1.11%
Sb 206.836	-28.5	0.0069983	mg/L	0.00160162	0.0069983	mg/L	0.00160162	22.89%
As 188.979	38.0	0.0440383	mg/L	0.00067022	0.0440383	mg/L	0.00067022	1.52%
Ba 233.527	18481.3	0.784117	mg/L	0.0083895	0.784117	mg/L	0.0083895	1.07%
Be 234.861	-10766.6	0.0100136	mg/L	0.00000693	0.0100136	mg/L	0.00000693	0.07%
Cd 226.502	434.0	0.0001825	mg/L	0.00021352	0.0001825	mg/L	0.00021352	117.01%
Ca 315.887	768184.0	34.6484	mg/L	0.07603	34.6484	mg/L	0.07603	0.22%
Cr 206.158	1306.9	0.192836	mg/L	0.0014044	0.192836	mg/L	0.0014044	0.73%
Co 228.616	1072.5	0.0794068	mg/L	0.00037787	0.0794068	mg/L	0.00037787	0.48%
Cu 324.752	22486.6	0.240849	mg/L	0.0009280	0.240849	mg/L	0.0009280	0.39%
Fe 273.955	1339317.8	152.897	mg/L	0.9681	152.897	mg/L	0.9681	0.63%
Pb 220.353	1252.9	0.406846	mg/L	0.0020911	0.406846	mg/L	0.0020911	0.51%
Mg 279.077	131146.9	19.9353	mg/L	0.07364	19.9353	mg/L	0.07364	0.37%
Mn 257.610	856445.2	4.63999	mg/L	0.020098	4.63999	mg/L	0.020098	0.43%
Mo 202.031	-6.4	0.0051319	mg/L	0.00037719	0.0051319	mg/L	0.00037719	7.35%
Ni 231.604	2163.2	0.134095	mg/L	0.0003823	0.134095	mg/L	0.0003823	0.29%
Se 196.026	41.8	0.0081622	mg/L	0.01222401	0.0081622	mg/L	0.01222401	149.76%
Ag 328.068	-103.8	0.0037682	mg/L	0.00076809	0.0037682	mg/L	0.00076809	20.38%
Na 330.237	-644.1	-1.05542	mg/L	0.011160	-1.05542	mg/L	0.011160	1.06%
Tl 190.801	-64.2	-0.0085540	mg/L	0.00004416	-0.0085540	mg/L	0.00004416	0.52%
Sn 189.927	53.5	0.0279794	mg/L	0.00113819	0.0279794	mg/L	0.00113819	4.07%
Ti 334.940	445789.0	2.88103	mg/L	0.011114	2.88103	mg/L	0.011114	0.39%
V 292.402	11449.6	0.265875	mg/L	0.0010177	0.265875	mg/L	0.0010177	0.38%
Zn 206.200	9629.3	0.652254	mg/L	0.0030663	0.652254	mg/L	0.0030663	0.47%

Sequence No.: 26
Sample ID: ICSA V-102257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/27/2010 3:10:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-102257

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3112590.2	434.555	mg/L	2.0862	434.555	mg/L	2.0862	0.48%
QC value within limits for Al 308.215 Recovery = 86.91%								
Sb 206.836	-128.6	0.0088716	mg/L	0.00154136	0.0088716	mg/L	0.00154136	17.37%
As 188.979	-16.2	0.0038609	mg/L	0.00809426	0.0038609	mg/L	0.00809426	209.65%
Ba 233.527	271.1	0.0044499	mg/L	0.00001850	0.0044499	mg/L	0.00001850	0.42%
Be 234.861	-16653.7	-0.0034065	mg/L	0.00011993	-0.0034065	mg/L	0.00011993	3.52%
Cd 226.502	486.9	0.0005974	mg/L	0.00008829	0.0005974	mg/L	0.00008829	14.78%
Ca 315.887	9560917.1	435.454	mg/L	0.0601	435.454	mg/L	0.0601	0.01%
QC value within limits for Ca 315.887 Recovery = 87.09%								
Cr 206.158	21.0	-0.0075067	mg/L	0.00068628	-0.0075067	mg/L	0.00068628	9.14%
Co 228.616	-44.8	-0.0089673	mg/L	0.00056197	-0.0089673	mg/L	0.00056197	6.27%
Cu 324.752	1002.0	-0.0010215	mg/L	0.00003367	-0.0010215	mg/L	0.00003367	3.30%
Fe 273.955	1461303.2	166.829	mg/L	0.7972	166.829	mg/L	0.7972	0.48%
QC value within limits for Fe 273.955 Recovery = 83.41%								
Pb 220.353	-149.6	0.0084426	mg/L	0.00100293	0.0084426	mg/L	0.00100293	11.88%
Mg 279.077	3004371.0	456.686	mg/L	0.3627	456.686	mg/L	0.3627	0.08%
QC value within limits for Mg 279.077 Recovery = 91.34%								
Mn 257.610	-2657.7	-0.0144378	mg/L	0.00000043	-0.0144378	mg/L	0.00000043	0.00%
Saturated outside survey window (code 6)								
Mo 202.031	-127.0	0.0008360	mg/L	0.00070743	0.0008360	mg/L	0.00070743	84.62%
Ni 231.604	158.1	0.0048647	mg/L	0.00032489	0.0048647	mg/L	0.00032489	6.68%
Se 196.026	103.8	-0.0132046	mg/L	0.00442060	-0.0132046	mg/L	0.00442060	33.48%
Ag 328.068	-825.3	-0.0000572	mg/L	0.00017388	-0.0000572	mg/L	0.00017388	304.24%
Na 330.237	-71.2	0.545753	mg/L	0.0967990	0.545753	mg/L	0.0967990	17.74%
Tl 190.801	-17.6	-0.0061488	mg/L	0.00362631	-0.0061488	mg/L	0.00362631	58.98%
Sn 189.927	-37.8	-0.0006875	mg/L	0.00046670	-0.0006875	mg/L	0.00046670	67.88%
Ti 334.940	-276.4	-0.0017860	mg/L	0.00004349	-0.0017860	mg/L	0.00004349	2.44%
V 292.402	7318.1	0.0130749	mg/L	0.00044916	0.0130749	mg/L	0.00044916	3.44%
Zn 206.200	119.1	-0.0104255	mg/L	0.00114736	-0.0104255	mg/L	0.00114736	11.01%

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: ICSAB V-102798
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/27/2010 3:14:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-102798

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	3237348.8	451.972	mg/L	2.3449	451.972	mg/L	2.3449	0.52%
QC value within limits for Al 308.215 Recovery = 90.39%								
Sb 206.836	903.1	0.983048	mg/L	0.0010219	0.983048	mg/L	0.0010219	0.10%
QC value within limits for Sb 206.836 Recovery = 98.30%								
As 188.979	923.9	0.979335	mg/L	0.0086050	0.979335	mg/L	0.0086050	0.88%
QC value within limits for As 188.979 Recovery = 97.93%								
Ba 233.527	11147.4	0.469460	mg/L	0.0003654	0.469460	mg/L	0.0003654	0.08%
QC value within limits for Ba 233.527 Recovery = 93.89%								
Be 234.861	153154.8	0.494464	mg/L	0.0021346	0.494464	mg/L	0.0021346	0.43%
QC value within limits for Be 234.861 Recovery = 98.89%								
Cd 226.502	31302.6	0.924180	mg/L	0.0070470	0.924180	mg/L	0.0070470	0.76%
QC value within limits for Cd 226.502 Recovery = 92.42%								
Ca 315.887	9810180.5	446.816	mg/L	0.1628	446.816	mg/L	0.1628	0.04%
QC value within limits for Ca 315.887 Recovery = 89.36%								
Cr 206.158	3166.6	0.465075	mg/L	0.0001848	0.465075	mg/L	0.0001848	0.04%
QC value within limits for Cr 206.158 Recovery = 93.01%								
Co 228.616	5398.3	0.447468	mg/L	0.0001981	0.447468	mg/L	0.0001981	0.04%
QC value within limits for Co 228.616 Recovery = 89.49%								
Cu 324.752	48486.5	0.509441	mg/L	0.0054995	0.509441	mg/L	0.0054995	1.08%
QC value within limits for Cu 324.752 Recovery = 101.89%								
Fe 273.955	1521213.4	173.671	mg/L	0.4504	173.671	mg/L	0.4504	0.26%
QC value within limits for Fe 273.955 Recovery = 86.84%								
Pb 220.353	2728.0	0.927969	mg/L	0.0072621	0.927969	mg/L	0.0072621	0.78%
QC value within limits for Pb 220.353 Recovery = 92.80%								
Mg 279.077	3117444.3	473.874	mg/L	2.1287	473.874	mg/L	2.1287	0.45%
QC value within limits for Mg 279.077 Recovery = 94.77%								
Mn 257.610	83756.3	0.453057	mg/L	0.0012135	0.453057	mg/L	0.0012135	0.27%
QC value within limits for Mn 257.610 Recovery = 90.61%								
Mo 202.031	-131.9	0.0009898	mg/L	0.00037408	0.0009898	mg/L	0.00037408	37.79%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	14331.1	0.914945	mg/L	0.0027219	0.914945	mg/L	0.0027219	0.30%
QC value within limits for Ni 231.604 Recovery = 91.49%								
Se 196.026	1630.9	0.907130	mg/L	0.0019629	0.907130	mg/L	0.0019629	0.22%
QC value within limits for Se 196.026 Recovery = 90.71%								
Ag 328.068	65746.6	1.09398	mg/L	0.009518	1.09398	mg/L	0.009518	0.87%
QC value within limits for Ag 328.068 Recovery = 109.40%								
Na 330.237	-1030.2	-2.13427	mg/L	0.055601	-2.13427	mg/L	0.055601	2.61%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	573.8	0.906311	mg/L	0.0091744	0.906311	mg/L	0.0091744	1.01%
QC value within limits for Tl 190.801 Recovery = 90.63%								
Sn 189.927	-45.0	-0.0038412	mg/L	0.00416508	-0.0038412	mg/L	0.00416508	108.43%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-298.7	-0.0019302	mg/L	0.00002349	-0.0019302	mg/L	0.00002349	1.22%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	25655.9	0.448126	mg/L	0.0075895	0.448126	mg/L	0.0075895	1.69%
QC value within limits for V 292.402 Recovery = 89.63%								
Zn 206.200	13611.6	0.909215	mg/L	0.0007678	0.909215	mg/L	0.0007678	0.08%
QC value within limits for Zn 206.200 Recovery = 90.92%								

QC Failed. Continue with analysis.

Sequence No.: 28
Sample ID: CCV V-102763
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/27/2010 3:18:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-102763

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	35077.5	4.88514	mg/L	0.048951	4.88514	mg/L	0.048951	1.00%
QC value within limits for Al 308.215 Recovery = 97.70%								
Sb 206.836	537.7	0.509665	mg/L	0.0048495	0.509665	mg/L	0.0048495	0.95%
QC value within limits for Sb 206.836 Recovery = 101.93%								
As 188.979	493.9	0.512172	mg/L	0.0080811	0.512172	mg/L	0.0080811	1.58%
QC value within limits for As 188.979 Recovery = 102.43%								
Ba 233.527	11814.7	0.505569	mg/L	0.0064471	0.505569	mg/L	0.0064471	1.28%
QC value within limits for Ba 233.527 Recovery = 101.11%								
Be 234.861	169093.2	0.495340	mg/L	0.0029777	0.495340	mg/L	0.0029777	0.60%
QC value within limits for Be 234.861 Recovery = 99.07%								
Cd 226.502	16973.4	0.508609	mg/L	0.0027904	0.508609	mg/L	0.0027904	0.55%
QC value within limits for Cd 226.502 Recovery = 101.72%								
Ca 315.887	1097653.2	49.6669	mg/L	0.32857	49.6669	mg/L	0.32857	0.66%
QC value within limits for Ca 315.887 Recovery = 99.33%								
Cr 206.158	3485.2	0.515565	mg/L	0.0016877	0.515565	mg/L	0.0016877	0.33%
QC value within limits for Cr 206.158 Recovery = 103.11%								
Co 228.616	6195.8	0.513773	mg/L	0.0000821	0.513773	mg/L	0.0000821	0.02%
QC value within limits for Co 228.616 Recovery = 102.75%								
Cu 324.752	45935.3	0.491591	mg/L	0.0029141	0.491591	mg/L	0.0029141	0.59%
QC value within limits for Cu 324.752 Recovery = 98.32%								
Fe 273.955	44381.7	5.00969	mg/L	0.034027	5.00969	mg/L	0.034027	0.68%
QC value within limits for Fe 273.955 Recovery = 100.19%								
Pb 220.353	1542.3	0.493011	mg/L	0.0021213	0.493011	mg/L	0.0021213	0.43%
QC value within limits for Pb 220.353 Recovery = 98.60%								
Mg 279.077	327220.3	49.7398	mg/L	0.36054	49.7398	mg/L	0.36054	0.72%
QC value within limits for Mg 279.077 Recovery = 99.48%								
Mn 257.610	94453.6	0.510304	mg/L	0.0016276	0.510304	mg/L	0.0016276	0.32%
QC value within limits for Mn 257.610 Recovery = 102.06%								
Mo 202.031	3774.6	0.494578	mg/L	0.0018147	0.494578	mg/L	0.0018147	0.37%
QC value within limits for Mo 202.031 Recovery = 98.92%								
Ni 231.604	7864.7	0.505203	mg/L	0.0005743	0.505203	mg/L	0.0005743	0.11%
QC value within limits for Ni 231.604 Recovery = 101.04%								
Se 196.026	856.3	0.506651	mg/L	0.0030285	0.506651	mg/L	0.0030285	0.60%
QC value within limits for Se 196.026 Recovery = 101.33%								
Ag 328.068	6159.6	0.102285	mg/L	0.0009390	0.102285	mg/L	0.0009390	0.92%
QC value within limits for Ag 328.068 Recovery = 102.29%								
Na 330.237	16308.3	46.3196	mg/L	0.46140	46.3196	mg/L	0.46140	1.00%
QC value within limits for Na 330.237 Recovery = 92.64%								
Tl 190.801	363.3	0.568050	mg/L	0.0055749	0.568050	mg/L	0.0055749	0.98%
QC value greater than the upper limit for Tl 190.801 Recovery = 113.61%								
Sn 189.927	962.6	0.512455	mg/L	0.0025764	0.512455	mg/L	0.0025764	0.50%
QC value within limits for Sn 189.927 Recovery = 102.49%								
Ti 334.940	74121.1	0.479027	mg/L	0.0029745	0.479027	mg/L	0.0029745	0.62%
QC value within limits for Ti 334.940 Recovery = 95.81%								
V 292.402	20450.0	0.475593	mg/L	0.0031114	0.475593	mg/L	0.0031114	0.65%
QC value within limits for V 292.402 Recovery = 95.12%								
Zn 206.200	7481.6	0.504820	mg/L	0.0001395	0.504820	mg/L	0.0001395	0.03%
QC value within limits for Zn 206.200 Recovery = 100.96%								

QC Failed. Continue with analysis.

Sequence No.: 29
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/27/2010 3:21:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	137.1	0.0160657	mg/L	0.00087181	0.0160657	mg/L	0.00087181	5.43%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-0.9	-0.0044477	mg/L	0.00249437	-0.0044477	mg/L	0.00249437	56.08%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	0.1	0.0001657	mg/L	0.00614498	0.0001657	mg/L	0.00614498	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	7.9	0.0003378	mg/L	0.00016623	0.0003378	mg/L	0.00016623	49.22%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	21.5	0.0000510	mg/L	0.00002799	0.0000510	mg/L	0.00002799	54.86%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	0.5	0.0000186	mg/L	0.00000226	0.0000186	mg/L	0.00000226	12.13%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	464.7	-0.347068	mg/L	0.0073222	-0.347068	mg/L	0.0073222	2.11%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	1.1	-0.0041806	mg/L	0.00011244	-0.0041806	mg/L	0.00011244	2.69%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	8.4	-0.0044293	mg/L	0.00018713	-0.0044293	mg/L	0.00018713	4.22%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	505.0	0.0043119	mg/L	0.00026147	0.0043119	mg/L	0.00026147	6.06%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	144.8	-0.0423633	mg/L	0.00177290	-0.0423633	mg/L	0.00177290	4.18%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	3.6	0.0002612	mg/L	0.00160736	0.0002612	mg/L	0.00160736	615.37%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	137.6	0.0209230	mg/L	0.00359066	0.0209230	mg/L	0.00359066	17.16%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	-19.0	-0.0001054	mg/L	0.00003531	-0.0001054	mg/L	0.00003531	33.49%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	1.4	-0.0022419	mg/L	0.00024819	-0.0022419	mg/L	0.00024819	11.07%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	8.0	0.0005155	mg/L	0.00014250	0.0005155	mg/L	0.00014250	27.64%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	6.9	0.0006059	mg/L	0.00109922	0.0006059	mg/L	0.00109922	181.42%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-6.7	-0.0001172	mg/L	0.00009282	-0.0001172	mg/L	0.00009282	79.21%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-11.9	0.711390	mg/L	0.0457218	0.711390	mg/L	0.0457218	6.43%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	0.3	-0.0045563	mg/L	0.00169956	-0.0045563	mg/L	0.00169956	37.30%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	1.6	-0.0025327	mg/L	0.00337444	-0.0025327	mg/L	0.00337444	133.24%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-5.6	-0.0000362	mg/L	0.00014964	-0.0000362	mg/L	0.00014964	412.90%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	-7.6	-0.0027136	mg/L	0.00021600	-0.0027136	mg/L	0.00021600	7.96%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	113.5	0.0039121	mg/L	0.00050087	0.0039121	mg/L	0.00050087	12.80%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 30
Sample ID: 56476-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 12/27/2010 3:24:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56476-002

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	161383.6	22.5281	mg/L	0.30241	22.5281	mg/L	0.30241	1.34%
Sb 206.836	-8.5	-0.0010663	mg/L	0.00009347	-0.0010663	mg/L	0.00009347	8.77%
As 188.979	25.0	0.0279347	mg/L	0.00118394	0.0279347	mg/L	0.00118394	4.24%
Ba 233.527	4544.5	0.191537	mg/L	0.0006340	0.191537	mg/L	0.0006340	0.33%
Be 234.861	-4571.9	0.0049243	mg/L	0.00004952	0.0049243	mg/L	0.00004952	1.01%
Cd 226.502	194.9	0.0001883	mg/L	0.00024280	0.0001883	mg/L	0.00024280	128.95%
Ca 315.887	207041.6	9.06947	mg/L	0.076805	9.06947	mg/L	0.076805	0.85%
Cr 206.158	470.9	0.0676424	mg/L	0.00044077	0.0676424	mg/L	0.00044077	0.65%
Co 228.616	637.6	0.0460822	mg/L	0.00007344	0.0460822	mg/L	0.00007344	0.16%
Cu 324.752	18446.9	0.197465	mg/L	0.0027362	0.197465	mg/L	0.0027362	1.39%
Fe 273.955	590721.8	67.4042	mg/L	0.54531	67.4042	mg/L	0.54531	0.81%
Pb 220.353	1704.5	0.543474	mg/L	0.0002907	0.543474	mg/L	0.0002907	0.05%
Mg 279.077	94519.0	14.3676	mg/L	0.12490	14.3676	mg/L	0.12490	0.87%
Mn 257.610	730076.2	3.95241	mg/L	0.022784	3.95241	mg/L	0.022784	0.58%
Mo 202.031	1.3	0.0008014	mg/L	0.00064821	0.0008014	mg/L	0.00064821	80.89%
Ni 231.604	774.2	0.0475890	mg/L	0.00029947	0.0475890	mg/L	0.00029947	0.63%
Se 196.026	11.8	-0.0013174	mg/L	0.00202994	-0.0013174	mg/L	0.00202994	154.09%
Ag 328.068	-292.2	-0.0025050	mg/L	0.00034976	-0.0025050	mg/L	0.00034976	13.96%
Na 330.237	-341.7	-0.210120	mg/L	0.0183026	-0.210120	mg/L	0.0183026	8.71%
Tl 190.801	-27.5	-0.0065972	mg/L	0.00109580	-0.0065972	mg/L	0.00109580	16.61%
Sn 189.927	24.9	0.0110567	mg/L	0.00098746	0.0110567	mg/L	0.00098746	8.93%
Ti 334.940	185815.4	1.20088	mg/L	0.013420	1.20088	mg/L	0.013420	1.12%
V 292.402	5443.9	0.123378	mg/L	0.0002481	0.123378	mg/L	0.0002481	0.20%
Zn 206.200	4978.8	0.335270	mg/L	0.0015822	0.335270	mg/L	0.0015822	0.47%

Sequence No.: 31
Sample ID: 56476-003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 12/27/2010 3:27:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56476-003

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	418879.7	58.4777	mg/L	0.12376	58.4777	mg/L	0.12376	0.21%
Sb 206.836	-19.7	0.0058955	mg/L	0.00143862	0.0058955	mg/L	0.00143862	24.40%
As 188.979	52.3	0.0615135	mg/L	0.00077774	0.0615135	mg/L	0.00077774	1.26%
Ba 233.527	20151.0	0.857440	mg/L	0.0029099	0.857440	mg/L	0.0029099	0.34%
Be 234.861	-8955.5	0.0033448	mg/L	0.00032981	0.0033448	mg/L	0.00032981	9.86%
Cd 226.502	485.3	0.0054218	mg/L	0.00004382	0.0054218	mg/L	0.00004382	0.81%
Ca 315.887	5035034.4	229.147	mg/L	0.4114	229.147	mg/L	0.4114	0.18%
Cr 206.158	777.8	0.124777	mg/L	0.0007854	0.124777	mg/L	0.0007854	0.63%
Co 228.616	761.8	0.0536763	mg/L	0.00028106	0.0536763	mg/L	0.00028106	0.52%
Cu 324.752	62007.5	0.661104	mg/L	0.0019062	0.661104	mg/L	0.0019062	0.29%
Fe 273.955	953144.7	108.795	mg/L	0.2743	108.795	mg/L	0.2743	0.25%
Pb 220.353	6006.1	1.92304	mg/L	0.003694	1.92304	mg/L	0.003694	0.19%
Mg 279.077	195011.2	29.6431	mg/L	0.14976	29.6431	mg/L	0.14976	0.51%
Mn 257.610	388244.8	2.10489	mg/L	0.011712	2.10489	mg/L	0.011712	0.56%
Mo 202.031	56.0	0.0106072	mg/L	0.00106128	0.0106072	mg/L	0.00106128	10.01%
Ni 231.604	2537.1	0.159510	mg/L	0.0002535	0.159510	mg/L	0.0002535	0.16%
Se 196.026	99.7	0.0198321	mg/L	0.00220925	0.0198321	mg/L	0.00220925	11.14%
Ag 328.068	-489.9	-0.0002818	mg/L	0.00031050	-0.0002818	mg/L	0.00031050	110.20%
Na 330.237	127.6	1.10116	mg/L	0.038521	1.10116	mg/L	0.038521	3.50%
Tl 190.801	-48.9	0.0019669	mg/L	0.00813227	0.0019669	mg/L	0.00813227	413.45%
Sn 189.927	504.6	0.276415	mg/L	0.0023537	0.276415	mg/L	0.0023537	0.85%
Ti 334.940	420596.5	2.71822	mg/L	0.014835	2.71822	mg/L	0.014835	0.55%
V 292.402	9140.6	0.206988	mg/L	0.0002584	0.206988	mg/L	0.0002584	0.12%
Zn 206.200	27697.4	1.88420	mg/L	0.003424	1.88420	mg/L	0.003424	0.18%

Sequence No.: 32
Sample ID: 56476-004
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 12/27/2010 3:30:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56476-004

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	547042.5	76.3710	mg/L	0.94916	76.3710	mg/L	0.94916	1.24%
Sb 206.836	-22.8	0.0040132	mg/L	0.00068645	0.0040132	mg/L	0.00068645	17.10%
As 188.979	31.3	0.0348338	mg/L	0.00057733	0.0348338	mg/L	0.00057733	1.66%
Ba 233.527	12113.0	0.513470	mg/L	0.0028578	0.513470	mg/L	0.0028578	0.56%
Be 234.861	-8672.9	0.0047399	mg/L	0.00045002	0.0047399	mg/L	0.00045002	9.49%
Cd 226.502	293.1	-0.0005188	mg/L	0.00007806	-0.0005188	mg/L	0.00007806	15.05%
Ca 315.887	491860.7	22.0526	mg/L	0.03545	22.0526	mg/L	0.03545	0.16%
Cr 206.158	799.3	0.117789	mg/L	0.0065775	0.117789	mg/L	0.0065775	5.58%
Co 228.616	633.3	0.0434318	mg/L	0.00060740	0.0434318	mg/L	0.00060740	1.40%
Cu 324.752	16431.0	0.175871	mg/L	0.0009881	0.175871	mg/L	0.0009881	0.56%
Fe 273.955	971556.4	110.897	mg/L	0.6295	110.897	mg/L	0.6295	0.57%
Pb 220.353	8845.3	2.82605	mg/L	0.018109	2.82605	mg/L	0.018109	0.64%
Mg 279.077	124014.3	18.8511	mg/L	0.03694	18.8511	mg/L	0.03694	0.20%
Mn 257.610	411981.5	2.23360	mg/L	0.011955	2.23360	mg/L	0.011955	0.54%
Mo 202.031	12.6	0.0055611	mg/L	0.00011137	0.0055611	mg/L	0.00011137	2.00%
Ni 231.604	1158.5	0.0708968	mg/L	0.00011175	0.0708968	mg/L	0.00011175	0.16%
Se 196.026	40.6	0.0114361	mg/L	0.00359724	0.0114361	mg/L	0.00359724	31.46%
Ag 328.068	-312.3	-0.0012186	mg/L	0.00022985	-0.0012186	mg/L	0.00022985	18.86%
Na 330.237	-553.9	-0.803230	mg/L	0.0032753	-0.803230	mg/L	0.0032753	0.41%
Tl 190.801	-51.4	-0.0060300	mg/L	0.00475898	-0.0060300	mg/L	0.00475898	78.92%
Sn 189.927	85.7	0.0444368	mg/L	0.00099921	0.0444368	mg/L	0.00099921	2.25%
Ti 334.940	375444.3	2.42641	mg/L	0.011464	2.42641	mg/L	0.011464	0.47%
V 292.402	9333.7	0.215378	mg/L	0.0020208	0.215378	mg/L	0.0020208	0.94%
Zn 206.200	9280.8	0.628522	mg/L	0.0001915	0.628522	mg/L	0.0001915	0.03%

Sequence No.: 33
Sample ID: 56476-005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 12/27/2010 3:33:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56476-005

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	182738.5	25.5096	mg/L	0.37088	25.5096	mg/L	0.37088	1.45%
Sb 206.836	-6.9	0.0012920	mg/L	0.00265637	0.0012920	mg/L	0.00265637	205.61%
As 188.979	25.0	0.0259171	mg/L	0.00051073	0.0259171	mg/L	0.00051073	1.97%
Ba 233.527	3982.2	0.167534	mg/L	0.0003306	0.167534	mg/L	0.0003306	0.20%
Be 234.861	-4668.8	0.0042799	mg/L	0.00041245	0.0042799	mg/L	0.00041245	9.64%
Cd 226.502	183.3	-0.0000482	mg/L	0.00014922	-0.0000482	mg/L	0.00014922	309.86%
Ca 315.887	235754.3	10.3783	mg/L	0.08982	10.3783	mg/L	0.08982	0.87%
Cr 206.158	423.9	0.0608123	mg/L	0.00060442	0.0608123	mg/L	0.00060442	0.99%
Co 228.616	601.9	0.0417059	mg/L	0.00044573	0.0417059	mg/L	0.00044573	1.07%
Cu 324.752	10836.9	0.115829	mg/L	0.0018430	0.115829	mg/L	0.0018430	1.59%
Fe 273.955	579055.9	66.0719	mg/L	0.42841	66.0719	mg/L	0.42841	0.65%
Pb 220.353	334.9	0.107824	mg/L	0.0002735	0.107824	mg/L	0.0002735	0.25%
Mg 279.077	80469.8	12.2320	mg/L	0.14282	12.2320	mg/L	0.14282	1.17%
Mn 257.610	130605.7	0.709427	mg/L	0.0051055	0.709427	mg/L	0.0051055	0.72%
Mo 202.031	-4.1	0.0001420	mg/L	0.00006812	0.0001420	mg/L	0.00006812	47.96%
Ni 231.604	802.6	0.0494521	mg/L	0.00036173	0.0494521	mg/L	0.00036173	0.73%
Se 196.026	14.1	-0.0001049	mg/L	0.00289103	-0.0001049	mg/L	0.00289103	>999.9%
Ag 328.068	-279.9	-0.0023201	mg/L	0.00058377	-0.0023201	mg/L	0.00058377	25.16%
Na 330.237	-493.0	-0.633176	mg/L	0.0497972	-0.633176	mg/L	0.0497972	7.86%
Tl 190.801	-39.2	-0.0064393	mg/L	0.00362280	-0.0064393	mg/L	0.00362280	56.26%
Sn 189.927	28.1	0.0131544	mg/L	0.00084052	0.0131544	mg/L	0.00084052	6.39%
Ti 334.940	301452.7	1.94822	mg/L	0.025035	1.94822	mg/L	0.025035	1.29%
V 292.402	4435.5	0.0998669	mg/L	0.00012483	0.0998669	mg/L	0.00012483	0.12%
Zn 206.200	5277.1	0.355678	mg/L	0.0008390	0.355678	mg/L	0.0008390	0.24%

Sequence No.: 34
Sample ID: 56478-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 12/27/2010 3:36:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-001

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	223642.0	31.2202	mg/L	0.03764	31.2202	mg/L	0.03764	0.12%
Sb 206.836	-13.0	-0.0023562	mg/L	0.00169062	-0.0023562	mg/L	0.00169062	71.75%
As 188.979	12.3	0.0131739	mg/L	0.00288303	0.0131739	mg/L	0.00288303	21.88%
Ba 233.527	4634.6	0.195078	mg/L	0.0009166	0.195078	mg/L	0.0009166	0.47%
Be 234.861	-5449.0	0.0043393	mg/L	0.00053561	0.0043393	mg/L	0.00053561	12.34%
Cd 226.502	246.9	0.0011361	mg/L	0.00003342	0.0011361	mg/L	0.00003342	2.94%
Ca 315.887	212689.2	9.32692	mg/L	0.048987	9.32692	mg/L	0.048987	0.53%
Cr 206.158	537.7	0.0772786	mg/L	0.00080351	0.0772786	mg/L	0.00080351	1.04%
Co 228.616	660.7	0.0464820	mg/L	0.00010226	0.0464820	mg/L	0.00010226	0.22%
Cu 324.752	9238.3	0.0986875	mg/L	0.00092426	0.0986875	mg/L	0.00092426	0.94%
Fe 273.955	654565.2	74.6954	mg/L	0.15074	74.6954	mg/L	0.15074	0.20%
Pb 220.353	247.8	0.0804546	mg/L	0.00054990	0.0804546	mg/L	0.00054990	0.68%
Mg 279.077	85652.5	13.0198	mg/L	0.04032	13.0198	mg/L	0.04032	0.31%
Mn 257.610	285131.4	1.54576	mg/L	0.000761	1.54576	mg/L	0.000761	0.05%
Mo 202.031	-10.2	-0.0001758	mg/L	0.00024680	-0.0001758	mg/L	0.00024680	140.36%
Ni 231.604	1213.2	0.0755548	mg/L	0.00017125	0.0755548	mg/L	0.00017125	0.23%
Se 196.026	15.4	0.0002791	mg/L	0.00071035	0.0002791	mg/L	0.00071035	254.48%
Ag 328.068	-260.3	-0.0017456	mg/L	0.00051308	-0.0017456	mg/L	0.00051308	29.39%
Na 330.237	-477.4	-0.589575	mg/L	0.0176246	-0.589575	mg/L	0.0176246	2.99%
Tl 190.801	-40.0	-0.0041458	mg/L	0.00666864	-0.0041458	mg/L	0.00666864	160.85%
Sn 189.927	42.5	0.0208022	mg/L	0.00076301	0.0208022	mg/L	0.00076301	3.67%
Ti 334.940	313801.7	2.02803	mg/L	0.000139	2.02803	mg/L	0.000139	0.01%
V 292.402	5472.7	0.124531	mg/L	0.0000163	0.124531	mg/L	0.0000163	0.01%
Zn 206.200	4744.1	0.319303	mg/L	0.0000247	0.319303	mg/L	0.0000247	0.01%

Sequence No.: 35
Sample ID: 56478-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 12/27/2010 3:39:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-002

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	644960.9	90.0414	mg/L	1.47871	90.0414	mg/L	1.47871	1.64%
Sb 206.836	-28.9	0.0076062	mg/L	0.00376689	0.0076062	mg/L	0.00376689	49.52%
As 188.979	16.4	0.0260633	mg/L	0.00082773	0.0260633	mg/L	0.00082773	3.18%
Ba 233.527	10851.4	0.460466	mg/L	0.0050661	0.460466	mg/L	0.0050661	1.10%
Be 234.861	-7426.7	0.0022913	mg/L	0.00003936	0.0022913	mg/L	0.00003936	1.72%
Cd 226.502	291.1	0.0013057	mg/L	0.00007947	0.0013057	mg/L	0.00007947	6.09%
Ca 315.887	7281652.7	331.557	mg/L	1.3231	331.557	mg/L	1.3231	0.40%
Cr 206.158	1116.3	0.165295	mg/L	0.0008789	0.165295	mg/L	0.0008789	0.53%
Co 228.616	584.3	0.0390085	mg/L	0.00033201	0.0390085	mg/L	0.00033201	0.85%
Cu 324.752	32102.7	0.336894	mg/L	0.0069789	0.336894	mg/L	0.0069789	2.07%
Fe 273.955	774903.4	88.4386	mg/L	0.97977	88.4386	mg/L	0.97977	1.11%
Pb 220.353	2358.8	0.767171	mg/L	0.0022896	0.767171	mg/L	0.0022896	0.30%
Mg 279.077	174889.5	26.5844	mg/L	0.29982	26.5844	mg/L	0.29982	1.13%
Mn 257.610	360909.3	1.95609	mg/L	0.018134	1.95609	mg/L	0.018134	0.93%
Mo 202.031	132.5	0.0210024	mg/L	0.00024146	0.0210024	mg/L	0.00024146	1.15%
Ni 231.604	1430.7	0.0890942	mg/L	0.00007523	0.0890942	mg/L	0.00007523	0.08%
Se 196.026	104.6	0.0096376	mg/L	0.00271275	0.0096376	mg/L	0.00271275	28.15%
Ag 328.068	-474.2	0.0012729	mg/L	0.00084711	0.0012729	mg/L	0.00084711	66.55%
Na 330.237	846.8	3.11114	mg/L	0.113799	3.11114	mg/L	0.113799	3.66%
Tl 190.801	-54.3	-0.0098327	mg/L	0.00388919	-0.0098327	mg/L	0.00388919	39.55%
Sn 189.927	57.6	0.0422082	mg/L	0.00263973	0.0422082	mg/L	0.00263973	6.25%
Ti 334.940	403234.4	2.60601	mg/L	0.032002	2.60601	mg/L	0.032002	1.23%
V 292.402	9618.2	0.219623	mg/L	0.0019295	0.219623	mg/L	0.0019295	0.88%
Zn 206.200	10722.0	0.726567	mg/L	0.0116746	0.726567	mg/L	0.0116746	1.61%

Sequence No.: 36
Sample ID: 56478-003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 12/27/2010 3:43:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-003

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	785452.2	109.656	mg/L	1.1551	109.656	mg/L	1.1551	1.05%
Sb 206.836	-27.6	0.0128843	mg/L	0.00388899	0.0128843	mg/L	0.00388899	30.18%
As 188.979	26.0	0.0374705	mg/L	0.00217144	0.0374705	mg/L	0.00217144	5.80%
Ba 233.527	9974.9	0.418434	mg/L	0.0021136	0.418434	mg/L	0.0021136	0.51%
Be 234.861	-14801.5	0.0094161	mg/L	0.00169719	0.0094161	mg/L	0.00169719	18.02%
Cd 226.502	507.5	-0.0010768	mg/L	0.00011707	-0.0010768	mg/L	0.00011707	10.87%
Ca 315.887	542807.7	24.3749	mg/L	0.23810	24.3749	mg/L	0.23810	0.98%
Cr 206.158	1137.1	0.170108	mg/L	0.0006094	0.170108	mg/L	0.0006094	0.36%
Co 228.616	1782.7	0.141385	mg/L	0.0009341	0.141385	mg/L	0.0009341	0.66%
Cu 324.752	35513.1	0.380772	mg/L	0.0008214	0.380772	mg/L	0.0008214	0.22%
Fe 273.955	1700574.5	194.154	mg/L	1.4938	194.154	mg/L	1.4938	0.77%
Pb 220.353	862.4	0.281253	mg/L	0.0009907	0.281253	mg/L	0.0009907	0.35%
Mg 279.077	456380.7	69.3731	mg/L	0.90447	69.3731	mg/L	0.90447	1.30%
Mn 257.610	254260.5	1.38353	mg/L	0.013816	1.38353	mg/L	0.013816	1.00%
Mo 202.031	-2.6	0.0075303	mg/L	0.00030051	0.0075303	mg/L	0.00030051	3.99%
Ni 231.604	1888.0	0.115109	mg/L	0.0006020	0.115109	mg/L	0.0006020	0.52%
Se 196.026	30.9	0.0008665	mg/L	0.00023966	0.0008665	mg/L	0.00023966	27.66%
Ag 328.068	-662.8	-0.0043093	mg/L	0.00042453	-0.0043093	mg/L	0.00042453	9.85%
Na 330.237	-960.1	-1.93839	mg/L	0.064976	-1.93839	mg/L	0.064976	3.35%
Tl 190.801	-47.6	-0.0204547	mg/L	0.00142309	-0.0204547	mg/L	0.00142309	6.96%
Sn 189.927	39.4	0.0200751	mg/L	0.00136493	0.0200751	mg/L	0.00136493	6.80%
Ti 334.940	241423.2	1.56026	mg/L	0.003119	1.56026	mg/L	0.003119	0.20%
V 292.402	20562.7	0.467727	mg/L	0.0013379	0.467727	mg/L	0.0013379	0.29%
Zn 206.200	14484.3	0.981775	mg/L	0.0068423	0.981775	mg/L	0.0068423	0.70%

Sequence No.: 37
Sample ID: CCV V-102763
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/27/2010 3:46:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-102763

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	35231.0	4.90658	mg/L	0.036382	4.90658	mg/L	0.036382	0.74%
QC value within limits for Al 308.215 Recovery = 98.13%								
Sb 206.836	537.9	0.509800	mg/L	0.0043994	0.509800	mg/L	0.0043994	0.86%
QC value within limits for Sb 206.836 Recovery = 101.96%								
As 188.979	488.9	0.507010	mg/L	0.0017370	0.507010	mg/L	0.0017370	0.34%
QC value within limits for As 188.979 Recovery = 101.40%								
Ba 233.527	11826.8	0.506087	mg/L	0.0033226	0.506087	mg/L	0.0033226	0.66%
QC value within limits for Ba 233.527 Recovery = 101.22%								
Be 234.861	169623.5	0.496893	mg/L	0.0034590	0.496893	mg/L	0.0034590	0.70%
QC value within limits for Be 234.861 Recovery = 99.38%								
Cd 226.502	16967.2	0.508420	mg/L	0.0035786	0.508420	mg/L	0.0035786	0.70%
QC value within limits for Cd 226.502 Recovery = 101.68%								
Ca 315.887	1095196.8	49.5549	mg/L	0.39121	49.5549	mg/L	0.39121	0.79%
QC value within limits for Ca 315.887 Recovery = 99.11%								
Cr 206.158	3478.9	0.514634	mg/L	0.0000326	0.514634	mg/L	0.0000326	0.01%
QC value within limits for Cr 206.158 Recovery = 102.93%								
Co 228.616	6191.8	0.513430	mg/L	0.0009079	0.513430	mg/L	0.0009079	0.18%
QC value within limits for Co 228.616 Recovery = 102.69%								
Cu 324.752	46060.8	0.492944	mg/L	0.0024227	0.492944	mg/L	0.0024227	0.49%
QC value within limits for Cu 324.752 Recovery = 98.59%								
Fe 273.955	44496.0	5.02275	mg/L	0.016439	5.02275	mg/L	0.016439	0.33%
QC value within limits for Fe 273.955 Recovery = 100.45%								
Pb 220.353	1538.6	0.491850	mg/L	0.0000700	0.491850	mg/L	0.0000700	0.01%
QC value within limits for Pb 220.353 Recovery = 98.37%								
Mg 279.077	326986.2	49.7042	mg/L	0.39461	49.7042	mg/L	0.39461	0.79%
QC value within limits for Mg 279.077 Recovery = 99.41%								
Mn 257.610	94697.9	0.511627	mg/L	0.0005723	0.511627	mg/L	0.0005723	0.11%
QC value within limits for Mn 257.610 Recovery = 102.33%								
Mo 202.031	3773.9	0.494493	mg/L	0.0003438	0.494493	mg/L	0.0003438	0.07%
QC value within limits for Mo 202.031 Recovery = 98.90%								
Ni 231.604	7882.8	0.506369	mg/L	0.0003411	0.506369	mg/L	0.0003411	0.07%
QC value within limits for Ni 231.604 Recovery = 101.27%								
Se 196.026	850.1	0.502960	mg/L	0.0020316	0.502960	mg/L	0.0020316	0.40%
QC value within limits for Se 196.026 Recovery = 100.59%								
Ag 328.068	6190.0	0.102783	mg/L	0.0012714	0.102783	mg/L	0.0012714	1.24%
QC value within limits for Ag 328.068 Recovery = 102.78%								
Na 330.237	16391.6	46.5521	mg/L	0.17487	46.5521	mg/L	0.17487	0.38%
QC value within limits for Na 330.237 Recovery = 93.10%								
Tl 190.801	360.8	0.564188	mg/L	0.0031730	0.564188	mg/L	0.0031730	0.56%
QC value greater than the upper limit for Tl 190.801 Recovery = 112.84%								
Sn 189.927	962.4	0.512377	mg/L	0.0022568	0.512377	mg/L	0.0022568	0.44%
QC value within limits for Sn 189.927 Recovery = 102.48%								
Ti 334.940	74375.4	0.480671	mg/L	0.0031598	0.480671	mg/L	0.0031598	0.66%
QC value within limits for Ti 334.940 Recovery = 96.13%								
V 292.402	20451.5	0.475643	mg/L	0.0014589	0.475643	mg/L	0.0014589	0.31%
QC value within limits for V 292.402 Recovery = 95.13%								
Zn 206.200	7498.9	0.506000	mg/L	0.0004502	0.506000	mg/L	0.0004502	0.09%
QC value within limits for Zn 206.200 Recovery = 101.20%								

QC Failed. Continue with analysis.

Sequence No.: 38
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/27/2010 3:49:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	112.1	0.0125783	mg/L	0.00681891	0.0125783	mg/L	0.00681891	54.21%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-0.1	-0.0037070	mg/L	0.00012883	-0.0037070	mg/L	0.00012883	3.48%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-0.8	-0.0008180	mg/L	0.00067462	-0.0008180	mg/L	0.00067462	82.47%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	4.0	0.0001709	mg/L	0.00015006	0.0001709	mg/L	0.00015006	87.83%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	15.0	0.0000353	mg/L	0.00000203	0.0000353	mg/L	0.00000203	5.74%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	4.1	0.0001250	mg/L	0.00019138	0.0001250	mg/L	0.00019138	153.05%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	130.8	-0.362288	mg/L	0.0023809	-0.362288	mg/L	0.0023809	0.66%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	-1.8	-0.0046105	mg/L	0.00093075	-0.0046105	mg/L	0.00093075	20.19%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	3.4	-0.0048539	mg/L	0.00075322	-0.0048539	mg/L	0.00075322	15.52%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	388.1	0.0030561	mg/L	0.00020549	0.0030561	mg/L	0.00020549	6.72%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	252.3	-0.0300783	mg/L	0.00949249	-0.0300783	mg/L	0.00949249	31.56%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-4.8	-0.0024010	mg/L	0.00259130	-0.0024010	mg/L	0.00259130	107.93%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	133.2	0.0202525	mg/L	0.05202432	0.0202525	mg/L	0.05202432	256.88%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	24.3	0.0001296	mg/L	0.00011360	0.0001296	mg/L	0.00011360	87.64%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-3.2	-0.0028580	mg/L	0.00051411	-0.0028580	mg/L	0.00051411	17.99%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	2.8	0.0001823	mg/L	0.00023182	0.0001823	mg/L	0.00023182	127.15%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	6.8	0.0005508	mg/L	0.00371020	0.0005508	mg/L	0.00371020	673.63%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-6.7	-0.0001178	mg/L	0.00072747	-0.0001178	mg/L	0.00072747	617.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-61.7	0.572204	mg/L	0.0177658	0.572204	mg/L	0.0177658	3.10%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	-1.7	-0.0075451	mg/L	0.00177597	-0.0075451	mg/L	0.00177597	23.54%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	1.5	-0.0025680	mg/L	0.00121839	-0.0025680	mg/L	0.00121839	47.44%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	90.1	0.0005824	mg/L	0.00041806	0.0005824	mg/L	0.00041806	71.78%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	16.7	-0.0021343	mg/L	0.00050295	-0.0021343	mg/L	0.00050295	23.56%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	122.3	0.0045152	mg/L	0.00049053	0.0045152	mg/L	0.00049053	10.86%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 39
Sample ID: 56478-004
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 12/27/2010 3:52:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-004

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	204696.0	28.5751	mg/L	0.51401	28.5751	mg/L	0.51401	1.80%
Sb 206.836	-8.4	-0.0000993	mg/L	0.00054068	-0.0000993	mg/L	0.00054068	544.30%
As 188.979	33.9	0.0358996	mg/L	0.00064441	0.0358996	mg/L	0.00064441	1.80%
Ba 233.527	12540.3	0.534461	mg/L	0.0034758	0.534461	mg/L	0.0034758	0.65%
Be 234.861	-3303.7	0.0032150	mg/L	0.00008697	0.0032150	mg/L	0.00008697	2.71%
Cd 226.502	126.2	-0.0001975	mg/L	0.00013546	-0.0001975	mg/L	0.00013546	68.58%
Ca 315.887	453279.7	20.2939	mg/L	0.11343	20.2939	mg/L	0.11343	0.56%
Cr 206.158	488.2	0.0702229	mg/L	0.00083129	0.0702229	mg/L	0.00083129	1.18%
Co 228.616	468.0	0.0317842	mg/L	0.00000974	0.0317842	mg/L	0.00000974	0.03%
Cu 324.752	14967.0	0.159774	mg/L	0.0035000	0.159774	mg/L	0.0035000	2.19%
Fe 273.955	415916.9	47.4407	mg/L	0.64865	47.4407	mg/L	0.64865	1.37%
Pb 220.353	913.6	0.293246	mg/L	0.0002329	0.293246	mg/L	0.0002329	0.08%
Mg 279.077	60773.1	9.23794	mg/L	0.068422	9.23794	mg/L	0.068422	0.74%
Mn 257.610	184616.6	1.00079	mg/L	0.014486	1.00079	mg/L	0.014486	1.45%
Mo 202.031	8.4	0.0012475	mg/L	0.00026948	0.0012475	mg/L	0.00026948	21.60%
Ni 231.604	687.3	0.0426421	mg/L	0.00001810	0.0426421	mg/L	0.00001810	0.04%
Se 196.026	21.3	0.0038168	mg/L	0.00139799	0.0038168	mg/L	0.00139799	36.63%
Ag 328.068	-201.1	-0.0014244	mg/L	0.00016584	-0.0014244	mg/L	0.00016584	11.64%
Na 330.237	-322.9	-0.157561	mg/L	0.0169273	-0.157561	mg/L	0.0169273	10.74%
Tl 190.801	-28.0	-0.0092322	mg/L	0.00390628	-0.0092322	mg/L	0.00390628	42.31%
Sn 189.927	51.0	0.0253320	mg/L	0.00136614	0.0253320	mg/L	0.00136614	5.39%
Ti 334.940	193164.6	1.24838	mg/L	0.008067	1.24838	mg/L	0.008067	0.65%
V 292.402	4425.4	0.100686	mg/L	0.0003095	0.100686	mg/L	0.0003095	0.31%
Zn 206.200	5167.7	0.348315	mg/L	0.0004438	0.348315	mg/L	0.0004438	0.13%

Sequence No.: 40
Sample ID: 56478-005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 12/27/2010 3:55:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-005

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	613093.6	85.5927	mg/L	0.71879	85.5927	mg/L	0.71879	0.84%
Sb 206.836	-26.9	0.0086155	mg/L	0.00586796	0.0086155	mg/L	0.00586796	68.11%
As 188.979	43.7	0.0382635	mg/L	0.00309153	0.0382635	mg/L	0.00309153	8.08%
Ba 233.527	19587.4	0.828742	mg/L	0.0029047	0.828742	mg/L	0.0029047	0.35%
Be 234.861	-16595.1	0.0100604	mg/L	0.00082967	0.0100604	mg/L	0.00082967	8.25%
Cd 226.502	636.1	0.0009597	mg/L	0.00018927	0.0009597	mg/L	0.00018927	19.72%
Ca 315.887	843374.0	38.0759	mg/L	0.03849	38.0759	mg/L	0.03849	0.10%
Cr 206.158	1368.8	0.203840	mg/L	0.0026456	0.203840	mg/L	0.0026456	1.30%
Co 228.616	1934.5	0.140470	mg/L	0.0010769	0.140470	mg/L	0.0010769	0.77%
Cu 324.752	36923.5	0.398065	mg/L	0.0010672	0.398065	mg/L	0.0010672	0.27%
Fe 273.955	1890552.5	215.851	mg/L	1.3150	215.851	mg/L	1.3150	0.61%
Pb 220.353	179.8	0.0649414	mg/L	0.00264942	0.0649414	mg/L	0.00264942	4.08%
Mg 279.077	351653.2	53.4538	mg/L	0.15903	53.4538	mg/L	0.15903	0.30%
Mn 257.610	516942.0	2.80560	mg/L	0.019215	2.80560	mg/L	0.019215	0.68%
Mo 202.031	-24.8	0.0045671	mg/L	0.00038349	0.0045671	mg/L	0.00038349	8.40%
Ni 231.604	1369.0	0.0810914	mg/L	0.00061565	0.0810914	mg/L	0.00061565	0.76%
Se 196.026	37.8	0.0019766	mg/L	0.00494587	0.0019766	mg/L	0.00494587	250.22%
Ag 328.068	-682.3	-0.0036863	mg/L	0.00017187	-0.0036863	mg/L	0.00017187	4.66%
Na 330.237	-1418.0	-3.21803	mg/L	0.258265	-3.21803	mg/L	0.258265	8.03%
Tl 190.801	-176.6	-0.0120935	mg/L	0.00806110	-0.0120935	mg/L	0.00806110	66.66%
Sn 189.927	37.2	0.0231682	mg/L	0.00165184	0.0231682	mg/L	0.00165184	7.13%
Ti 334.940	1381155.3	8.92608	mg/L	0.005610	8.92608	mg/L	0.005610	0.06%
V 292.402	17558.8	0.401039	mg/L	0.0008282	0.401039	mg/L	0.0008282	0.21%
Zn 206.200	12788.3	0.866619	mg/L	0.0054944	0.866619	mg/L	0.0054944	0.63%

Sequence No.: 41
Sample ID: 56478-006
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 12/27/2010 3:58:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-006

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	503131.2	70.2404	mg/L	0.03535	70.2404	mg/L	0.03535	0.05%
Sb 206.836	-19.8	0.0051995	mg/L	0.00194072	0.0051995	mg/L	0.00194072	37.33%
As 188.979	27.4	0.0308921	mg/L	0.00563745	0.0308921	mg/L	0.00563745	18.25%
Ba 233.527	9247.9	0.390730	mg/L	0.0010032	0.390730	mg/L	0.0010032	0.26%
Be 234.861	-8348.9	0.0067326	mg/L	0.00005828	0.0067326	mg/L	0.00005828	0.87%
Cd 226.502	317.7	-0.0001037	mg/L	0.00013449	-0.0001037	mg/L	0.00013449	129.73%
Ca 315.887	410834.1	18.3591	mg/L	0.06464	18.3591	mg/L	0.06464	0.35%
Cr 206.158	895.9	0.133359	mg/L	0.0039456	0.133359	mg/L	0.0039456	2.96%
Co 228.616	607.5	0.0412133	mg/L	0.00070466	0.0412133	mg/L	0.00070466	1.71%
Cu 324.752	19315.7	0.206999	mg/L	0.0020134	0.206999	mg/L	0.0020134	0.97%
Fe 273.955	1005342.4	114.756	mg/L	0.5803	114.756	mg/L	0.5803	0.51%
Pb 220.353	1294.6	0.417921	mg/L	0.0011058	0.417921	mg/L	0.0011058	0.26%
Mg 279.077	107866.6	16.3965	mg/L	0.11243	16.3965	mg/L	0.11243	0.69%
Mn 257.610	263938.8	1.43297	mg/L	0.004971	1.43297	mg/L	0.004971	0.35%
Mo 202.031	9.3	0.0050558	mg/L	0.00025983	0.0050558	mg/L	0.00025983	5.14%
Ni 231.604	1123.4	0.0685161	mg/L	0.00030786	0.0685161	mg/L	0.00030786	0.45%
Se 196.026	30.9	0.0059643	mg/L	0.00035426	0.0059643	mg/L	0.00035426	5.94%
Ag 328.068	-384.2	-0.0023481	mg/L	0.00022111	-0.0023481	mg/L	0.00022111	9.42%
Na 330.237	-802.5	-1.49784	mg/L	0.023658	-1.49784	mg/L	0.023658	1.58%
Tl 190.801	-49.6	-0.0033753	mg/L	0.00327932	-0.0033753	mg/L	0.00327932	97.16%
Sn 189.927	50.7	0.0256647	mg/L	0.00205172	0.0256647	mg/L	0.00205172	7.99%
Ti 334.940	379870.6	2.45501	mg/L	0.000419	2.45501	mg/L	0.000419	0.02%
V 292.402	7498.8	0.172100	mg/L	0.0008123	0.172100	mg/L	0.0008123	0.47%
Zn 206.200	11475.2	0.778260	mg/L	0.0040564	0.778260	mg/L	0.0040564	0.52%

Sequence No.: 42
Sample ID: 56478-007
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 12/27/2010 4:01:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-007

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	528774.4	73.8206	mg/L	1.24439	73.8206	mg/L	1.24439	1.69%
Sb 206.836	-23.0	0.0045138	mg/L	0.00626096	0.0045138	mg/L	0.00626096	138.71%
As 188.979	40.2	0.0455658	mg/L	0.00117785	0.0455658	mg/L	0.00117785	2.58%
Ba 233.527	13984.2	0.592774	mg/L	0.0059856	0.592774	mg/L	0.0059856	1.01%
Be 234.861	-9535.7	0.0069572	mg/L	0.00026200	0.0069572	mg/L	0.00026200	3.77%
Cd 226.502	355.0	-0.0001283	mg/L	0.00021314	-0.0001283	mg/L	0.00021314	166.13%
Ca 315.887	1006028.4	45.4903	mg/L	0.32336	45.4903	mg/L	0.32336	0.71%
Cr 206.158	910.1	0.135397	mg/L	0.0012945	0.135397	mg/L	0.0012945	0.96%
Co 228.616	807.9	0.0577747	mg/L	0.00019935	0.0577747	mg/L	0.00019935	0.35%
Cu 324.752	22976.1	0.245750	mg/L	0.0027175	0.245750	mg/L	0.0027175	1.11%
Fe 273.955	1124528.2	128.367	mg/L	0.9926	128.367	mg/L	0.9926	0.77%
Pb 220.353	2240.4	0.719920	mg/L	0.0064639	0.719920	mg/L	0.0064639	0.90%
Mg 279.077	145621.2	22.1354	mg/L	0.08090	22.1354	mg/L	0.08090	0.37%
Mn 257.610	426706.1	2.31403	mg/L	0.023391	2.31403	mg/L	0.023391	1.01%
Mo 202.031	-1.3	0.0042432	mg/L	0.00052922	0.0042432	mg/L	0.00052922	12.47%
Ni 231.604	1383.0	0.0847627	mg/L	0.00035052	0.0847627	mg/L	0.00035052	0.41%
Se 196.026	48.6	0.0123357	mg/L	0.00215282	0.0123357	mg/L	0.00215282	17.45%
Ag 328.068	-399.2	-0.0016514	mg/L	0.00019789	-0.0016514	mg/L	0.00019789	11.98%
Na 330.237	-552.3	-0.798743	mg/L	0.0312750	-0.798743	mg/L	0.0312750	3.92%
Tl 190.801	-53.5	-0.0045941	mg/L	0.00230164	-0.0045941	mg/L	0.00230164	50.10%
Sn 189.927	107.7	0.0572692	mg/L	0.00212985	0.0572692	mg/L	0.00212985	3.72%
Ti 334.940	400265.6	2.58682	mg/L	0.033847	2.58682	mg/L	0.033847	1.31%
V 292.402	10122.5	0.233185	mg/L	0.0025493	0.233185	mg/L	0.0025493	1.09%
Zn 206.200	11452.4	0.776521	mg/L	0.0002400	0.776521	mg/L	0.0002400	0.03%

Sequence No.: 43
Sample ID: 56478-008
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 12/27/2010 4:04:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56478-008

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	180970.7	25.2628	mg/L	0.29901	25.2628	mg/L	0.29901	1.18%
Sb 206.836	-8.2	0.0001701	mg/L	0.00352319	0.0001701	mg/L	0.00352319	>999.9%
As 188.979	18.1	0.0194908	mg/L	0.00073773	0.0194908	mg/L	0.00073773	3.79%
Ba 233.527	4648.7	0.195941	mg/L	0.0003761	0.195941	mg/L	0.0003761	0.19%
Be 234.861	-4539.3	0.0053559	mg/L	0.00068191	0.0053559	mg/L	0.00068191	12.73%
Cd 226.502	203.0	0.0003251	mg/L	0.00004160	0.0003251	mg/L	0.00004160	12.80%
Ca 315.887	223939.0	9.83972	mg/L	0.017841	9.83972	mg/L	0.017841	0.18%
Cr 206.158	466.0	0.0676329	mg/L	0.00152775	0.0676329	mg/L	0.00152775	2.26%
Co 228.616	466.4	0.0307551	mg/L	0.00041828	0.0307551	mg/L	0.00041828	1.36%
Cu 324.752	12249.4	0.130960	mg/L	0.0010280	0.130960	mg/L	0.0010280	0.78%
Fe 273.955	601584.2	68.6448	mg/L	0.56298	68.6448	mg/L	0.56298	0.82%
Pb 220.353	360.6	0.115735	mg/L	0.0002120	0.115735	mg/L	0.0002120	0.18%
Mg 279.077	85376.2	12.9778	mg/L	0.01420	12.9778	mg/L	0.01420	0.11%
Mn 257.610	133797.5	0.726812	mg/L	0.0053094	0.726812	mg/L	0.0053094	0.73%
Mo 202.031	-0.3	0.0007271	mg/L	0.00010938	0.0007271	mg/L	0.00010938	15.04%
Ni 231.604	690.8	0.0421917	mg/L	0.00034693	0.0421917	mg/L	0.00034693	0.82%
Se 196.026	16.8	0.0014505	mg/L	0.00510369	0.0014505	mg/L	0.00510369	351.86%
Ag 328.068	-260.5	-0.0019297	mg/L	0.00020124	-0.0019297	mg/L	0.00020124	10.43%
Na 330.237	-510.1	-0.680934	mg/L	0.0118553	-0.680934	mg/L	0.0118553	1.74%
Tl 190.801	-34.7	-0.0057486	mg/L	0.00009631	-0.0057486	mg/L	0.00009631	1.68%
Sn 189.927	30.6	0.0143745	mg/L	0.00035367	0.0143745	mg/L	0.00035367	2.46%
Ti 334.940	266851.2	1.72460	mg/L	0.010335	1.72460	mg/L	0.010335	0.60%
V 292.402	4724.7	0.106565	mg/L	0.0000178	0.106565	mg/L	0.0000178	0.02%
Zn 206.200	6383.7	0.431129	mg/L	0.0004782	0.431129	mg/L	0.0004782	0.11%

Sequence No.: 44
Sample ID: 56477-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 12/27/2010 4:07:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56477-001

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	352087.6	49.1527	mg/L	0.35177	49.1527	mg/L	0.35177	0.72%
Sb 206.836	-6.0	0.0211122	mg/L	0.00303230	0.0211122	mg/L	0.00303230	14.36%
As 188.979	48.4	0.0648343	mg/L	0.00513355	0.0648343	mg/L	0.00513355	7.92%
Ba 233.527	20572.8	0.870667	mg/L	0.0057797	0.870667	mg/L	0.0057797	0.66%
Be 234.861	-18333.7	0.0065112	mg/L	0.00183799	0.0065112	mg/L	0.00183799	28.23%
Cd 226.502	1090.8	0.0141223	mg/L	0.00018278	0.0141223	mg/L	0.00018278	1.29%
Ca 315.887	2724981.5	123.847	mg/L	0.0975	123.847	mg/L	0.0975	0.08%
Cr 206.158	852.6	0.157339	mg/L	0.0035133	0.157339	mg/L	0.0035133	2.23%
Co 228.616	730.7	0.0522215	mg/L	0.00000218	0.0522215	mg/L	0.00000218	0.00%
Cu 324.752	128773.2	1.38160	mg/L	0.005031	1.38160	mg/L	0.005031	0.36%
Fe 273.955	1939875.4	221.484	mg/L	0.3898	221.484	mg/L	0.3898	0.18%
Pb 220.353	12258.0	3.90751	mg/L	0.002717	3.90751	mg/L	0.002717	0.07%
Mg 279.077	104613.8	15.9020	mg/L	0.10453	15.9020	mg/L	0.10453	0.66%
Mn 257.610	445689.5	2.42134	mg/L	0.001947	2.42134	mg/L	0.001947	0.08%
Mo 202.031	85.0	0.0180174	mg/L	0.00040761	0.0180174	mg/L	0.00040761	2.26%
Ni 231.604	4114.9	0.257283	mg/L	0.0009946	0.257283	mg/L	0.0009946	0.39%
Se 196.026	94.0	0.0252367	mg/L	0.00312798	0.0252367	mg/L	0.00312798	12.39%
Ag 328.068	-602.9	-0.0005808	mg/L	0.00023823	-0.0005808	mg/L	0.00023823	41.02%
Na 330.237	-4143.2	-10.8339	mg/L	0.04799	-10.8339	mg/L	0.04799	0.44%
Tl 190.801	-38.1	0.0053857	mg/L	0.00617550	0.0053857	mg/L	0.00617550	114.66%
Sn 189.927	1234.1	0.660288	mg/L	0.0046391	0.660288	mg/L	0.0046391	0.70%
Ti 334.940	320289.7	2.06996	mg/L	0.009263	2.06996	mg/L	0.009263	0.45%
V 292.402	6274.0	0.142888	mg/L	0.0035027	0.142888	mg/L	0.0035027	2.45%
Zn 206.200	67403.9	4.59266	mg/L	0.014323	4.59266	mg/L	0.014323	0.31%

Sequence No.: 45
Sample ID: ICSA V-102257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/27/2010 4:10:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-102257

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	3102507.8	433.147	mg/L	0.6653	433.147	mg/L	0.6653	0.15%
QC value within limits for Al 308.215 Recovery = 86.63%								
Sb 206.836	-131.8	0.0054145	mg/L	0.00022129	0.0054145	mg/L	0.00022129	4.09%
As 188.979	-18.9	0.0010034	mg/L	0.00386064	0.0010034	mg/L	0.00386064	384.76%
Ba 233.527	280.7	0.0048524	mg/L	0.00042579	0.0048524	mg/L	0.00042579	8.77%
Be 234.861	-16003.7	-0.0014507	mg/L	0.00212981	-0.0014507	mg/L	0.00212981	146.81%
Cd 226.502	509.6	0.0012604	mg/L	0.00026797	0.0012604	mg/L	0.00026797	21.26%
Ca 315.887	9436529.3	429.784	mg/L	2.4160	429.784	mg/L	2.4160	0.56%
QC value within limits for Ca 315.887 Recovery = 85.96%								
Cr 206.158	22.5	-0.0070936	mg/L	0.00039308	-0.0070936	mg/L	0.00039308	5.54%
Co 228.616	-43.2	-0.0088300	mg/L	0.00025890	-0.0088300	mg/L	0.00025890	2.93%
Cu 324.752	1361.8	0.0029876	mg/L	0.00016669	0.0029876	mg/L	0.00016669	5.58%
Fe 273.955	1463151.0	167.040	mg/L	0.1133	167.040	mg/L	0.1133	0.07%
QC value within limits for Fe 273.955 Recovery = 83.52%								
Pb 220.353	-173.6	0.0005060	mg/L	0.00027504	0.0005060	mg/L	0.00027504	54.36%
Mg 279.077	2999077.6	455.881	mg/L	0.1318	455.881	mg/L	0.1318	0.03%
QC value within limits for Mg 279.077 Recovery = 91.18%								
Mn 257.610	-2628.4	-0.0142551	mg/L	0.00011783	-0.0142551	mg/L	0.00011783	0.83%
Saturated outside survey window (code 6)								
Mo 202.031	-126.7	0.0008286	mg/L	0.00018377	0.0008286	mg/L	0.00018377	22.18%
Ni 231.604	148.4	0.0042349	mg/L	0.00038990	0.0042349	mg/L	0.00038990	9.21%
Se 196.026	123.5	-0.0005426	mg/L	0.00341849	-0.0005426	mg/L	0.00341849	629.97%
Ag 328.068	-795.1	0.0003376	mg/L	0.00004997	0.0003376	mg/L	0.00004997	14.80%
Na 330.237	-63.0	0.568742	mg/L	0.0345653	0.568742	mg/L	0.0345653	6.08%
Tl 190.801	-15.4	-0.0026679	mg/L	0.00346456	-0.0026679	mg/L	0.00346456	129.86%
Sn 189.927	-30.3	0.0031055	mg/L	0.00037151	0.0031055	mg/L	0.00037151	11.96%
Ti 334.940	-255.4	-0.0016504	mg/L	0.00011811	-0.0016504	mg/L	0.00011811	7.16%
V 292.402	7266.4	0.0121144	mg/L	0.00008470	0.0121144	mg/L	0.00008470	0.70%
Zn 206.200	423.7	0.0103709	mg/L	0.00380062	0.0103709	mg/L	0.00380062	36.65%

All analyte(s) passed QC.

Sequence No.: 46
Sample ID: ICSAB V-102798
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/27/2010 4:15:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-102798

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3276696.8	457.466	mg/L	5.4047	457.466	mg/L	5.4047	1.18%
QC value within limits for Al 308.215 Recovery = 91.49%								
Sb 206.836	906.2	0.986998	mg/L	0.0002457	0.986998	mg/L	0.0002457	0.02%
QC value within limits for Sb 206.836 Recovery = 98.70%								
As 188.979	935.1	0.990390	mg/L	0.0053106	0.990390	mg/L	0.0053106	0.54%
QC value within limits for As 188.979 Recovery = 99.04%								
Ba 233.527	10986.0	0.462660	mg/L	0.0008542	0.462660	mg/L	0.0008542	0.18%
QC value within limits for Ba 233.527 Recovery = 92.53%								
Be 234.861	152789.4	0.492734	mg/L	0.0011080	0.492734	mg/L	0.0011080	0.22%
QC value within limits for Be 234.861 Recovery = 98.55%								
Cd 226.502	31178.5	0.920665	mg/L	0.0062850	0.920665	mg/L	0.0062850	0.68%
QC value within limits for Cd 226.502 Recovery = 92.07%								
Ca 315.887	9577056.6	436.190	mg/L	0.7596	436.190	mg/L	0.7596	0.17%
QC value within limits for Ca 315.887 Recovery = 87.24%								
Cr 206.158	3230.6	0.474486	mg/L	0.0020272	0.474486	mg/L	0.0020272	0.43%
QC value within limits for Cr 206.158 Recovery = 94.90%								
Co 228.616	5412.2	0.448633	mg/L	0.0024151	0.448633	mg/L	0.0024151	0.54%
QC value within limits for Co 228.616 Recovery = 89.73%								
Cu 324.752	47389.8	0.497905	mg/L	0.0051261	0.497905	mg/L	0.0051261	1.03%
QC value within limits for Cu 324.752 Recovery = 99.58%								
Fe 273.955	1499813.1	171.227	mg/L	0.2399	171.227	mg/L	0.2399	0.14%
QC value within limits for Fe 273.955 Recovery = 85.61%								
Pb 220.353	2692.9	0.917390	mg/L	0.0017938	0.917390	mg/L	0.0017938	0.20%
QC value within limits for Pb 220.353 Recovery = 91.74%								
Mg 279.077	3160411.5	480.405	mg/L	2.6058	480.405	mg/L	2.6058	0.54%
QC value within limits for Mg 279.077 Recovery = 96.08%								
Mn 257.610	84091.8	0.454639	mg/L	0.0024554	0.454639	mg/L	0.0024554	0.54%
QC value within limits for Mn 257.610 Recovery = 90.93%								
Mo 202.031	-124.7	0.0020299	mg/L	0.00058068	0.0020299	mg/L	0.00058068	28.61%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	14086.4	0.899305	mg/L	0.0020497	0.899305	mg/L	0.0020497	0.23%
QC value within limits for Ni 231.604 Recovery = 89.93%								
Se 196.026	1648.7	0.919387	mg/L	0.0035201	0.919387	mg/L	0.0035201	0.38%
QC value within limits for Se 196.026 Recovery = 91.94%								
Ag 328.068	65430.8	1.08852	mg/L	0.007937	1.08852	mg/L	0.007937	0.73%
QC value within limits for Ag 328.068 Recovery = 108.85%								
Na 330.237	-1025.6	-2.12142	mg/L	0.039818	-2.12142	mg/L	0.039818	1.88%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	591.4	0.933681	mg/L	0.0009365	0.933681	mg/L	0.0009365	0.10%
QC value within limits for Tl 190.801 Recovery = 93.37%								
Sn 189.927	-35.6	0.0007964	mg/L	0.00062642	0.0007964	mg/L	0.00062642	78.65%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-295.0	-0.0019063	mg/L	0.00005821	-0.0019063	mg/L	0.00005821	3.05%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	25082.8	0.432057	mg/L	0.0026428	0.432057	mg/L	0.0026428	0.61%
QC value within limits for V 292.402 Recovery = 86.41%								
Zn 206.200	13639.8	0.910933	mg/L	0.0018762	0.910933	mg/L	0.0018762	0.21%
QC value within limits for Zn 206.200 Recovery = 91.09%								

QC Failed. Continue with analysis.

Sequence No.: 47
Sample ID: CCV V-102763
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/27/2010 4:19:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-102763

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	35236.1	4.90738	mg/L	0.037435	4.90738	mg/L	0.037435	0.76%
QC value within limits for Al 308.215 Recovery = 98.15%								
Sb 206.836	535.7	0.507715	mg/L	0.0002798	0.507715	mg/L	0.0002798	0.06%
QC value within limits for Sb 206.836 Recovery = 101.54%								
As 188.979	491.8	0.510073	mg/L	0.0007806	0.510073	mg/L	0.0007806	0.15%
QC value within limits for As 188.979 Recovery = 102.01%								
Ba 233.527	11690.8	0.500265	mg/L	0.0039494	0.500265	mg/L	0.0039494	0.79%
QC value within limits for Ba 233.527 Recovery = 100.05%								
Be 234.861	169068.9	0.495268	mg/L	0.0044263	0.495268	mg/L	0.0044263	0.89%
QC value within limits for Be 234.861 Recovery = 99.05%								
Cd 226.502	16990.1	0.509110	mg/L	0.0042488	0.509110	mg/L	0.0042488	0.83%
QC value within limits for Cd 226.502 Recovery = 101.82%								
Ca 315.887	1090410.4	49.3367	mg/L	0.07335	49.3367	mg/L	0.07335	0.15%
QC value within limits for Ca 315.887 Recovery = 98.67%								
Cr 206.158	3498.9	0.517601	mg/L	0.0006278	0.517601	mg/L	0.0006278	0.12%
QC value within limits for Cr 206.158 Recovery = 103.52%								
Co 228.616	6195.6	0.513765	mg/L	0.0000173	0.513765	mg/L	0.0000173	0.00%
QC value within limits for Co 228.616 Recovery = 102.75%								
Cu 324.752	45978.9	0.492069	mg/L	0.0075475	0.492069	mg/L	0.0075475	1.53%
QC value within limits for Cu 324.752 Recovery = 98.41%								
Fe 273.955	44354.1	5.00655	mg/L	0.002274	5.00655	mg/L	0.002274	0.05%
QC value within limits for Fe 273.955 Recovery = 100.13%								
Pb 220.353	1526.9	0.488091	mg/L	0.0019002	0.488091	mg/L	0.0019002	0.39%
QC value within limits for Pb 220.353 Recovery = 97.62%								
Mg 279.077	328356.7	49.9125	mg/L	0.06900	49.9125	mg/L	0.06900	0.14%
QC value within limits for Mg 279.077 Recovery = 99.83%								
Mn 257.610	95250.5	0.514612	mg/L	0.0004110	0.514612	mg/L	0.0004110	0.08%
QC value within limits for Mn 257.610 Recovery = 102.92%								
Mo 202.031	3733.5	0.489173	mg/L	0.0004305	0.489173	mg/L	0.0004305	0.09%
QC value within limits for Mo 202.031 Recovery = 97.83%								
Ni 231.604	7759.9	0.498468	mg/L	0.0052163	0.498468	mg/L	0.0052163	1.05%
QC value within limits for Ni 231.604 Recovery = 99.69%								
Se 196.026	844.9	0.499837	mg/L	0.0049199	0.499837	mg/L	0.0049199	0.98%
QC value within limits for Se 196.026 Recovery = 99.97%								
Ag 328.068	6226.5	0.103377	mg/L	0.0017097	0.103377	mg/L	0.0017097	1.65%
QC value within limits for Ag 328.068 Recovery = 103.38%								
Na 330.237	16438.0	46.6818	mg/L	0.72326	46.6818	mg/L	0.72326	1.55%
QC value within limits for Na 330.237 Recovery = 93.36%								
Tl 190.801	366.4	0.572658	mg/L	0.0032701	0.572658	mg/L	0.0032701	0.57%
QC value greater than the upper limit for Tl 190.801 Recovery = 114.53%								
Sn 189.927	961.5	0.511859	mg/L	0.0046848	0.511859	mg/L	0.0046848	0.92%
QC value within limits for Sn 189.927 Recovery = 102.37%								
Ti 334.940	72952.1	0.471472	mg/L	0.0075016	0.471472	mg/L	0.0075016	1.59%
QC value within limits for Ti 334.940 Recovery = 94.29%								
V 292.402	20116.0	0.467460	mg/L	0.0035952	0.467460	mg/L	0.0035952	0.77%
QC value within limits for V 292.402 Recovery = 93.49%								
Zn 206.200	7505.4	0.506439	mg/L	0.0003776	0.506439	mg/L	0.0003776	0.07%
QC value within limits for Zn 206.200 Recovery = 101.29%								

QC Failed. Continue with analysis.

Sequence No.: 48
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/27/2010 4:22:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	118.2	0.0134230	mg/L	0.00213696	0.0134230	mg/L	0.00213696	15.92%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	0.7	-0.0029512	mg/L	0.00019213	-0.0029512	mg/L	0.00019213	6.51%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-1.9	-0.0019575	mg/L	0.00171784	-0.0019575	mg/L	0.00171784	87.76%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	0.7	0.0000295	mg/L	0.00001236	0.0000295	mg/L	0.00001236	41.89%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	18.8	0.0000433	mg/L	0.00000547	0.0000433	mg/L	0.00000547	12.62%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	3.9	0.0001199	mg/L	0.00003765	0.0001199	mg/L	0.00003765	31.40%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	537.9	-0.343734	mg/L	0.0084519	-0.343734	mg/L	0.0084519	2.46%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	-2.0	-0.0046313	mg/L	0.00051218	-0.0046313	mg/L	0.00051218	11.06%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	3.3	-0.0048549	mg/L	0.00029839	-0.0048549	mg/L	0.00029839	6.15%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	483.0	0.0040758	mg/L	0.00002295	0.0040758	mg/L	0.00002295	0.56%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	150.9	-0.0416663	mg/L	0.00051453	-0.0416663	mg/L	0.00051453	1.23%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	4.1	0.0004330	mg/L	0.00043989	0.0004330	mg/L	0.00043989	101.60%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	130.6	0.0198569	mg/L	0.00364346	0.0198569	mg/L	0.00364346	18.35%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	-25.6	-0.0001408	mg/L	0.00001848	-0.0001408	mg/L	0.00001848	13.13%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	-0.3	-0.0024729	mg/L	0.00015684	-0.0024729	mg/L	0.00015684	6.34%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	5.3	0.0003376	mg/L	0.00021527	0.0003376	mg/L	0.00021527	63.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	0.7	-0.0031585	mg/L	0.00222905	-0.0031585	mg/L	0.00222905	70.57%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	8.1	0.0001245	mg/L	0.00003877	0.0001245	mg/L	0.00003877	31.15%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-17.5	0.695763	mg/L	0.0371788	0.695763	mg/L	0.0371788	5.34%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	1.4	-0.0028782	mg/L	0.00260790	-0.0028782	mg/L	0.00260790	90.61%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	-2.7	-0.0047948	mg/L	0.00011161	-0.0047948	mg/L	0.00011161	2.33%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-35.8	-0.0002313	mg/L	0.00003206	-0.0002313	mg/L	0.00003206	13.86%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	-19.7	-0.0030069	mg/L	0.00044004	-0.0030069	mg/L	0.00044004	14.63%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	137.7	0.0055661	mg/L	0.00055882	0.0055661	mg/L	0.00055882	10.04%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Method: HGCV2 Soil (7471A) Page 1 Date: 12/23/2010 12:20:22 PM

1st Rev. Analyst 12/23/10 V-104638

Analysis Begun

Logged In Analyst: johns
Spectrometer Model: FIMS-100, S/N B050-9550
Technique: AA FIMS-MHS
Autosampler Model: AS-90

12/29/10

Sample Information File: C:\data-AA\johns\Sample Information\H12188S.sif
Batch ID: H12188S
Results Data Set: H12188S
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 Soil (7471A)
Method Last Saved: 3/18/2010 3:54:43 PM
Method Description: HgCV2 Soil (7471A)

Sequence No.: 1
Sample ID: Calibration Blank
Analyst:
Autosampler Location: 1
Date Collected: 12/23/2010 12:15:44 PM
Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0000	-0.0014	0.0000	12:16:29	Yes
2		[0.00]	0.0000	-0.0013	0.0000	12:17:01	Yes
Mean:		[0.00]	0.0000				
SD:		0.00	0.0000				
%RSD:		0.00	116.20				

Auto-zero performed.

Sequence No.: 2
Sample ID: .2 PPB
Analyst:
Autosampler Location: 2
Date Collected: 12/23/2010 12:17:02 PM
Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0010	0.0022	0.0010	12:17:46	Yes
2		[0.2]	0.0011	0.0047	0.0012	12:18:19	Yes
Mean:		[0.2]	0.0011				
SD:		0.0	0.0001				
%RSD:		0.0	10.92				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00531 Intercept: 0.00000

Sequence No.: 3
Sample ID: .5 PPB
Analyst:
Autosampler Location: 3
Date Collected: 12/23/2010 12:18:20 PM
Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0033	0.0121	0.0033	12:19:03	Yes
2		[0.5]	0.0032	0.0096	0.0032	12:19:35	Yes
Mean:		[0.5]	0.0032				
SD:		0.0	0.0001				
%RSD:		0.0	2.79				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.996896 Slope: 0.00649 Intercept: -0.00009

Sequence No.: 4
Sample ID: 1 PPB
Analyst:
Autosampler Location: 4
Date Collected: 12/23/2010 12:19:37 PM
Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0066	0.0214	0.0066	12:20:20	Yes
2	[1]	0.0067	0.0226	0.0067	12:20:53	Yes
Mean:	[1]	0.0066				
SD:	0	0.0000				
%RSD:	0	0.44				

Standard number 3 applied. [1]
Correlation Coef.: 0.999173 Slope: 0.00673 Intercept: -0.00013

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 12/23/2010 12:20:54 PM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0135	0.0439	0.0136	12:21:38	Yes
2		[2]	0.0136	0.0435	0.0136	12:22:10	Yes
Mean:		[2]	0.0136				
SD:		0	0.0000				
%RSD:		0	0.32				

Standard number 4 applied. [2]
Correlation Coef.: 0.999776 Slope: 0.00685 Intercept: -0.00017

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 12/23/2010 12:22:11 PM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0332	0.1074	0.0332	12:22:55	Yes
2		[5]	0.0335	0.1093	0.0335	12:23:27	Yes
Mean:		[5]	0.0333				
SD:		0	0.0002				
%RSD:		0	0.60				

Standard number 5 applied. [5]
Correlation Coef.: 0.999924 Slope: 0.00670 Intercept: -0.00008

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 12/23/2010 12:23:28 PM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0656	0.2116	0.0656	12:24:12	Yes
2		[10]	0.0661	0.2143	0.0661	12:24:44	Yes
Mean:		[10]	0.0658				
SD:		0	0.0003				
%RSD:		0	0.48				

Standard number 6 applied. [10]
Correlation Coef.: 0.999951 Slope: 0.00660 Intercept: 0.00003

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 12/23/2010 12:24:45 PM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1613	0.5273	0.1613	12:25:29	Yes
2		[25]	0.1616	0.5235	0.1616	12:26:01	Yes
Mean:		[25]	0.1614				
SD:		0	0.0002				
%RSD:		0	0.15				

Standard number 7 applied. [25]
Correlation Coef.: 0.999950 Slope: 0.00646 Intercept: 0.00033

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.051	0.00	116.2
.2 PPB	0.0011	0.2	0.114	0.00	10.9
.5 PPB	0.0032	0.5	0.447	0.00	2.8
1 PPB	0.0066	1.0	0.976	0.00	0.4
2 PPB	0.0136	2.0	2.049	0.00	0.3
5 PPB	0.0333	5.0	5.106	0.00	0.6
10 PPB	0.0658	10.0	10.135	0.00	0.5
25 PPB	0.1614	25.0	24.923	0.00	0.1

Correlation Coef.: 0.999950 Slope: 0.00646 Intercept: 0.00033

Sequence No.: 9 **Autosampler Location: 10**
Sample ID: ICV (2) **Date Collected: 12/23/2010 12:26:03 PM**
Analyst: **Data Type: Original**

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.38	20.38	0.1321	0.4282	0.1321	12:26:49	Yes
2	20.51	20.51	0.1329	0.4293	0.1329	12:27:21	Yes
Mean:	20.45	20.45	0.1325				
SD:	0.096	0.096	0.0006				
%RSD:	0.468	0.468	0.47				

QC value within limits for Hg 253.7 Recovery = 102.23%
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 12/23/2010 12:27:23 PM**
Analyst: **Data Type: Original**

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.053	-0.053	-0.0000	-0.0011	-0.0000	12:28:07	Yes
2	-0.055	-0.055	-0.0000	-0.0027	-0.0000	12:28:39	Yes
Mean:	-0.054	-0.054	-0.0000				
SD:	0.001	0.001	0.0000				
%RSD:	2.283	2.283	34.52				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 11**
Sample ID: MB 3190 (167) **Date Collected: 12/23/2010 12:28:41 PM**
Analyst: **Data Type: Original**

Replicate Data: MB 3190 (167)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.056	-0.056	-0.0000	-0.0021	-0.0000	12:29:25	Yes
2	-0.040	-0.040	0.0001	-0.0003	0.0001	12:29:57	Yes
Mean:	-0.048	-0.048	0.0000				
SD:	0.011	0.011	0.0001				
%RSD:	23.73	23.73	384.93				

Sequence No.: 12 **Autosampler Location: 12**
Sample ID: LCS **Date Collected: 12/23/2010 12:29:59 PM**
Analyst: **Data Type: Original**

Replicate Data: LCS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	22.33	22.33	0.1447	0.4679	0.1447	12:30:42	Yes
2	22.01	22.01	0.1426	0.4618	0.1426	12:31:15	Yes
Mean:	22.17	22.17	0.1436				

SD:	0.230	0.230	0.0015
%RSD:	1.039	1.039	1.04

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCS MR Date Collected: 12/23/2010 12:31:16 PM
Analyst: Data Type: Original

Replicate Data: LCS MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	22.72	22.72	0.1472	0.4770	0.1472	12:32:00	Yes
2	22.80	22.80	0.1477	0.4782	0.1477	12:32:32	Yes
Mean:	22.76	22.76	0.1474				
SD:	0.055	0.055	0.0004				
%RSD:	0.243	0.243	0.24				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 56477-002 Date Collected: 12/23/2010 12:32:33 PM
Analyst: Data Type: Original

Replicate Data: 56477-002

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.056	-0.056	-0.0000	-0.0017	-0.0000	12:33:17	Yes
2	-0.051	-0.051	0.0000	-0.0006	0.0000	12:33:49	Yes
Mean:	-0.053	-0.053	-0.0000				
SD:	0.004	0.004	0.0000				
%RSD:	7.576	7.576	147.01				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 56477-002 MR Date Collected: 12/23/2010 12:33:50 PM
Analyst: Data Type: Original

Replicate Data: 56477-002 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	0.0000	-0.0001	0.0001	12:34:34	Yes
2	-0.050	-0.050	0.0000	-0.0006	0.0000	12:35:06	Yes
Mean:	-0.047	-0.047	0.0000				
SD:	0.004	0.004	0.0000				
%RSD:	8.860	8.860	129.51				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 56477-002 MS 1 Date Collected: 12/23/2010 12:35:07 PM
Analyst: Data Type: Original

Replicate Data: 56477-002 MS 1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.31	10.31	0.0670	0.2152	0.0670	12:35:51	Yes
2	10.20	10.20	0.0663	0.2147	0.0663	12:36:23	Yes
Mean:	10.26	10.26	0.0666				
SD:	0.077	0.077	0.0005				
%RSD:	0.746	0.746	0.74				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 56477-002 MS 2 Date Collected: 12/23/2010 12:36:25 PM
Analyst: Data Type: Original

Replicate Data: 56477-002 MS 2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.29	10.29	0.0668	0.2143	0.0668	12:37:08	Yes
2	10.35	10.35	0.0672	0.2137	0.0673	12:37:41	Yes
Mean:	10.32	10.32	0.0670				
SD:	0.047	0.047	0.0003				

%RSD: 0.453 0.453 0.45

Sequence No.: 18 Autosampler Location: 18
Sample ID: 56478-001 Date Collected: 12/23/2010 12:37:42 PM
Analyst: Data Type: Original

Replicate Data: 56478-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.053	-0.053	-0.0000	-0.0011	-0.0000	12:38:26	Yes
2	-0.037	-0.037	0.0001	0.0003	0.0001	12:38:58	Yes
Mean:	-0.045	-0.045	0.0000				
SD:	0.011	0.011	0.0001				
%RSD:	24.82	24.82	206.56				

Sequence No.: 19 Autosampler Location: 19
Sample ID: 56478-002 Date Collected: 12/23/2010 12:38:59 PM
Analyst: Data Type: Original

Replicate Data: 56478-002

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.536	0.536	0.0038	0.0112	0.0038	12:39:46	Yes
2	0.538	0.538	0.0038	0.0120	0.0038	12:40:19	Yes
Mean:	0.537	0.537	0.0038				
SD:	0.001	0.001	0.0000				
%RSD:	0.170	0.170	0.16				

Sequence No.: 20 Autosampler Location: 20
Sample ID: 56478-003 Date Collected: 12/23/2010 12:40:20 PM
Analyst: Data Type: Original

Replicate Data: 56478-003

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.053	-0.053	-0.0000	-0.0007	-0.0000	12:41:04	Yes
2	-0.058	-0.058	-0.0000	-0.0016	-0.0000	12:41:36	Yes
Mean:	-0.056	-0.056	-0.0000				
SD:	0.004	0.004	0.0000				
%RSD:	6.970	6.970	78.95				

Sequence No.: 21 Autosampler Location: 9
Sample ID: CCV Date Collected: 12/23/2010 12:41:38 PM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.40	10.40	0.0675	0.2177	0.0675	12:42:22	Yes
2	10.52	10.52	0.0683	0.2211	0.0683	12:42:54	Yes
Mean:	10.46	10.46	0.0679				
SD:	0.087	0.087	0.0006				
%RSD:	0.827	0.827	0.82				

QC value within limits for Hg 253.7 Recovery = 104.58%
All analyte(s) passed QC.

Sequence No.: 22 Autosampler Location: 1
Sample ID: CCB Date Collected: 12/23/2010 12:42:55 PM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	0.0000	-0.0011	0.0000	12:43:39	Yes
2	-0.043	-0.043	0.0000	-0.0008	0.0001	12:44:12	Yes
Mean:	-0.045	-0.045	0.0000				

SD:	0.002	0.002	0.0000
%RSD:	4.443	4.443	33.75

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 23 Autosampler Location: 21
Sample ID: 56478-004 Date Collected: 12/23/2010 12:44:13 PM
Analyst: Data Type: Original

Replicate Data: 56478-004

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.357	0.357	0.0026	0.0083	0.0026	12:44:58	Yes
2	0.375	0.375	0.0028	0.0095	0.0028	12:45:31	Yes
Mean:	0.366	0.366	0.0027				
SD:	0.013	0.013	0.0001				
%RSD:	3.436	3.436	3.02				

Sequence No.: 24 Autosampler Location: 22
Sample ID: 56478-005 Date Collected: 12/23/2010 12:45:32 PM
Analyst: Data Type: Original

Replicate Data: 56478-005

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0000	-0.0021	-0.0000	12:46:15	Yes
2	-0.033	-0.033	0.0001	0.0003	0.0001	12:46:48	Yes
Mean:	-0.043	-0.043	0.0000				
SD:	0.015	0.015	0.0001				
%RSD:	33.64	33.64	202.48				

Sequence No.: 25 Autosampler Location: 23
Sample ID: 56478-006 Date Collected: 12/23/2010 12:46:49 PM
Analyst: Data Type: Original

Replicate Data: 56478-006

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.325	0.325	0.0024	0.0060	0.0024	12:47:32	Yes
2	0.330	0.330	0.0025	0.0072	0.0025	12:48:05	Yes
Mean:	0.328	0.328	0.0024				
SD:	0.003	0.003	0.0000				
%RSD:	1.058	1.058	0.92				

Sequence No.: 26 Autosampler Location: 24
Sample ID: 56478-007 Date Collected: 12/23/2010 12:48:06 PM
Analyst: Data Type: Original

Replicate Data: 56478-007

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.680	1.680	0.0112	0.0369	0.0112	12:48:50	Yes
2	1.654	1.654	0.0110	0.0351	0.0110	12:49:22	Yes
Mean:	1.667	1.667	0.0111				
SD:	0.018	0.018	0.0001				
%RSD:	1.099	1.099	1.07				

Sequence No.: 27 Autosampler Location: 25
Sample ID: 56478-008 Date Collected: 12/23/2010 12:49:23 PM
Analyst: Data Type: Original

Replicate Data: 56478-008

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.045	-0.045	0.0000	-0.0004	0.0001	12:50:07	Yes
2	-0.056	-0.056	-0.0000	-0.0025	-0.0000	12:50:39	Yes

Mean:	-0.050	-0.050	0.0000
SD:	0.008	0.008	0.0001
%RSD:	16.04	16.04	>999.9%

Sequence No.: 28
Sample ID: 56477-001
Analyst:

Autosampler Location: 26
Date Collected: 12/23/2010 12:50:41 PM
Data Type: Original

Replicate Data: 56477-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.394	2.394	0.0158	0.0514	0.0158	12:51:24	Yes
2	2.394	2.394	0.0158	0.0520	0.0158	12:51:56	Yes
Mean:	2.394	2.394	0.0158				
SD:	0.001	0.001	0.0000				
%RSD:	0.025	0.025	0.02				

Sequence No.: 29
Sample ID: 56476-001
Analyst:

Autosampler Location: 27
Date Collected: 12/23/2010 12:51:58 PM
Data Type: Original

Replicate Data: 56476-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	12.84	12.84	0.0833	0.2704	0.0834	12:52:41	Yes
2	12.83	12.83	0.0833	0.2697	0.0833	12:53:14	Yes
Mean:	12.84	12.84	0.0833				
SD:	0.007	0.007	0.0000				
%RSD:	0.058	0.058	0.06				

Sequence No.: 30
Sample ID: 56476-002
Analyst:

Autosampler Location: 28
Date Collected: 12/23/2010 12:53:15 PM
Data Type: Original

Replicate Data: 56476-002

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	0.0000	-0.0009	0.0000	12:54:01	Yes
2	-0.058	-0.058	-0.0000	-0.0014	-0.0000	12:54:34	Yes
Mean:	-0.053	-0.053	-0.0000				
SD:	0.006	0.006	0.0000				
%RSD:	11.52	11.52	228.40				

Sequence No.: 31
Sample ID: 56476-003
Analyst:

Autosampler Location: 29
Date Collected: 12/23/2010 12:54:35 PM
Data Type: Original

Replicate Data: 56476-003

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.422	2.422	0.0160	0.0517	0.0160	12:55:19	Yes
2	2.426	2.426	0.0160	0.0510	0.0160	12:55:51	Yes
Mean:	2.424	2.424	0.0160				
SD:	0.003	0.003	0.0000				
%RSD:	0.137	0.137	0.13				

Sequence No.: 32
Sample ID: 56476-004
Analyst:

Autosampler Location: 30
Date Collected: 12/23/2010 12:55:52 PM
Data Type: Original

Replicate Data: 56476-004

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.833	0.833	0.0057	0.0182	0.0057	12:56:36	Yes
2	0.835	0.835	0.0057	0.0183	0.0057	12:57:08	Yes
Mean:	0.834	0.834	0.0057				

SD:	0.002	0.002	0.0000
%RSD:	0.194	0.194	0.18

Sequence No.: 33 Autosampler Location: 9
Sample ID: CCV Date Collected: 12/23/2010 12:57:10 PM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.41	10.41	0.0676	0.2182	0.0677	12:57:55	Yes
2	10.29	10.29	0.0669	0.2173	0.0669	12:58:27	Yes
Mean:	10.35	10.35	0.0673				
SD:	0.086	0.086	0.0006				
%RSD:	0.826	0.826	0.82				

QC value within limits for Hg 253.7 Recovery = 103.54%
All analyte(s) passed QC.

Sequence No.: 34 Autosampler Location: 1
Sample ID: CCB Date Collected: 12/23/2010 12:58:29 PM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	0.0000	-0.0011	0.0000	12:59:12	Yes
2	-0.057	-0.057	-0.0000	-0.0023	-0.0000	12:59:45	Yes
Mean:	-0.052	-0.052	-0.0000				
SD:	0.007	0.007	0.0000				
%RSD:	12.87	12.87	467.99				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 35 Autosampler Location: 31
Sample ID: 56476-005 Date Collected: 12/23/2010 12:59:46 PM
Analyst: Data Type: Original

Replicate Data: 56476-005

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.037	-0.037	0.0001	-0.0001	0.0001	13:00:32	Yes
2	-0.035	-0.035	0.0001	0.0003	0.0001	13:01:05	Yes
Mean:	-0.036	-0.036	0.0001				
SD:	0.002	0.002	0.0000				
%RSD:	4.508	4.508	11.27				

Sequence No.: 36 Autosampler Location: 32
Sample ID: 56492-001 Date Collected: 12/23/2010 1:01:06 PM
Analyst: Data Type: Original

Replicate Data: 56492-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.037	-0.037	0.0001	0.0002	0.0001	13:01:49	Yes
2	-0.055	-0.055	-0.0000	-0.0013	-0.0000	13:02:22	Yes
Mean:	-0.046	-0.046	0.0000				
SD:	0.012	0.012	0.0001				
%RSD:	26.74	26.74	261.17				

Sequence No.: 37 Autosampler Location: 33
Sample ID: 56495-001 Date Collected: 12/23/2010 1:02:23 PM
Analyst: Data Type: Original

Replicate Data: 56495-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.037	-0.037	0.0001	0.0002	0.0001	13:03:07	Yes
2	-0.039	-0.039	0.0001	0.0002	0.0001	13:03:39	Yes
Mean:	-0.038	-0.038	0.0001				
SD:	0.002	0.002	0.0000				
%RSD:	4.102	4.102	12.81				

Sequence No.: 38 **Autosampler Location: 34**
Sample ID: 56495-002 **Date Collected: 12/23/2010 1:03:41 PM**
Analyst: **Data Type: Original**

Replicate Data: 56495-002

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	-0.0021	0.0000	13:04:24	Yes
2	-0.021	-0.021	0.0002	0.0004	0.0002	13:04:57	Yes
Mean:	-0.035	-0.035	0.0001				
SD:	0.019	0.019	0.0001				
%RSD:	54.10	54.10	118.25				

Sequence No.: 39 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 12/23/2010 1:04:58 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.33	10.33	0.0671	0.2170	0.0671	13:05:45	Yes
2	10.37	10.37	0.0674	0.2187	0.0674	13:06:17	Yes
Mean:	10.35	10.35	0.0672				
SD:	0.027	0.027	0.0002				
%RSD:	0.263	0.263	0.26				

QC value within limits for Hg 253.7 Recovery = 103.51%
All analyte(s) passed QC.

Sequence No.: 40 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/23/2010 1:06:18 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0000	-0.0031	-0.0000	13:07:02	Yes
2	-0.053	-0.053	-0.0000	-0.0014	-0.0000	13:07:34	Yes
Mean:	-0.054	-0.054	-0.0000				
SD:	0.000	0.000	0.0000				
%RSD:	0.799	0.799	13.99				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Metal Data
Digestion Logbook Data

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A 3050B (6020) 200.2 OTHER _____

Batch No.: 12188 Analyst: OA

QC Number: 3190 Prep Date: 12/22/2010

Matrix: SOIL Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml				--	
LCS	0.5g					--	
LCSD						--	
1. 56477-002							
MR 56477-002							
MS 56477-002							
MSD 56477-002							
2. 56478-001							
3. 56478-002							
4. 56478-003							
5. 56478-004							
6. 56478-005							
7. 56478-006							
8. 56478-007							
9. 56478-008							
10. 56477-001							
11. 56476-001							
12. 56476-002							
13. 56476-003							
14. 56476-004							
15. 56476-005							
16. 56492-001							
17. 56495-001							
18. 56495-002							
19.							
20.							

Hot Plate Temperature: 92.9° C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5g	V- 5441
LLLCS, LLLCSD		V-
MS, MSD	0.5ml	V- 5401, 5402
LLMS, LLMSD		V-

Acid	Vol mL	Lot#
HNO_3	2.5	V- 5482
HCl	5.0	V- 5481
H_2O_2	1.5	V- 5477

Acid	Vol mL	Lot#
1:1 HNO_3	5.0	V- 104029
1:1 HCl		V-

Relinquished By OA Date 12/22/2010

Received By [signature] Date 12/23/10

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ANALYTICAL METHOD: 245.1 7470A (7471A) **OTHER**_____

Batch No.:* 12188 Analyst: DA

QC Number: 3190 Prep Date: 12/22/2010

Matrix: SOIL Review By: DA

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25ml	25ml	
LCS	0.15g		
LCSD			
1 56477-002			
MR 56477-002			
MS 56477-002			
MSD 56477-002			
2 56478-001			
3 56478-002			
4 56478-003			
5 56478-004			
6 56478-005			
7 56478-006			
8 56478-007			
9 56478-008			
10 56477-001			
11 56476-001			
12 56476-002			
13 56476-003			
14 56476-004			
15 56476-005			
16 56492-001			
17 56495-001			
18 56495-002			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 102819	HNO_3		V-
$K_2S_2O_8$: V-	HCl		V-
NH_2OH: V- 101766	H_2SO_4		V-
	Aqua Regia	1.25ml	V- 104600

**Block Temp.:	90.1 ° C
Time In Block:	18:35
Time Out of Block:	19:10
** Required range = 90-95° C	

Spike Volume & Lot #

☐ LCS V- 5441 (0.15g/0.25 ml)

☐ MS V- 104520 0.250 ml

☐ Standards/Control Batch B- 9361

Relinquished By: DA

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G

TestGroup: %SOLIDS

Project #: 0122205

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC56495-001	PJ Baseline-1	Soil	1	**88**	**Percent**			12/23/10	12/22/10	12/21/10
AC56495-002	PJ Baseline-2	Soil	1	**88**	**Percent**			12/23/10	12/22/10	12/21/10

Analysis Type: SOLIDS-S

Batch Number: SOLIDS-S-4803 **Units:** Percent

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC56516-002	NA	NA	5	93.1918656	NA	0.68	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC56516-002	DUP		93			93.192	1.04	12.35	11.58			12/23/10	jasmin
AC56492-001	Sample		88			87.573	1.05	12.96	11.48			12/23/10	jasmin
AC56495-001	Sample		88			87.645	1.05	12.22	10.84			12/23/10	jasmin
AC56495-002	Sample		88			87.801	1.05	12.69	11.27			12/23/10	jasmin
AC56496-001	Sample		92			91.899	1.05	12.53	11.6			12/23/10	jasmin
AC56496-002	Sample		91			90.901	1.05	12.04	11.04			12/23/10	jasmin
AC56496-003	Sample		87			86.786	1.05	12.25	10.77			12/23/10	jasmin
AC56496-004	Sample		89			89.318	1.05	12.19	11			12/23/10	jasmin
AC56496-005	Sample		89			88.598	1.06	12.90	11.55			12/23/10	jasmin
AC56496-006	Sample		84			84.287	1.04	12.75	10.91			12/23/10	jasmin
AC56501-001	Sample		85			84.595	1.04	12.27	10.54			12/23/10	jasmin
AC56516-002	Sample		94			93.827	1.04	12.38	11.68			12/23/10	jasmin
AC56516-003	Sample		92			92.368	1.05	12.58	11.70			12/23/10	jasmin
AC56516-004	Sample		92			91.63	1.05	12.28	11.34			12/23/10	jasmin
AC56516-005	Sample		91			90.988	1.04	12.58	11.54			12/23/10	jasmin
AC56516-006	Sample		92			92.301	1.04	12.47	11.59			12/23/10	jasmin
AC56516-007	Sample		92			92.477	1.04	12.87	11.98			12/23/10	jasmin
AC56516-008	Sample		92			92.287	1.03	12.31	11.44			12/23/10	jasmin
AC56516-009	Sample		92			92.321	1.04	12.37	11.5			12/23/10	jasmin
AC56516-010	Sample		93			92.945	1.05	12.39	11.59			12/23/10	jasmin
AC56516-011	Sample		93			92.97	1.06	12.44	11.64			12/23/10	jasmin

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.
Na - Not Applicable Nc - Not Checked ..either one or both values =ND

SPLP
GC/MS Volatile Data

SPLP
GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3M85897.D	DAILY BLANK	Aqueous	12/30/10 07:28	1		103	107	94	101		
3M85901.D	EF-SPLP FL-1	Aqueous	12/30/10 08:34	1		94	96	90	105		
3M85899.D	AC56495-001(	Aqueous	12/30/10 08:01	1		97	98	92	100		
3M85900.D	AC56495-002(	Aqueous	12/30/10 08:18	1		94	100	91	101		
3M85902.D	MBS5380	Aqueous	12/30/10 08:51	1		95	100	96	103		
3M85925.D	MBS5385	Aqueous	12/30/10 15:16	1		98	97	99	100		
3M85934.D	AC56495-002(	Aqueous	12/30/10 17:45	1		98	99	96	99		
3M85935.D	AC56495-002(	Aqueous	12/30/10 18:01	1		95	95	96	101		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

Form3
Recovery Data
QC Batch: MBS5380

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85902.D	MBS5380	12/30/2010 8:51:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	9.22	0	20	46	21	137
1,1-Dichloroethene	1	18.92	0	20	95	21	133
1,1-Dichloroethane	1	16.21	0	20	81	44	134
Chloroform	1	16.93	0	20	85	40	148
1,2-Dichloroethane	1	16.24	0	20	81	43	144
2-Butanone	1	14.29	0	20	71	25	157
Carbon Tetrachloride	1	17.77	0	20	89	42	146
Trichloroethene	1	19.23	0	20	96	46	127
Benzene	1	17.74	0	20	89	49	135
Tetrachloroethene	1	19.6	0	20	98	42	138
Toluene	1	17.67	0	20	88	53	129
Chlorobenzene	1	18.69	0	20	93	51	129
1,4-Dichlorobenzene	1	18.68	0	20	93	45	128
1,2-Dichlorobenzene	1	17.58	0	20	88	50	126
n-Propylbenzene	1	20.32	0	20	102	45	135
sec-Butylbenzene	1	19.23	0	20	96	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS5385

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85925.D	MBS5385	12/30/2010 3:16:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	10.82	0	20	54	21	137
1,1-Dichloroethene	1	19.22	0	20	96	21	133
1,1-Dichloroethane	1	15.32	0	20	77	44	134
Chloroform	1	16.65	0	20	83	40	148
1,2-Dichloroethane	1	15.58	0	20	78	43	144
2-Butanone	1	12.19	0	20	61	25	157
Carbon Tetrachloride	1	17.92	0	20	90	42	146
Trichloroethene	1	20.43	0	20	102	46	127
Benzene	1	17.24	0	20	86	49	135
Tetrachloroethene	1	19.82	0	20	99	42	138
Toluene	1	17.85	0	20	89	53	129
Chlorobenzene	1	18.4	0	20	92	51	129
1,4-Dichlorobenzene	1	18.12	0	20	91	45	128
1,2-Dichlorobenzene	1	17.43	0	20	87	50	126
n-Propylbenzene	1	19.32	0	20	97	45	135
sec-Butylbenzene	1	17.85	0	20	89	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS5385

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85934.D	AC56495-002(T:MS)	12/30/2010 5:45:00 PM
Non Spike(If applicable):	3M85900.D	AC56495-002(T)	12/30/2010 8:18:00 AM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.11	0	20	61	21	137
1,1-Dichloroethene	1	16.22	0	20	81	21	133
1,1-Dichloroethane	1	13.39	0	20	67	44	134
Chloroform	1	14.54	0	20	73	40	148
1,2-Dichloroethane	1	13.88	0	20	69	43	144
2-Butanone	1	10.99	0	20	55	25	157
Carbon Tetrachloride	1	14.94	0	20	75	42	146
Trichloroethene	1	19.24	0	20	96	46	127
Benzene	1	17.35	3.75	20	68	49	135
Tetrachloroethene	1	17.09	0	20	85	42	138
Toluene	1	23.25	12.58	20	53	53	129
Chlorobenzene	1	16.04	0	20	80	51	129
1,4-Dichlorobenzene	1	16.01	0	20	80	45	128
1,2-Dichlorobenzene	1	15.63	0	20	78	50	126
n-Propylbenzene	1	17.44	1.33	20	81	45	135
sec-Butylbenzene	1	16.1	0	20	80	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85935.D	AC56495-002(T:MSD)	12/30/2010 6:01:00 PM
Non Spike(If applicable):	3M85900.D	AC56495-002(T)	12/30/2010 8:18:00 AM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	11.37	0	20	57	21	137
1,1-Dichloroethene	1	15.11	0	20	76	21	133
1,1-Dichloroethane	1	13.36	0	20	67	44	134
Chloroform	1	14.3	0	20	72	40	148
1,2-Dichloroethane	1	14.07	0	20	70	43	144
2-Butanone	1	11.64	0	20	58	25	157
Carbon Tetrachloride	1	14.91	0	20	75	42	146
Trichloroethene	1	19.39	0	20	97	46	127
Benzene	1	16.95	3.75	20	66	49	135
Tetrachloroethene	1	16.39	0	20	82	42	138
Toluene	1	22.52	12.58	20	50*	53	129
Chlorobenzene	1	15.55	0	20	78	51	129
1,4-Dichlorobenzene	1	15.45	0	20	77	45	128
1,2-Dichlorobenzene	1	15.41	0	20	77	50	126
n-Propylbenzene	1	17.21	1.33	20	79	45	135
sec-Butylbenzene	1	16.46	0	20	82	43	123

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS5385

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85935.D	AC56495-002(T:MSD)	12/30/2010 6:01:00 PM
Duplicate(If applicable):	3M85934.D	AC56495-002(T:MS)	12/30/2010 5:45:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	11.37	12.11	6.3	30
1,1-Dichloroethene	1	15.11	16.22	7.1	34
1,1-Dichloroethane	1	13.36	13.39	0.22	30
Chloroform	1	14.3	14.54	1.7	37
1,2-Dichloroethane	1	14.07	13.88	1.4	34
2-Butanone	1	11.64	10.99	5.7	47
Carbon Tetrachloride	1	14.91	14.94	0.2	32
Trichloroethene	1	19.39	19.24	0.78	30
Benzene	1	16.95	17.35	2.3	29
Tetrachloroethene	1	16.39	17.09	4.2	27
Toluene	1	22.52	23.25	3.2	33
Chlorobenzene	1	15.55	16.04	3.1	30
1,4-Dichlorobenzene	1	15.45	16.01	3.6	30
1,2-Dichlorobenzene	1	15.41	15.63	1.4	34
n-Propylbenzene	1	17.21	17.44	1.3	32
sec-Butylbenzene	1	16.46	16.1	2.2	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M85897.D
Matrix: Aqueous

Blank Analysis Date: 12/30/10 07:28
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC56495-001(T)	3M85899.D	12/30/10 08:01
AC56495-002(T)	3M85900.D	12/30/10 08:18
EF-SPLP FL-1014(	3M85901.D	12/30/10 08:34
MBS5380	3M85902.D	12/30/10 08:51
AC56495-002(T:M	3M85935.D	12/30/10 18:01
AC56495-002(T:M	3M85934.D	12/30/10 17:45
MBS5385	3M85925.D	12/30/10 15:16

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M84449.D
Analysis Date: 12/01/10 09:09
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.444 to 4.473 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.1	4238	PASS
75	95	30	60	50.2	9211	PASS
95	95	100	100	100.0	18359	PASS
96	95	5	9	6.2	1140	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.5	13681	PASS
175	174	5	9	6.9	945	PASS
176	174	95	101	98.9	13529	PASS
177	176	5	9	6.5	873	PASS

Data File	Sample Number	Analysis Date:
3M84450.D	BLK	12/01/10 09:30
3M84451.D	CAL @ 1 PPB	12/01/10 09:46
3M84452.D	CAL @ 0.5 PPB	12/01/10 10:06
3M84453.D	CAL @ 5 PPB	12/01/10 10:28
3M84454.D	CAL @ 500 PPB	12/01/10 10:47
3M84455.D	CAL @ 250 PPB	12/01/10 11:04
3M84456.D	CAL @ 100 PPB	12/01/10 11:21
3M84457.D	CAL @ 50 PPB	12/01/10 11:38
3M84458.D	CAL @ 20 PPB	12/01/10 11:54
3M84459.D	CAL @ 10 PPB	12/01/10 12:22
3M84460.D	10 PPB	12/01/10 12:39
3M84461.D	BLK	12/01/10 12:59
3M84462.D	ICV	12/01/10 13:16
3M84463.D	BLK	12/01/10 13:36
3M84464.D	DAILY BLANK	12/01/10 13:52
3M84465.D	DAILY BLANK	12/01/10 14:09
3M84466.D	MBS3761	12/01/10 14:25
3M84467.D	MBS3762	12/01/10 14:42
3M84468.D	AC56022-013	12/01/10 15:12
3M84469.D	BLKJUG#1	12/01/10 15:29
3M84470.D	AC55987-003(5X)	12/01/10 15:48
3M84471.D	AC56022-014	12/01/10 16:07
3M84472.D	AC56022-015	12/01/10 16:23
3M84473.D	AC56022-016	12/01/10 16:40
3M84474.D	AC55984-002(T)	12/01/10 16:56
3M84475.D	AC56019-004	12/01/10 17:13
3M84476.D	AC56019-007	12/01/10 17:30
3M84477.D	AC56019-008	12/01/10 17:46
3M84478.D	AC56019-011	12/01/10 18:03
3M84479.D	AC56019-013	12/01/10 18:20
3M84480.D	AC56019-015	12/01/10 18:36
3M84481.D	AC56019-019	12/01/10 18:53
3M84482.D	AC56019-020	12/01/10 19:10
3M84483.D	AC56019-022	12/01/10 19:27
3M84484.D	AC56007-004(MS)	12/01/10 19:43

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M85893.D
Analysis Date: 12/30/10 06:24
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.418 to 4.418 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.5	3062	PASS
75	95	30	60	45.0	5861	PASS
95	95	100	100	100.0	13030	PASS
96	95	5	9	5.4	709	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	9755	PASS
175	174	5	9	7.8	759	PASS
176	174	95	101	96.2	9385	PASS
177	176	5	9	7.4	691	PASS

Data File	Sample Number	Analysis Date:
3M85894.D	CAL @ 20 PPB	12/30/10 06:34
3M85895.D	BLK	12/30/10 06:55
3M85896.D	DAILY BLANK	12/30/10 07:12
3M85897.D	DAILY BLANK	12/30/10 07:28
3M85898.D	AC56399-001(T)	12/30/10 07:45
3M85899.D	AC56495-001(T)	12/30/10 08:01
3M85900.D	AC56495-002(T)	12/30/10 08:18
3M85901.D	EF-SPLP FL-1014(	12/30/10 08:34
3M85902.D	MBS5380	12/30/10 08:51
3M85903.D	MBS5381	12/30/10 09:08
3M85904.D	AC56515-026(20X)	12/30/10 09:24
3M85905.D	AC56515-029(500X	12/30/10 09:41
3M85906.D	AC56515-028(500X	12/30/10 09:57
3M85907.D	AC56517-001	12/30/10 10:14
3M85908.D	AC56517-041	12/30/10 10:33
3M85909.D	AC56517-042	12/30/10 10:50
3M85910.D	AC56517-043(MS:	12/30/10 11:06
3M85911.D	AC56517-044(MSD	12/30/10 11:23
3M85912.D	AC56517-047	12/30/10 11:40
3M85913.D	AC56517-048	12/30/10 11:56
3M85914.D	AC56517-025	12/30/10 12:13
3M85915.D	AC56517-026	12/30/10 12:30
3M85916.D	AC56517-027	12/30/10 12:47
3M85917.D	AC56517-033	12/30/10 13:03
3M85918.D	AC56517-034	12/30/10 13:20
3M85919.D	AC56517-035	12/30/10 13:37
3M85920.D	AC56517-036	12/30/10 13:53
3M85921.D	BLK	12/30/10 14:10
3M85922.D	AC56534-001	12/30/10 14:27
3M85923.D	AC56534-002	12/30/10 14:43
3M85924.D	AC56534-005	12/30/10 15:00
3M85925.D	MBS5385	12/30/10 15:16
3M85926.D	AC56568-001	12/30/10 15:33
3M85927.D	AC56568-002	12/30/10 15:49
3M85928.D	AC56568-003	12/30/10 16:05
3M85929.D	BLKJUG#2	12/30/10 16:22
3M85930.D	AC56517-025	12/30/10 16:38
3M85931.D	AC56517-036	12/30/10 16:55
3M85932.D	AC56556-002(T)	12/30/10 17:12
3M85933.D	EF-1V-104503(123	12/30/10 17:29
3M85934.D	AC56495-002(T:M	12/30/10 17:45
3M85935.D	AC56495-002(T:M	12/30/10 18:01
3M85936.D	BLKJUG#2	12/30/10 18:18
3M85937.D	AC56561-009	12/30/10 18:35
3M85938.D	AC56561-008	12/30/10 18:51
3M85939.D	AC56561-003(10X)	12/30/10 19:08
3M85940.D	AC56561-001(50X)	12/30/10 19:24
3M85941.D	AC56561-004(100X	12/30/10 19:40
3M85942.D	AC56561-005(200X	12/30/10 19:57
3M85943.D	AC56561-002(500X	12/30/10 20:14
3M85944.D	AC56561-006(500X	12/30/10 20:31
3M85945.D	AC56561-007(1000	12/30/10 20:47
3M85946.D	BLK	12/30/10 21:04
3M85947.D	BLK	12/30/10 21:21
3M85948.D	BLK	12/30/10 21:37
3M85949.D	BLK	12/30/10 21:54

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M84458.D Method: EPA 8260B

Analysis Date/Time: 12/01/10 11:54

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	170502	4.57	140162	6.41	96745	7.83						
Eval File Area Limit:	85251-341004		70081-280324		48372-193490							
Eval File Rt Limit:	4.07-5.07		5.91-6.91		7.33-8.33							
Data File Sample												
3M84450.D BLK	168003	4.56	142393	6.40	79680	7.82						
3M84451.D CAL @ 1 PPB	181990	4.56	147812	6.40	87739	7.82						
3M84452.D CAL @ 0.5 PF	174901	4.57	147539	6.40	82639	7.83						
3M84453.D CAL @ 5 PPB	184752	4.57	149657	6.40	89180	7.83						
3M84454.D CAL @ 500 P	189145	4.57	137207	6.40	73914	7.83						
3M84455.D CAL @ 250 P	174366	4.57	141068	6.41	97109	7.83						
3M84456.D CAL @ 100 P	171692	4.57	145733	6.41	96125	7.83						
3M84457.D CAL @ 50 PP	172024	4.57	147829	6.41	96548	7.83						
3M84458.D CAL @ 20 PP	170502	4.57	140162	6.41	96745	7.83						
3M84459.D CAL @ 10 PP	176035	4.57	139239	6.41	78903	7.83						
3M84460.D 10 PPB	179394	4.57	138296	6.41	85317	7.83						
3M84461.D BLK	167259	4.57	136058	6.41	75245	7.83						
3M84462.D ICV	166076	4.57	135517	6.41	96857	7.83						
3M84463.D BLK	157170	4.57	132959	6.41	74242	7.83						
3M84464.D DAILY BLANK	154809	4.57	132662	6.41	87487	7.83						
3M84465.D DAILY BLANK	154214	4.57	136809	6.41	85220	7.83						
3M84466.D MBS3761	159952	4.57	136915	6.41	96788	7.83						
3M84467.D MBS3762	168009	4.57	142333	6.41	98353	7.83						
3M84468.D AC56022-013	162942	4.56	130718	6.41	70340	7.83						
3M84469.D BLKJUG#1	171007	4.57	133466	6.40	82639	7.83						
3M84471.D AC56022-014	164574	4.56	128999	6.41	75754	7.83						
3M84472.D AC56022-015	167083	4.56	132183	6.40	87151	7.83						
3M84473.D AC56022-016	164141	4.56	130237	6.40	86203	7.83						
3M84474.D AC55984-002	174434	4.57	137371	6.40	89807	7.83						
3M84475.D AC56019-004	165058	4.56	130496	6.40	86023	7.83						
3M84476.D AC56019-007	166232	4.56	132240	6.40	85713	7.83						
3M84477.D AC56019-008	164299	4.56	132562	6.40	86567	7.83						
3M84478.D AC56019-011	165043	4.56	140201	6.40	87487	7.83						
3M84479.D AC56019-013	164493	4.56	142058	6.40	90964	7.83						
3M84480.D AC56019-015	167042	4.56	141377	6.40	89208	7.83						
3M84481.D AC56019-019	165421	4.56	140792	6.40	93791	7.83						
3M84482.D AC56019-020	164761	4.56	138460	6.40	93406	7.83						
3M84483.D AC56019-022	164018	4.56	138189	6.40	92317	7.83						
3M84484.D AC56007-004	179471	4.57	156864	6.40	108838	7.83						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M85894.D Method: EPA 8260B

Analysis Date/Time: 12/30/10 06:34

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	171405	4.55	134091	6.38	85516	7.81						
Eval File Area Limit:	85702-342810		67046-268182		42758-171032							
Eval File Rt Limit:	4.05-5.05		5.88-6.88		7.31-8.309999							

Data File	Sample						
3M85895.D	BLK	161372	4.55	141887	6.39	78899	7.81
3M85896.D	DAILY BLANK	163008	4.55	140682	6.39	80902	7.81
3M85897.D	DAILY BLANK	162310	4.55	144595	6.39	77751	7.81
3M85898.D	AC56399-001(	167271	4.55	151268	6.39	91916	7.81
3M85899.D	AC56495-001(	175192	4.55	154298	6.39	93747	7.81
3M85900.D	AC56495-002(	174380	4.55	159760	6.39	94793	7.81
3M85901.D	EF-SPLP FL-1	182499	4.55	168998	6.39	96979	7.81
3M85902.D	MBS5380	183563	4.55	163525	6.39	98352	7.81
3M85903.D	MBS5381	173482	4.55	156431	6.39	98378	7.81
3M85904.D	AC56515-026(	170323	4.55	159921	6.39	91548	7.81
3M85905.D	AC56515-029(	174895	4.56	156723	6.39	88625	7.81
3M85906.D	AC56515-028(	173392	4.55	152293	6.39	86138	7.81
3M85907.D	AC56517-001	168547	4.56	153464	6.39	84025	7.81
3M85908.D	AC56517-041	165075	4.55	145291	6.39	82573	7.81
3M85909.D	AC56517-042	167537	4.55	149744	6.39	83532	7.81
3M85910.D	AC56517-043(	177228	4.55	155027	6.39	94093	7.81
3M85911.D	AC56517-044(	177332	4.55	154547	6.39	93998	7.81
3M85912.D	AC56517-047	168010	4.55	152579	6.39	85065	7.81
3M85913.D	AC56517-048	177322	4.55	153837	6.39	93343	7.81
3M85914.D	AC56517-025	171392	4.56	153904	6.39	87034	7.81
3M85915.D	AC56517-026	169808	4.55	156148	6.39	85577	7.81
3M85916.D	AC56517-027	171581	4.56	154049	6.39	83325	7.81
3M85917.D	AC56517-033	169735	4.56	152130	6.39	85261	7.81
3M85918.D	AC56517-034	182815	4.56	153189	6.39	92416	7.81
3M85919.D	AC56517-035	180900	4.56	156025	6.39	92751	7.81
3M85920.D	AC56517-036	174072	4.56	155428	6.39	85943	7.81
3M85921.D	BLK	169741	4.55	154054	6.39	84150	7.81
3M85925.D	MBS5385	184292	4.56	161343	6.39	96372	7.81
3M85926.D	AC56568-001	166859	4.56	145616	6.39	79984	7.82
3M85927.D	AC56568-002	167306	4.56	145760	6.39	78694	7.82
3M85928.D	AC56568-003	169178	4.56	150314	6.39	82530	7.82
3M85929.D	BLKJUG#2	172299	4.56	147565	6.39	80961	7.81
3M85930.D	AC56517-025	165164	4.56	151617	6.39	82094	7.81
3M85931.D	AC56517-036	171576	4.56	152538	6.39	82907	7.81
3M85932.D	AC56556-002(	175810	4.56	156180	6.39	87552	7.81
3M85933.D	EF-1V-104503	170728	4.56	152276	6.39	84553	7.81
3M85934.D	AC56495-002(	183965	4.56	158900	6.39	96026	7.81
3M85935.D	AC56495-002(	182861	4.55	161028	6.39	96840	7.81
3M85936.D	BLKJUG#2	179118	4.55	159562	6.39	92774	7.81
3M85946.D	BLK	174971	4.56	154772	6.39	84257	7.81
3M85947.D	BLK	172648	4.55	154889	6.39	84290	7.81
3M85948.D	BLK	174025	4.56	152333	6.39	85667	7.81
3M85949.D	BLK	174582	4.55	156109	6.39	85313	7.81

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

SPLP
GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-001(T)
Client Id: PJ Baseline-1
Data File: 3M85899.D
Analysis Date: 12/30/10 08:01
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.00048	U	56-23-5	Carbon Tetrachloride	0.00067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00034	U	108-90-7	Chlorobenzene	0.00067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.00082	U	75-00-3	Chloroethane	0.00076	U
79-00-5	1,1,2-Trichloroethane	0.00055	U	67-66-3	Chloroform	0.00036	U
75-34-3	1,1-Dichloroethane	0.00033	U	74-87-3	Chloromethane	0.00045	U
75-35-4	1,1-Dichloroethene	0.00058	U	156-59-2	cis-1,2-Dichloroethene	0.00029	U
96-18-4	1,2,3-Trichloropropane	0.00091	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.00024**	**0.099**	124-48-1	Dibromochloromethane	0.00055	U
95-50-1	1,2-Dichlorobenzene	0.00077	U	75-71-8	Dichlorodifluoromethane	0.00051	U
107-06-2	1,2-Dichloroethane	0.00043	U	**100-41-4**	**Ethylbenzene**	**0.00065**	**0.054**
78-87-5	1,2-Dichloropropane	0.00037	U	**98-82-8**	**Isopropylbenzene**	**0.00042**	**0.0073**
108-67-8	**1,3,5-Trimethylbenzene**	**0.00058**	**0.027**	**136777612**	**m&p-Xylenes**	**0.00075**	**0.12**
541-73-1	1,3-Dichlorobenzene	0.00042	U	**75-09-2**	**Methylene Chloride**	**0.00077**	**0.26**
142-28-9	1,3-Dichloropropane	0.00051	U	1634-04-4	Methyl-t-butyl ether	0.00031	U
106-46-7	1,4-Dichlorobenzene	0.00033	U	104-51-8	n-Butylbenzene	0.00048	U
123-91-1	1,4-Dioxane	0.027	U	**103-65-1**	**n-Propylbenzene**	**0.00034**	**0.0013**
78-93-3	2-Butanone	0.00090	U	**95-47-6**	**o-Xylene**	**0.00054**	**0.091**
110-75-8	2-Chloroethylvinylether	0.00086	U	135-98-8	sec-Butylbenzene	0.00047	U
591-78-6	2-Hexanone	0.00046	U	100-42-5	Styrene	0.00033	U
99-87-6	**4-Isopropyltoluene**	**0.00049**	**0.0050**	75-65-0	t-Butyl Alcohol	0.0050	U
108-10-1	4-Methyl-2-Pentanone	0.00085	U	98-06-6	t-Butylbenzene	0.00025	U
67-64-1	**Acetone**	**0.0040**	**0.028**	127-18-4	Tetrachloroethene	0.00033	U
107-02-8	Acrolein	0.0029	U	**108-88-3**	**Toluene**	**0.00040**	**0.020**
107-13-1	Acrylonitrile	0.00092	U	156-60-5	trans-1,2-Dichloroethene	0.00081	U
71-43-2	**Benzene**	**0.00037**	**0.0074**	10061-02-6	trans-1,3-Dichloropropene	0.00061	U
75-27-4	Bromodichloromethane	0.00043	U	79-01-6	Trichloroethene	0.00045	U
75-25-2	Bromoform	0.00029	U	75-69-4	Trichlorofluoromethane	0.00086	U
74-83-9	Bromomethane	0.00097	U	75-01-4	Vinyl Chloride	0.00085	U
75-15-0	Carbon Disulfide	0.00030	U	**1330-20-7**	**Xylenes (Total)**	**0.00054**	**0.211**

Worksheet #: 182506

Total Target Concentration 0.72

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

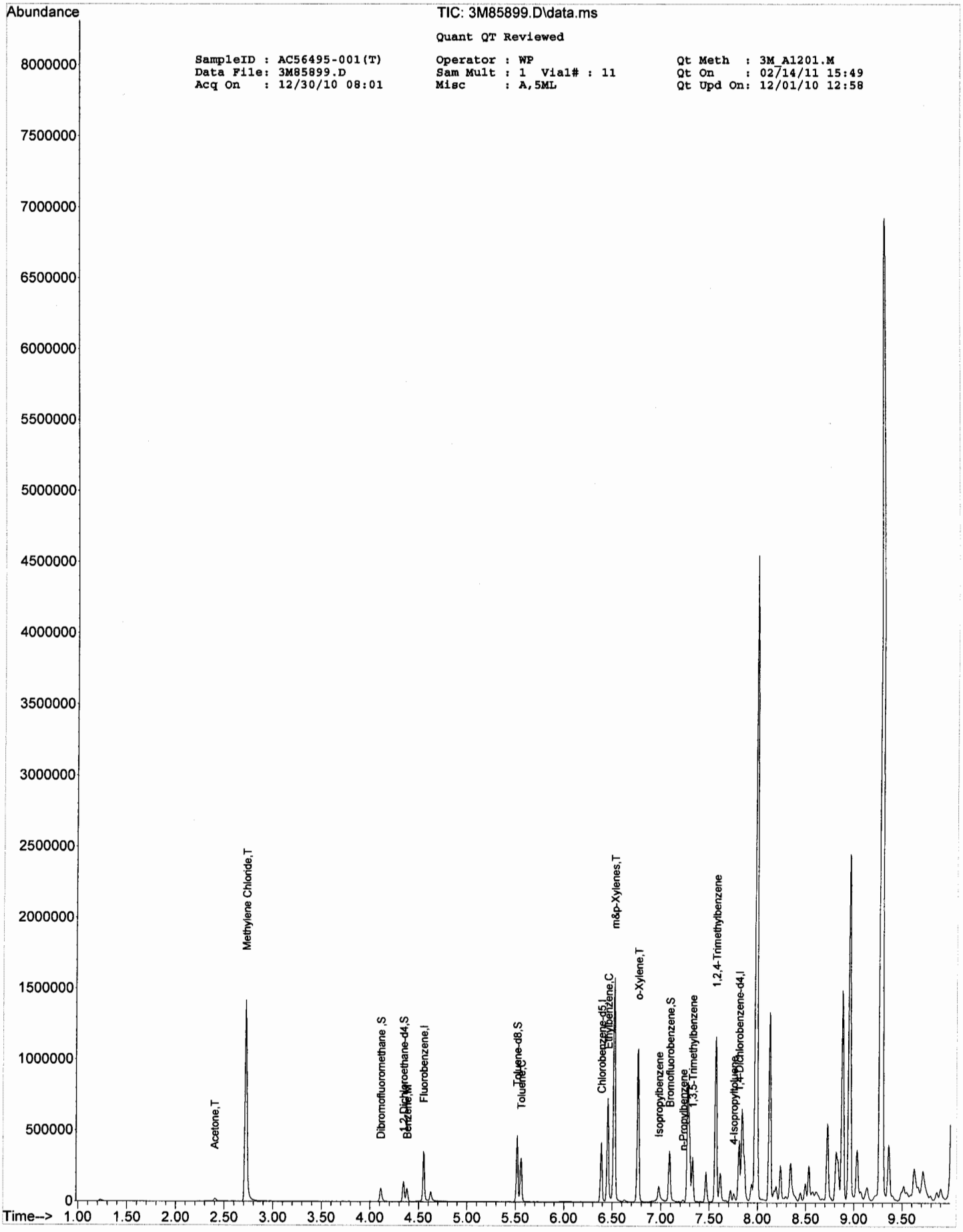
Quantitation Report (QT Reviewed)

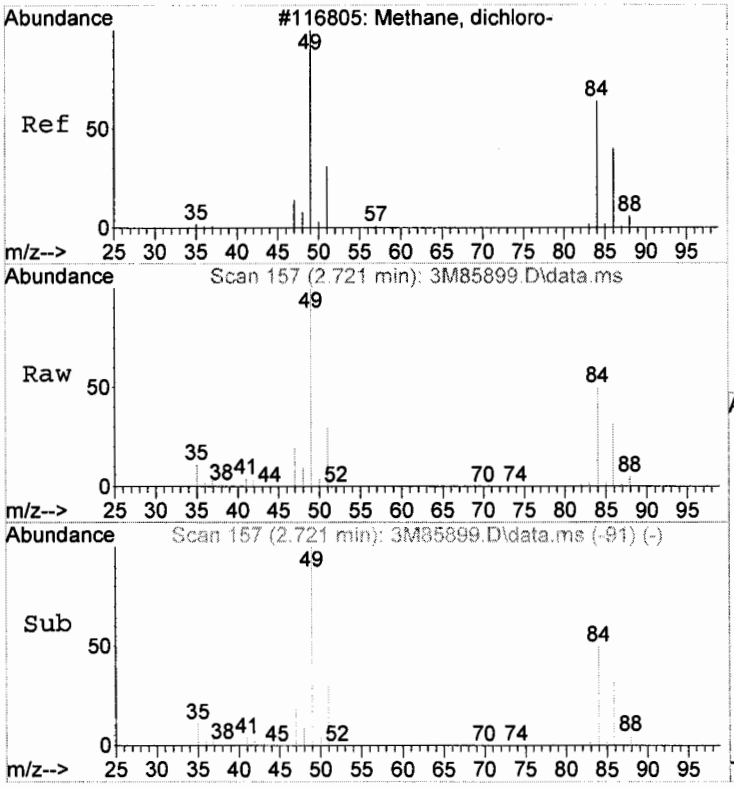
SampleID : AC56495-001(T) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85899.D Sam Mult : 1 Vial# : 11 Qt On : 02/14/11 15:49
Acq On : 12/30/10 08:01 Misc : A,5ML Qt Upd On: 12/01/10 12:58

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	175192	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.390	117	154298	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	93747	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	44222	29.06	ug/l	-0.01
Spiked Amount 30.000			Recovery =	96.87%		
35) 1,2-Dichloroethane-d4	4.345	102	10201	29.41	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.03%		
59) Toluene-d8	5.518	100	119553	27.53	ug/l	0.00
Spiked Amount 30.000			Recovery =	91.77%		
67) Bromofluorobenzene	7.093	174	80963	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery =	100.17%		
Target Compounds						Qvalue
13) Methylene Chloride	2.721	84	390358	259.68	ug/l	97
17) Acetone	2.403	43	21703	28.46	ug/l	93
46) Benzene	4.381	78	45046	7.36	ug/l	100
60) Toluene	5.560	92	82753	20.34	ug/l	100
65) Ethylbenzene	6.456	106	88560	53.66	ug/l	93
69) m&p-Xylenes	6.522	106	296974	121.97	ug/l	97
70) o-Xylene	6.768	106	203899	91.30	ug/l	85
75) Isopropylbenzene	6.979	105	38685	7.33	ug/l	93
82) n-Propylbenzene	7.231	91	9601	1.31	ug/l	94
84) 1,3,5-Trimethylbenzene	7.328	105	130019	27.45	ug/l	94
86) 1,2,4-Trimethylbenzene	7.568	105	505941	98.62	ug/l	84
88) 4-Isopropyltoluene	7.755	119	18354	5.02	ug/l	97

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

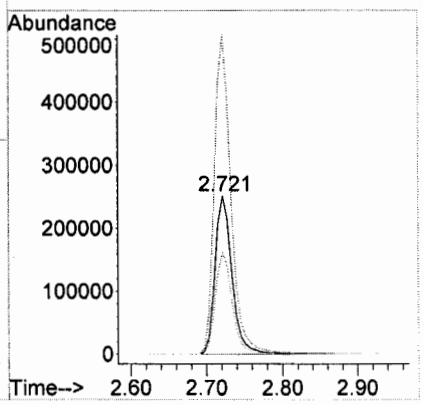

Abundance
TIC: 3M85899.D\data.ms
Quant QT Reviewed
SampleID : AC56495-001(T)
Data File: 3M85899.D
Acq On : 12/30/10 08:01
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 02/14/11 15:49
Qt Upd On: 12/01/10 12:58
Acetone,T
Methylene Chloride,T
Dibromofluoromethane,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
Time-->

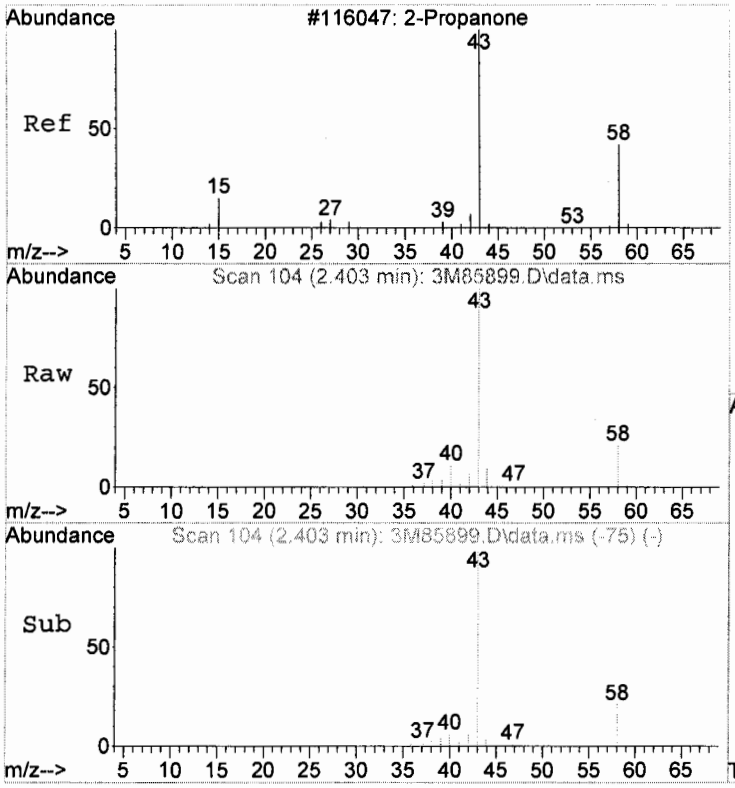


#13
Methylene Chloride
Concen: 259.68 ug/l
RT: 2.721 min Scan# 157
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion: 84 Resp: 390358

Ion	Ratio	Lower	Upper
84	100		
49	201.6	102.1	306.1
86	64.1	41.7	97.3

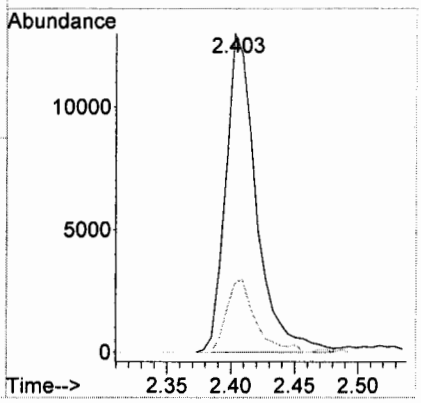


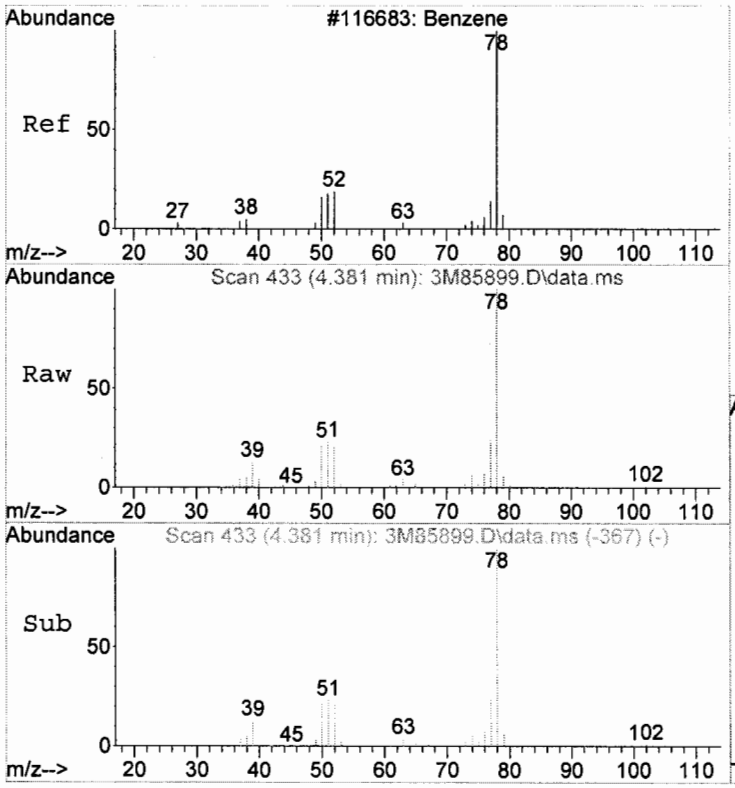


#17
Acetone
Concen: 28.46 ug/l
RT: 2.403 min Scan# 104
Delta R.T. -0.012 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion: 43 Resp: 21703

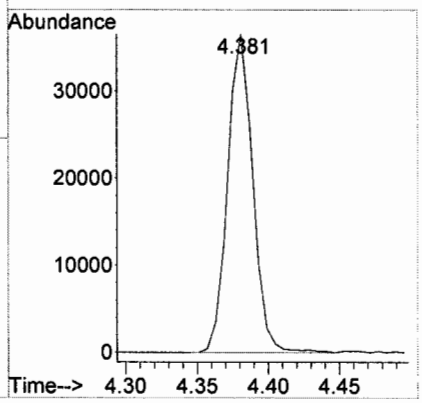
Ion	Ratio	Lower	Upper
43	100		
58	21.4	0.0	64.8

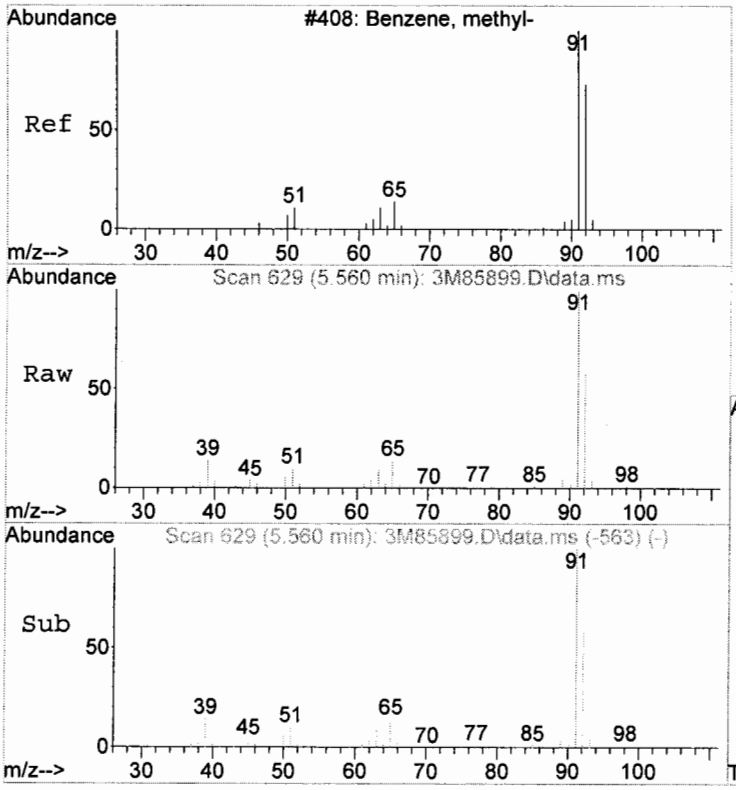




#46
Benzene
Concen: 7.36 ug/l
RT: 4.381 min Scan# 433
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion: 78 Resp: 45046

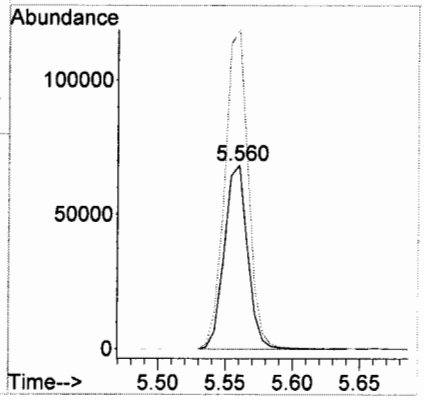


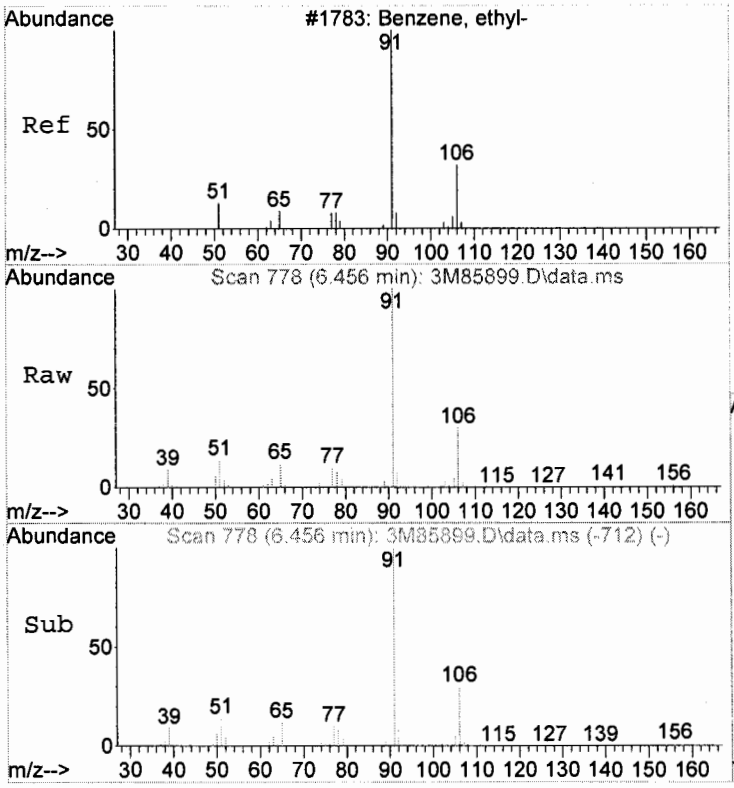


#60
Toluene
Concen: 20.34 ug/l
RT: 5.560 min Scan# 629
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion: 92 Resp: 82753

Ion	Ratio	Lower	Upper
92	100		
91	173.6	104.1	242.9

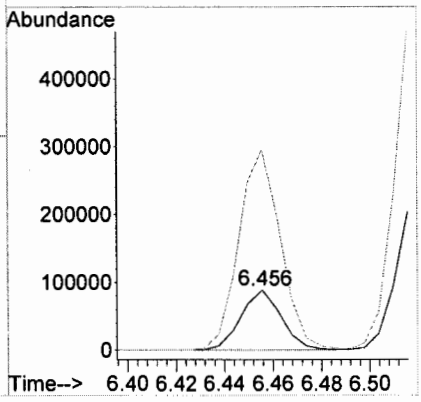


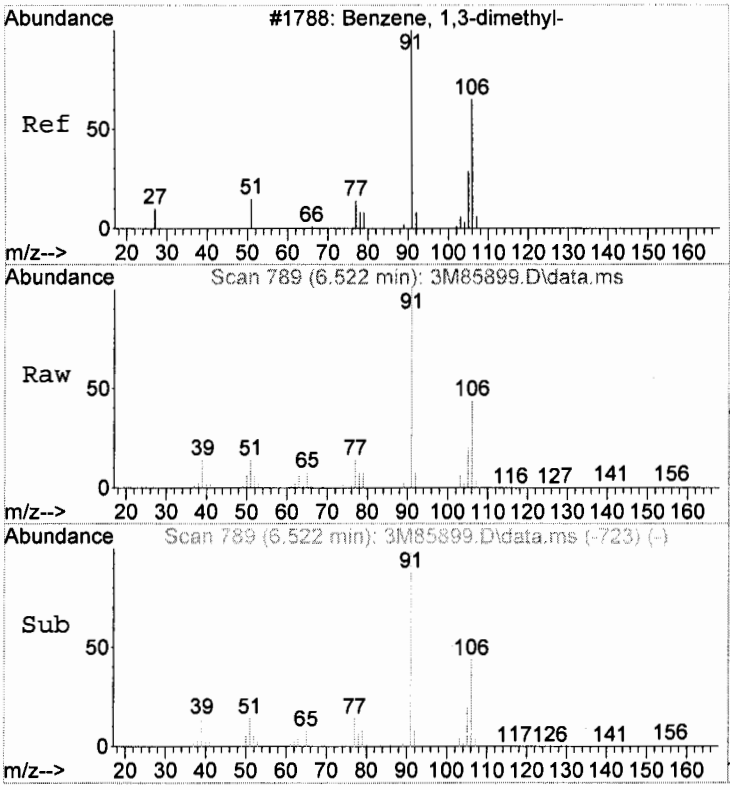


#65
Ethylbenzene
Concen: 53.66 ug/l
RT: 6.456 min Scan# 778
Delta R.T. -0.005 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:106 Resp: 88560

Ion	Ratio	Lower	Upper
106	100		
91	333.9	191.5	446.7

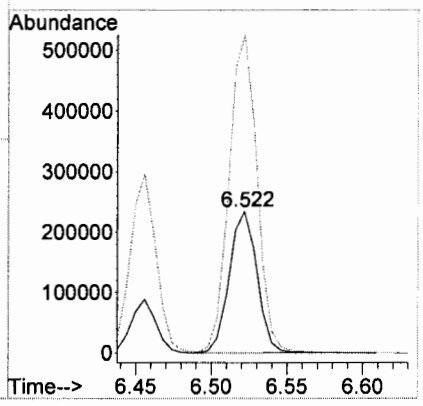


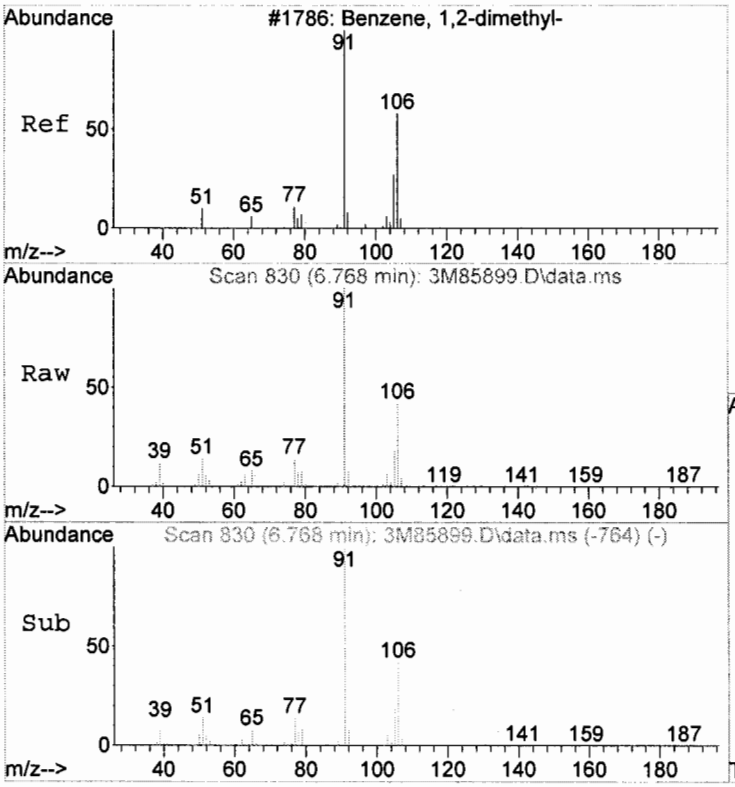


#69
m&p-Xylenes
Concen: 121.97 ug/l
RT: 6.522 min Scan# 789
Delta R.T. -0.005 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:106 Resp: 296974

Ion	Ratio	Lower	Upper
106	100		
91	224.7	132.0	308.0

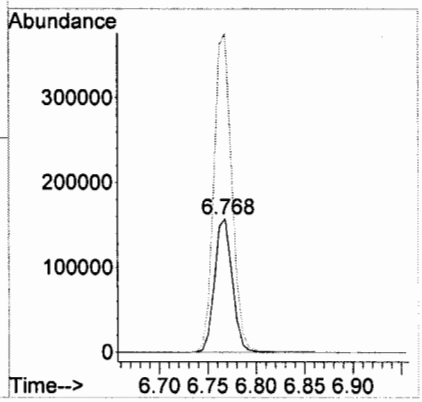


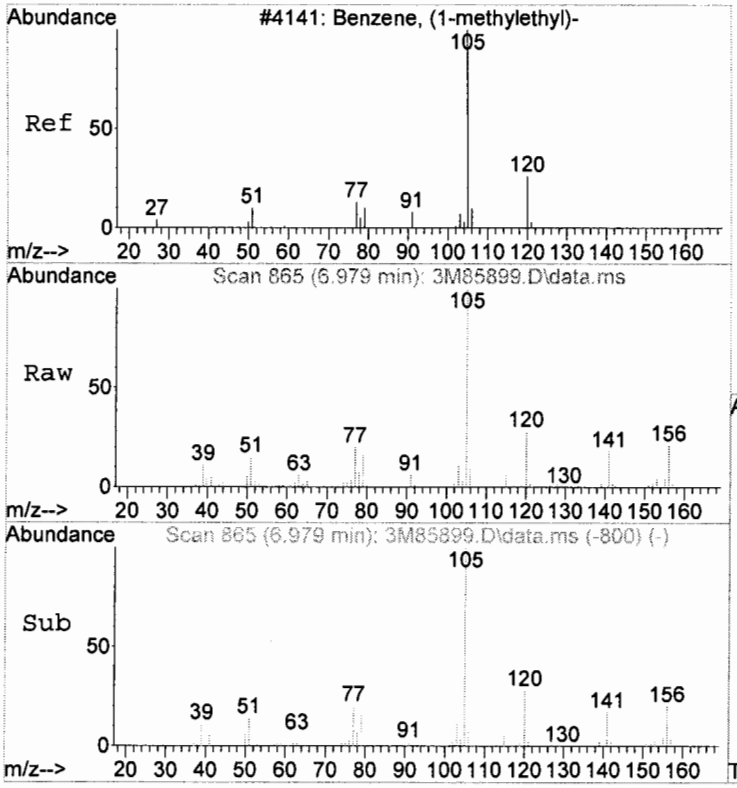


#70
o-Xylene
Concen: 91.30 ug/l
RT: 6.768 min Scan# 830
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:106 Resp: 203899

Ion	Ratio	Lower	Upper
106	100		
91	238.2	129.1	301.1

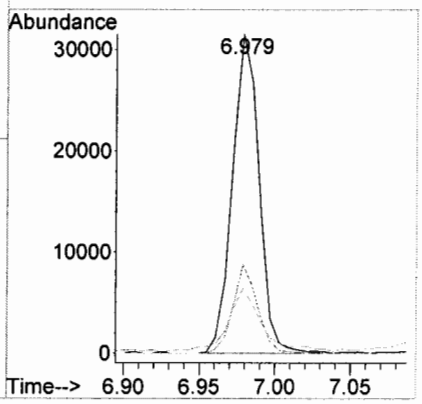


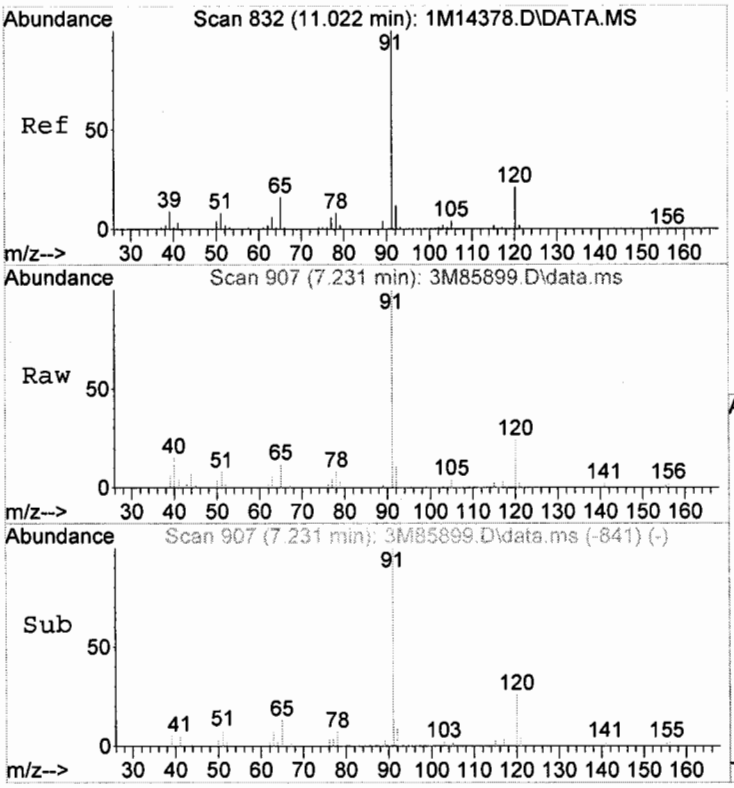


#75
Isopropylbenzene
Concen: 7.33 ug/l
RT: 6.979 min Scan# 865
Delta R.T. -0.011 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:105 Resp: 38685

Ion	Ratio	Lower	Upper
105	100		
120	25.7	0.0	66.9
77	25.0	0.0	58.3

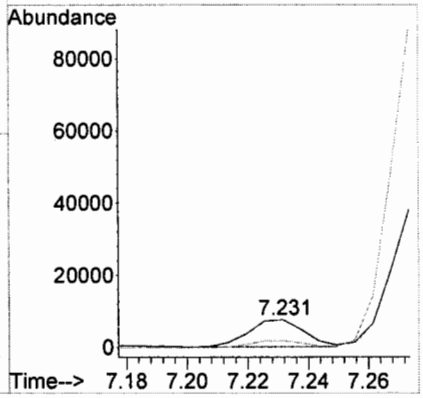


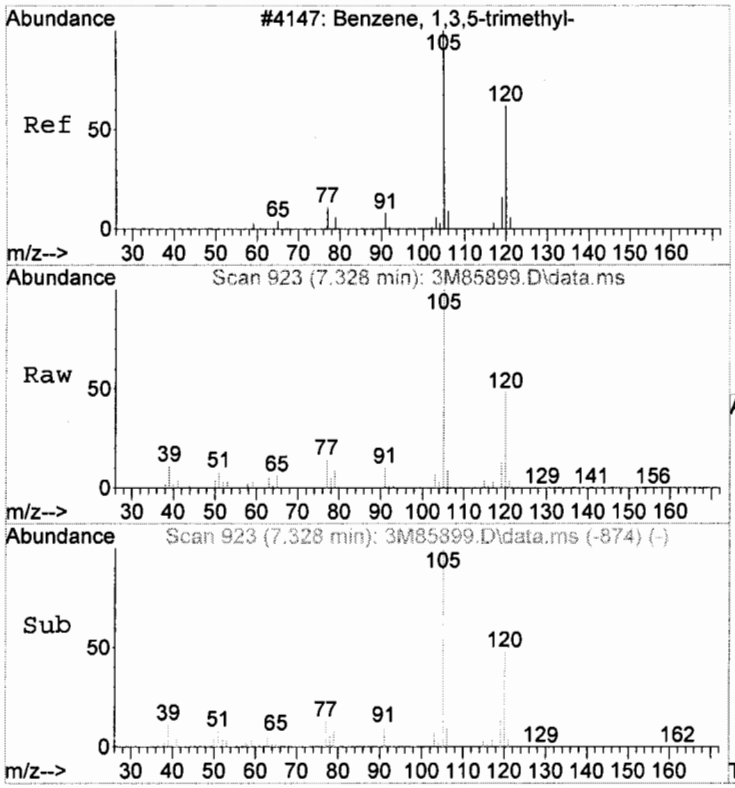


#82
n-Propylbenzene
Concen: 1.31 ug/l
RT: 7.231 min Scan# 907
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion: 91 Resp: 9601

Ion	Ratio	Lower	Upper
91	100		
120	24.5	0.0	61.6

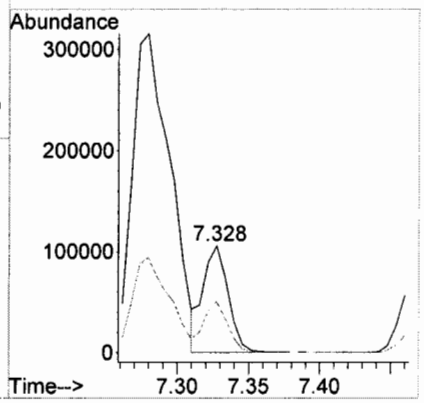


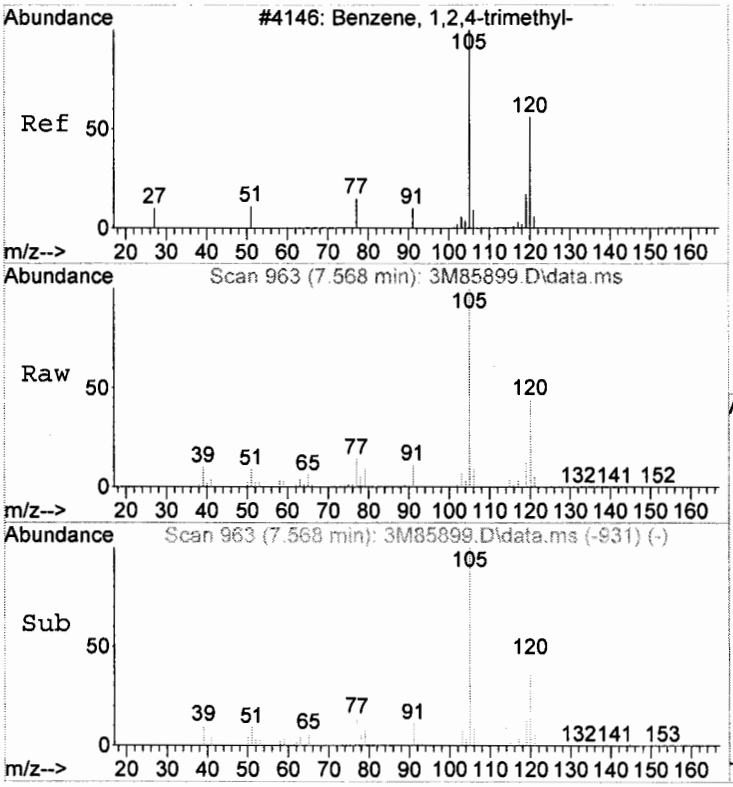


#84
1,3,5-Trimethylbenzene
Concen: 27.45 ug/l
RT: 7.328 min Scan# 923
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:105 Resp: 130019

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	63.0

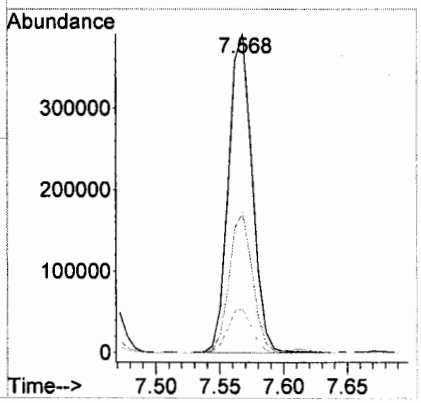


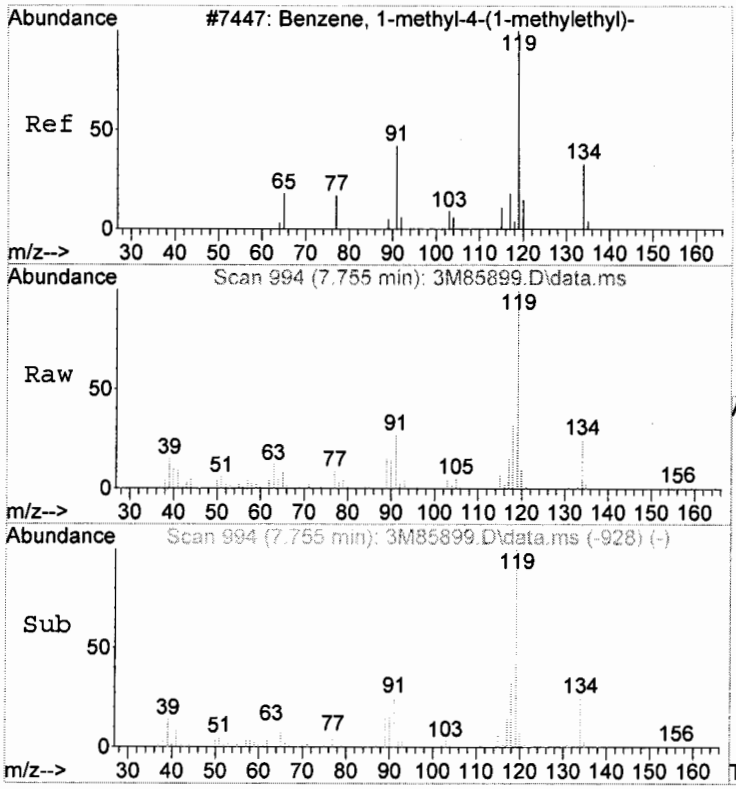


#86
1,2,4-Trimethylbenzene
Concen: 98.62 ug/l
RT: 7.568 min Scan# 963
Delta R.T. -0.006 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:105 Resp: 505941

Ion	Ratio	Lower	Upper
105	100		
120	43.3	12.2	92.2
77	14.0	0.0	66.0

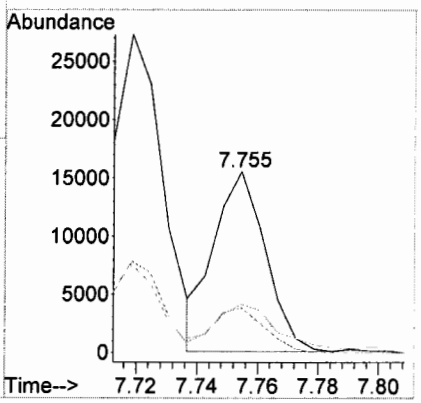




#88
4-Isopropyltoluene
Concen: 5.02 ug/l
RT: 7.755 min Scan# 994
Delta R.T. -0.005 min
Lab File: 3M85899.D
Acq: 30 Dec 2010 8:01

Tgt Ion:119 Resp: 18354

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	66.7
91	28.0	0.0	66.3



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC56495-002(T)
Client Id: PJ Baseline-2
Data File: 3M85900.D
Analysis Date: 12/30/10 08:18
Date Rec/Extracted: 12/22/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.00048	U	56-23-5	Carbon Tetrachloride	0.00067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00034	U	108-90-7	Chlorobenzene	0.00067	U
76-13-1	**1,1,2-Trichloro-1,2,2-triflu**	**0.00082**	**0.0018**	75-00-3	Chloroethane	0.00076	U
79-00-5	1,1,2-Trichloroethane	0.00055	U	67-66-3	Chloroform	0.00036	U
75-34-3	1,1-Dichloroethane	0.00033	U	74-87-3	Chloromethane	0.00045	U
75-35-4	1,1-Dichloroethene	0.00058	U	156-59-2	cis-1,2-Dichloroethene	0.00029	U
96-18-4	1,2,3-Trichloropropane	0.00091	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.00024**	**0.096**	124-48-1	Dibromochloromethane	0.00055	U
95-50-1	1,2-Dichlorobenzene	0.00077	U	75-71-8	Dichlorodifluoromethane	0.00051	U
107-06-2	1,2-Dichloroethane	0.00043	U	**100-41-4**	**Ethylbenzene**	**0.00065**	**0.046**
78-87-5	1,2-Dichloropropane	0.00037	U	**98-82-8**	**Isopropylbenzene**	**0.00042**	**0.0078**
108-67-8	**1,3,5-Trimethylbenzene**	**0.00058**	**0.029**	**136777612**	**m&p-Xylenes**	**0.00075**	**0.10**
541-73-1	1,3-Dichlorobenzene	0.00042	U	**75-09-2**	**Methylene Chloride**	**0.00077**	**0.028**
142-28-9	1,3-Dichloropropane	0.00051	U	1634-04-4	Methyl-t-butyl ether	0.00031	U
106-46-7	1,4-Dichlorobenzene	0.00033	U	104-51-8	n-Butylbenzene	0.00048	U
123-91-1	1,4-Dioxane	0.027	U	**103-65-1**	**n-Propylbenzene**	**0.00034**	**0.0013**
78-93-3	2-Butanone	0.00090	U	**95-47-6**	**o-Xylene**	**0.00054**	**0.070**
110-75-8	2-Chloroethylvinylether	0.00086	U	**135-98-8**	**sec-Butylbenzene**	**0.00047**	**0.00057 J**
591-78-6	2-Hexanone	0.00046	U	100-42-5	Styrene	0.00033	U
99-87-6	**4-Isopropyltoluene**	**0.00049**	**0.0065**	75-65-0	t-Butyl Alcohol	0.0050	U
108-10-1	4-Methyl-2-Pentanone	0.00085	U	98-06-6	t-Butylbenzene	0.00025	U
67-64-1	**Acetone**	**0.0040**	**0.023**	127-18-4	Tetrachloroethene	0.00033	U
107-02-8	Acrolein	0.0029	U	**108-88-3**	**Toluene**	**0.00040**	**0.013**
107-13-1	Acrylonitrile	0.00092	U	156-60-5	trans-1,2-Dichloroethene	0.00081	U
71-43-2	**Benzene**	**0.00037**	**0.0038**	10061-02-6	trans-1,3-Dichloropropene	0.00061	U
75-27-4	Bromodichloromethane	0.00043	U	79-01-6	Trichloroethene	0.00045	U
75-25-2	Bromoform	0.00029	U	75-69-4	Trichlorofluoromethane	0.00086	U
74-83-9	Bromomethane	0.00097	U	75-01-4	Vinyl Chloride	0.00085	U
75-15-0	Carbon Disulfide	0.00030	U	**1330-20-7**	**Xylenes (Total)**	**0.00054**	**0.17**

Worksheet #: 182506

Total Target Concentration 0.43

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

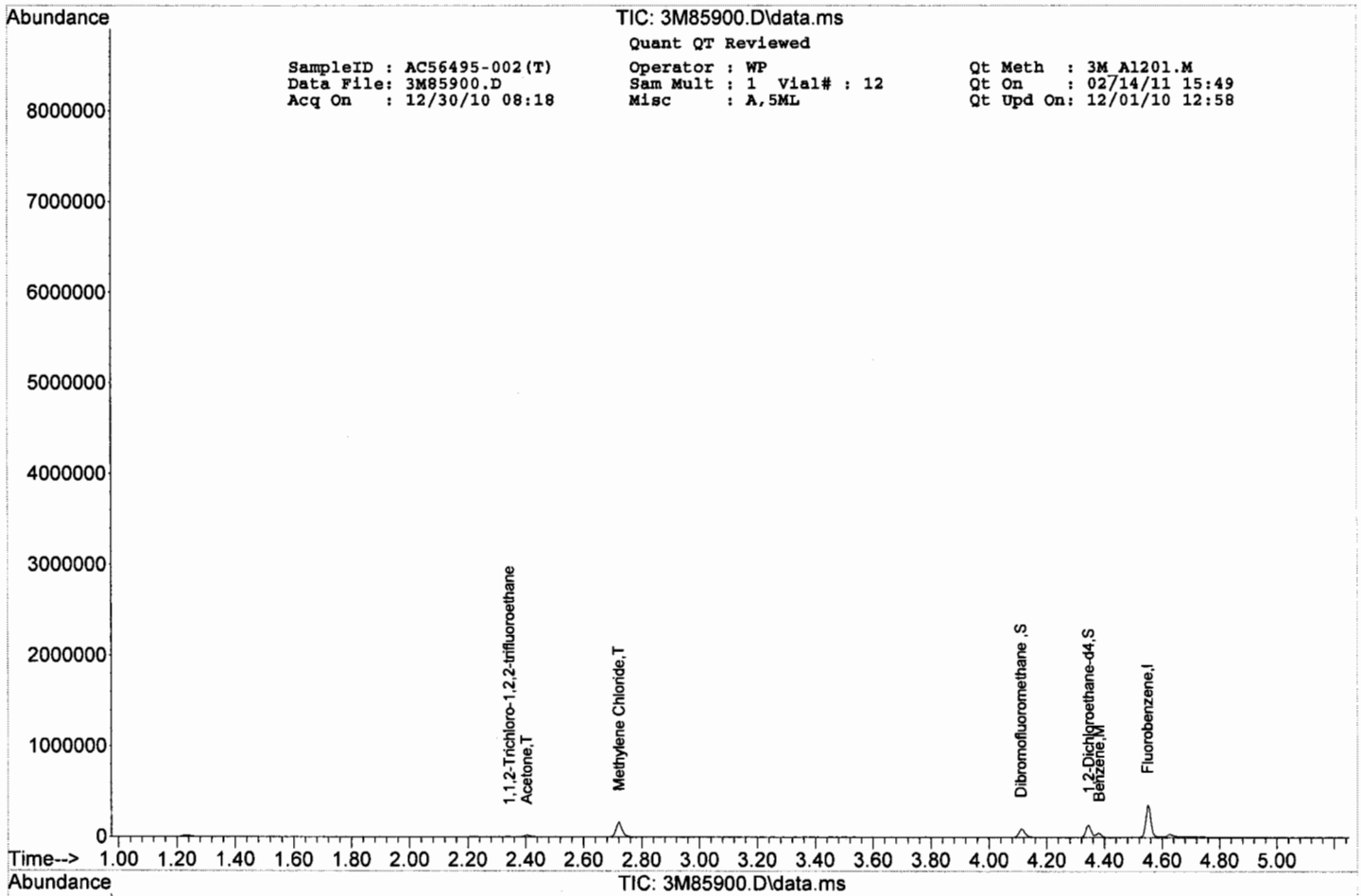
SampleID : AC56495-002(T) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85900.D Sam Mult : 1 Vial# : 12 Qt On : 02/14/11 15:49
Acq On : 12/30/10 08:18 Misc : A,5ML Qt Upd On: 12/01/10 12:58

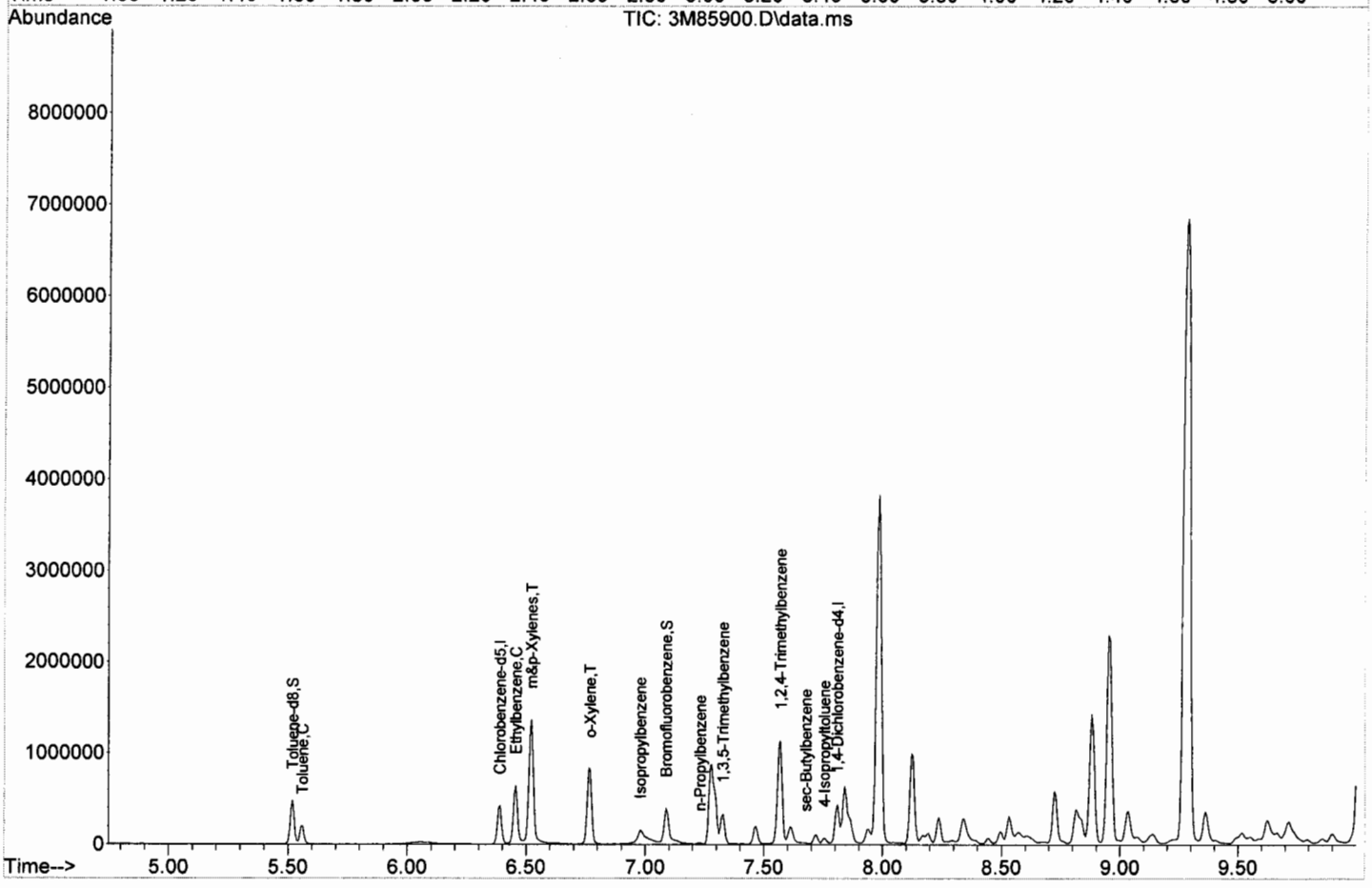
Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

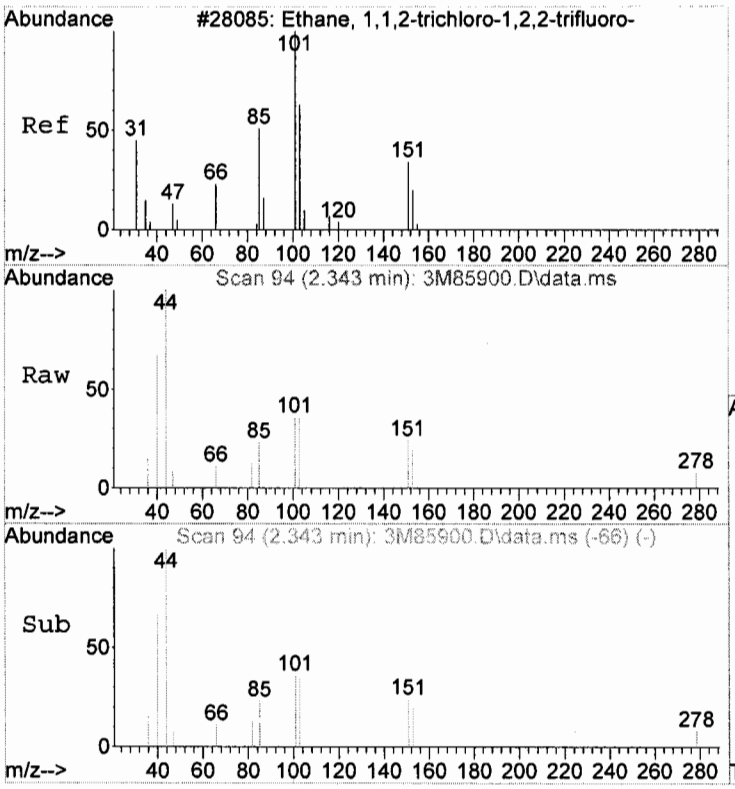
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	174380	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.390	117	159760	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	94793	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	42920	28.33	ug/l	-0.01
Spiked Amount 30.000			Recovery = 94.43%			
35) 1,2-Dichloroethane-d4	4.346	102	10374	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
59) Toluene-d8	5.518	100	122088	27.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.53%			
67) Bromofluorobenzene	7.088	174	82651	30.34	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.13%			
Target Compounds						Qvalue
12) 1,1,2-Trichloro-1,2,2-...	2.343	101	801	1.79	ug/l	95
13) Methylene Chloride	2.722	84	42484	28.39	ug/l	99
17) Acetone	2.403	43	17514	23.07	ug/l	99
46) Benzene	4.382	78	22869	3.75	ug/l	100
60) Toluene	5.560	92	52997	12.58	ug/l	92
65) Ethylbenzene	6.456	106	76800	46.02	ug/l	90
69) m&p-Xylenes	6.523	106	250117	101.59	ug/l	95
70) o-Xylene	6.769	106	158869	70.35	ug/l	89
75) Isopropylbenzene	6.980	105	41391	7.75	ug/l	78
82) n-Propylbenzene	7.232	91	9879	1.33	ug/l	97
84) 1,3,5-Trimethylbenzene	7.328	105	138529	28.93	ug/l	96
86) 1,2,4-Trimethylbenzene	7.569	105	500181	96.42	ug/l	84
87) sec-Butylbenzene	7.677	105	2971	0.57	ug/l	88
88) 4-Isopropyltoluene	7.755	119	24169	6.54	ug/l	99

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

Ke


Abundance
TIC: 3M85900.D\data.ms
Quant QT Reviewed
SampleID : AC56495-002(T)
Data File: 3M85900.D
Acq On : 12/30/10 08:18
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 02/14/11 15:49
Qt Upd On: 12/01/10 12:58
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
1,1,2-Trichloro-1,2,2-trifluoroethane
Acetone,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Time-->
1.00 1.20 1.40 1.60 1.80 2.00 2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00

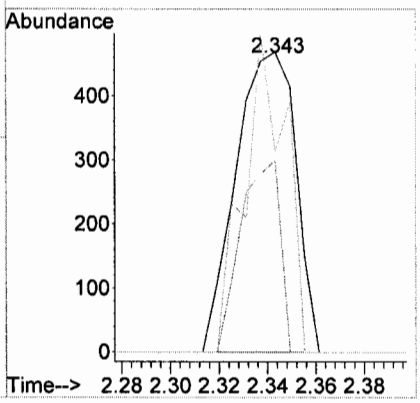

Abundance
TIC: 3M85900.D\data.ms
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
Time-->
5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50

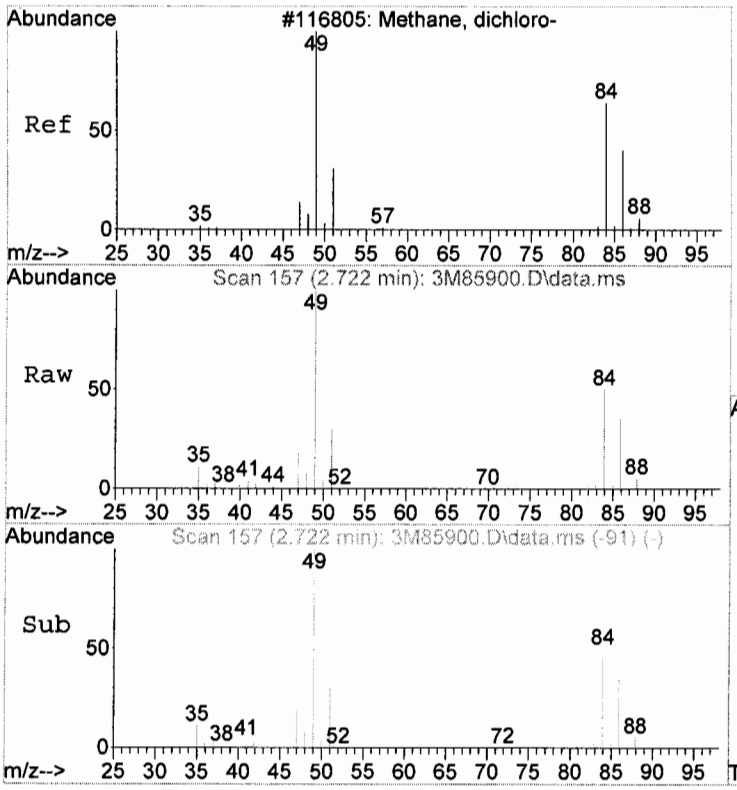


#12
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.79 ug/l
RT: 2.343 min Scan# 94
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:101 Resp: 801

Ion	Ratio	Lower	Upper
101	100		
85	42.2	2.3	82.3
151	73.9	40.8	120.8

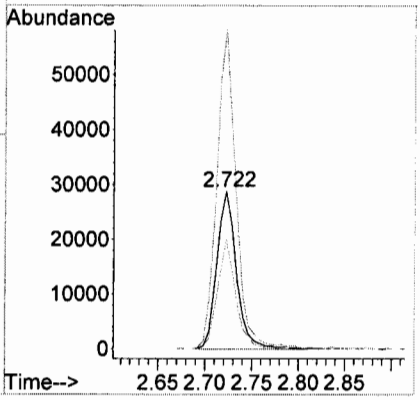


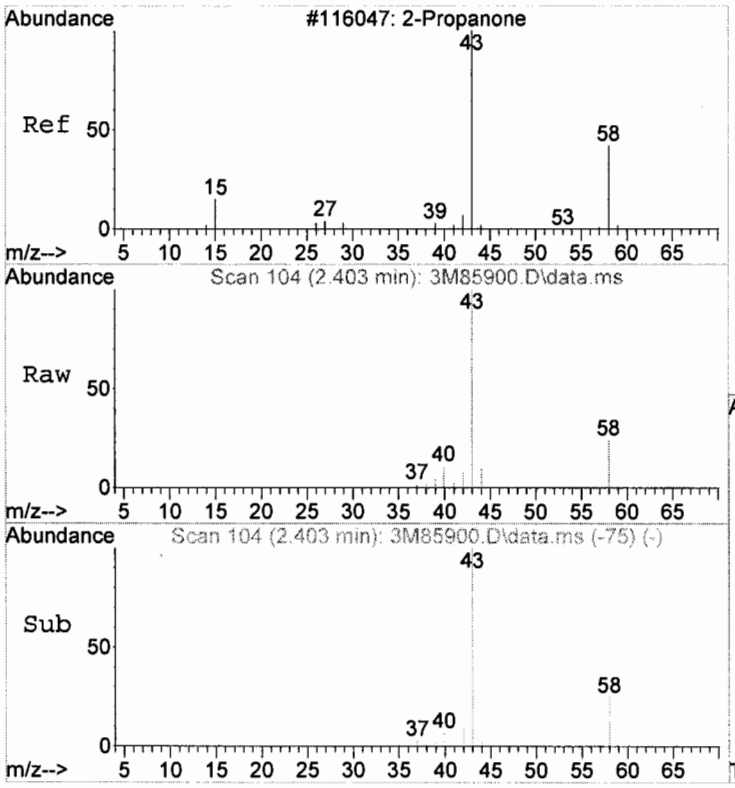


#13
Methylene Chloride
Concen: 28.39 ug/l
RT: 2.722 min Scan# 157
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion: 84 Resp: 42484

Ion	Ratio	Lower	Upper
84	100		
49	201.8	102.1	306.1
86	69.8	41.7	97.3

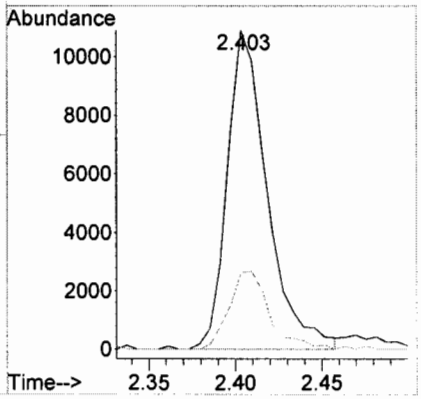


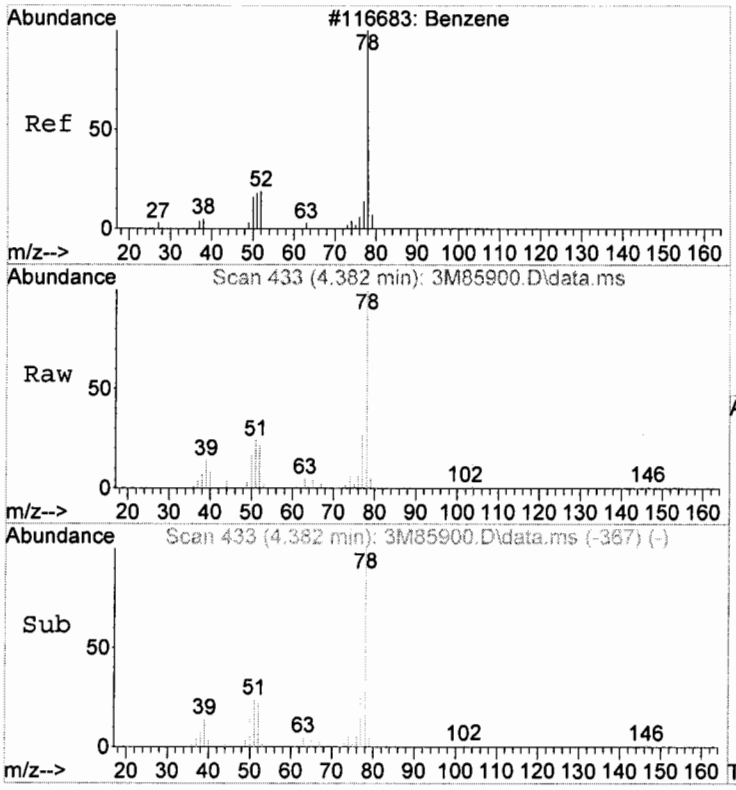


#17
Acetone
Concen: 23.07 ug/l
RT: 2.403 min Scan# 104
Delta R.T. -0.011 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion: 43 Resp: 17514

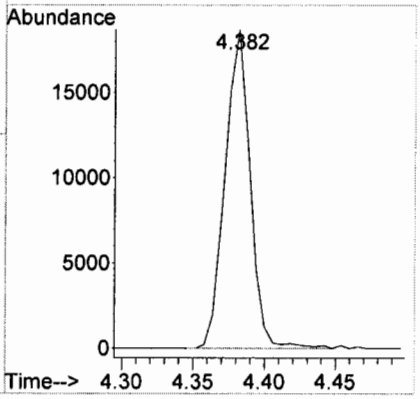
Ion	Ratio	Lower	Upper
43	100		
58	24.2	0.0	64.8

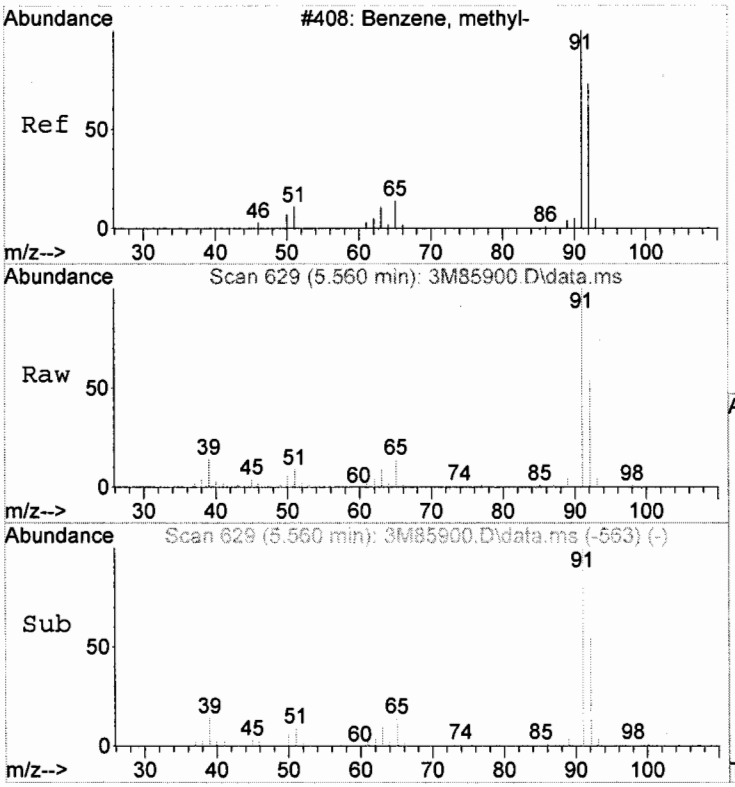




#46
Benzene
Concen: 3.75 ug/l
RT: 4.382 min Scan# 433
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion: 78 Resp: 22869

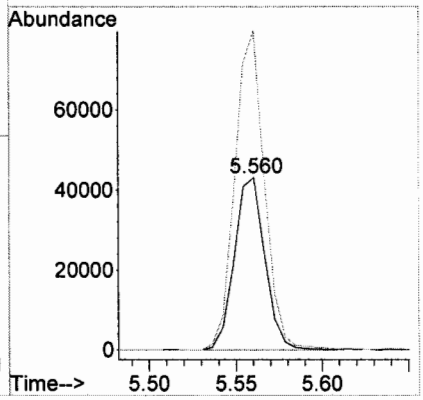


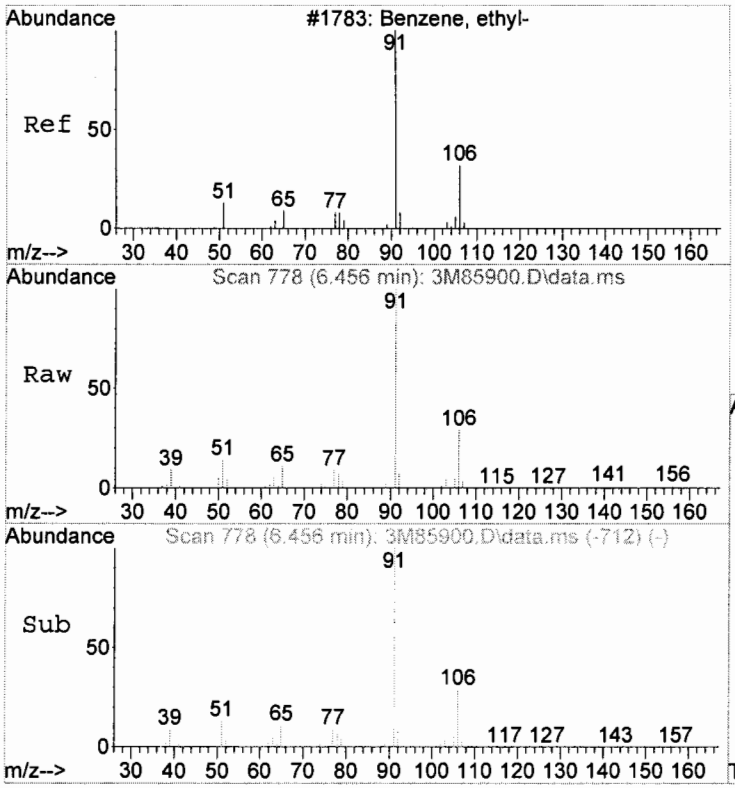


#60
Toluene
Concen: 12.58 ug/l
RT: 5.560 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion: 92 Resp: 52997

Ion	Ratio	Lower	Upper
92	100		
91	184.9	104.1	242.9

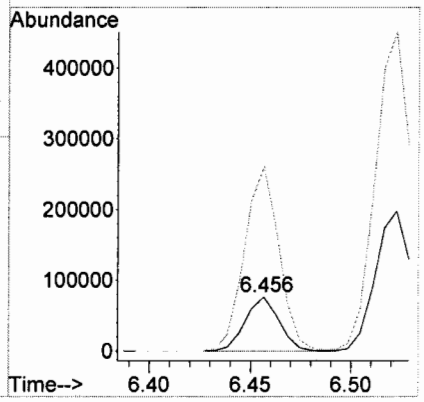


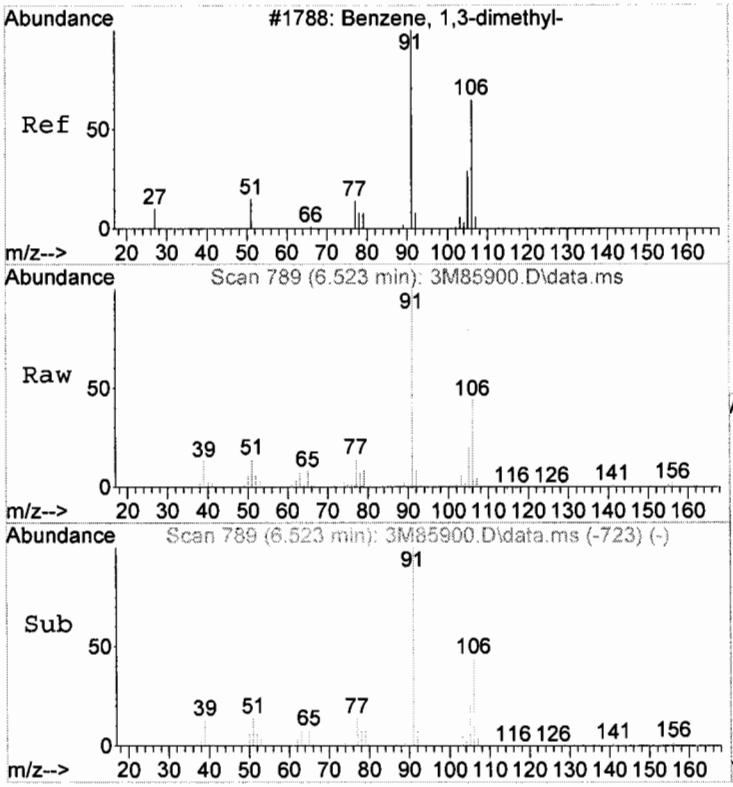


#65
Ethylbenzene
Concen: 46.02 ug/l
RT: 6.456 min Scan# 778
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:106 Resp: 76800

Ion	Ratio	Lower	Upper
106	100		
91	339.7	191.5	446.7

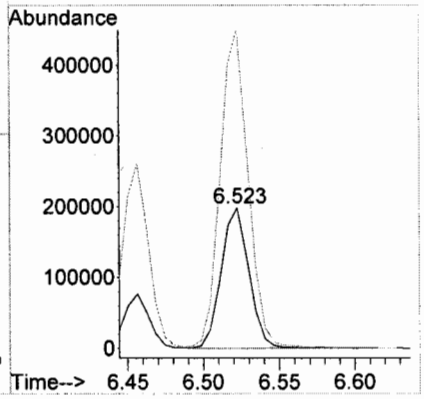


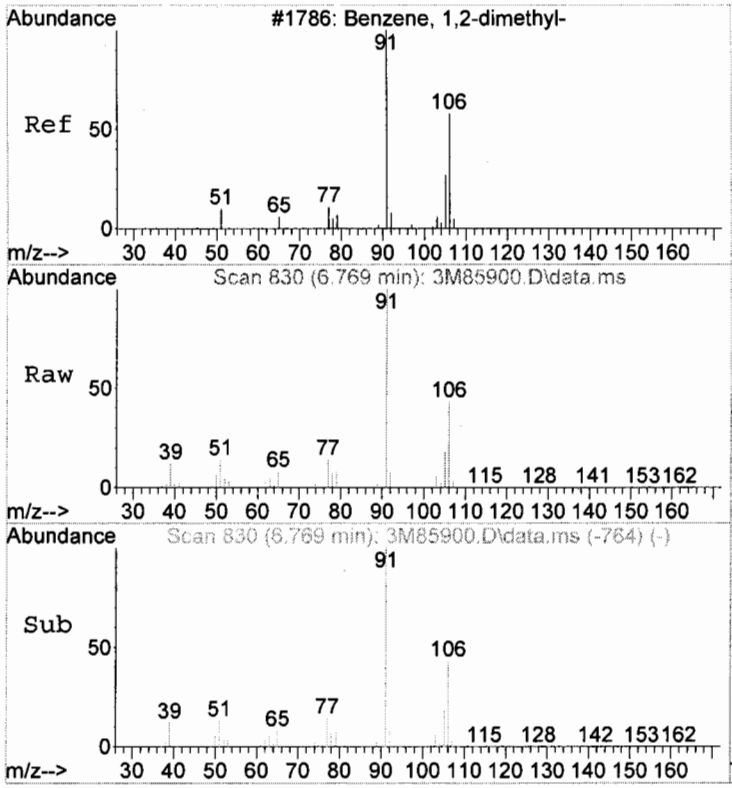


#69
m&p-Xylenes
Concen: 101.59 ug/l
RT: 6.523 min Scan# 789
Delta R.T. -0.004 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:106 Resp: 250117

Ion	Ratio	Lower	Upper
106	100		
91	227.4	132.0	308.0

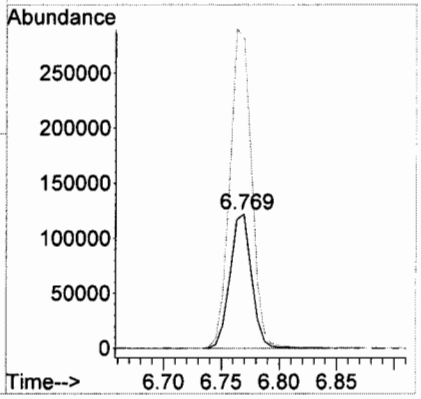


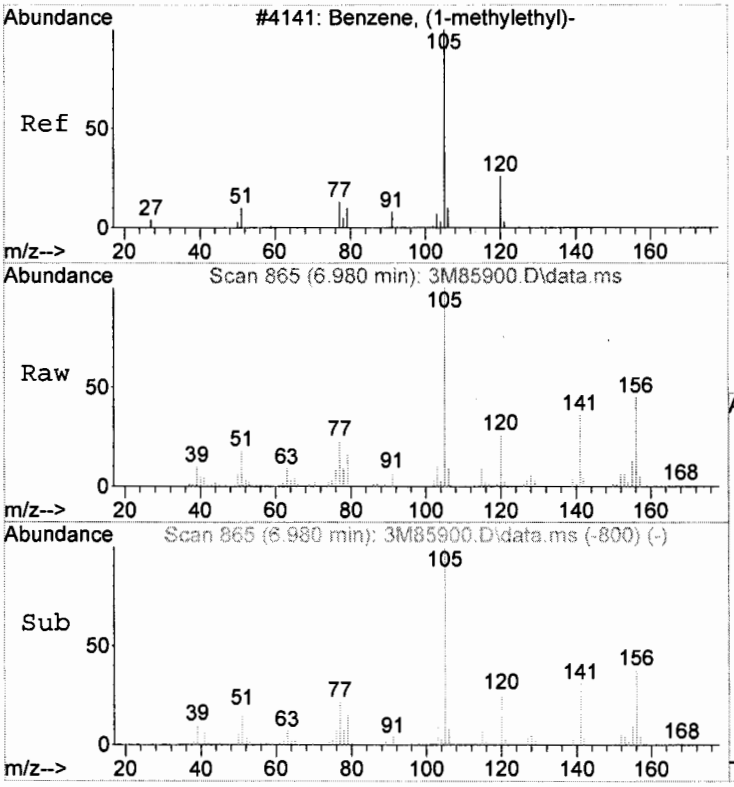


#70
o-Xylene
Concen: 70.35 ug/l
RT: 6.769 min Scan# 830
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:106 Resp: 158869

Ion	Ratio	Lower	Upper
106	100		
91	231.9	129.1	301.1

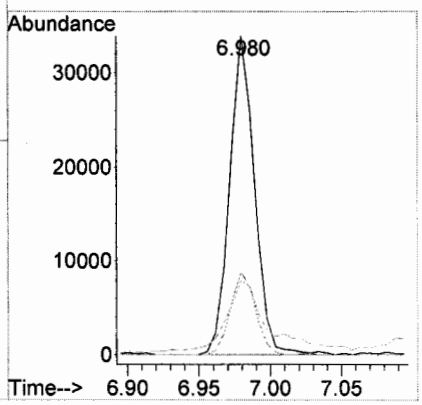


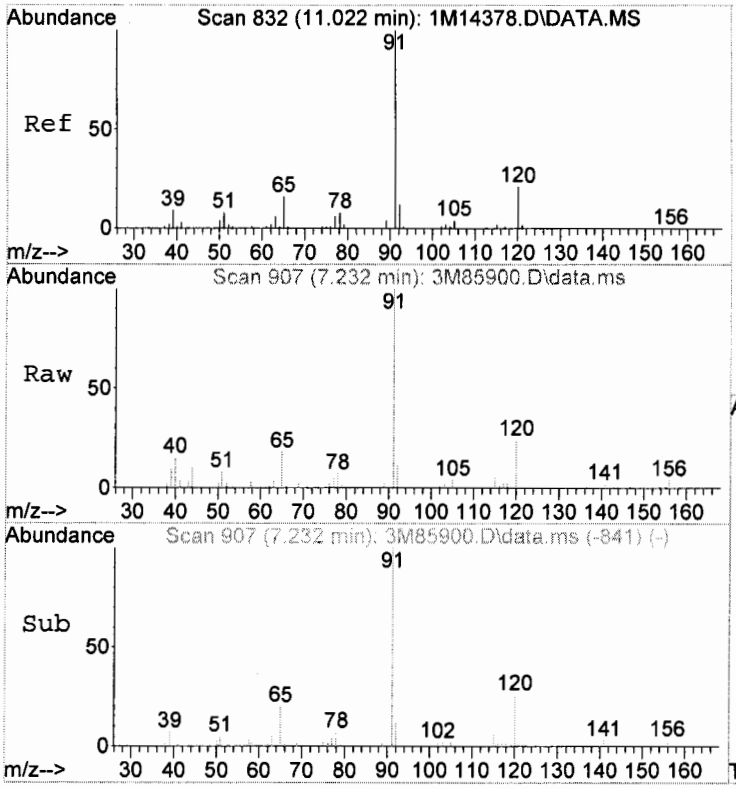


#75
Isopropylbenzene
Concen: 7.75 ug/l
RT: 6.980 min Scan# 865
Delta R.T. -0.010 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:105 Resp: 41391

Ion	Ratio	Lower	Upper
105	100		
120	26.0	0.0	66.9
77	41.0	0.0	58.3

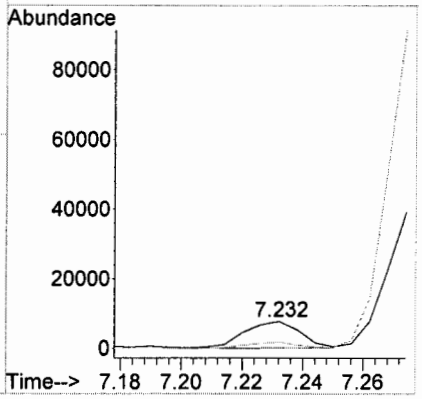


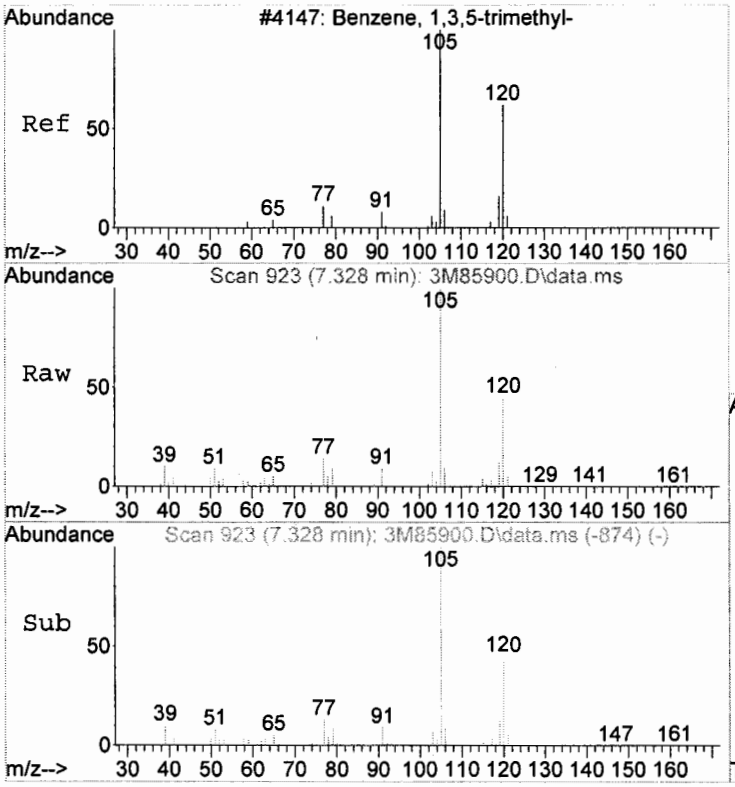


#82
n-Propylbenzene
Concen: 1.33 ug/l
RT: 7.232 min Scan# 907
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion: 91 Resp: 9879

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	61.6

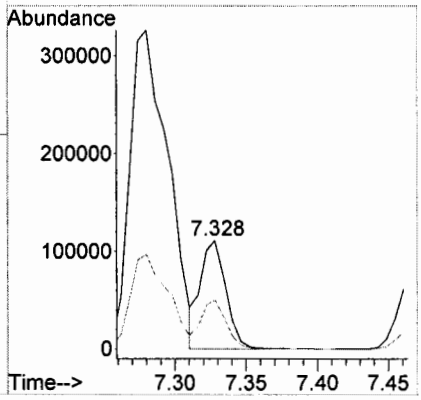


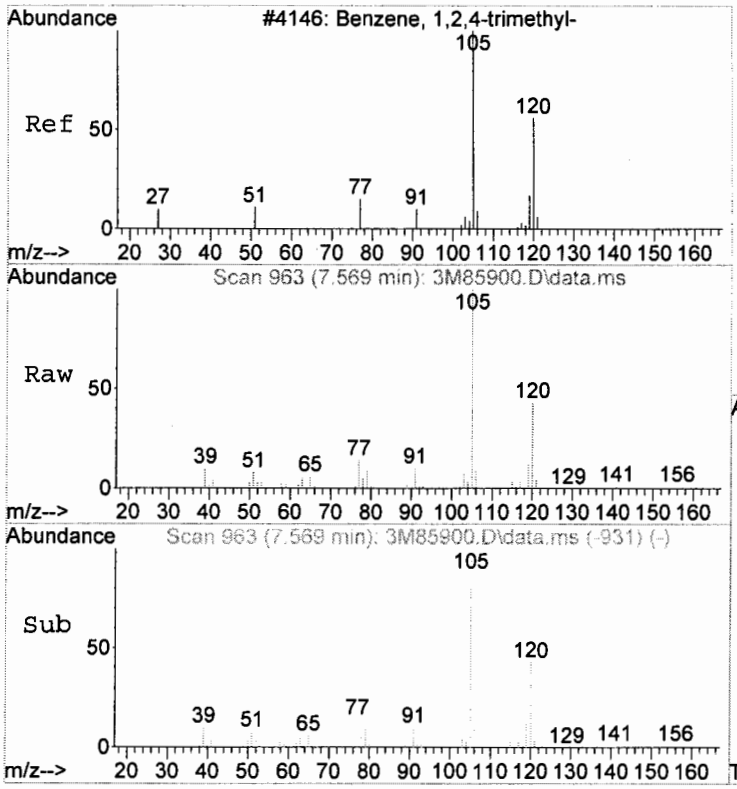


#84
1,3,5-Trimethylbenzene
Concen: 28.93 ug/l
RT: 7.328 min Scan# 923
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:105 Resp: 138529

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.0	63.0

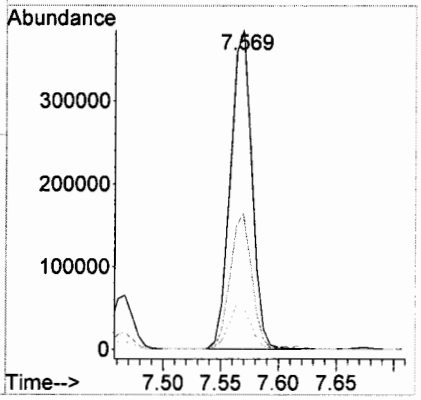


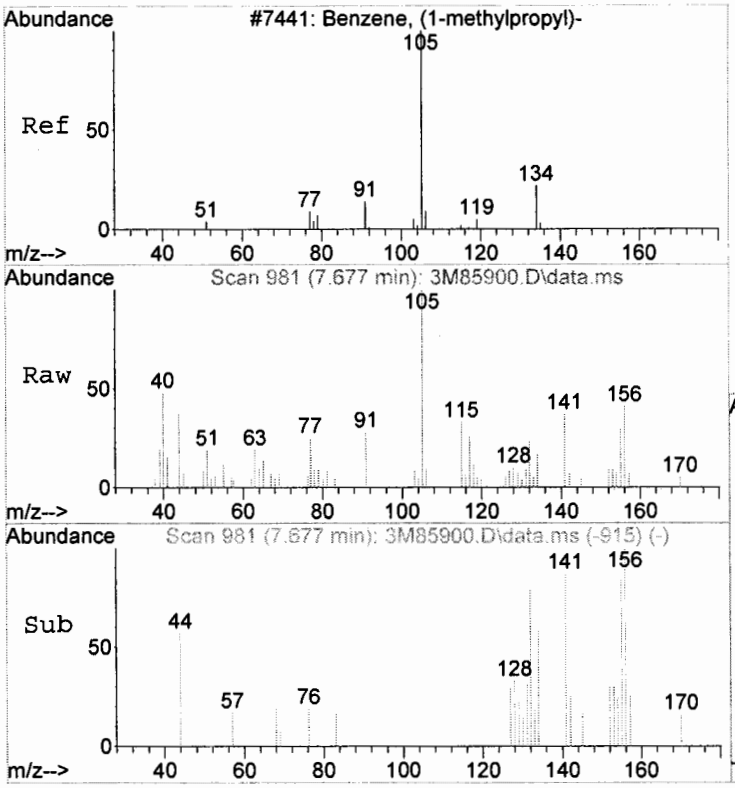


#86
1,2,4-Trimethylbenzene
Concen: 96.42 ug/l
RT: 7.569 min Scan# 963
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:105 Resp: 500181

Ion	Ratio	Lower	Upper
105	100		
120	43.0	12.2	92.2
77	14.4	0.0	66.0

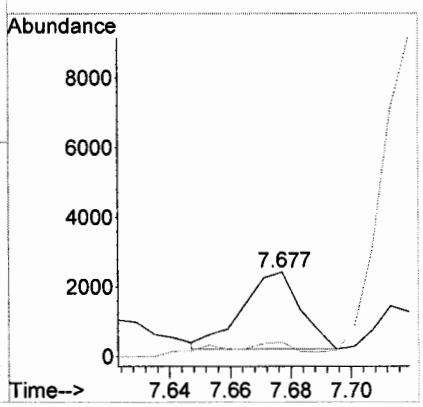


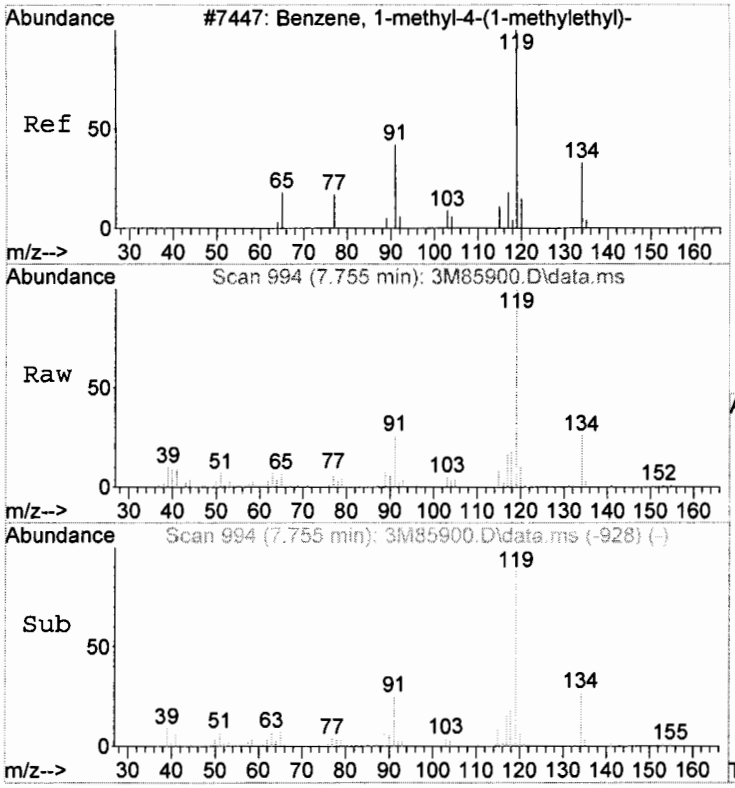


#87
sec-Butylbenzene
Concen: 0.57 ug/l
RT: 7.677 min Scan# 981
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:105 Resp: 2971

Ion	Ratio	Lower	Upper
105	100		
134	15.9	0.0	61.8

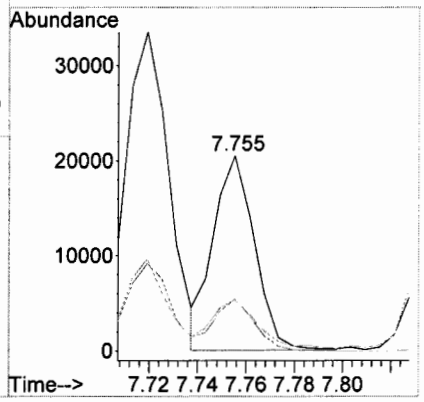




#88
4-Isopropyltoluene
Concen: 6.54 ug/l
RT: 7.755 min Scan# 994
Delta R.T. -0.005 min
Lab File: 3M85900.D
Acq: 30 Dec 2010 8:18

Tgt Ion:119 Resp: 24169

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	66.7
91	27.3	0.0	66.3



SPLP
GC/MS Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0472

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M84458.	CAL @ 20 PPB	12/01/10 11:54	2	3M84453.	CAL @ 5 PPB	12/01/10 10:28
3	3M84459.	CAL @ 10 PPB	12/01/10 12:22	4	3M84457.	CAL @ 50 PPB	12/01/10 11:38
5	3M84456.	CAL @ 100 PPB	12/01/10 11:21	6	3M84455.	CAL @ 250 PPB	12/01/10 11:04
7	3M84454.	CAL @ 500 PPB	12/01/10 10:47	8	3M84451.	CAL @ 1 PPB	12/01/10 09:46
9	3M84452.	CAL @ 0.5 PPB	12/01/10 10:06				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.5407	0.6007	0.4725	0.5481	0.5354	0.5632	0.5401	0.7375	-----	0.567	1.27	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.2698	0.2995	0.3207	0.2480	0.3554	0.3057	0.2562	0.2751	-----	0.291	1.25	0.988	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2088	0.1946	0.2102	0.2317	0.2352	0.2379	0.2506	0.1989	-----	0.221	1.38	0.999	1.00	9.3	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.0898	0.0863	0.0844	0.0804	0.0788	0.0604	-----	0.0657	-----	0.0780	1.70	0.985	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.1845	0.1579	0.1334	0.1848	0.1479	0.1739	0.1770	0.2030	-----	0.170	1.46	0.999	0.999	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.0279	0.0292	0.0247	0.0290	0.0253	0.0230	-----	0.0237	-----	0.0262	1.78	0.997	0.999	9.7		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Trichlorofluoromethane	1	0	Avg	0.1514	0.1416	0.1335	0.1519	0.1501	0.1497	0.1334	0.1610	-----	0.147	1.96	0.997	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.0577	0.1160	0.1040	0.0670	0.0826	0.0870	0.0745	0.0507	-----	0.0800	2.35	0.994	0.998	28		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2522	0.2638	0.2406	0.2568	0.2532	0.2453	0.2120	0.3351	-----	0.257	2.73	0.994	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0257	0.0229	0.0260	0.0256	0.0252	0.0249	0.0219	0.0271	-----	0.0250	2.29	0.996	1.00	6.8		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1345	0.1234	0.1280	0.1441	0.1438	0.1322	0.1137	0.0977	-----	0.127	2.94	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.3574	0.3277	0.3199	0.3521	0.3505	0.3455	0.2972	0.3059	-----	0.332	2.47	0.994	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1346	0.1223	0.1129	0.1316	0.1282	0.1284	0.1112	0.1751	-----	0.131	2.41	0.995	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.7768	0.6784	0.7409	0.7733	0.7663	0.7380	0.6453	0.6982	-----	0.727	2.53	0.995	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0130	0.0102	0.0108	0.0135	0.0141	0.0141	0.0121	0.0164	-----	0.0131	2.83	0.994	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.1583	0.0831	0.1279	0.1758	0.1893	0.1859	0.1660	0.1335	-----	0.153	3.15	0.996	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.0531	0.8614	1.0250	1.1567	1.1819	1.1158	0.9091	0.7441	-----	1.01	3.33	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Lin	0.1898	0.3368	0.3570	0.2087	0.2857	0.2878	0.2463	0.2874	-----	0.275	2.35	0.993	0.998	21	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3728	0.3398	0.3270	0.3665	0.3713	0.3796	0.3415	0.3657	-----	0.358	2.66	0.997	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.3168	0.2570	0.3009	0.3479	0.3564	0.3355	0.2555	0.2690	0.3156	0.306	2.94	0.979	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.4789	0.4848	0.4705	0.5176	0.5188	0.5083	0.4333	0.4538	-----	0.483	3.29	0.993	1.00	6.4	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2060	0.1986	0.1870	0.2058	0.2039	0.1831	0.1515	0.1927	-----	0.191	2.94	0.989	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.4772	0.4522	0.4521	0.4964	0.5108	0.4849	0.4010	0.4073	-----	0.460	3.77	0.990	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3561	0.3270	0.3390	0.3378	0.3591	0.3499	0.3065	0.3702	-----	0.343	3.95	0.995	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.1671	0.1565	0.1650	0.1954	0.2061	0.1919	0.1619	0.1711	-----	0.177	3.77	0.991	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0032	0.0022	0.0029	0.0034	0.0034	0.0030	0.0026	0.0024	-----	0.00293	5.01	0.992	1.00	15		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.3619	0.2989	0.3488	0.3704	0.3694	0.3457	0.2587	0.2808	-----	0.329	4.25	0.975	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.4273	0.4321	0.4240	0.4328	0.4428	0.4401	0.3748	0.4365	-----	0.426	4.01	0.993	1.00	5.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2570	0.2756	0.2629	0.2534	0.2544	0.2617	0.2281	0.2694	0.2827	0.261	4.12	-1	-1	6.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.3571	0.2079	0.2907	0.3650	0.4033	0.3923	0.3284	0.1729	-----	0.315	4.17	0.991	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.0565	0.0627	0.0613	0.0594	0.0571	0.0584	0.0555	0.0591	0.0641	0.0594	4.35	-1	-1	4.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4898	0.4727	0.4899	0.4679	0.4579	0.4428	0.3784	0.4615	0.5893	0.472	4.40	0.994	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.2473	0.2101	0.2372	0.2533	0.2603	0.2530	0.2182	0.2410	-----	0.240	3.79	0.994	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.2851	0.2535	0.2682	0.2921	0.3084	0.3183	0.2594	0.2716	-----	0.282	4.13	0.989	0.999	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2536	0.2312	0.2408	0.2526	0.2553	0.2503	0.1950	0.2378	-----	0.240	4.25	0.983	0.999	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.3091	1.1023	1.2404	1.4752	1.5015	1.4415	1.1723	1.0500	-----	1.29	3.32	0.988	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.3902	0.3511	0.3658	0.3992	0.4091	0.4079	0.3624	0.3221	-----	0.376	5.10	0.996	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	LinF	0.2173	0.1224	0.1749	0.2245	0.2387	0.2260	0.2030	0.1587	-----	0.196	4.90	0.996	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.2491	0.2480	0.2342	0.2484	0.2411	0.2163	0.1813	0.2223	-----	0.230	5.01	0.990	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3839	0.3436	0.3802	0.3811	0.3869	0.3693	0.3143	0.3652	-----	0.366	4.93	0.993	1.00	6.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2632	0.2523	0.2487	0.2591	0.2546	0.2369	0.1928	0.2771	-----	0.248	4.78	0.988	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.8

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0473

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M84458.	CAL @ 20 PPB	12/01/10 11:54	2	3M84453.	CAL @ 5 PPB	12/01/10 10:28
3	3M84459.	CAL @ 10 PPB	12/01/10 12:22	4	3M84457.	CAL @ 50 PPB	12/01/10 11:38
5	3M84456.	CAL @ 100 PPB	12/01/10 11:21	6	3M84455.	CAL @ 250 PPB	12/01/10 11:04
7	3M84454.	CAL @ 500 PPB	12/01/10 10:47	8	3M84451.	CAL @ 1 PPB	12/01/10 09:46
9	3M84452.	CAL @ 0.5 PPB	12/01/10 10:06				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	Avg	1.1064	1.0915	1.0918	1.0696	1.0385	0.9594	0.7597	1.1016	1.2174	1.05	4.39	0.984	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.3398	0.2886	0.3178	0.3479	0.3578	0.3439	0.2710	0.2558	-----	0.315	4.45	0.984	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.3687	0.3303	0.3551	0.3784	0.4004	0.4068	0.3852	0.3156	-----	0.368	6.05	0.999	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.2932	0.1967	0.2498	0.3016	0.3141	0.3330	0.3346	0.1802	-----	0.275	5.27	1.00	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.4861	0.3709	0.4335	0.5334	0.5731	0.6161	0.6212	0.3093	-----	0.493	5.36	1.00	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.4012	0.3132	0.3616	0.4577	0.5079	0.5573	0.5662	0.2776	-----	0.430	5.69	1.00	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3611	0.3474	0.3691	0.3462	0.3480	0.3345	0.3100	0.3740	-----	0.349	5.81	0.998	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4080	0.3687	0.4020	0.3992	0.3987	0.4140	0.3775	0.3290	-----	0.387	6.13	0.998	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7031	0.6403	0.7305	0.6759	0.6724	0.6346	0.5761	0.6981	-----	0.666	5.91	0.997	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.6507	0.4412	0.6063	0.6539	0.6856	0.7312	0.7591	0.4649	-----	0.624	5.45	1.00	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4695	0.3189	0.4101	0.4942	0.5078	0.5349	0.5390	0.3101	-----	0.448	5.94	1.00	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2892	0.2593	0.2689	0.2660	0.2678	0.2393	0.1989	0.3415	-----	0.266	5.90	0.989	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	0.8231	0.8181	0.8549	0.8104	0.8205	0.8406	0.9677	0.8365	0.8255	0.844	5.52	-1	-1	5.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8580	0.7710	0.8385	0.8059	0.7959	0.7407	0.6664	0.8524	-----	0.791	5.57	0.997	1.00	8.2	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.3004	0.2922	0.2941	0.2880	0.2868	0.2596	0.2054	0.3210	-----	0.281	6.46	0.983	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.9571	0.9527	0.9295	0.9148	0.9049	0.8496	0.7063	1.0070	-----	0.903	6.41	0.990	1.00	10	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Lin	0.4307	0.3985	0.4068	0.4668	0.4921	0.5157	0.5972	0.3631	-----	0.459	6.92	0.996	1.00	16	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.5599	0.5344	0.6078	0.5417	0.5234	0.4020	-----	0.5279	-----	0.528	6.46	0.985	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.9745	0.9639	0.9275	0.9492	0.8582	0.7839	0.8097	0.9197	-----	0.898	7.17	0.999	0.999	8.0	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8886	0.8403	0.8902	0.8064	0.8143	0.7971	1.0473	0.8403	0.8342	0.862	7.10	-1	-1	8.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.4137	1.2839	1.5240	1.3869	1.3776	1.1287	1.0301	1.0572	-----	1.28	6.78	0.995	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	0.7871	0.7430	0.9005	0.7827	0.7473	0.5787	-----	0.7414	0.9522	0.779	6.53	0.986	1.00	14		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	0.7818	0.6997	0.8709	0.7693	0.7686	0.6176	0.5696	0.6397	-----	0.715	6.77	0.995	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.3913	0.3622	0.4476	0.3941	0.3881	0.3575	0.3759	0.3282	-----	0.381	7.20	0.999	1.00	9.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.2856	1.1971	1.2228	1.2588	1.1955	1.0635	0.9115	1.1362	-----	1.16	7.78	0.992	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.2982	1.1623	1.3205	1.2805	1.2674	1.1537	1.0283	1.3560	-----	1.23	7.83	0.996	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.2677	1.1103	1.2444	1.2693	1.2665	1.1339	1.2126	1.3622	-----	1.23	8.08	0.999	0.999	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	1.7635	1.4280	1.7856	1.8003	1.8448	1.6891	1.7626	1.4453	-----	1.69	6.99	0.999	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0291	0.0253	0.0268	0.0304	0.0325	0.0334	0.0375	0.0495	-----	0.0331	7.08	0.997	1.00	23		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.4673	0.2516	0.3681	0.4558	0.4481	0.4015	0.4230	0.3426	-----	0.395	7.16	0.999	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	1.0181	0.9830	1.0492	1.0001	0.9235	0.8534	0.8606	1.0555	-----	0.968	7.21	1.00	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.5107	1.4144	1.4898	1.5019	1.4131	1.0773	-----	1.5092	-----	1.42	7.31	0.983	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Avg	2.2526	1.7602	2.0944	2.0216	1.9106	1.5485	-----	1.4682	-----	1.87	7.30	0.990	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Chlorotoluene	1	0	Avg	1.5370	1.4209	1.5734	1.4902	1.5282	1.3554	1.2170	1.1433	-----	1.41	7.38	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.6193	2.1026	2.4934	2.5958	2.3864	2.1749	2.3144	2.0607	-----	2.34	7.24	0.999	0.999	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.5957	1.5704	1.6929	1.6024	1.4643	1.2955	1.2983	1.7250	-----	1.53	7.21	0.999	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	1.5566	1.3947	1.5688	1.7257	1.7136	1.5337	1.3937	1.2377	-----	1.52	7.33	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.4148	0.9820	1.2794	1.4502	1.4900	1.3550	1.2447	1.0476	-----	1.28	7.55	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	1.8495	1.3546	1.7973	1.8170	1.8745	1.6928	1.5585	1.1892	-----	1.64	7.57	0.997	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	1.7551	1.1884	1.5569	1.7854	1.8216	1.7315	1.6284	1.1126	-----	1.57	7.68	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	LinF	1.3611	0.8668	1.1840	1.3957	1.4129	1.2598	1.1350	0.8018	-----	1.18	7.76	0.996	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 12.8

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0474

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M84458.	CAL @ 20 PPB	12/01/10 11:54	2	3M84453.	CAL @ 5 PPB	12/01/10 10:28
3	3M84459.	CAL @ 10 PPB	12/01/10 12:22	4	3M84457.	CAL @ 50 PPB	12/01/10 11:38
5	3M84456.	CAL @ 100 PPB	12/01/10 11:21	6	3M84455.	CAL @ 250 PPB	12/01/10 11:04
7	3M84454.	CAL @ 500 PPB	12/01/10 10:47	8	3M84451.	CAL @ 1 PPB	12/01/10 09:46
9	3M84452.	CAL @ 0.5 PPB	12/01/10 10:06				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Butylbenzene	1	0	Avg	1.6484	1.0788	1.5738	1.6211	1.6727	1.5400	1.5354	1.2699	-----	1.49	8.02	1.00	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	0.8249	0.5085	0.7087	0.8259	0.8496	0.7765	0.7266	0.6011	-----	0.728	8.00	0.998	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.2329	0.6411	0.9889	1.2981	1.3681	1.2824	1.4018	0.8903	-----	1.14	8.51	0.998	1.00	24	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chlorop	1	0	LinF	0.1508	0.1015	0.1297	0.1682	0.1822	0.1930	0.2313	0.1220	-----	0.160	8.58	0.994	1.00	27	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0661	0.0324	0.0501	0.0701	0.0749	0.0721	0.0789	0.0357	0.0231	0.0560	9.04	0.998	1.00	38	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.3099	0.1729	0.3447	0.2884	0.2959	0.2717	0.2925	0.2485	-----	0.278	9.20	0.999	0.999	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	0.7554	0.5252	0.7423	0.7481	0.7565	0.6994	0.7472	0.5166	-----	0.686	9.11	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	LinF	0.7364	0.5264	0.8030	0.7254	0.7399	0.6860	0.7303	0.4940	-----	0.680	9.44	0.999	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	2.0611	1.2665	1.9209	2.1092	2.1630	1.9920	2.1266	1.0162	-----	1.83	9.29	0.999	1.00	24	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags	
a - failed the spcc criteria	** - ccc compound*
b - failed the ccc criteria	*** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)	

Note: Avg Rsd: 12.8

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84458.D Sam Mult : 1 Vial# : 77 Qt On : 12/01/10 12:36
Acq On : 12/ 1/10 11:54 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.567	96	170502	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.407	117	140162	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.826	152	96745	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.128	111	43831	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.40%			
35) 1,2-Dichloroethane-d4	4.363	102	9647	28.56	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.20%			
59) Toluene-d8	5.535	100	115369	31.51	ug/l	0.01
Spiked Amount 30.000			Recovery = 105.03%			
67) Bromofluorobenzene	7.111	174	85972	30.11	ug/l	0.01
Spiked Amount 30.000			Recovery = 100.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.280	51	61468	19.55	ug/l #	2
6) Dichlorodifluoromethane	1.263	85	30674	34.49	ug/l	94
7) Chloromethane	1.396	50	23742	22.80	ug/l	89
8) Bromomethane	1.712	94	10215	26.57	ug/l	98
9) Vinyl Chloride	1.463	62	20973	24.76	ug/l	99
10) Chloroethane	1.779	66	3178	22.81	ug/l	84
11) Trichlorofluoromethane	1.962	101	17214	17.59	ug/l	91
12) 1,1,2-Trichloro-1,2,2-...	2.354	101	6569	9.07	ug/l	91
13) Methylene Chloride	2.739	84	28673	20.37	ug/l	87
14) Acrolein	2.300	56	14656	131.35	ug/l	93
15) Acrylonitrile	2.943	53	15289	24.12	ug/l	93
16) Iodomethane	2.486	142	40625	22.05	ug/l	94
17) Acetone	2.420	43	76531	124.15	ug/l	97
18) Carbon Disulfide	2.535	76	88305	26.28	ug/l	100
19) t-Butyl Alcohol	2.841	59	7403	107.48	ug/l	88
20) n-Hexane	3.154	57	18003	17.97	ug/l	80
21) Di-isopropyl-ether	3.340	45	119707	21.93	ug/l	77
22) 1,1-Dichloroethene	2.360	61	21579	9.54	ug/l	82
23) Methyl Acetate	2.661	43	42386	22.39	ug/l	100
24) Methyl-t-butyl ether	2.955	73	36010	19.87	ug/l	60
25) 1,1-Dichloroethane	3.298	63	54436	20.90	ug/l	94
26) trans-1,2-Dichloroethene	2.955	96	23416	21.96	ug/l	94
27) cis-1,2-Dichloroethene	3.779	61	54245	21.71	ug/l	84
28) Bromochloromethane	3.960	49	40480	21.58	ug/l	85
29) 2,2-Dichloropropane	3.779	77	18995	17.33	ug/l	95
30) 1,4-Dioxane	5.024	88	18645	1144.39	ug/l	73
31) 1,1-Dichloropropene	4.254	75	41145	21.84	ug/l	98
32) Chloroform	4.014	83	48573	20.86	ug/l	98
34) Cyclohexane	4.182	56	40596	20.32	ug/l	77
36) 1,2-Dichloroethane	4.411	62	55675	21.68	ug/l	99
37) 2-Butanone	3.797	43	28118	27.18	ug/l	72
38) 1,1,1-Trichloroethane	4.146	97	32415	20.61	ug/l	100
39) Carbon Tetrachloride	4.260	117	28826	21.66	ug/l	93
40) Vinyl Acetate	3.334	43	148808	22.92	ug/l	100
41) Bromodichloromethane	5.102	83	44357	20.52	ug/l	95
42) Methylcyclohexane	4.916	83	24702	19.69	ug/l	82
43) Dibromomethane	5.018	174	28324	20.80	ug/l	94
44) 1,2-Dichloropropane	4.940	63	43640	20.83	ug/l	99
45) Trichloroethene	4.796	130	29925	20.40	ug/l	91
46) Benzene	4.399	78	125773	21.35	ug/l	100
47) tert-Amyl methyl ether	4.459	73	38629	18.93	ug/l	55
49) Dibromochloromethane	6.064	129	34453	21.54	ug/l	98
50) 2-Chloroethylvinylether	5.271	63	27405	23.77	ug/l	81
51) cis-1,3-Dichloropropene	5.373	75	45430	21.86	ug/l	94
52) trans-1,3-Dichloropropene	5.698	75	37493	21.39	ug/l	95
53) 1,1,2-Trichloroethane	5.818	97	33750	22.85	ug/l	97
54) 1,2-Dibromoethane	6.143	107	38125	22.98	ug/l	92
55) 1,3-Dichloropropane	5.920	76	65703	24.14	ug/l	93
56) 4-Methyl-2-Pentanone	5.457	43	60806	24.90	ug/l	96
57) 2-Hexanone	5.950	43	43876	24.49	ug/l	87
58) Tetrachloroethene	5.908	164	27031	22.60	ug/l	99
60) Toluene	5.577	92	80178	23.35	ug/l	100
61) 1,1,1,2-Tetrachloroethane	6.467	133	28071	21.41	ug/l	85
62) Chlorobenzene	6.425	112	89439	21.01	ug/l	95
64) Bromoform	6.930	173	27780	17.84	ug/l	94
65) Ethylbenzene	6.473	106	36112	19.37	ug/l	88
66) 1,1,2,2-Tetrachloroethane	7.177	83	62855	21.64	ug/l	88
68) Styrene	6.792	104	91179	19.71	ug/l	97
69) m&p-Xylenes	6.539	106	101536	39.03	ug/l	93

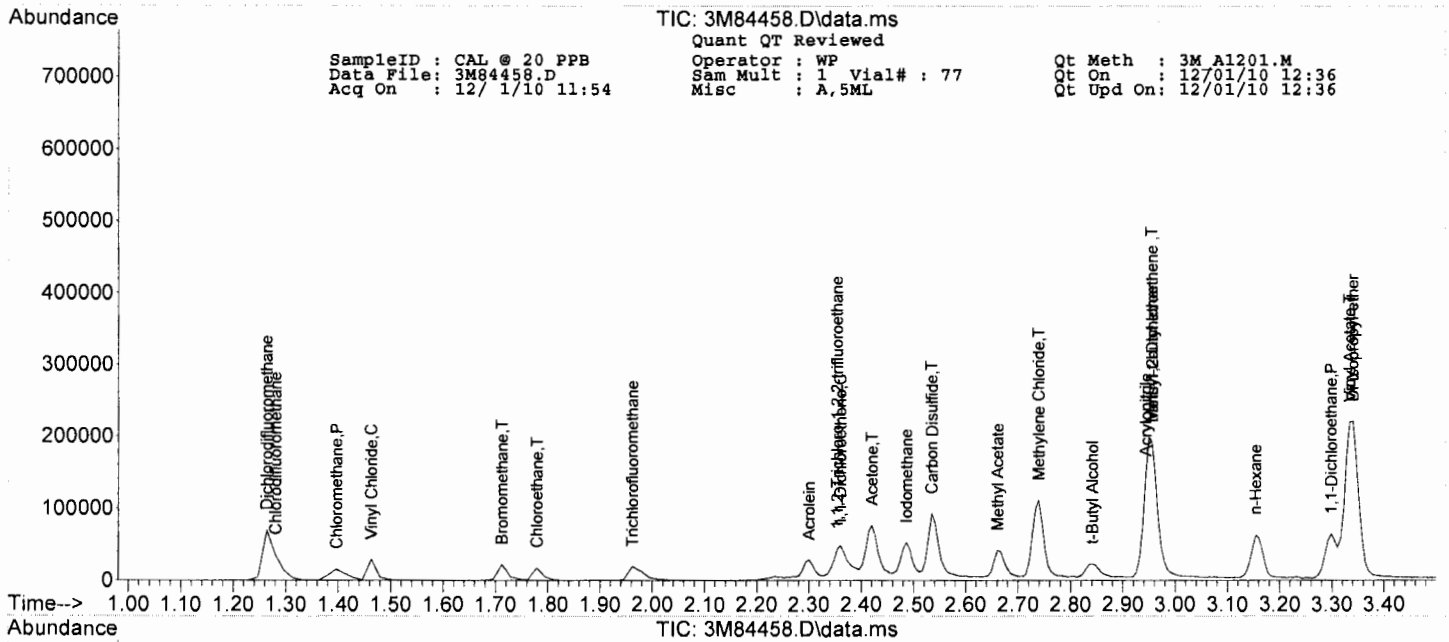
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84458.D Sam Mult : 1 Vial# : 77 Qt On : 12/01/10 12:36
Acq On : 12/ 1/10 11:54 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.786	106	50429	18.49	ug/l	77
71)	trans-1,4-Dichloro-2-b...	7.207	53	25240	26.08	ug/l	48
72)	1,3-Dichlorobenzene	7.790	146	82919	21.75	ug/l	98
73)	1,4-Dichlorobenzene	7.844	146	83735	20.15	ug/l	96
74)	1,2-Dichlorobenzene	8.091	146	81765	20.93	ug/l	98
75)	Isopropylbenzene	6.996	105	113744	18.13	ug/l	98
76)	Cyclohexanone	7.087	55	9394	94.25	ug/l	94
77)	Camphene	7.183	93	30142	34.43	ug/l	92
78)	1,2,3-Trichloropropane	7.219	75	65667	21.49	ug/l	92
79)	2-Chlorotoluene	7.321	91	97440	22.13	ug/l	97
80)	p-Ethyltoluene	7.315	105	145286	23.12	ug/l	92
81)	4-Chlorotoluene	7.387	91	99136	21.68	ug/l	97
82)	n-Propylbenzene	7.249	91	168941	20.92	ug/l	100
83)	Bromobenzene	7.219	77	102923	20.89	ug/l	93
84)	1,3,5-Trimethylbenzene	7.345	105	100397	20.19	ug/l	86
85)	t-Butylbenzene	7.562	119	91250	20.81	ug/l	98
86)	1,2,4-Trimethylbenzene	7.586	105	119292	21.65	ug/l	87
87)	sec-Butylbenzene	7.694	105	113203	20.95	ug/l	94
88)	4-Isopropyltoluene	7.772	119	87787	21.73	ug/l	99
89)	n-Butylbenzene	8.031	91	106321	21.73	ug/l	98
90)	p-Diethylbenzene	8.013	119	53208	20.64	ug/l	94
91)	1,2,4,5-Tetramethylben...	8.518	119	79519	20.79	ug/l	99
92)	1,2-Dibromo-3-Chloropr...	8.590	157	9728	19.56	ug/l	99
93)	Camphor	9.065	95	42668	487.36	ug/l	88
94)	Hexachlorobutadiene	9.215	225	19991	23.73	ug/l	98
95)	1,2,4-Trichlorobenzene	9.125	180	48726	22.28	ug/l	99
96)	1,2,3-Trichlorobenzene	9.456	180	47500	22.70	ug/l	98
97)	Naphthalene	9.299	128	132934	23.41	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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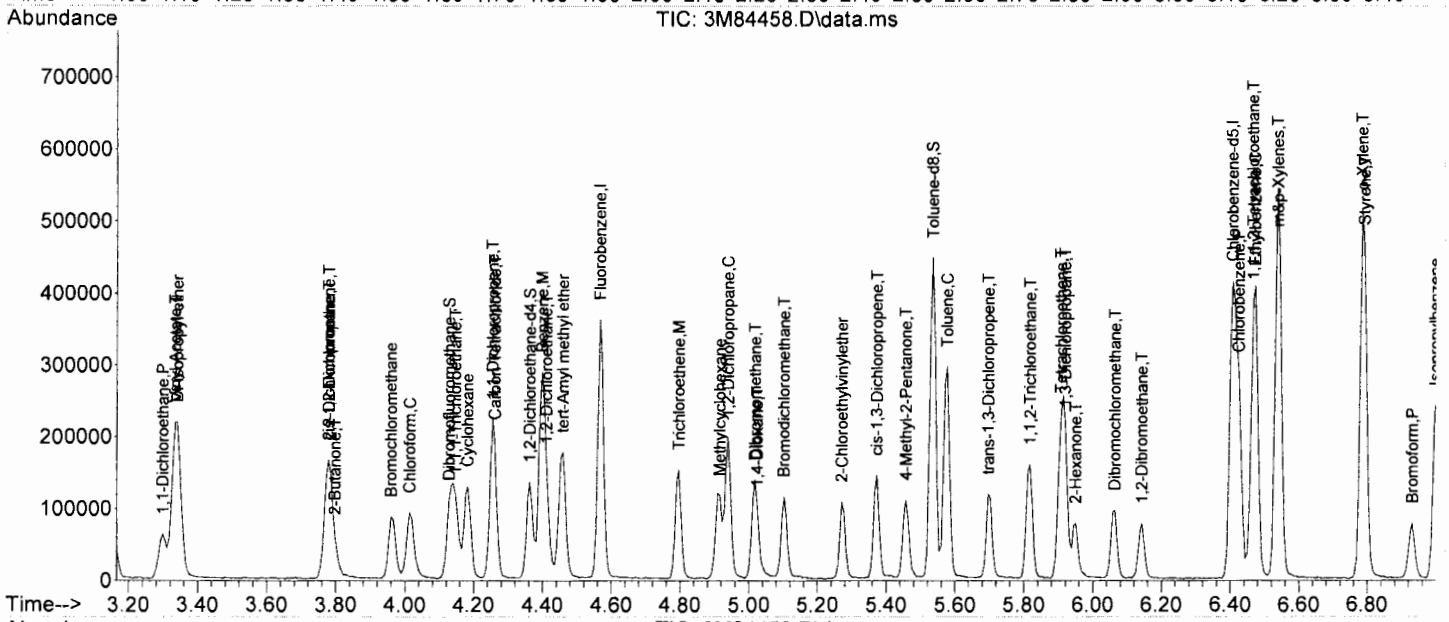
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M84458.D
Acq On : 12/ 1/10 11:54
Operator : WP
Sam Mult : 1 Vial# : 77
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:36
Qt Upd On: 12/01/10 12:36
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->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1,1-Dichloroethane,P
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Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
1,2-Dichloropropane,C
1,4-Dioxane,T
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
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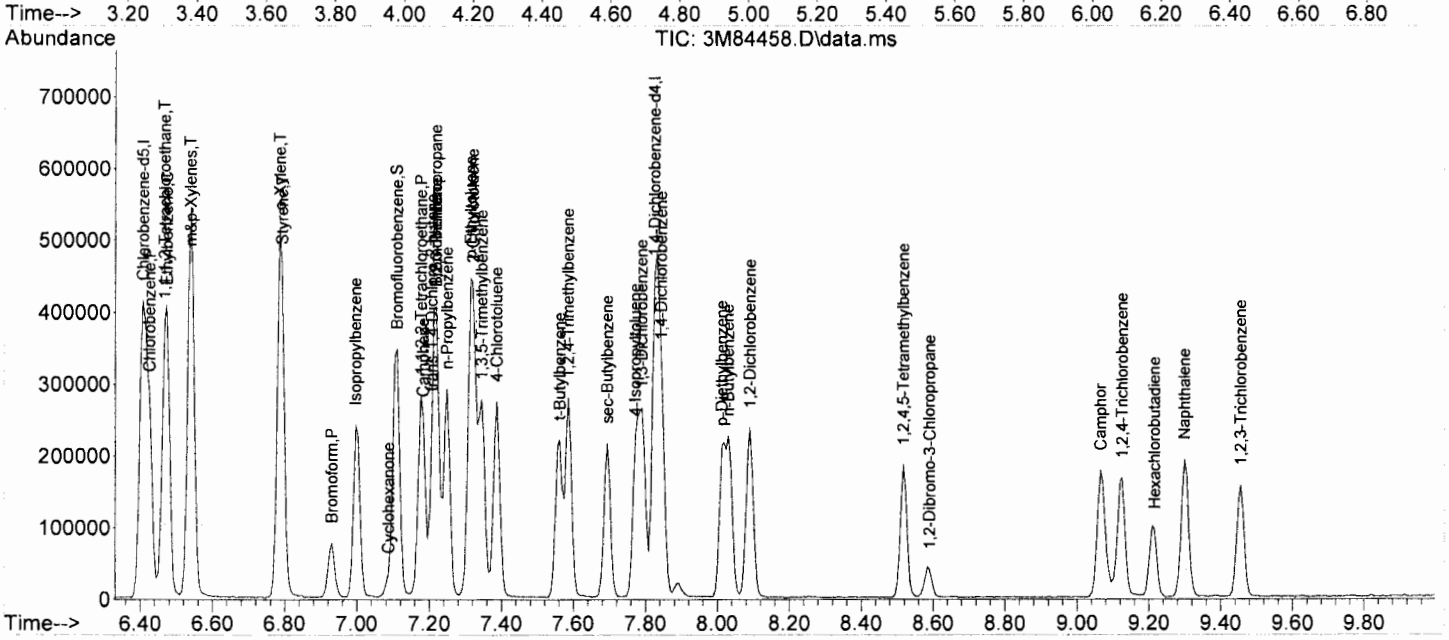
Abundance
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Chlorobenzene-d5,I
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 3M84453.D
Acq On : 12/ 1/10 10:28

Operator : WP
Sam Mult : 1 Vial# : 72
Misc : A,5ML

Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.567	96	184752	30.00	ug/l		0.00
48) Chlorobenzene-d5	6.401	117	149657	30.00	ug/l		0.00
63) 1,4-Dichlorobenzene-d4	7.826	152	89180	30.00	ug/l		0.01
System Monitoring Compounds							
33) Dibromofluoromethane	4.122	111	50926	31.98	ug/l		0.00
Spiked Amount 30.000			Recovery = 106.60%				
35) 1,2-Dichloroethane-d4	4.357	102	11587	31.66	ug/l		0.00
Spiked Amount 30.000			Recovery = 105.53%				
59) Toluene-d8	5.529	100	122447	31.32	ug/l		0.00
Spiked Amount 30.000			Recovery = 104.40%				
67) Bromofluorobenzene	7.105	174	74945	28.47	ug/l		0.00
Spiked Amount 30.000			Recovery = 94.90%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.259	51	18499	5.43	ug/l		80
6) Dichlorodifluoromethane	1.259	85	9223	9.57	ug/l		90
7) Chloromethane	1.392	50	5995	5.31	ug/l		92
8) Bromomethane	1.708	94	2659	6.38	ug/l		93
9) Vinyl Chloride	1.458	62	4863	5.30	ug/l		97
10) Chloroethane	1.774	66	899	5.95	ug/l		99
11) Trichlorofluoromethane	1.957	101	4360	4.11	ug/l		95
12) 1,1,2-Trichloro-1,2,2-...	2.348	101	3572	4.55	ug/l		89
13) Methylene Chloride	2.733	84	8123	5.32	ug/l		88
14) Acrolein	2.294	56	3536	29.25	ug/l		87
15) Acrylonitrile	2.944	53	3802	5.54	ug/l		76
16) Iodomethane	2.481	142	10091	5.06	ug/l		88
17) Acetone	2.414	43	18840	28.20	ug/l		87
18) Carbon Disulfide	2.535	76	20891	5.74	ug/l		100
19) t-Butyl Alcohol	2.829	59	1577	21.13	ug/l		63
20) n-Hexane	3.154	57	2560	2.36	ug/l	#	52
21) Di-isopropyl-ether	3.334	45	26527	4.49	ug/l		75
22) 1,1-Dichloroethene	2.354	61	10372	4.23	ug/l		84
23) Methyl Acetate	2.655	43	10463	5.10	ug/l		100
24) Methyl-t-butyl ether	2.950	73	7916	4.03	ug/l		48
25) 1,1-Dichloroethane	3.292	63	14929	5.29	ug/l		98
26) trans-1,2-Dichloroethene	2.944	96	6117	5.30	ug/l		84
27) cis-1,2-Dichloroethene	3.773	61	13924	5.14	ug/l		84
28) Bromochloromethane	3.954	49	10070	4.95	ug/l		80
29) 2,2-Dichloropropane	3.773	77	4820	4.06	ug/l		82
30) 1,4-Dioxane	5.018	88	3513	198.99	ug/l		60
31) 1,1-Dichloropropene	4.248	75	9206	4.51	ug/l		97
32) Chloroform	4.008	83	13308	5.27	ug/l		97
34) Cyclohexane	4.176	56	6404	2.96	ug/l		84
36) 1,2-Dichloroethane	4.405	62	14558	5.23	ug/l		92
37) 2-Butanone	3.797	43	6471	5.77	ug/l		74
38) 1,1,1-Trichloroethane	4.140	97	7806	4.58	ug/l		96
39) Carbon Tetrachloride	4.254	117	7121	4.94	ug/l		87
40) Vinyl Acetate	3.328	43	33942	4.82	ug/l		100
41) Bromodichloromethane	5.096	83	10813	4.62	ug/l		94
42) Methylcyclohexane	4.904	83	3770	2.77	ug/l		77
43) Dibromomethane	5.012	174	7639	5.18	ug/l		95
44) 1,2-Dichloropropane	4.934	63	10581	4.66	ug/l		93
45) Trichloroethene	4.790	130	7771	4.89	ug/l		87
46) Benzene	4.393	78	33610	5.27	ug/l		100
47) tert-Amyl methyl ether	4.453	73	8889	4.02	ug/l		47
49) Dibromochloromethane	6.058	129	8239	4.83	ug/l		98
50) 2-Chloroethylvinylether	5.271	63	4908	3.99	ug/l		95
51) cis-1,3-Dichloropropene	5.367	75	9252	4.17	ug/l		87
52) trans-1,3-Dichloropropene	5.698	75	7813	4.17	ug/l		91
53) 1,1,2-Trichloroethane	5.812	97	8666	5.49	ug/l		86
54) 1,2-Dibromoethane	6.137	107	9198	5.19	ug/l		88
55) 1,3-Dichloropropane	5.914	76	15972	5.50	ug/l		91
56) 4-Methyl-2-Pentanone	5.457	43	11006	4.22	ug/l		97
57) 2-Hexanone	5.944	43	7956	4.16	ug/l		87
58) Tetrachloroethene	5.902	164	6468	5.06	ug/l		94
60) Toluene	5.571	92	19232	5.25	ug/l		86
61) 1,1,1,2-Tetrachloroethane	6.461	133	7289	5.21	ug/l		96
62) Chlorobenzene	6.419	112	23763	5.23	ug/l		93
64) Bromoform	6.924	173	5923	4.13	ug/l		84
65) Ethylbenzene	6.467	106	7943	4.62	ug/l		85
66) 1,1,2,2-Tetrachloroethane	7.171	83	14328	5.35	ug/l		83
68) Styrene	6.786	104	19083	4.47	ug/l		98
69) m&p-Xylenes	6.534	106	22088	9.21	ug/l		88

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 3M84453.D
Acq On : 12/ 1/10 10:28

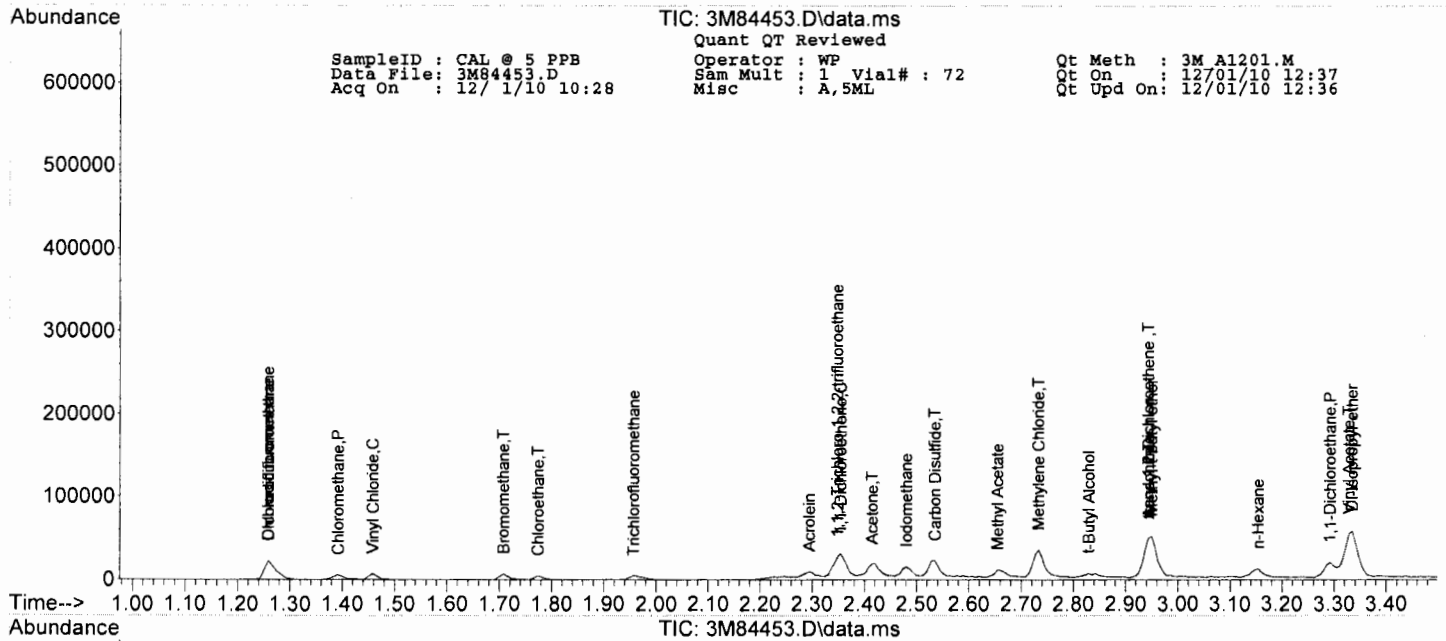
Operator : WP
Sam Mult : 1 Vial# : 72
Misc : A,5ML

Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.780	106	10401	4.14	ug/l	87
71)	trans-1,4-Dichloro-2-b...	7.201	53	5384	6.04	ug/l	52
72)	1,3-Dichlorobenzene	7.784	146	17793	5.06	ug/l	93
73)	1,4-Dichlorobenzene	7.838	146	17277m	4.51	ug/l	
74)	1,2-Dichlorobenzene	8.085	146	16503	4.58	ug/l	95
75)	Isopropylbenzene	6.997	105	21226	3.67	ug/l	97
76)	Cyclohexanone	7.081	55	1882	20.48	ug/l	80
77)	Camphene	7.171	93	3740	4.63	ug/l	96
78)	1,2,3-Trichloropropane	7.213	75	14612	5.19	ug/l	95
79)	2-Chlorotoluene	7.321	91	21024	5.18	ug/l	96
80)	p-Ethyltoluene	7.309	105	26163	4.52	ug/l	91
81)	4-Chlorotoluene	7.381	91	21120	5.01	ug/l	95
82)	n-Propylbenzene	7.243	91	31253	4.20	ug/l	97
83)	Bromobenzene	7.213	77	23342	5.14	ug/l	89
84)	1,3,5-Trimethylbenzene	7.339	105	20731	4.52	ug/l	96
85)	t-Butylbenzene	7.556	119	14597	3.61	ug/l	94
86)	1,2,4-Trimethylbenzene	7.580	105	20134	3.96	ug/l	88
87)	sec-Butylbenzene	7.688	105	17664	3.55	ug/l	95
88)	4-Isopropyltoluene	7.772	119	12884	3.46	ug/l	97
89)	n-Butylbenzene	8.031	91	16035	3.55	ug/l	96
90)	p-Diethylbenzene	8.013	119	7558	3.18	ug/l	94
91)	1,2,4,5-Tetramethylben...	8.512	119	9529	2.70	ug/l	98
92)	1,2-Dibromo-3-Chloropr...	8.584	157	1509	3.29	ug/l	96
93)	Camphor	9.065	95	4827	59.81	ug/l	93
94)	Hexachlorobutadiene	9.209	225	2570	3.31	ug/l	94
95)	1,2,4-Trichlorobenzene	9.119	180	7807	3.87	ug/l	97
96)	1,2,3-Trichlorobenzene	9.450	180	7825	4.06	ug/l	96
97)	Naphthalene	9.294	128	18825	3.60	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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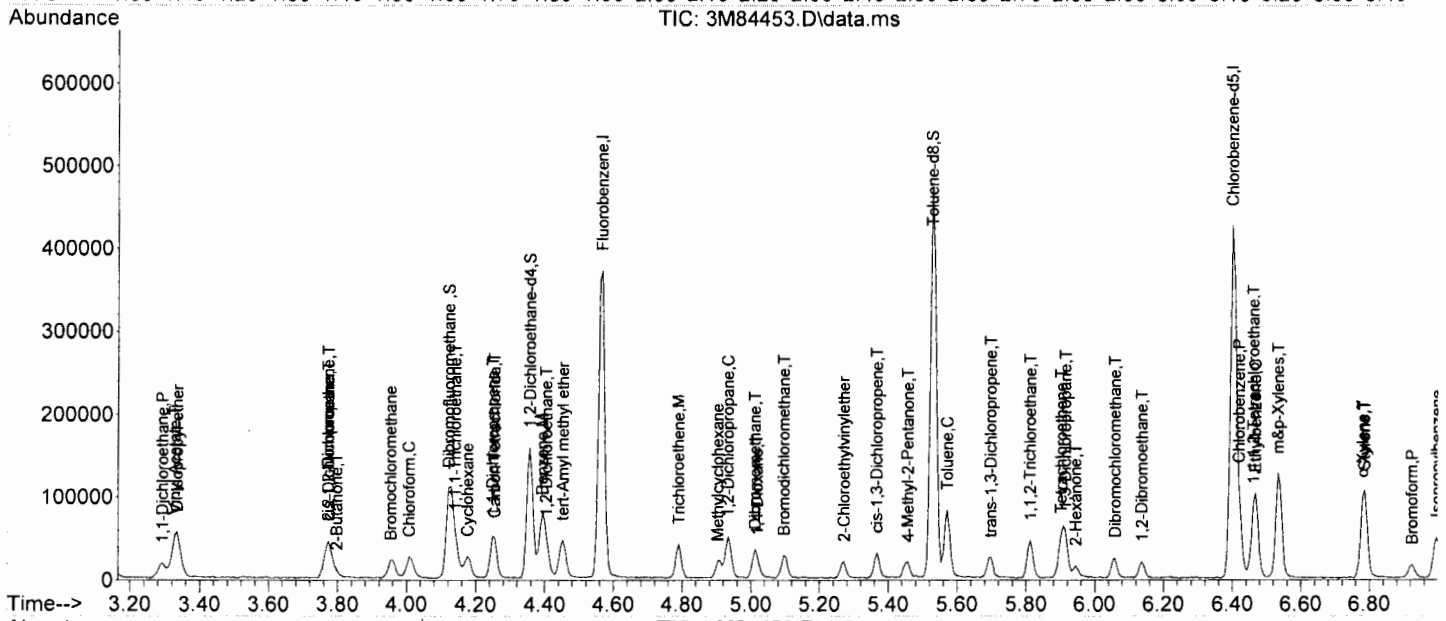
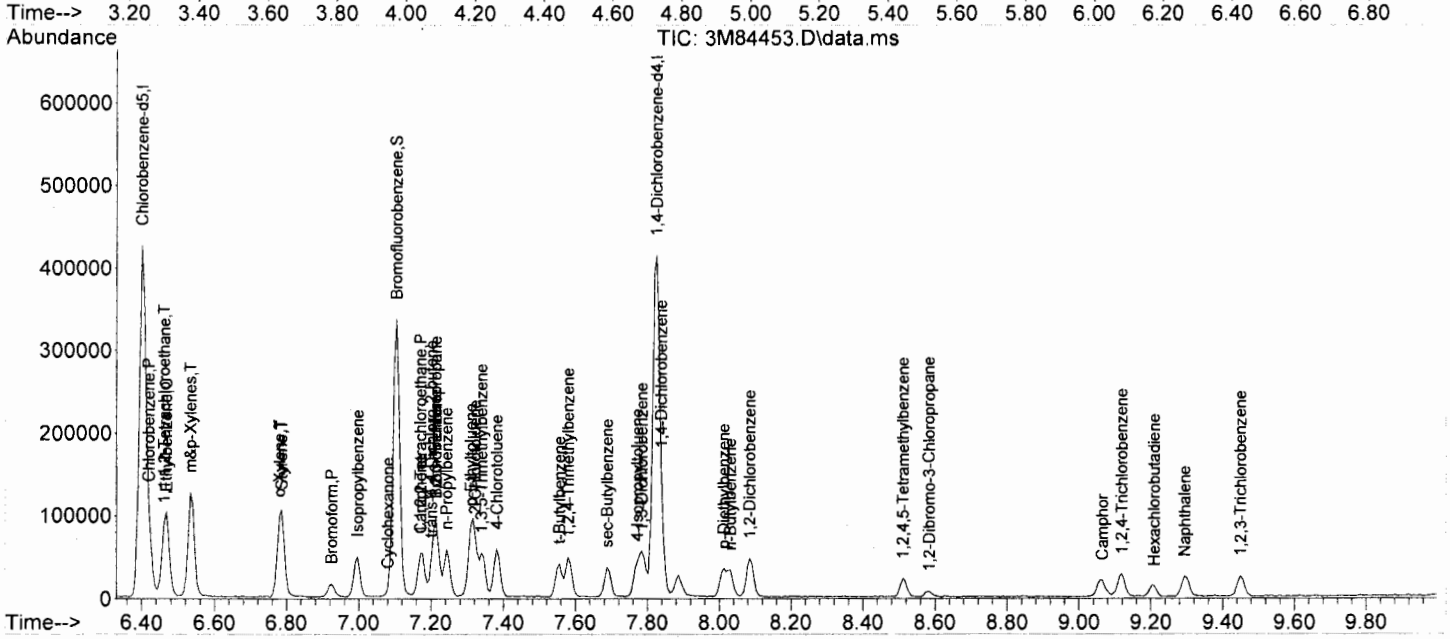
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 3M84453.D
Acq On : 12/ 1/10 10:28
Operator : WP
Sam Mult : 1 Vial# : 72
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M84453.D\data.ms
1,1-Dichloroethane,P
2-Butanone,I
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,I
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->


Abundance
TIC: 3M84453.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
Bromoform,P
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84459.D Sam Mult : 1 Vial# : 1 Qt On : 12/01/10 12:52
Acq On : 12/ 1/10 12:22 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.566	96	176035	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.406	117	139239	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.832	152	78903	30.00	ug/l	0.02
System Monitoring Compounds						
33) Dibromofluoromethane	4.127	111	46292	30.51	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.70%		
35) 1,2-Dichloroethane-d4	4.362	102	10801	30.97	ug/l	0.01
Spiked Amount 30.000			Recovery =	103.23%		
59) Toluene-d8	5.534	100	119044	32.73	ug/l	0.01
Spiked Amount 30.000			Recovery =	109.10%		
67) Bromofluorobenzene	7.110	174	70244	30.16	ug/l	0.01
Spiked Amount 30.000			Recovery =	100.53%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.275	51	27728	8.54	ug/l #	7
6) Dichlorodifluoromethane	1.258	85	18820	20.49	ug/l	95
7) Chloromethane	1.391	50	12334	11.47	ug/l	89
8) Bromomethane	1.707	94	4958	12.49	ug/l	96
9) Vinyl Chloride	1.458	62	7832	8.96	ug/l	97
10) Chloroethane	1.774	66	1452	10.09	ug/l	92
11) Trichlorofluoromethane	1.973	101	7836	7.76	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.353	101	6103	8.16	ug/l	92
13) Methylene Chloride	2.738	84	14118	9.71	ug/l	87
14) Acrolein	2.293	56	7638	66.30	ug/l	94
15) Acrylonitrile	2.949	53	7513	11.48	ug/l	83
16) Iodomethane	2.486	142	18773	9.87	ug/l	93
17) Acetone	2.420	43	33128	52.05	ug/l	92
18) Carbon Disulfide	2.540	76	43478	12.53	ug/l	100
19) t-Butyl Alcohol	2.835	59	3174	44.63	ug/l	71
20) n-Hexane	3.159	57	7507	7.26	ug/l	78
21) Di-isopropyl-ether	3.340	45	60146	10.67	ug/l	76
22) 1,1-Dichloroethene	2.359	61	20948	8.97	ug/l	83
23) Methyl Acetate	2.666	43	19189	9.82	ug/l	100
24) Methyl-t-butyl ether	2.955	73	17659	9.44	ug/l	57
25) 1,1-Dichloroethane	3.298	63	27611	10.27	ug/l	100
26) trans-1,2-Dichloroethene	2.955	96	10975	9.97	ug/l	90
27) cis-1,2-Dichloroethene	3.779	61	26529	10.28	ug/l	84
28) Bromochloromethane	3.959	49	19896	10.27	ug/l	84
29) 2,2-Dichloropropane	3.779	77	9687	8.56	ug/l	85
30) 1,4-Dioxane	5.023	88	8609	511.79	ug/l	56
31) 1,1-Dichloropropene	4.254	75	20469	10.52	ug/l	97
32) Chloroform	4.013	83	24882	10.35	ug/l	96
34) Cyclohexane	4.181	56	17063	8.27	ug/l	79
36) 1,2-Dichloroethane	4.410	62	28750	10.84	ug/l	97
37) 2-Butanone	3.797	43	13919	13.03	ug/l	72
38) 1,1,1-Trichloroethane	4.145	97	15738	9.69	ug/l	98
39) Carbon Tetrachloride	4.260	117	14130	10.28	ug/l	89
40) Vinyl Acetate	3.334	43	72790	10.86	ug/l	100
41) Bromodichloromethane	5.102	83	21467	9.62	ug/l	94
42) Methylcyclohexane	4.909	83	10265	7.93	ug/l	79
43) Dibromomethane	5.017	174	13747	9.78	ug/l	95
44) 1,2-Dichloropropane	4.939	63	22313	10.32	ug/l	93
45) Trichloroethene	4.795	130	14598	9.64	ug/l	85
46) Benzene	4.398	78	64065	10.53	ug/l	100
47) tert-Amyl methyl ether	4.458	73	18652	8.85	ug/l	45
49) Dibromochloromethane	6.064	129	16485	10.38	ug/l	97
50) 2-Chloroethylvinylether	5.270	63	11596	10.13	ug/l	84
51) cis-1,3-Dichloropropene	5.372	75	20124	9.75	ug/l	92
52) trans-1,3-Dichloropropene	5.697	75	16786	9.64	ug/l	97
53) 1,1,2-Trichloroethane	5.817	97	17133	11.68	ug/l	90
54) 1,2-Dibromoethane	6.142	107	18658	11.32	ug/l	96
55) 1,3-Dichloropropane	5.919	76	33905	12.54	ug/l	94
56) 4-Methyl-2-Pentanone	5.456	43	28143	11.60	ug/l	94
57) 2-Hexanone	5.949	43	19035	10.69	ug/l	88
58) Tetrachloroethene	5.907	164	12482	10.50	ug/l	88
60) Toluene	5.577	92	38919	11.41	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.467	133	13653	10.48	ug/l	87
62) Chlorobenzene	6.424	112	43142	10.20	ug/l	94
64) Bromoform	6.930	173	10701	8.43	ug/l	95
65) Ethylbenzene	6.473	106	15986	10.52	ug/l	80
66) 1,1,2,2-Tetrachloroethane	7.176	83	24395	10.30	ug/l	86
68) Styrene	6.791	104	40084	10.62	ug/l	100
69) m&p-Xylenes	6.539	106	47372	22.33	ug/l	94

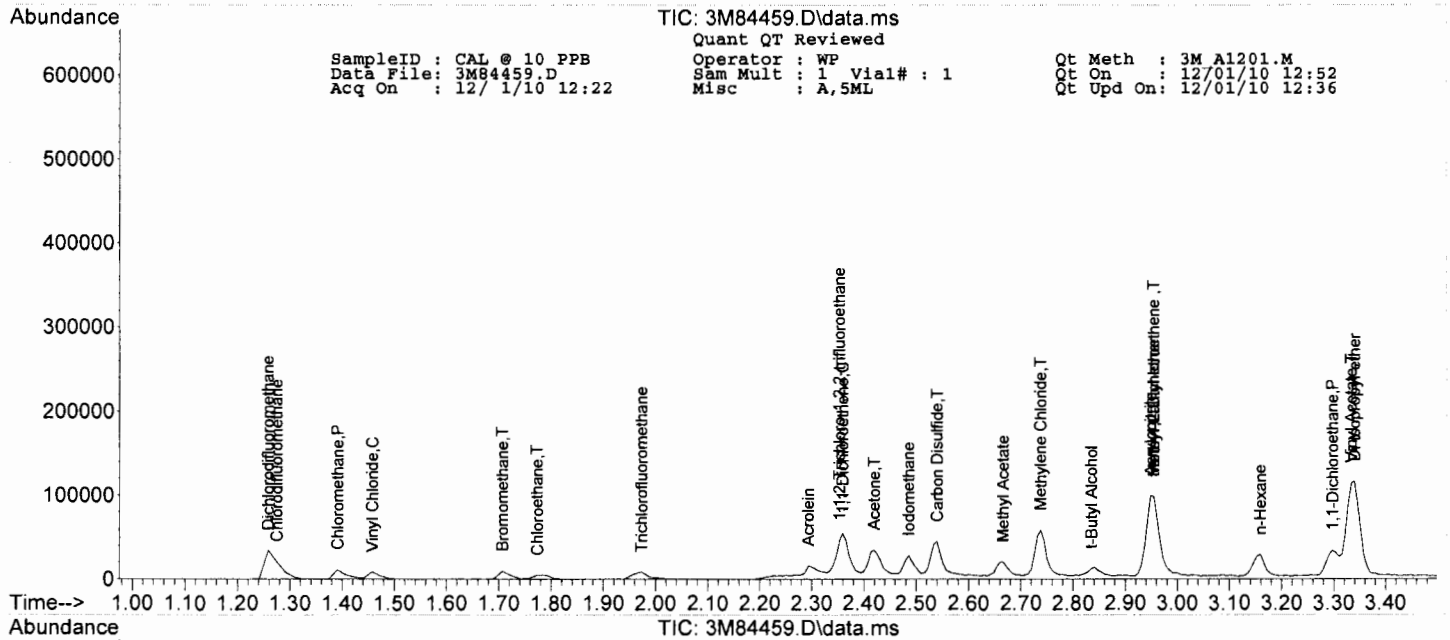
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB
Data File: 3M84459.D
Acq On : 12/ 1/10 12:22
Operator : WP
Sam Mult : 1 Vial# : 1
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:52
Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.785	106	22907	10.30 ug/l	85
71)	trans-1,4-Dichloro-2-b...	7.206	53	11774	14.92 ug/l	37
72)	1,3-Dichlorobenzene	7.789	146	32163	10.35 ug/l	98
73)	1,4-Dichlorobenzene	7.844	146	34731	10.25 ug/l	89
74)	1,2-Dichlorobenzene	8.090	146	32730	10.27 ug/l	99
75)	Isopropylbenzene	7.002	105	46963	9.18 ug/l	95
76)	Cyclohexanone	7.092	55	3534	43.47 ug/l	93
77)	Camphene	7.182	93	9683	13.56 ug/l	98
78)	1,2,3-Trichloropropane	7.218	75	27596	11.07 ug/l	93
79)	2-Chlorotoluene	7.320	91	39184	10.91 ug/l	96
80)	p-Ethyltoluene	7.314	105	55087	10.75 ug/l	89
81)	4-Chlorotoluene	7.387	91	41384	11.10 ug/l	95
82)	n-Propylbenzene	7.248	91	65579	9.96 ug/l	97
83)	Bromobenzene	7.218	77	44525	11.08 ug/l	89
84)	1,3,5-Trimethylbenzene	7.344	105	41263	10.18 ug/l	90
85)	t-Butylbenzene	7.561	119	33651	9.41 ug/l	93
86)	1,2,4-Trimethylbenzene	7.585	105	47273	10.52 ug/l	87
87)	sec-Butylbenzene	7.693	105	40948	9.29 ug/l	91
88)	4-Isopropyltoluene	7.771	119	31141	9.45 ug/l	96
89)	n-Butylbenzene	8.030	91	41395	10.37 ug/l	96
90)	p-Diethylbenzene	8.012	119	18642	8.87 ug/l	90
91)	1,2,4,5-Tetramethylben...	8.517	119	26010	8.34 ug/l	100
92)	1,2-Dibromo-3-Chloropr...	8.589	157	3412	8.41 ug/l	83
93)	Camphor	9.064	95	13196	184.81 ug/l	93
94)	Hexachlorobutadiene	9.215	225	9066	13.19 ug/l	91
95)	1,2,4-Trichlorobenzene	9.124	180	19525	10.95 ug/l	99
96)	1,2,3-Trichlorobenzene	9.455	180	21122	12.38 ug/l	98
97)	Naphthalene	9.299	128	50524	10.91 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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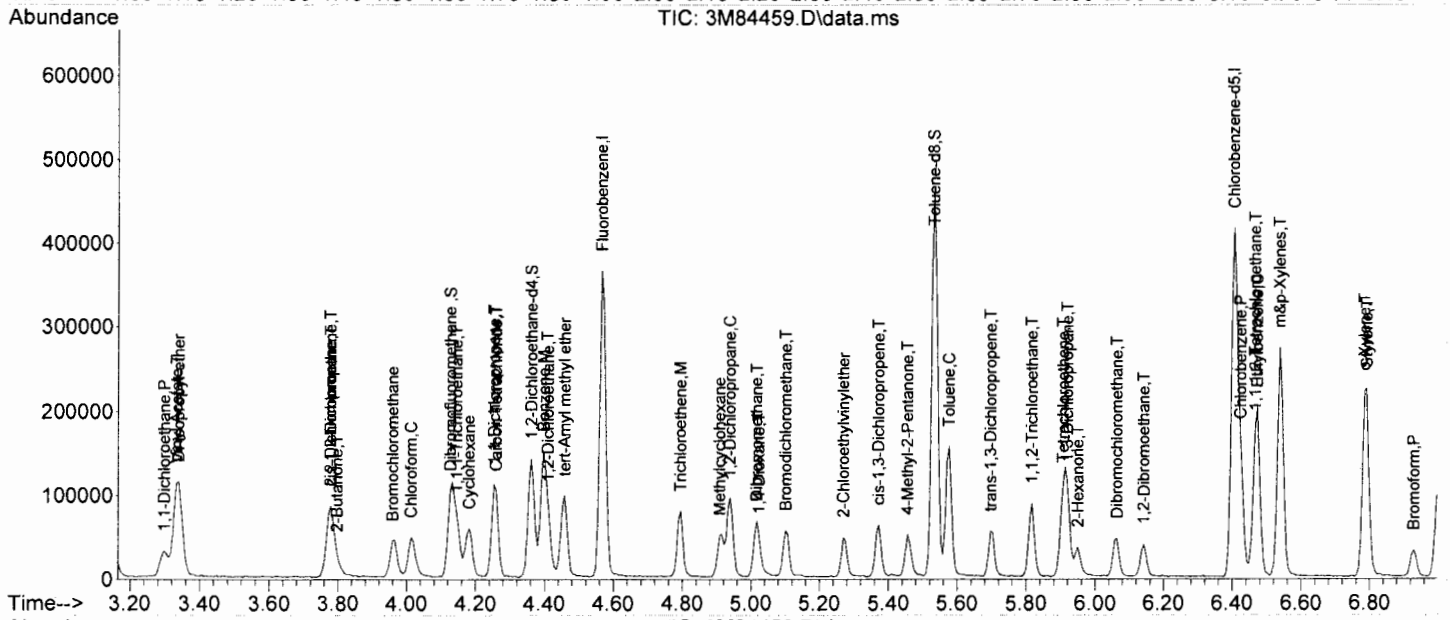
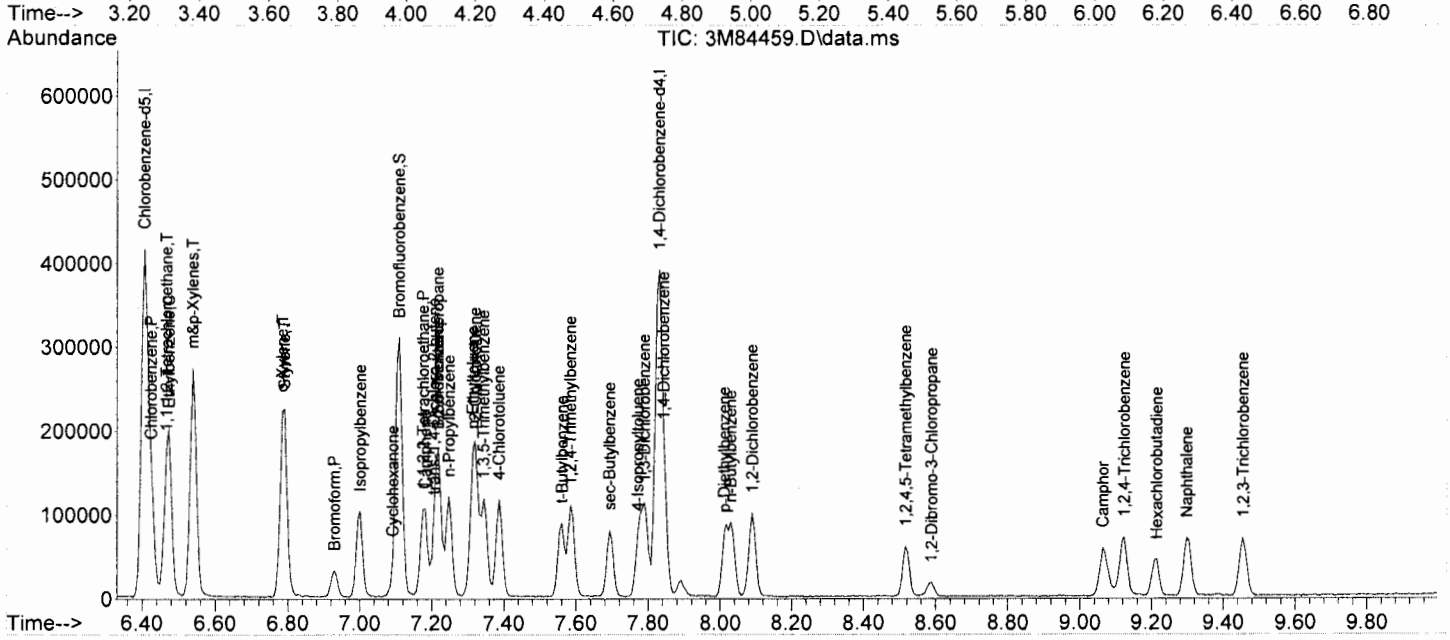
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 3M84459.D
Acq On : 12/ 1/10 12:22
Operator : WP
Sam Mult : 1 Vial# : 1
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:52
Qt Upd On: 12/01/10 12:36
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M84459.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,I
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->


Abundance
TIC: 3M84459.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84457.D Sam Mult : 1 Vial# : 76 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 11:38 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.567	96	172024	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.407	117	147829	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.826	152	96548	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.128	111	43595	29.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.00%			
35) 1,2-Dichloroethane-d4	4.362	102	10232	30.03	ug/l	0.01
Spiked Amount 30.000			Recovery = 100.10%			
59) Toluene-d8	5.535	100	119807	31.03	ug/l	0.01
Spiked Amount 30.000			Recovery = 103.43%			
67) Bromofluorobenzene	7.110	174	77860	27.32	ug/l	0.01
Spiked Amount 30.000			Recovery = 91.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.264	51	157147	49.54	ug/l	66
6) Dichlorodifluoromethane	1.264	85	71125	79.25	ug/l	92
7) Chloromethane	1.397	50	66441	63.24	ug/l	81
8) Bromomethane	1.713	94	23066	59.46	ug/l	93
9) Vinyl Chloride	1.464	62	52984	62.00	ug/l	93
10) Chloroethane	1.780	66	8324	59.22	ug/l	82
11) Trichlorofluoromethane	1.962	101	43557	44.13	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.354	101	19227	26.31	ug/l	87
13) Methylene Chloride	2.739	84	73625	51.83	ug/l	96
14) Acrolein	2.300	56	36723	326.22	ug/l	97
15) Acrylonitrile	2.943	53	41316	64.61	ug/l	94
16) Iodomethane	2.486	142	100968	54.32	ug/l	88
17) Acetone	2.420	43	188760	303.49	ug/l	95
18) Carbon Disulfide	2.534	76	221724	65.40	ug/l	100
19) t-Butyl Alcohol	2.847	59	19423	279.49	ug/l	98
20) n-Hexane	3.154	57	50416	49.89	ug/l	86
21) Di-isopropyl-ether	3.340	45	331653	60.23	ug/l	79
22) 1,1-Dichloroethene	2.360	61	59849	26.21	ug/l	80
23) Methyl Acetate	2.660	43	105088	55.03	ug/l	100
24) Methyl-t-butyl ether	2.955	73	99762	54.55	ug/l	63
25) 1,1-Dichloroethane	3.298	63	148418	56.48	ug/l	96
26) trans-1,2-Dichloroethene	2.949	96	59014	54.86	ug/l	78
27) cis-1,2-Dichloroethene	3.779	61	142342	56.45	ug/l	85
28) Bromochloromethane	3.959	49	96851	51.17	ug/l	87
29) 2,2-Dichloropropane	3.779	77	56024	50.67	ug/l	95
30) 1,4-Dioxane	5.018	88	49295	2998.84	ug/l	66
31) 1,1-Dichloropropene	4.254	75	106216	55.87	ug/l	97
32) Chloroform	4.013	83	124089	52.81	ug/l	98
34) Cyclohexane	4.182	56	104672	51.93	ug/l	78
36) 1,2-Dichloroethane	4.410	62	134162	51.77	ug/l	100
37) 2-Butanone	3.797	43	72628	69.59	ug/l	78
38) 1,1,1-Trichloroethane	4.146	97	83754	52.79	ug/l	100
39) Carbon Tetrachloride	4.260	117	72432	53.95	ug/l	89
40) Vinyl Acetate	3.334	43	422954	64.56	ug/l	100
41) Bromodichloromethane	5.102	83	114478	52.50	ug/l	98
42) Methylcyclohexane	4.909	83	64380	50.87	ug/l	86
43) Dibromomethane	5.018	174	71244	51.85	ug/l	93
44) 1,2-Dichloropropane	4.939	63	109279	51.70	ug/l	100
45) Trichloroethene	4.795	130	74292	50.19	ug/l	91
46) Benzene	4.398	78	306672	51.60	ug/l	100
47) tert-Amyl methyl ether	4.458	73	99757	48.46	ug/l	50
49) Dibromochloromethane	6.064	129	93253	55.29	ug/l	97
50) 2-Chloroethylvinylether	5.270	63	74331	61.14	ug/l	85
51) cis-1,3-Dichloropropene	5.372	75	131424	59.95	ug/l	95
52) trans-1,3-Dichloropropene	5.697	75	112784	61.00	ug/l	99
53) 1,1,2-Trichloroethane	5.817	97	85304	54.76	ug/l	96
54) 1,2-Dibromoethane	6.142	107	98374	56.23	ug/l	95
55) 1,3-Dichloropropane	5.920	76	166531	58.02	ug/l	94
56) 4-Methyl-2-Pentanone	5.457	43	161111	62.56	ug/l	95
57) 2-Hexanone	5.950	43	121777	64.44	ug/l	88
58) Tetrachloroethene	5.908	164	65537	51.95	ug/l	96
60) Toluene	5.577	92	198558	54.83	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.467	133	70959	51.32	ug/l	87
62) Chlorobenzene	6.425	112	225396	50.21	ug/l	99
64) Bromoform	6.930	173	75125	48.35	ug/l	97
65) Ethylbenzene	6.473	106	87168	46.86	ug/l	79
66) 1,1,2,2-Tetrachloroethane	7.176	83	152754	52.71	ug/l	85
68) Styrene	6.792	104	223176	48.34	ug/l	96
69) m&p-Xylenes	6.539	106	251905	97.04	ug/l	88

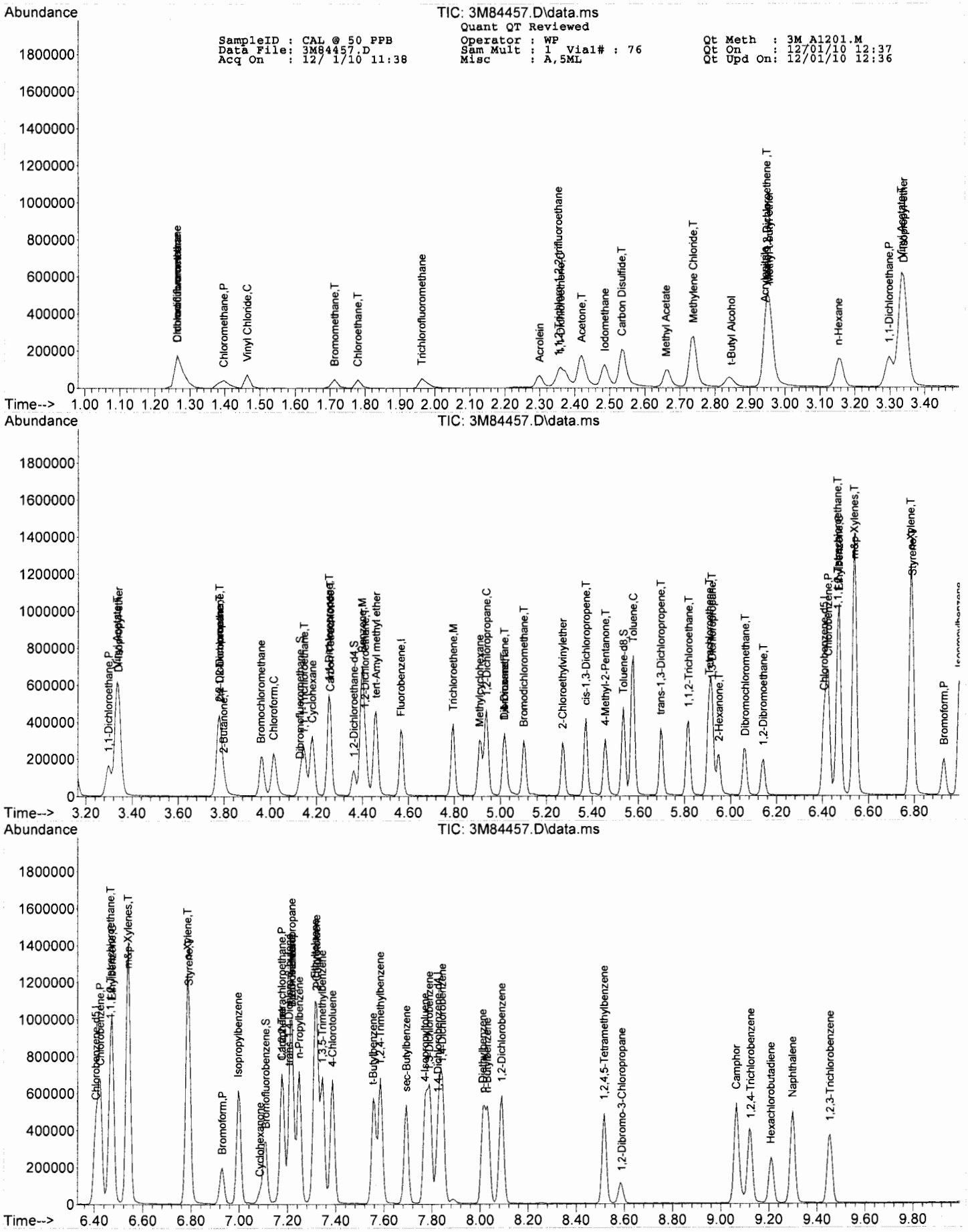
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84457.D Sam Mult : 1 Vial# : 76 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 11:38 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.786	106	123797	45.49	ug/l	86
71) trans-1,4-Dichloro-2-b...	7.207	53	63428	65.67	ug/l	45
72) 1,3-Dichlorobenzene	7.790	146	202561	53.25	ug/l	98
73) 1,4-Dichlorobenzene	7.844	146	206049	49.68	ug/l	99
74) 1,2-Dichlorobenzene	8.090	146	204260	52.40	ug/l	98
75) Isopropylbenzene	6.996	105	289697	46.28	ug/l	97
76) Cyclohexanone	7.086	55	24477	246.07	ug/l	89
77) Camphene	7.176	93	73344	83.95	ug/l	95
78) 1,2,3-Trichloropropane	7.219	75	160929	52.77	ug/l	93
79) 2-Chlorotoluene	7.321	91	241687	55.00	ug/l	95
80) p-Ethyltoluene	7.315	105	325312	51.87	ug/l	96
81) 4-Chlorotoluene	7.387	91	239796	52.55	ug/l	98
82) n-Propylbenzene	7.249	91	417704	51.84	ug/l	100
83) Bromobenzene	7.219	77	257847	52.44	ug/l	92
84) 1,3,5-Trimethylbenzene	7.345	105	277701	55.97	ug/l	97
85) t-Butylbenzene	7.555	119	233360	53.32	ug/l	98
86) 1,2,4-Trimethylbenzene	7.585	105	292391	53.18	ug/l	88
87) sec-Butylbenzene	7.694	105	287298	53.27	ug/l	94
88) 4-Isopropyltoluene	7.772	119	224596	55.72	ug/l	99
89) n-Butylbenzene	8.030	91	260866	53.41	ug/l	99
90) p-Diethylbenzene	8.012	119	132903	51.67	ug/l	96
91) 1,2,4,5-Tetramethylben...	8.517	119	208883	54.74	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.590	157	27078	54.55	ug/l	91
93) Camphor	9.065	95	112822	1291.30	ug/l	91
94) Hexachlorobutadiene	9.209	225	46410	55.20	ug/l	96
95) 1,2,4-Trichlorobenzene	9.125	180	120384	55.17	ug/l	98
96) 1,2,3-Trichlorobenzene	9.455	180	116730	55.90	ug/l	98
97) Naphthalene	9.299	128	339399	59.89	ug/l	100

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


TIC: 3M84457.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 3M84457.D
Acq On : 12/ 1/10 11:38
Operator : WP
Sam Mult : 1 Vial# : 76
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
1,1-Dichloroethane,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84456.D Sam Mult : 1 Vial# : 75 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 11:21 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.567	96	171692	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.407	117	145733	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.826	152	96125	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.128	111	43678	29.51	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.37%		
35) 1,2-Dichloroethane-d4	4.362	102	9808	28.84	ug/l	0.01
Spiked Amount 30.000			Recovery =	96.13%		
59) Toluene-d8	5.535	100	119584	31.41	ug/l	0.01
Spiked Amount 30.000			Recovery =	104.70%		
67) Bromofluorobenzene	7.110	174	78281	27.59	ug/l	0.01
Spiked Amount 30.000			Recovery =	91.97%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.274	51	306423	96.79	ug/l #	5
6) Dichlorodifluoromethane	1.258	85	203402	227.09	ug/l	91
7) Chloromethane	1.391	50	134618	128.37	ug/l	85
8) Bromomethane	1.707	94	45125	116.56	ug/l	98
9) Vinyl Chloride	1.457	62	84657	99.25	ug/l	92
10) Chloroethane	1.773	66	14531	103.57	ug/l	99
11) Trichlorofluoromethane	1.973	101	85904	87.19	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.360	101	47299	64.84	ug/l	86
13) Methylene Chloride	2.739	84	144940	102.23	ug/l	95
14) Acrolein	2.300	56	72348	643.93	ug/l	86
15) Acrylonitrile	2.943	53	82348	129.03	ug/l	96
16) Iodomethane	2.486	142	200629	108.15	ug/l	89
17) Acetone	2.420	43	366922	591.08	ug/l	94
18) Carbon Disulfide	2.534	76	438605	129.62	ug/l	100
19) t-Butyl Alcohol	2.841	59	40379	582.16	ug/l	92
20) n-Hexane	3.154	57	108377	107.45	ug/l	88
21) Di-isopropyl-ether	3.340	45	676417	123.07	ug/l	77
22) 1,1-Dichloroethene	2.360	61	163508	71.76	ug/l	80
23) Methyl Acetate	2.660	43	212507	111.49	ug/l	100
24) Methyl-t-butyl ether	2.955	73	203998	111.76	ug/l	67
25) 1,1-Dichloroethane	3.298	63	296932	113.22	ug/l	97
26) trans-1,2-Dichloroethene	2.949	96	116715	108.72	ug/l	86
27) cis-1,2-Dichloroethene	3.779	61	292332	116.17	ug/l	83
28) Bromochloromethane	3.959	49	205549	108.80	ug/l	85
29) 2,2-Dichloropropane	3.779	77	117990	106.91	ug/l	95
30) 1,4-Dioxane	5.018	88	97462	5940.52	ug/l	63
31) 1,1-Dichloropropene	4.254	75	211459	111.45	ug/l	98
32) Chloroform	4.013	83	253444	108.07	ug/l	98
34) Cyclohexane	4.182	56	230842	114.74	ug/l	78
36) 1,2-Dichloroethane	4.410	62	262112	101.34	ug/l	97
37) 2-Butanone	3.797	43	149016	143.06	ug/l	76
38) 1,1,1-Trichloroethane	4.146	97	176543	111.50	ug/l	96
39) Carbon Tetrachloride	4.254	117	146109	109.03	ug/l	93
40) Vinyl Acetate	3.334	43	859365	131.42	ug/l	100
41) Bromodichloromethane	5.102	83	234135	107.58	ug/l	98
42) Methylcyclohexane	4.909	83	136655	108.19	ug/l	84
43) Dibromomethane	5.018	174	138023	100.65	ug/l	94
44) 1,2-Dichloropropane	4.940	63	221478	104.98	ug/l	97
45) Trichloroethene	4.795	130	145749	98.65	ug/l	92
46) Benzene	4.398	78	594370	100.20	ug/l	100
47) tert-Amyl methyl ether	4.458	73	204789	99.68	ug/l	56
49) Dibromochloromethane	6.058	129	194519	116.98	ug/l	97
50) 2-Chloroethylvinylether	5.270	63	152605	127.33	ug/l	85
51) cis-1,3-Dichloropropene	5.372	75	278430	128.83	ug/l	95
52) trans-1,3-Dichloropropene	5.697	75	246735	135.38	ug/l	99
53) 1,1,2-Trichloroethane	5.811	97	169072	110.09	ug/l	93
54) 1,2-Dibromoethane	6.142	107	193693	112.31	ug/l	90
55) 1,3-Dichloropropane	5.920	76	326636	115.44	ug/l	95
56) 4-Methyl-2-Pentanone	5.457	43	333078	131.20	ug/l	93
57) 2-Hexanone	5.944	43	246696	132.41	ug/l	88
58) Tetrachloroethene	5.902	164	130134	104.63	ug/l	95
60) Toluene	5.577	92	386660	108.31	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.467	133	139327	102.21	ug/l	87
62) Chlorobenzene	6.425	112	439587	99.34	ug/l	98
64) Bromoform	6.930	173	157687	101.93	ug/l	100
65) Ethylbenzene	6.473	106	167720	90.56	ug/l	84
66) 1,1,2,2-Tetrachloroethane	7.176	83	274989	95.30	ug/l	85
68) Styrene	6.792	104	441406	96.03	ug/l	96
69) m&p-Xylenes	6.539	106	478922	185.30	ug/l	87

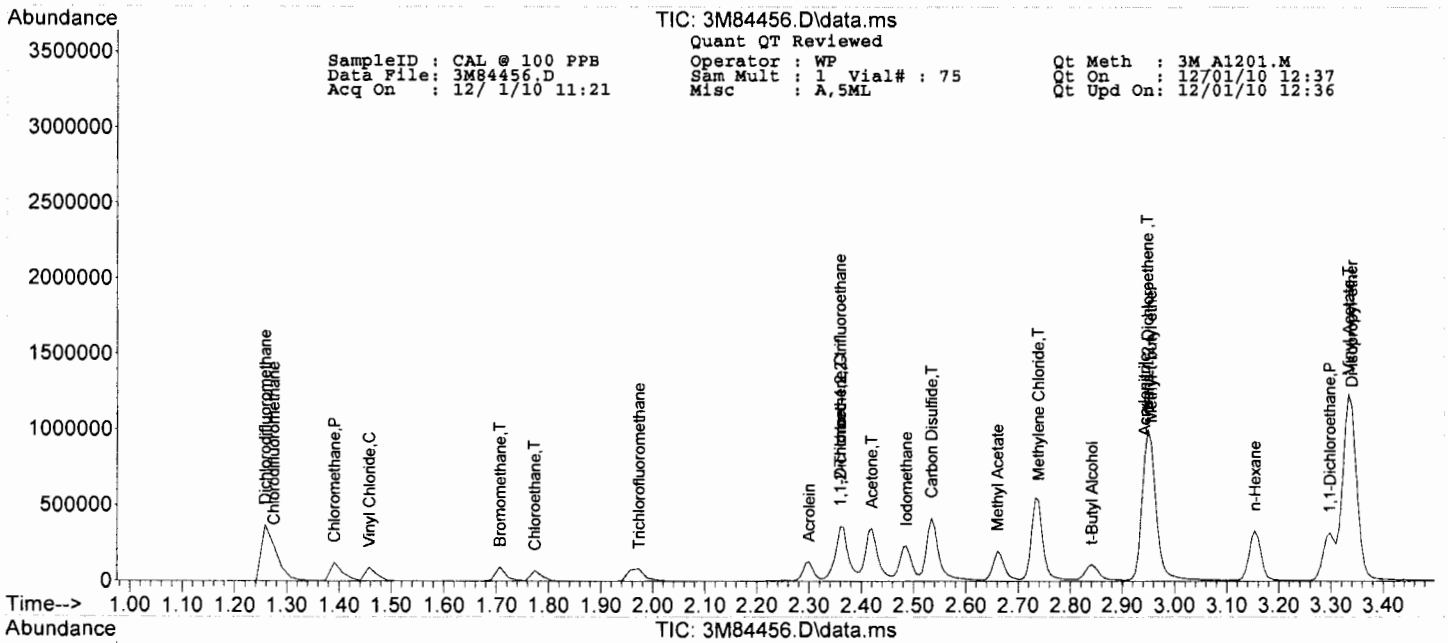
Quantitation Report (QT Reviewed)

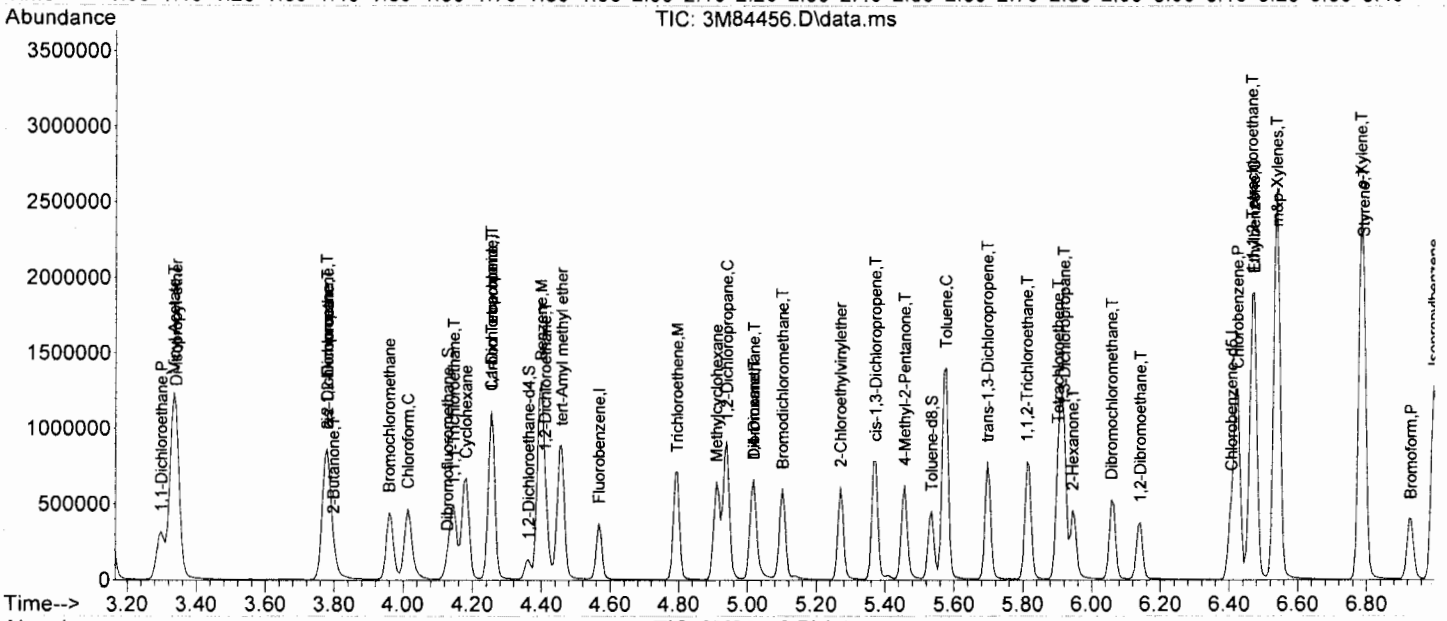
SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84456.D Sam Mult : 1 Vial# : 75 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 11:21 Misc : A,5ML Qt Upd On: 12/01/10 12:36

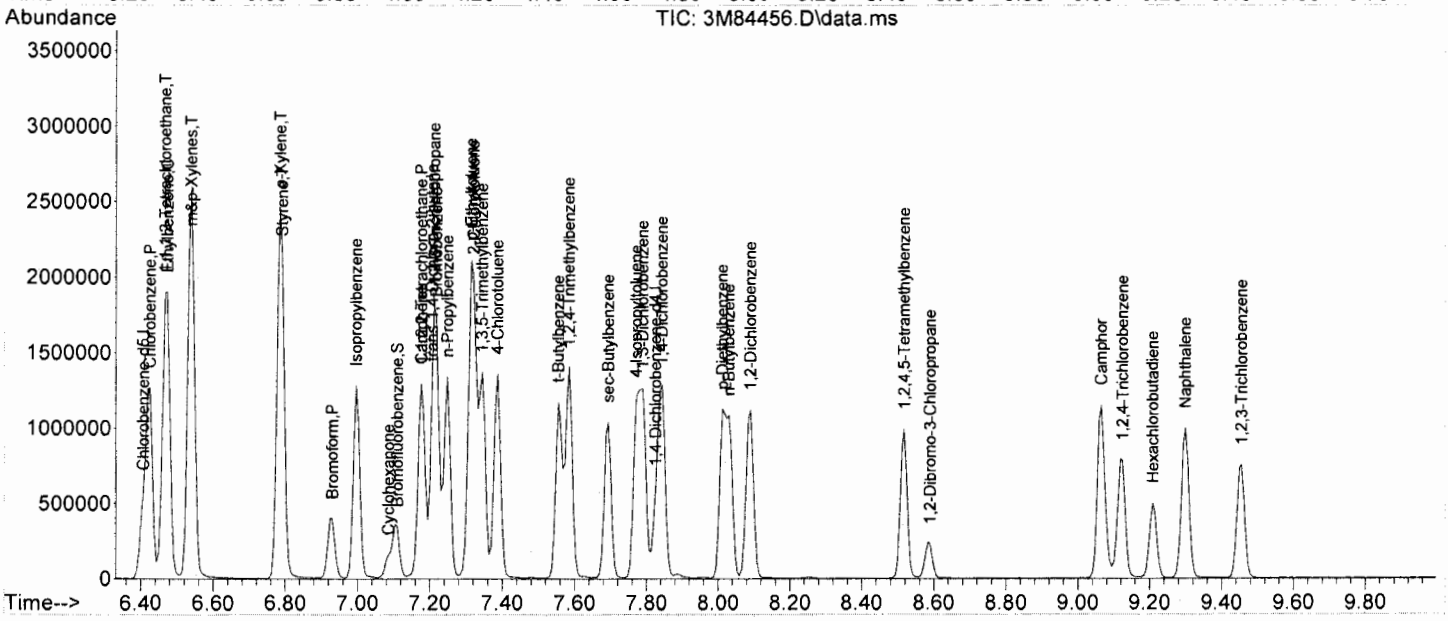
Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.786	106	246302	90.89	ug/l	84
71)	trans-1,4-Dichloro-2-b...	7.207	53	124362	129.33	ug/l	39
72)	1,3-Dichlorobenzene	7.790	146	383062	101.14	ug/l	99
73)	1,4-Dichlorobenzene	7.844	146	406118	98.35	ug/l	99
74)	1,2-Dichlorobenzene	8.090	146	405807	104.57	ug/l	98
75)	Isopropylbenzene	6.996	105	591117	94.85	ug/l	98
76)	Cyclohexanone	7.086	55	52106	526.14	ug/l	93
77)	Camphene	7.176	93	143599	165.08	ug/l	91
78)	1,2,3-Trichloropropane	7.213	75	295926	97.46	ug/l	89
79)	2-Chlorotoluene	7.321	91	452792	103.50	ug/l	97
80)	p-Ethyltoluene	7.315	105	612216	98.04	ug/l	95
81)	4-Chlorotoluene	7.387	91	489662	107.78	ug/l	96
82)	n-Propylbenzene	7.249	91	764672	95.32	ug/l	97
83)	Bromobenzene	7.219	77	469204	95.85	ug/l	88
84)	1,3,5-Trimethylbenzene	7.345	105	549093	111.15	ug/l	96
85)	t-Butylbenzene	7.555	119	477432	109.57	ug/l	99
86)	1,2,4-Trimethylbenzene	7.585	105	600627	109.73	ug/l	89
87)	sec-Butylbenzene	7.694	105	583675	108.70	ug/l	94
88)	4-Isopropyltoluene	7.772	119	452745	112.81	ug/l	99
89)	n-Butylbenzene	8.030	91	535982	110.23	ug/l	99
90)	p-Diethylbenzene	8.012	119	272227	106.31	ug/l	93
91)	1,2,4,5-Tetramethylben...	8.517	119	438366	115.37	ug/l	100
92)	1,2-Dibromo-3-Chloropr...	8.590	157	58406	118.17	ug/l	97
93)	Camphor	9.065	95	239984	2758.82	ug/l	92
94)	Hexachlorobutadiene	9.209	225	94836	113.28	ug/l	99
95)	1,2,4-Trichlorobenzene	9.125	180	242419	111.59	ug/l	99
96)	1,2,3-Trichlorobenzene	9.456	180	237086	114.04	ug/l	99
97)	Naphthalene	9.299	128	693076	122.84	ug/l	100

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


Abundance
TIC: 3M84456.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 3M84456.D
Acq On : 12/ 1/10 11:21
Operator : WP
Sam Mult : 1 Vial# : 75
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M84456.D\data.ms
1,1-Dichloroethane,P
2-Butanone,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Time-->


Abundance
TIC: 3M84456.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84455.D Sam Mult : 1 Vial# : 74 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 11:04 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.567	96	174366	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.407	117	141068	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.826	152	97109	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.128	111	45646	30.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.23%			
35) 1,2-Dichloroethane-d4	4.363	102	10197	29.52	ug/l	0.01
Spiked Amount 30.000			Recovery = 98.40%			
59) Toluene-d8	5.535	100	118590	32.18	ug/l	0.01
Spiked Amount 30.000			Recovery = 107.27%			
67) Bromofluorobenzene	7.105	174	77407	27.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.276	51	818393	254.55	ug/l #	5
6) Dichlorodifluoromethane	1.260	85	444307	488.44	ug/l	92
7) Chloromethane	1.393	50	345793	324.69	ug/l	85
8) Bromomethane	1.692	94	87799	223.30	ug/l	99
9) Vinyl Chloride	1.459	62	252790	291.83	ug/l	95
10) Chloroethane	1.775	66	33490	235.05	ug/l	78
11) Trichlorofluoromethane	1.958	101	217538	217.42	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.360	101	126415	170.65	ug/l	87
13) Methylene Chloride	2.733	84	356565	247.65	ug/l	96
14) Acrolein	2.294	56	181082	1586.99	ug/l	91
15) Acrylonitrile	2.944	53	192209	296.55	ug/l	92
16) Iodomethane	2.481	142	502112	266.51	ug/l	87
17) Acetone	2.421	43	933434	1480.63	ug/l	94
18) Carbon Disulfide	2.535	76	1072361	312.05	ug/l	100
19) t-Butyl Alcohol	2.841	59	102558	1455.95	ug/l	89
20) n-Hexane	3.154	57	270133	263.70	ug/l	87
21) Di-isopropyl-ether	3.341	45	1621387	290.48	ug/l	74
22) 1,1-Dichloroethene	2.360	61	418281	180.75	ug/l	85
23) Methyl Acetate	2.661	43	551654	284.99	ug/l	100
24) Methyl-t-butyl ether	2.950	73	487558	263.01	ug/l	66
25) 1,1-Dichloroethane	3.292	63	738677	277.33	ug/l	96
26) trans-1,2-Dichloroethene	2.950	96	266085	244.05	ug/l	87
27) cis-1,2-Dichloroethene	3.774	61	704593	275.70	ug/l	83
28) Bromochloromethane	3.960	49	508462	265.02	ug/l	87
29) 2,2-Dichloropropane	3.780	77	278961	248.90	ug/l	95
30) 1,4-Dioxane	5.018	88	223812	13432.63	ug/l	60
31) 1,1-Dichloropropene	4.255	75	502363	260.70	ug/l	97
32) Chloroform	4.014	83	639522	268.52	ug/l	99
34) Cyclohexane	4.176	56	570066	279.00	ug/l	77
36) 1,2-Dichloroethane	4.411	62	643487	244.99	ug/l	99
37) 2-Butanone	3.792	43	367681	347.58	ug/l	75
38) 1,1,1-Trichloroethane	4.140	97	462533	287.63	ug/l	97
39) Carbon Tetrachloride	4.255	117	363827	267.33	ug/l	90
40) Vinyl Acetate	3.329	43	2094624	315.41	ug/l	100
41) Bromodichloromethane	5.102	83	592817	268.22	ug/l	99
42) Methylcyclohexane	4.910	83	328392	256.01	ug/l	78
43) Dibromomethane	5.012	174	314353	225.73	ug/l	94
44) 1,2-Dichloropropane	4.940	63	536664	250.48	ug/l	98
45) Trichloroethene	4.790	130	344354	229.50	ug/l	86
46) Benzene	4.393	78	1394139	231.41	ug/l	100
47) tert-Amyl methyl ether	4.453	73	499831	239.56	ug/l	50
49) Dibromochloromethane	6.059	129	478236	297.12	ug/l	99
50) 2-Chloroethylvinylether	5.271	63	391538	337.49	ug/l	83
51) cis-1,3-Dichloropropene	5.367	75	724343	346.24	ug/l	94
52) trans-1,3-Dichloropropene	5.698	75	655244	371.40	ug/l	100
53) 1,1,2-Trichloroethane	5.812	97	393311	264.57	ug/l	90
54) 1,2-Dibromoethane	6.137	107	486755	291.56	ug/l	95
55) 1,3-Dichloropropane	5.920	76	746100	272.41	ug/l	93
56) 4-Methyl-2-Pentanone	5.457	43	859583	349.79	ug/l	93
57) 2-Hexanone	5.944	43	628816	348.68	ug/l	89
58) Tetrachloroethene	5.902	164	281334	233.68	ug/l	99
60) Toluene	5.572	92	870751	251.99	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.461	133	305273	231.34	ug/l	90
62) Chlorobenzene	6.425	112	998823	233.17	ug/l	96
64) Bromoform	6.925	173	417330	267.04	ug/l	100
65) Ethylbenzene	6.473	106	325312	173.86	ug/l	81
66) 1,1,2,2-Tetrachloroethane	7.177	83	634374	217.63	ug/l	86
68) Styrene	6.792	104	913439	196.71	ug/l	99
69) m&p-Xylenes	6.540	106	936768	358.78	ug/l	83

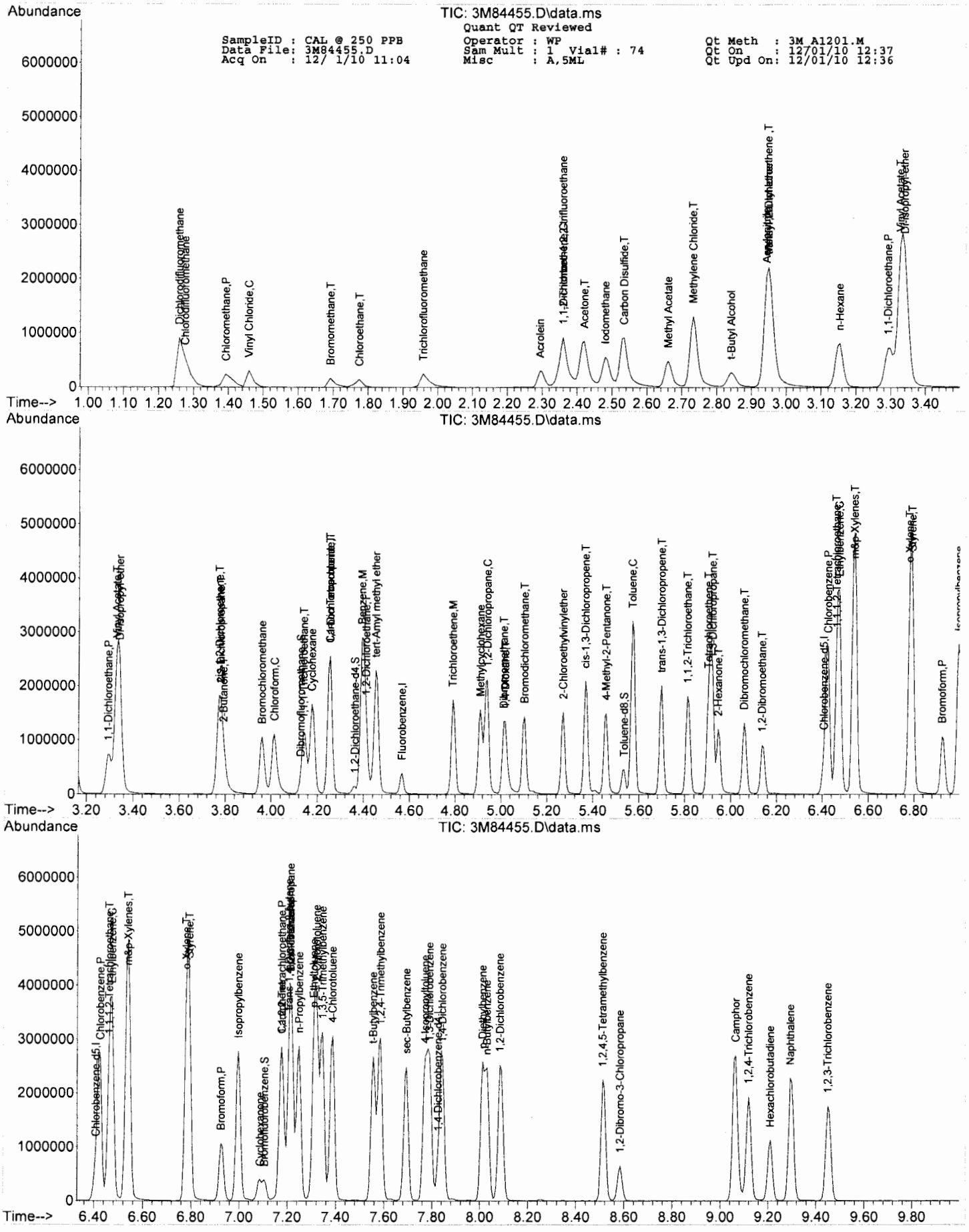
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84455.D Sam Mult : 1 Vial# : 74 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 11:04 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.780	106	499801	182.58	ug/l	76
71)	trans-1,4-Dichloro-2-b...	7.207	53	289328	297.84	ug/l	40
72)	1,3-Dichlorobenzene	7.790	146	860671	224.94	ug/l	99
73)	1,4-Dichlorobenzene	7.845	146	933621	223.80	ug/l	98
74)	1,2-Dichlorobenzene	8.085	146	917624	234.06	ug/l	99
75)	Isopropylbenzene	6.997	105	1366923	217.10	ug/l	98
76)	Cyclohexanone	7.087	55	135335	1352.69	ug/l	92
77)	Camphene	7.177	93	324945	369.77	ug/l	90
78)	1,2,3-Trichloropropane	7.213	75	690683	225.17	ug/l	87
79)	2-Chlorotoluene	7.321	91	871837	197.27	ug/l	95
80)	p-Ethyltoluene	7.309	105	1253153	198.65	ug/l	94
81)	4-Chlorotoluene	7.388	91	1096900	238.98	ug/l	96
82)	n-Propylbenzene	7.249	91	1760038	217.18	ug/l	97
83)	Bromobenzene	7.213	77	1048432	212.01	ug/l	84
84)	1,3,5-Trimethylbenzene	7.345	105	1241138	248.69	ug/l	99
85)	t-Butylbenzene	7.556	119	1096566	249.10	ug/l	96
86)	1,2,4-Trimethylbenzene	7.586	105	1369900	247.73	ug/l	88
87)	sec-Butylbenzene	7.694	105	1401242	258.31	ug/l	93
88)	4-Isopropyltoluene	7.772	119	1019484	251.46	ug/l	99
89)	n-Butylbenzene	8.031	91	1246302	253.72	ug/l	98
90)	p-Diethylbenzene	8.013	119	628396	242.90	ug/l	95
91)	1,2,4,5-Tetramethylben...	8.512	119	1037796	270.37	ug/l	97
92)	1,2-Dibromo-3-Chloropr...	8.584	157	156235	312.90	ug/l	94
93)	Camphor	9.065	95	583540	6640.31	ug/l	91
94)	Hexachlorobutadiene	9.210	225	219927	260.05	ug/l	99
95)	1,2,4-Trichlorobenzene	9.119	180	565987	257.89	ug/l	99
96)	1,2,3-Trichlorobenzene	9.450	180	555191	264.33	ug/l	99
97)	Naphthalene	9.294	128	1612017	282.81	ug/l	100

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


Abundance
TIC: 3M84455.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 3M84455.D
Acq On : 12/ 1/10 11:04
Operator : WP
Sam Mult : 1 Vial# : 74
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84454.D Sam Mult : 1 Vial# : 73 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 10:47 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.567	96	189145	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.401	117	137207	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.827	152	73914	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.128	111	43158	26.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.23%			
35) 1,2-Dichloroethane-d4	4.357	102	10511	28.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.50%			
59) Toluene-d8	5.529	100	132778	37.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 123.50%			
67) Bromofluorobenzene	7.105	174	77410	35.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.27%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.259	51	1702836	488.26	ug/l	66
6) Dichlorodifluoromethane	1.259	85	807697	818.55	ug/l	94
7) Chloromethane	1.392	50	790246	684.05	ug/l	86
8) Bromomethane	1.691	94	66026	154.80	ug/l	97
9) Vinyl Chloride	1.458	62	558253	594.12	ug/l	94
10) Chloroethane	1.757	66	53443	345.78	ug/l	97
11) Trichlorofluoromethane	1.957	101	420541	387.46	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.354	101	235092	292.56	ug/l	87
13) Methylene Chloride	2.733	84	668523	428.03	ug/l	96
14) Acrolein	2.294	56	345478	2791.17	ug/l	91
15) Acrylonitrile	2.938	53	358630	510.08	ug/l	93
16) Iodomethane	2.475	142	936932	458.45	ug/l	84
17) Acetone	2.421	43	1752666	2562.88	ug/l	95
18) Carbon Disulfide	2.529	76	2034545	545.78	ug/l	100
19) t-Butyl Alcohol	2.848	59	191951	2512.09	ug/l	89
20) n-Hexane	3.148	57	523539	471.14	ug/l	87
21) Di-isopropyl-ether	3.341	45	2866043	473.35	ug/l	75
22) 1,1-Dichloroethene	2.354	61	776695	309.40	ug/l	83
23) Methyl Acetate	2.661	43	1076642	512.74	ug/l	100
24) Methyl-t-butyl ether	2.950	73	805497	400.57	ug/l	56
25) 1,1-Dichloroethane	3.293	63	1366139	472.83	ug/l	98
26) trans-1,2-Dichloroethene	2.944	96	477858	404.04	ug/l	84
27) cis-1,2-Dichloroethene	3.774	61	1264268	456.04	ug/l	81
28) Bromochloromethane	3.960	49	966428	464.36	ug/l	86
29) 2,2-Dichloropropane	3.774	77	510511	419.90	ug/l	93
30) 1,4-Dioxane	5.018	88	414199	22916.78	ug/l	58
31) 1,1-Dichloropropene	4.249	75	815751	390.26	ug/l	96
32) Chloroform	4.014	83	1181809	457.45	ug/l	98
34) Cyclohexane	4.176	56	1035364	467.13	ug/l	77
36) 1,2-Dichloroethane	4.411	62	1192995	418.70	ug/l	99
37) 2-Butanone	3.792	43	687922	599.49	ug/l	76
38) 1,1,1-Trichloroethane	4.140	97	817852	468.86	ug/l	99
39) Carbon Tetrachloride	4.255	117	614885	416.50	ug/l	90
40) Vinyl Acetate	3.329	43	3695726	513.03	ug/l	100
41) Bromodichloromethane	5.103	83	1142606	476.58	ug/l	97
42) Methylcyclohexane	4.910	83	640196	460.09	ug/l	81
43) Dibromomethane	5.012	174	571613	378.39	ug/l	96
44) 1,2-Dichloropropane	4.934	63	990910	426.35	ug/l	100
45) Trichloroethene	4.790	130	607907	373.50	ug/l	86
46) Benzene	4.393	78	2394935	366.47	ug/l	100
47) tert-Amyl methyl ether	4.453	73	854452	377.53	ug/l	41
49) Dibromochloromethane	6.059	129	880987	562.75	ug/l	100
50) 2-Chloroethylvinylether	5.271	63	765345	678.27	ug/l	84
51) cis-1,3-Dichloropropene	5.367	75	1420637	698.19	ug/l	93
52) trans-1,3-Dichloropropene	5.698	75	1294844	754.59	ug/l	99
53) 1,1,2-Trichloroethane	5.812	97	708952	490.31	ug/l	90
54) 1,2-Dibromoethane	6.137	107	863325	531.68	ug/l	95
55) 1,3-Dichloropropane	5.920	76	1317459	494.56	ug/l	93
56) 4-Methyl-2-Pentanone	5.457	43	1735998	726.32	ug/l	92
57) 2-Hexanone	5.944	43	1232781	702.81	ug/l	87
58) Tetrachloroethene	5.902	164	454994	388.56	ug/l	96
60) Toluene	5.572	92	1523978	453.43	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.462	133	469794	366.04	ug/l	91
62) Chlorobenzene	6.419	112	1615152	387.67	ug/l	97
64) Bromoform	6.925	173	735736	618.52	ug/l	99
65) Ethylbenzene	6.474	106	431936	303.29	ug/l	73
66) 1,1,2,2-Tetrachloroethane	7.177	83	997484	449.59	ug/l	86
68) Styrene	6.792	104	1269030	359.04	ug/l	90
69) m&p-Xylenes	6.540	106	1323721	666.07	ug/l	76

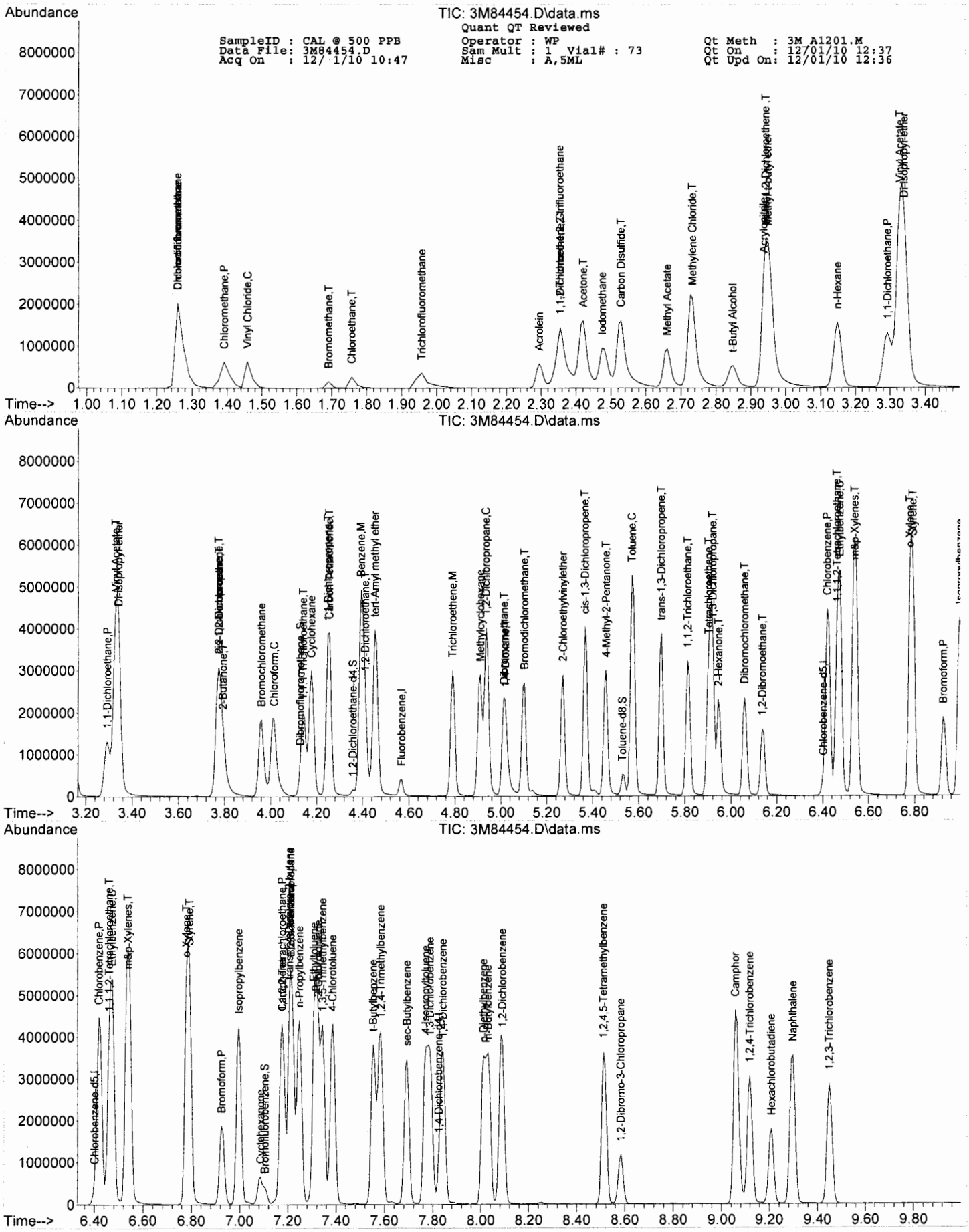
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84454.D Sam Mult : 1 Vial# : 73 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 10:47 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.780	106	701792	336.81 ug/l	73
71)	trans-1,4-Dichloro-2-b...	7.207	53	463113	626.34 ug/l	36
72)	1,3-Dichlorobenzene	7.790	146	1122938	385.58 ug/l	95
73)	1,4-Dichlorobenzene	7.845	146	1266766	398.94 ug/l	98
74)	1,2-Dichlorobenzene	8.091	146	1493800	500.60 ug/l	99
75)	Isopropylbenzene	6.997	105	2171379	453.10 ug/l	97
76)	Cyclohexanone	7.087	55	231510	3040.11 ug/l	92
77)	Camphene	7.177	93	521150	779.14 ug/l	88
78)	1,2,3-Trichloropropane	7.213	75	1060188	454.10 ug/l	85
79)	2-Chlorotoluene	7.327	91	1201404	357.14 ug/l	95
80)	p-Ethyltoluene	7.309	105	1790556	372.91 ug/l	92
81)	4-Chlorotoluene	7.388	91	1499223	429.14 ug/l	95
82)	n-Propylbenzene	7.249	91	2851206	462.23 ug/l	95
83)	Bromobenzene	7.213	77	1599479	424.93 ug/l	80
84)	1,3,5-Trimethylbenzene	7.345	105	1716950	451.99 ug/l	99
85)	t-Butylbenzene	7.556	119	1533437	457.66 ug/l	90
86)	1,2,4-Trimethylbenzene	7.586	105	1920018	456.16 ug/l	87
87)	sec-Butylbenzene	7.694	105	2006094	485.86 ug/l	92
88)	4-Isopropyltoluene	7.772	119	1398287	453.12 ug/l	95
89)	n-Butylbenzene	8.031	91	1891471	505.90 ug/l	96
90)	p-Diethylbenzene	8.013	119	895186	454.62 ug/l	93
91)	1,2,4,5-Tetramethylben...	8.512	119	1726925	591.10 ug/l	98
92)	1,2-Dibromo-3-Chloropr...	8.584	157	284988	749.87 ug/l	98
93)	Camphor	9.059	95	972991	14546.53 ug/l	92
94)	Hexachlorobutadiene	9.210	225	360443	559.94 ug/l	99
95)	1,2,4-Trichlorobenzene	9.119	180	920506	551.04 ug/l	99
96)	1,2,3-Trichlorobenzene	9.450	180	899656	562.76 ug/l	99
97)	Naphthalene	9.300	128	2619835	603.86 ug/l	100

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


TIC: 3M84454.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 3M84454.D
Acq On : 12/ 1/10 10:47
Operator : WP
Sam Mult : 1 Vial# : 73
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
TIC: 3M84454.D\data.ms
Abundance
Time-->
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Benzene,M
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
Bromoform,P
TIC: 3M84454.D\data.ms
Abundance
Time-->
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84451.D Sam Mult : 1 Vial# : 70 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 09:46 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.562	96	181990	30.00	ug/l		0.00
48) Chlorobenzene-d5	6.402	117	147812	30.00	ug/l		0.00
63) 1,4-Dichlorobenzene-d4	7.821	152	87739	30.00	ug/l		0.00
System Monitoring Compounds							
33) Dibromofluoromethane	4.123	111	49030	31.26	ug/l		0.00
Spiked Amount 30.000			Recovery = 104.20%				
35) 1,2-Dichloroethane-d4	4.357	102	10760	29.85	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.50%				
59) Toluene-d8	5.530	100	123656	32.03	ug/l		0.00
Spiked Amount 30.000			Recovery = 106.77%				
67) Bromofluorobenzene	7.105	174	73729	28.47	ug/l		0.00
Spiked Amount 30.000			Recovery = 94.90%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.259	51	4474	1.33	ug/l		88
6) Dichlorodifluoromethane	1.259	85	1669	1.76	ug/l		88
7) Chloromethane	1.392	50	1207	1.09	ug/l		84
8) Bromomethane	1.708	94	399	0.97	ug/l		72
9) Vinyl Chloride	1.458	62	1232	1.36	ug/l		83
10) Chloroethane	1.774	66	144m	0.97	ug/l		
11) Trichlorofluoromethane	1.957	101	977	0.94	ug/l		71
12) 1,1,2-Trichloro-1,2,2-...	2.355	101	308	0.40	ug/l		76
13) Methylene Chloride	2.728	84	2033	1.35	ug/l		91
14) Acrolein	2.295	56	823	6.91	ug/l		75
15) Acrylonitrile	2.938	53	593	0.88	ug/l		60
16) Iodomethane	2.481	142	1856	0.94	ug/l		97
17) Acetone	2.415	43	5312	8.07	ug/l		92
18) Carbon Disulfide	2.529	76	4236	1.18	ug/l		100
19) t-Butyl Alcohol	2.836	59	499	6.79	ug/l		26
20) n-Hexane	3.148	57	810	0.76	ug/l		70
21) Di-isopropyl-ether	3.335	45	4514	0.77	ug/l		82
22) 1,1-Dichloroethene	2.355	61	1744	0.72	ug/l		91
23) Methyl Acetate	2.655	43	2219	1.10	ug/l		100
24) Methyl-t-butyl ether	2.944	73	1632	0.84	ug/l		55
25) 1,1-Dichloroethane	3.293	63	2753	0.99	ug/l		88
26) trans-1,2-Dichloroethene	2.944	96	1169	1.03	ug/l		84
27) cis-1,2-Dichloroethene	3.774	61	2471	0.93	ug/l		87
28) Bromochloromethane	3.960	49	2246	1.12	ug/l		86
29) 2,2-Dichloropropane	3.768	77	1038	0.89	ug/l		79
30) 1,4-Dioxane	5.019	88	737	42.38	ug/l		49
31) 1,1-Dichloropropene	4.255	75	1704	0.85	ug/l		88
32) Chloroform	4.008	83	2648	1.07	ug/l		89
34) Cyclohexane	4.177	56	1049	0.49	ug/l	#	72
36) 1,2-Dichloroethane	4.405	62	2800	1.02	ug/l		87
37) 2-Butanone	3.792	43	1462	1.32	ug/l		49
38) 1,1,1-Trichloroethane	4.141	97	1648	0.98	ug/l		91
39) Carbon Tetrachloride	4.249	117	1443	1.02	ug/l		85
40) Vinyl Acetate	3.329	43	6370	0.92	ug/l		100
41) Bromodichloromethane	5.097	83	1954	0.85	ug/l		82
42) Methylcyclohexane	4.910	83	963	0.72	ug/l		92
43) Dibromomethane	5.013	174	1349	0.93	ug/l		90
44) 1,2-Dichloropropane	4.934	63	2216	0.99	ug/l		83
45) Trichloroethene	4.790	130	1681	1.07	ug/l		96
46) Benzene	4.393	78	6683	1.06	ug/l		100
47) tert-Amyl methyl ether	4.447	73	1552	0.71	ug/l		46
49) Dibromochloromethane	6.059	129	1555	0.92	ug/l		81
50) 2-Chloroethylvinylether	5.265	63	888	0.73	ug/l		93
51) cis-1,3-Dichloropropene	5.367	75	1524	0.70	ug/l		91
52) trans-1,3-Dichloropropene	5.698	75	1368	0.74	ug/l		87
53) 1,1,2-Trichloroethane	5.806	97	1843	1.18	ug/l		82
54) 1,2-Dibromoethane	6.131	107	1621	0.93	ug/l		97
55) 1,3-Dichloropropane	5.915	76	3440	1.20	ug/l		97
56) 4-Methyl-2-Pentanone	5.452	43	2291	0.89	ug/l		83
57) 2-Hexanone	5.939	43	1528	0.81	ug/l		88
58) Tetrachloroethene	5.903	164	1683	1.33	ug/l		89
60) Toluene	5.572	92	4200	1.16	ug/l		98
61) 1,1,1,2-Tetrachloroethane	6.462	133	1582	1.14	ug/l		87
62) Chlorobenzene	6.420	112	4962	1.11	ug/l		92
64) Bromoform	6.925	173	1062	0.75	ug/l		98
65) Ethylbenzene	6.468	106	1544	0.91	ug/l		98
66) 1,1,2,2-Tetrachloroethane	7.171	83	2690	1.02	ug/l		81
68) Styrene	6.787	104	3092	0.74	ug/l		97
69) m&p-Xylenes	6.534	106	4337	1.84	ug/l		93

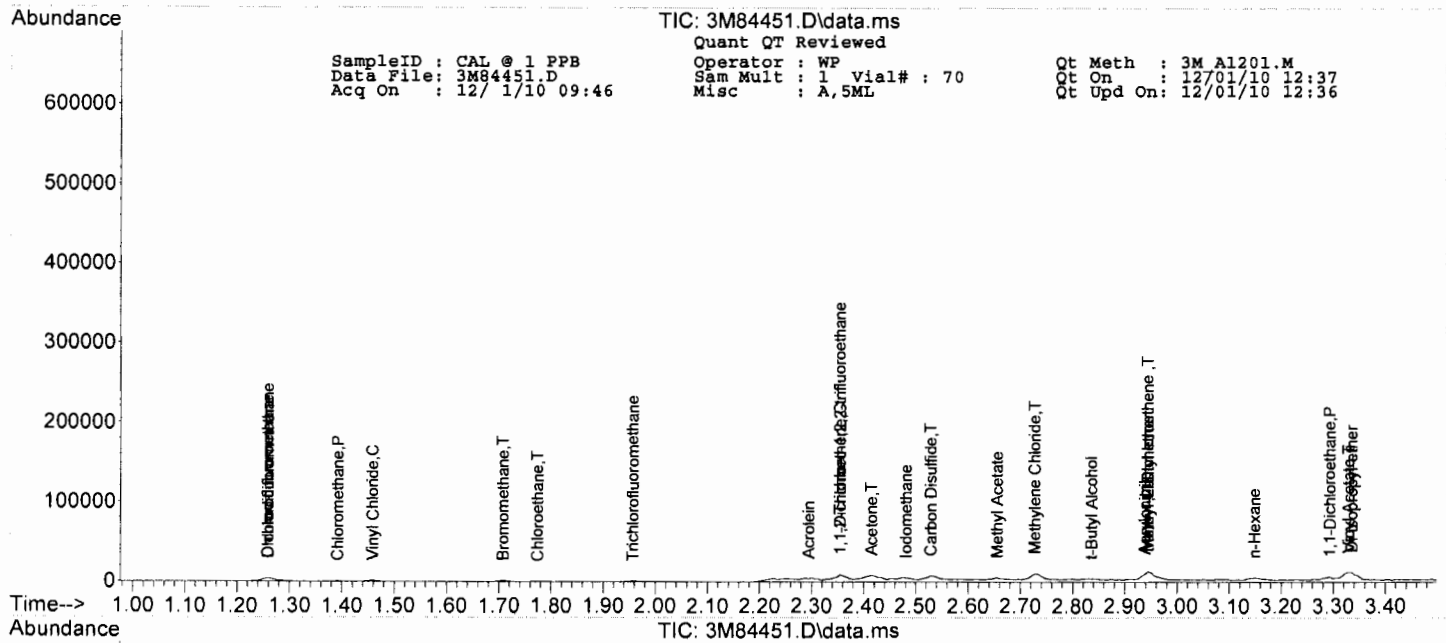
Quantitation Report (QT Reviewed)

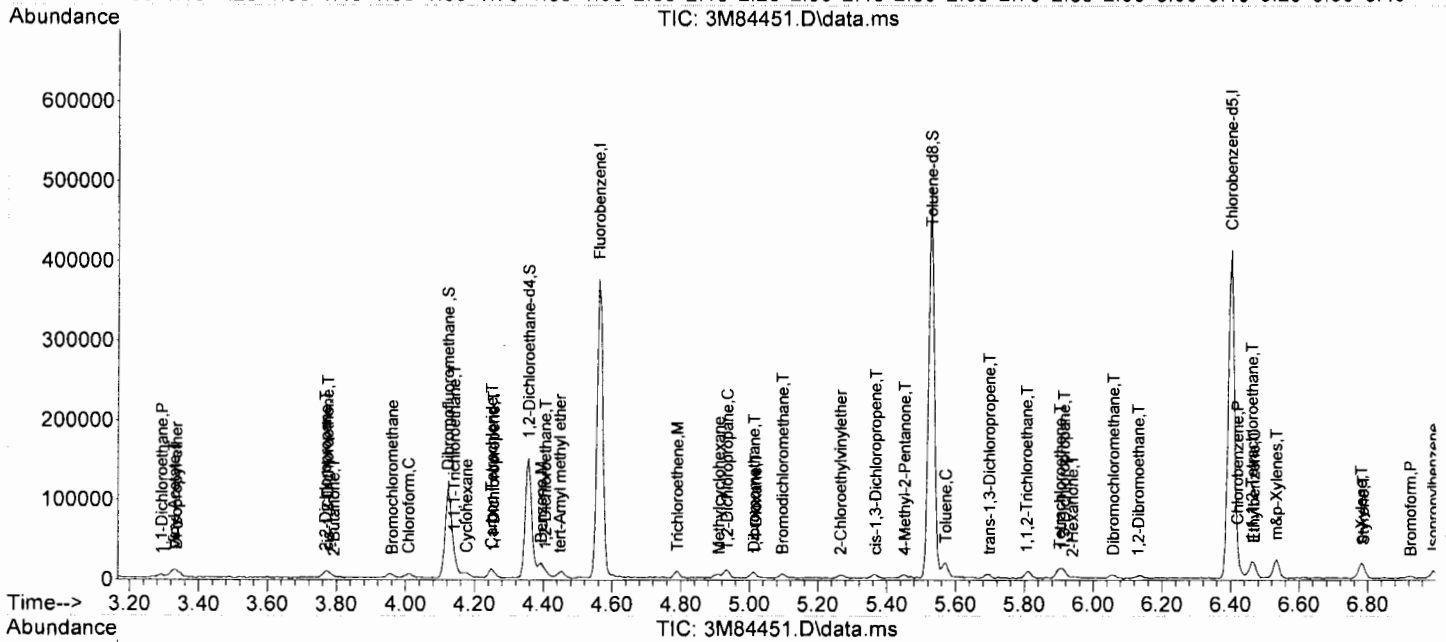
SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84451.D Sam Mult : 1 Vial# : 70 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 09:46 Misc : A,5ML Qt Upd On: 12/01/10 12:36

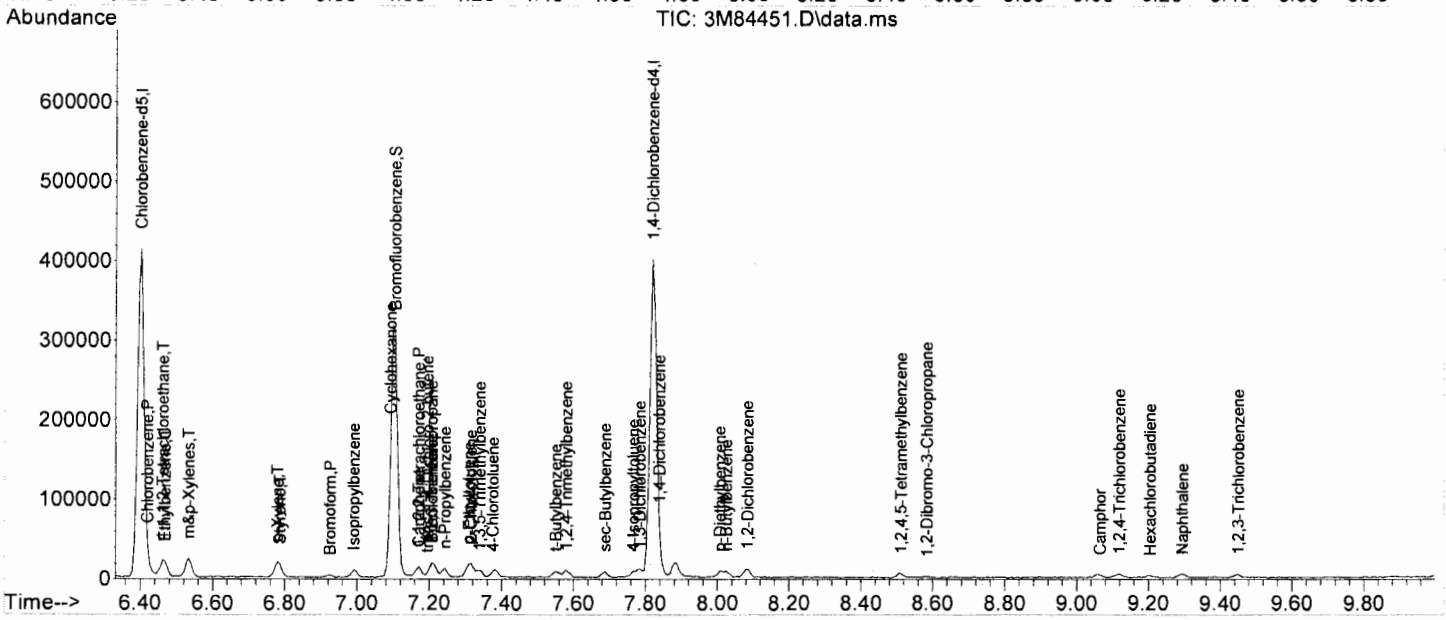
Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70)	o-Xylene	6.781	106	1871	0.76	ug/l		87
71)	trans-1,4-Dichloro-2-b...	7.195	53	960	1.09	ug/l	#	70
72)	1,3-Dichlorobenzene	7.785	146	3323	0.96	ug/l		96
73)	1,4-Dichlorobenzene	7.839	146	3966m	1.05	ug/l		
74)	1,2-Dichlorobenzene	8.085	146	3984	1.12	ug/l		92
75)	Isopropylbenzene	6.991	105	4227	0.74	ug/l		87
76)	Cyclohexanone	7.093	55	724	8.01	ug/l	#	53
77)	Camphene	7.171	93	1002	1.26	ug/l		87
78)	1,2,3-Trichloropropane	7.207	75	3087	1.11	ug/l		87
79)	2-Chlorotoluene	7.316	91	4414	1.11	ug/l		95
80)	p-Ethyltoluene	7.310	105	4294	0.75	ug/l		98
81)	4-Chlorotoluene	7.376	91	3344	0.81	ug/l		95
82)	n-Propylbenzene	7.244	91	6027	0.82	ug/l		93
83)	Bromobenzene	7.207	77	5045	1.13	ug/l		86
84)	1,3,5-Trimethylbenzene	7.340	105	3620	0.80	ug/l		97
85)	t-Butylbenzene	7.550	119	3064	0.77	ug/l		93
86)	1,2,4-Trimethylbenzene	7.580	105	3478	0.70	ug/l		91
87)	sec-Butylbenzene	7.689	105	3254	0.66	ug/l		89
88)	4-Isopropyltoluene	7.767	119	2345	0.64	ug/l		95
89)	n-Butylbenzene	8.025	91	3714	0.84	ug/l		96
90)	p-Diethylbenzene	8.007	119	1758	0.75	ug/l	#	76
91)	1,2,4,5-Tetramethylben...	8.512	119	2604	0.75	ug/l		70
92)	1,2-Dibromo-3-Chloropr...	8.585	157	357	0.79	ug/l	#	8
93)	Camphor	9.066	95	1044	13.15	ug/l		91
94)	Hexachlorobutadiene	9.204	225	727	0.95	ug/l		88
95)	1,2,4-Trichlorobenzene	9.120	180	1511	0.76	ug/l	#	82
96)	1,2,3-Trichlorobenzene	9.450	180	1445	0.76	ug/l	#	79
97)	Naphthalene	9.294	128	2972	0.58	ug/l		100

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


Abundance
TIC: 3M84451.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 3M84451.D
Acq On : 12/ 1/10 09:46
Operator : WP
Sam Mult : 1 Vial# : 70
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M84451.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->


Abundance
TIC: 3M84451.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
sec-Butylbenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M84452.D Sam Mult : 1 Vial# : 71 Qt On : 12/01/10 12:37
Acq On : 12/ 1/10 10:06 Misc : A,5ML Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.567	96	174901	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.401	117	147539	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.827	152	82639	30.00 ug/l	0.01
System Monitoring Compounds					
33) Dibromofluoromethane	4.122	111	49447	32.80 ug/l	0.00
Spiked Amount 30.000			Recovery = 109.33%		
35) 1,2-Dichloroethane-d4	4.357	102	11224	32.39 ug/l	0.00
Spiked Amount 30.000			Recovery = 107.97%		
59) Toluene-d8	5.530	100	121802	31.61 ug/l	0.00
Spiked Amount 30.000			Recovery = 105.37%		
67) Bromofluorobenzene	7.105	174	68939	28.26 ug/l	0.00
Spiked Amount 30.000			Recovery = 94.20%		
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D.	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D. d	
15) Acrylonitrile	0.000		0	N.D. d	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D. d	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D. d	
24) Methyl-t-butyl ether	2.944	73	920	0.49 ug/l #	24
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D. d	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D. d	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	4.405	62	1718	0.65 ug/l	83
37) 2-Butanone	0.000		0	N.D. d	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	0.000		0	N.D. d	
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D. d	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	4.393	78	3549	0.59 ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	0.000		0	N.D. d	
50) 2-Chloroethylvinylether	0.000		0	N.D. d	
51) cis-1,3-Dichloropropene	0.000		0	N.D. d	
52) trans-1,3-Dichloropropene	0.000		0	N.D. d	
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D. d	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D. d	
58) Tetrachloroethene	0.000		0	N.D. d	
60) Toluene	0.000		0	N.D. d	
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D. d	
65) Ethylbenzene	0.000		0	N.D. d	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.540	106	2623	1.18 ug/l	83

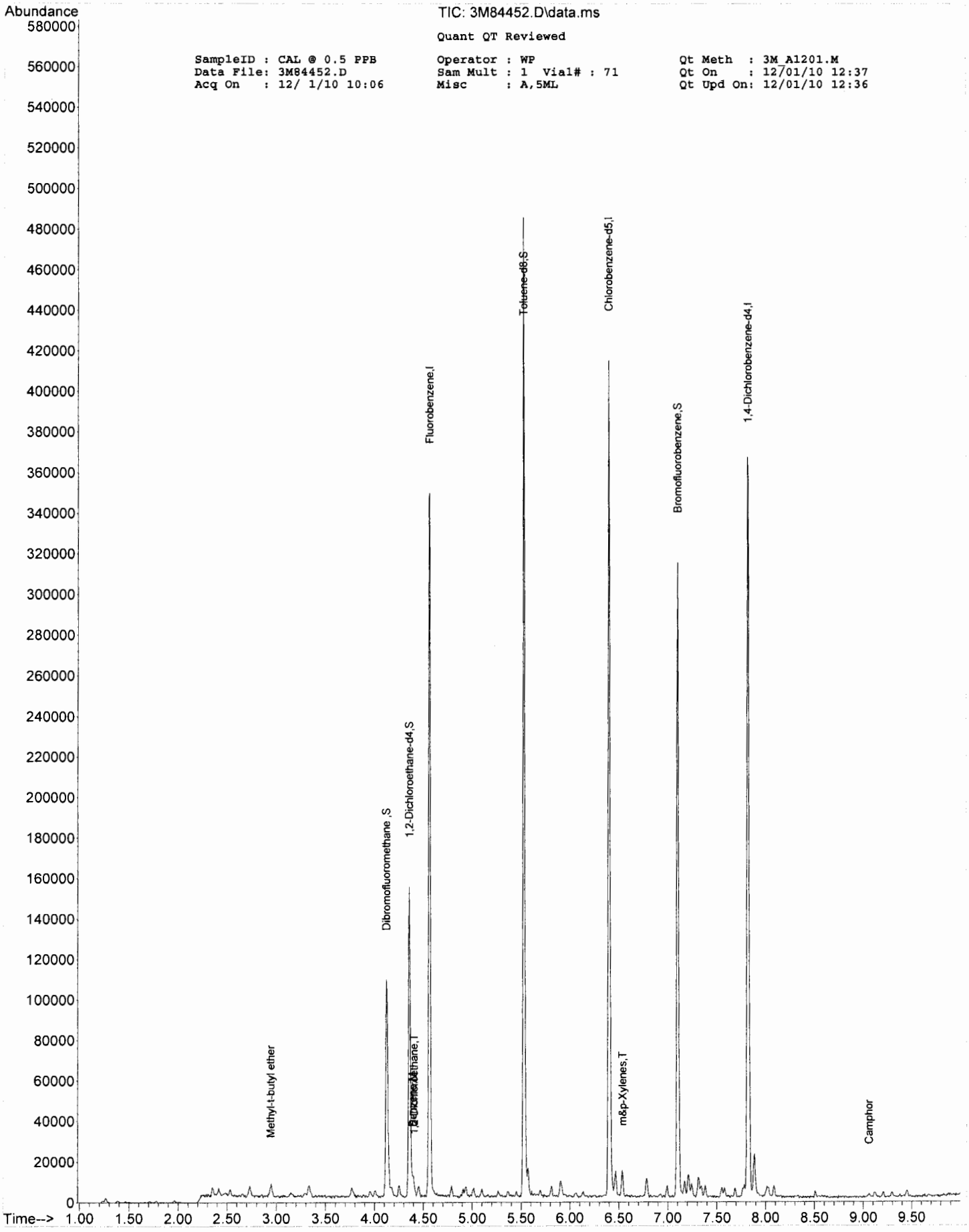
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB
Data File: 3M84452.D
Acq On : 12/ 1/10 10:06
Operator : WP
Sam Mult : 1 Vial# : 71
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	0.000		0	N.D. d	
71) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
72) 1,3-Dichlorobenzene	0.000		0	N.D. d	
73) 1,4-Dichlorobenzene	0.000		0	N.D. d	
74) 1,2-Dichlorobenzene	0.000		0	N.D. d	
75) Isopropylbenzene	0.000		0	N.D. d	
76) Cyclohexanone	0.000		0	N.D. d	
77) Camphene	0.000		0	N.D. d	
78) 1,2,3-Trichloropropane	0.000		0	N.D. d	
79) 2-Chlorotoluene	0.000		0	N.D. d	
80) p-Ethyltoluene	0.000		0	N.D. d	
81) 4-Chlorotoluene	0.000		0	N.D. d	
82) n-Propylbenzene	0.000		0	N.D. d	
83) Bromobenzene	0.000		0	N.D. d	
84) 1,3,5-Trimethylbenzene	0.000		0	N.D. d	
85) t-Butylbenzene	0.000		0	N.D. d	
86) 1,2,4-Trimethylbenzene	0.000		0	N.D. d	
87) sec-Butylbenzene	0.000		0	N.D. d	
88) 4-Isopropyltoluene	0.000		0	N.D. d	
89) n-Butylbenzene	0.000		0	N.D. d	
90) p-Diethylbenzene	0.000		0	N.D. d	
91) 1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
92) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d	
93) Camphor	9.059	95	319	4.27 ug/l #	7
94) Hexachlorobutadiene	0.000		0	N.D. d	
95) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
96) 1,2,3-Trichlorobenzene	0.000		0	N.D. d	
97) Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 3M84452.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 3M84452.D
Acq On : 12/ 1/10 10:06
Operator : WP
Sam Mult : 1 Vial# : 71
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/01/10 12:37
Qt Upd On: 12/01/10 12:36
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M85894.D **Instrument:** GCMS 3

Cont Calibration Date/Time 12/30/2010 6:34:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.55	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.26	15.43				0.567			
Dichlorodifluoromethane	1	0		1.25	19.19	20			0.291	0.279	4.05	
Chloromethane	1	0	CP	1.38	34.75	20	0.1		0.221	0.384	73.75	
Bromomethane	1	0		1.70	21.94	20			0.078	0.086	9.70	
Vinyl Chloride	1	0	CC	1.46	16.60	20	20		0.170	0.141	17.00	
Chloroethane	1	0		1.78	20.69	20			0.026	0.027	3.45	
Trichlorofluoromethane	1	0		1.96	22.03	20			0.147	0.161	10.15	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.34	29.77	20			0.080	0.115	48.85	
Methylene Chloride	1	0		2.72	16.64	20			0.257	0.214	16.80	
Acrolein	1	0		2.28	176.28	100			0.025	0.044	76.28	
Acrylonitrile	1	0		2.93	16.55	20			0.127	0.105	17.25	
Iodomethane	1	0		2.47	16.38	20			0.332	0.272	18.10	
Acetone	1	0		2.40	70.17	100			0.131	0.092	29.83	
Carbon Disulfide	1	0		2.52	16.08	20			0.727	0.585	19.60	
t-Butyl Alcohol	1	0		2.82	56.28	100			0.013	0.007	43.72	
n-Hexane	1	0		3.14	15.93	20			0.153	0.136	20.35	
Di-isopropyl-ether	1	0		3.32	17.84	20			1.006	0.897	10.80	
1,1-Dichloroethene	1	0	CC	2.35	19.28	20	20		0.275	0.287	3.60	
Methyl Acetate	1	0		2.64	13.97	20			0.358	0.250	30.15	
Methyl-t-butyl ether	1	0		2.93	14.70	20			0.306	0.225	26.50	
1,1-Dichloroethane	1	0	CP	3.27	17.72	20	0.1		0.483	0.428	11.40	
trans-1,2-Dichloroethene	1	0		2.94	17.67	20			0.191	0.169	11.65	
cis-1,2-Dichloroethene	1	0		3.76	17.62	20			0.460	0.406	11.90	
Bromochloromethane	1	0		3.94	17.56	20			0.343	0.301	12.20	
2,2-Dichloropropane	1	0		3.76	19.35	20			0.177	0.171	3.25	
1,4-Dioxane	1	0		5.00	859.28	1000			0.003	0.003	14.07	
1,1-Dichloropropene	1	0		4.24	20.01	20			0.329	0.329	0.05	
Chloroform	1	0	CC	4.00	18.92	20	20		0.426	0.403	5.40	
Dibromofluoromethane	1	0	S	4.11	30.09	30			0.261	0.261	0.30	
Cyclohexane	1	0		4.16	17.54	20			0.315	0.301	12.30	
1,2-Dichloroethane-d4	1	0	S	4.34	29.76	30			0.059	0.059	0.80	
1,2-Dichloroethane	1	0		4.39	18.27	20			0.472	0.432	8.65	
2-Butanone	1	0		3.77	14.23	20			0.240	0.171	28.85	
1,1,1-Trichloroethane	1	0		4.13	17.84	20			0.282	0.252	10.80	
Carbon Tetrachloride	1	0		4.24	19.40	20			0.240	0.232	3.00	
Vinyl Acetate	1	0		3.31	16.68	20			1.287	1.073	16.60	
Bromodichloromethane	1	0		5.08	19.64	20			0.376	0.369	1.80	
Methylcyclohexane	1	0		4.89	19.54	20			0.196	0.204	2.30	
Dibromomethane	1	0		5.00	21.08	20			0.230	0.243	5.40	
1,2-Dichloropropane	1	0	CC	4.92	18.97	20	20		0.366	0.347	5.15	
Trichloroethene	1	0		4.78	20.20	20			0.248	0.251	1.00	
Benzene	1	0		4.38	19.43	20			1.048	1.019	2.85	
tert-Amyl methyl ether	1	0		4.44	16.55	20			0.315	0.261	17.25	
Chlorobenzene-d5	1	0	I	6.38	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.04	19.28	20			0.368	0.354	3.60	
2-Chloroethylvinylether	1	0		5.25	13.60	20			0.275	0.227	32.00	
cis-1,3-Dichloropropene	1	0		5.35	14.72	20			0.493	0.455	26.40	
trans-1,3-Dichloropropene	1	0		5.68	13.12	20			0.430	0.369	34.40	
1,1,2-Trichloroethane	1	0		5.79	19.11	20			0.349	0.333	4.45	
1,2-Dibromoethane	1	0		6.12	19.17	20			0.387	0.371	4.15	
1,3-Dichloropropane	1	0		5.90	19.66	20			0.666	0.655	1.70	
4-Methyl-2-Pentanone	1	0		5.44	12.99	20			0.624	0.487	35.05	
2-Hexanone	1	0		5.93	12.85	20			0.448	0.345	35.75	
Tetrachloroethene	1	0		5.88	21.73	20			0.266	0.289	8.65	
Toluene-d8	1	0	S	5.52	30.57	30			0.844	0.860	1.90	
Toluene	1	0	CC	5.55	20.71	20	20		0.791	0.819	3.55	
1,1,1,2-Tetrachloroethane	1	0		6.44	22.47	20			0.281	0.316	12.35	
Chlorobenzene	1	0	CP	6.40	20.37	20	0.3		0.903	0.920	1.85	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.91	21.43	20	0.1		0.459	0.397	7.15	
Ethylbenzene	1	0	CC	6.46	20.64	20	20		0.528	0.545	3.20	
1,1,2,2-Tetrachloroethane	1	0	CP	7.16	17.65	20	0.3		0.898	0.793	11.75	
Bromofluorobenzene	1	0	S	7.09	29.70	30			0.862	0.854	1.00	
Styrene	1	0		6.77	22.14	20			1.275	1.412	10.70	
m&p-Xylenes	1	0		6.52	42.01	40			0.779	0.818	5.02	
o-Xylene	1	0		6.76	22.91	20			0.715	0.819	14.55	
trans-1,4-Dichloro-2-butene	1	0		7.19	18.73	20			0.381	0.356	6.35	
1,3-Dichlorobenzene	1	0		7.77	20.38	20			1.159	1.181	1.90	
1,4-Dichlorobenzene	1	0		7.82	19.88	20			1.233	1.226	0.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M85894.D **Instrument:** GCMS 3

Cont Calibration Date/Time 12/30/2010 6:34:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.07	18.86	20			1.233	1.163	5.70	
Isopropylbenzene	1	0		6.98	20.96	20			1.690	1.771	4.80	
Cyclohexanone	1	0		7.07	81.25				0.033			
Camphene	1	0		7.16	20.51	20			0.395	0.431	2.55	
1.2.3-Trichloropropane	1	0		7.19	17.24	20			0.968	0.834	13.80	
2-Chlorotoluene	1	0		7.30	19.96	20			1.417	1.414	0.20	
p-Ethyltoluene	1	0		7.29	21.67				1.865			
4-Chlorotoluene	1	0		7.36	21.50	20			1.408	1.514	7.50	
n-Propylbenzene	1	0		7.22	21.62	20			2.344	2.534	8.10	
Bromobenzene	1	0		7.19	19.90	20			1.531	1.523	0.50	
1.3.5-Trimethylbenzene	1	0		7.32	20.87	20			1.516	1.582	4.35	
t-Butylbenzene	1	0		7.54	20.48	20			1.283	1.314	2.40	
1.2.4-Trimethylbenzene	1	0		7.56	20.60	20			1.642	1.691	3.00	
sec-Butylbenzene	1	0		7.67	19.86	20			1.573	1.644	0.70	
4-Isopropyltoluene	1	0		7.75	22.22	20			1.177	1.300	11.10	
n-Butylbenzene	1	0		8.01	22.24	20			1.493	1.660	11.20	
p-Diethylbenzene	1	0		7.99	22.19				0.728			
1.2.4.5-Tetramethylbenzene	1	0		8.49	16.34				1.138			
1.2-Dibromo-3-Chloropropane	1	0		8.57	9.94	20			0.160	0.110	50.30	
Camphor	1	0		9.04	119.39	200			0.056	0.046	40.31	
Hexachlorobutadiene	1	0		9.19	22.25	20			0.278	0.321	11.25	
1.2.4-Trichlorobenzene	1	0		9.10	20.15	20			0.686	0.692	0.75	
1.2.3-Trichlorobenzene	1	0		9.43	17.48	20			0.680	0.631	12.60	
Naphthalene	1	0		9.28	14.88	20			1.832	1.564	25.60	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 3M85894.D
Acq On : 12/30/10 06:34

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML

Qt Meth : 3M_A1201.M
Qt On : 12/30/10 07:59
Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	171405	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.383	117	134091	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.808	152	85516	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	44805	30.09	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.30%			
35) 1,2-Dichloroethane-d4	4.344	102	10101	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
59) Toluene-d8	5.517	100	115354	30.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.90%			
67) Bromofluorobenzene	7.086	174	72997	29.70	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.00%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.263	51	50025	15.43	ug/l	99
6) Dichlorodifluoromethane	1.246	85	31937	19.19	ug/l	87
7) Chloromethane	1.379	50	43884	34.75	ug/l	88
8) Bromomethane	1.695	94	9782	21.94	ug/l	99
9) Vinyl Chloride	1.463	62	16160	16.60	ug/l	98
10) Chloroethane	1.779	66	3092	20.69	ug/l	63
11) Trichlorofluoromethane	1.961	101	18450	22.03	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	13122	29.77	ug/l	90
13) Methylene Chloride	2.721	84	24473	16.64	ug/l	95
14) Acrolein	2.282	56	25137	176.28	ug/l	92
15) Acrylonitrile	2.925	53	12027	16.55	ug/l	79
16) Iodomethane	2.468	142	31084	16.38	ug/l	99
17) Acetone	2.402	43	52354	70.17	ug/l	96
18) Carbon Disulfide	2.522	76	66806	16.08	ug/l	100
19) t-Butyl Alcohol	2.817	59	4200	56.28	ug/l	96
20) n-Hexane	3.136	57	15531	15.93	ug/l	82
21) Di-isopropyl-ether	3.316	45	102518	17.84	ug/l	79
22) 1,1-Dichloroethene	2.348	61	32796	19.28	ug/l	88
23) Methyl Acetate	2.643	43	28581	13.97	ug/l	100
24) Methyl-t-butyl ether	2.931	73	25716	14.70	ug/l	49
25) 1,1-Dichloroethane	3.274	63	48917	17.72	ug/l	94
26) trans-1,2-Dichloroethene	2.937	96	19298	17.67	ug/l	97
27) cis-1,2-Dichloroethene	3.755	61	46338	17.62	ug/l	86
28) Bromochloromethane	3.942	49	34436	17.56	ug/l	91
29) 2,2-Dichloropropane	3.755	77	19555	19.35	ug/l	94
30) 1,4-Dioxane	5.000	88	14409	859.28	ug/l	68
31) 1,1-Dichloropropene	4.236	75	37651	20.01	ug/l	99
32) Chloroform	3.996	83	46089	18.92	ug/l	95
34) Cyclohexane	4.164	56	34408	17.54	ug/l	79
36) 1,2-Dichloroethane	4.393	62	49314	18.27	ug/l	93
37) 2-Butanone	3.773	43	19516	14.23	ug/l	85
38) 1,1,1-Trichloroethane	4.128	97	28755	17.84	ug/l	97
39) Carbon Tetrachloride	4.236	117	26554	19.40	ug/l	80
40) Vinyl Acetate	3.310	43	122638	16.68	ug/l	100
41) Bromodichloromethane	5.084	83	42205	19.64	ug/l	96
42) Methylcyclohexane	4.892	83	23305	19.54	ug/l	86
43) Dibromomethane	5.000	174	27715	21.08	ug/l	89
44) 1,2-Dichloropropane	4.922	63	39623	18.97	ug/l	99
45) Trichloroethene	4.777	130	28644	20.20	ug/l	88
46) Benzene	4.380	78	116406	19.43	ug/l	100
47) tert-Amyl methyl ether	4.441	73	29817	16.55	ug/l	31
49) Dibromochloromethane	6.040	129	31683	19.28	ug/l	92
50) 2-Chloroethylvinylether	5.252	63	20272	13.60	ug/l	88
51) cis-1,3-Dichloropropene	5.349	75	40659	14.72	ug/l	96
52) trans-1,3-Dichloropropene	5.679	75	32943	13.12	ug/l	98
53) 1,1,2-Trichloroethane	5.794	97	29796	19.11	ug/l	91
54) 1,2-Dibromoethane	6.118	107	33171	19.17	ug/l	91
55) 1,3-Dichloropropane	5.896	76	58548	19.66	ug/l	92
56) 4-Methyl-2-Pentanone	5.439	43	43564	12.99	ug/l	97
57) 2-Hexanone	5.926	43	30842	12.85	ug/l	89
58) Tetrachloroethene	5.884	164	25871	21.73	ug/l	99
60) Toluene	5.553	92	73243	20.71	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.443	133	28215	22.47	ug/l	91
62) Chlorobenzene	6.401	112	82198	20.37	ug/l	99
64) Bromoform	6.906	173	22653	21.43	ug/l	96
65) Ethylbenzene	6.455	106	31072	20.64	ug/l	80
66) 1,1,2,2-Tetrachloroethane	7.159	83	45189	17.65	ug/l	91
68) Styrene	6.768	104	80474	22.14	ug/l	100
69) m&p-Xylenes	6.521	106	93300	42.01	ug/l	93

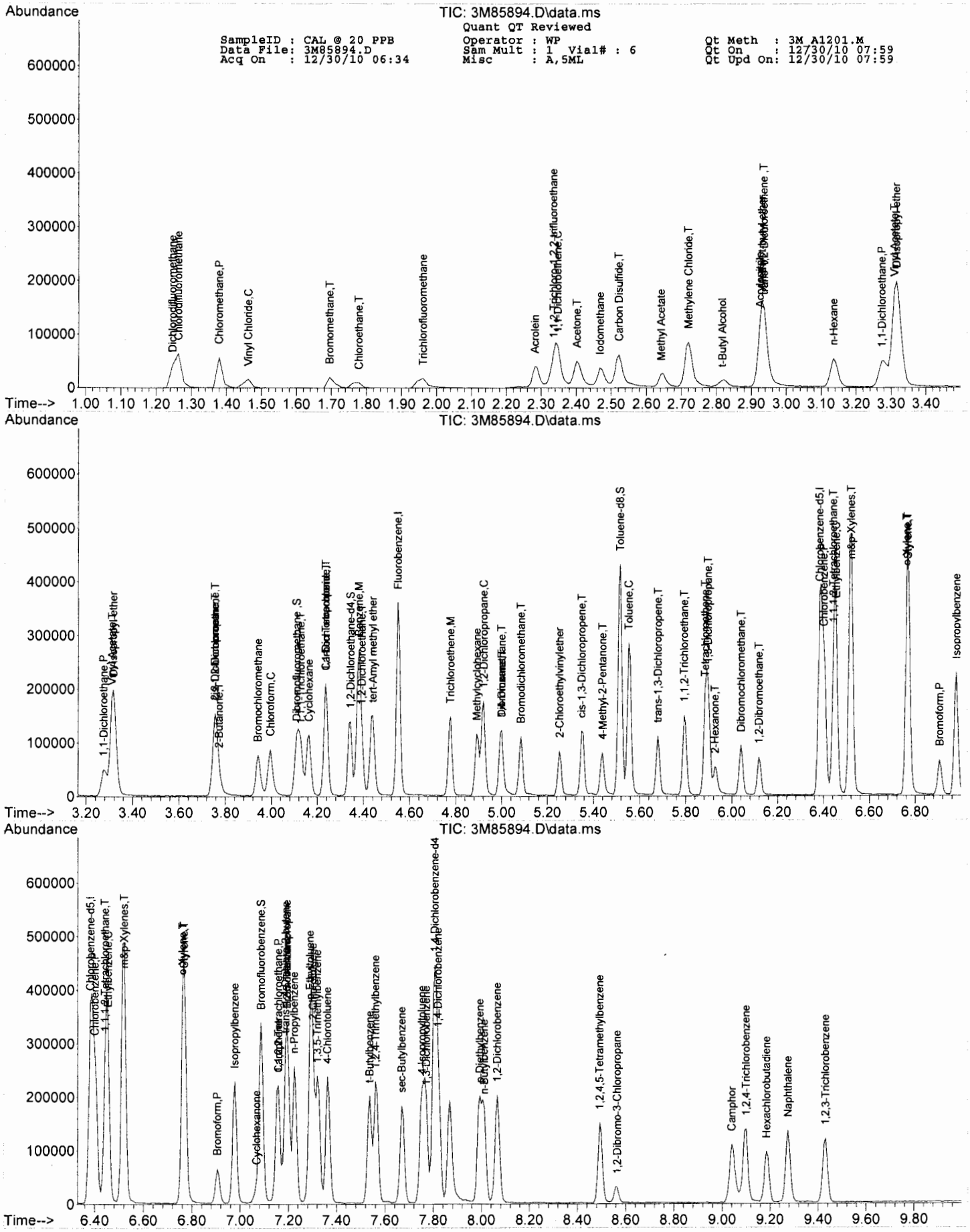
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85894.D Sam Mult : 1 Vial# : 6 Qt On : 12/30/10 07:59
Acq On : 12/30/10 06:34 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.762	106	46669	22.91	ug/l	84
71)	trans-1,4-Dichloro-2-b...	7.189	53	20324	18.73	ug/l	37
72)	1,3-Dichlorobenzene	7.772	146	67325	20.38	ug/l	99
73)	1,4-Dichlorobenzene	7.820	146	69911	19.88	ug/l	95
74)	1,2-Dichlorobenzene	8.067	146	66307	18.86	ug/l	99
75)	Isopropylbenzene	6.978	105	100946	20.96	ug/l	99
76)	Cyclohexanone	7.068	55	8469	81.25	ug/l	93
77)	Camphene	7.159	93	24550	20.51	ug/l	94
78)	1,2,3-Trichloropropane	7.195	75	47567	17.24	ug/l	94
79)	2-Chlorotoluene	7.303	91	80585	19.96	ug/l	98
80)	p-Ethyltoluene	7.291	105	115240	21.67	ug/l	99
81)	4-Chlorotoluene	7.363	91	86288	21.50	ug/l	97
82)	n-Propylbenzene	7.225	91	144442	21.62	ug/l	97
83)	Bromobenzene	7.195	77	86825	19.90	ug/l	92
84)	1,3,5-Trimethylbenzene	7.321	105	90181	20.87	ug/l	97
85)	t-Butylbenzene	7.537	119	74899	20.48	ug/l	96
86)	1,2,4-Trimethylbenzene	7.562	105	96406	20.60	ug/l	89
87)	sec-Butylbenzene	7.670	105	93708	19.86	ug/l	97
88)	4-Isopropyltoluene	7.754	119	74087	22.22	ug/l	99
89)	n-Butylbenzene	8.013	91	94627	22.24	ug/l	98
90)	p-Diethylbenzene	7.994	119	46865	22.19	ug/l	93
91)	1,2,4,5-Tetramethylben...	8.494	119	64125	16.34	ug/l	99
92)	1,2-Dibromo-3-Chloropr...	8.566	157	6288	9.94	ug/l	95
93)	Camphor	9.041	95	26356	119.39	ug/l	93
94)	Hexachlorobutadiene	9.185	225	18310	22.25	ug/l	100
95)	1,2,4-Trichlorobenzene	9.101	180	39424	20.15	ug/l	98
96)	1,2,3-Trichlorobenzene	9.432	180	35984	17.48	ug/l	98
97)	Naphthalene	9.275	128	89145	14.88	ug/l	100

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


Abundance
TIC: 3M85894.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M85894.D
Acq On : 12/30/10 06:34
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 07:59
Qt Upd On: 12/30/10 07:59
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M85894.D\data.ms
1,1-Dichloroethane,P
2-Butanone,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 3M85894.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
1,1,1,2-Tetrachloroethane,T
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
Carbon tetrachloride,P
trans-1,4-Dichloro-2-butene
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

SPLP
GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M84449.D
Analysis Date: 12/01/10 09:09
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.444 to 4.473 min

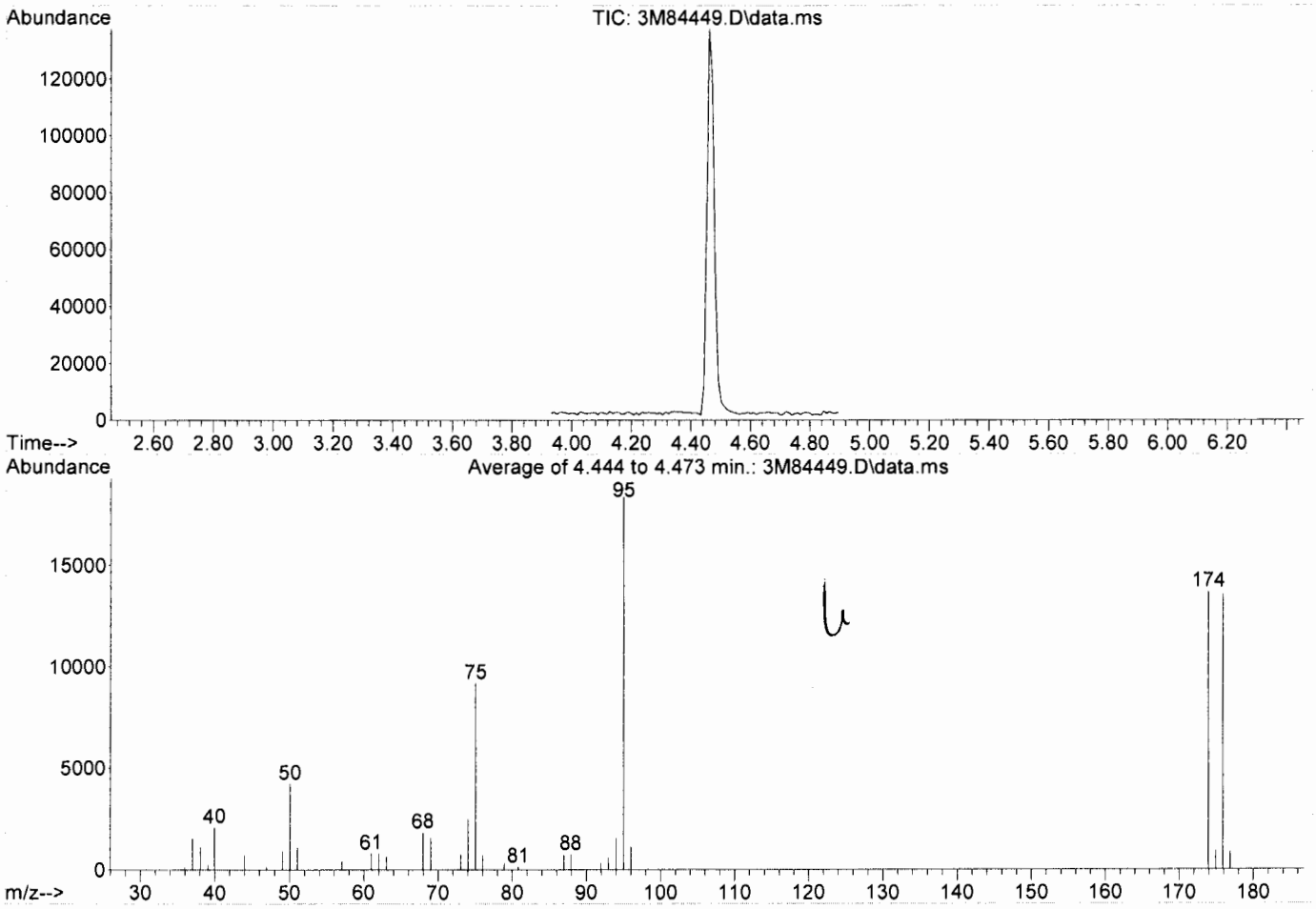
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.1	4238	PASS
75	95	30	60	50.2	9211	PASS
95	95	100	100	100.0	18359	PASS
96	95	5	9	6.2	1140	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.5	13681	PASS
175	174	5	9	6.9	945	PASS
176	174	95	101	98.9	13529	PASS
177	176	5	9	6.5	873	PASS

Data File	Sample Number	Analysis Date:
3M84450.D	BLK	12/01/10 09:30
3M84451.D	CAL @ 1 PPB	12/01/10 09:46
3M84452.D	CAL @ 0.5 PPB	12/01/10 10:06
3M84453.D	CAL @ 5 PPB	12/01/10 10:28
3M84454.D	CAL @ 500 PPB	12/01/10 10:47
3M84455.D	CAL @ 250 PPB	12/01/10 11:04
3M84456.D	CAL @ 100 PPB	12/01/10 11:21
3M84457.D	CAL @ 50 PPB	12/01/10 11:38
3M84458.D	CAL @ 20 PPB	12/01/10 11:54
3M84459.D	CAL @ 10 PPB	12/01/10 12:22
3M84460.D	10 PPB	12/01/10 12:39
3M84461.D	BLK	12/01/10 12:59
3M84462.D	ICV	12/01/10 13:16
3M84463.D	BLK	12/01/10 13:36
3M84464.D	DAILY BLANK	12/01/10 13:52
3M84465.D	DAILY BLANK	12/01/10 14:09
3M84466.D	MBS3761	12/01/10 14:25
3M84467.D	MBS3762	12/01/10 14:42
3M84468.D	AC56022-013	12/01/10 15:12
3M84469.D	BLKJUG#1	12/01/10 15:29
3M84470.D	AC55987-003(5X)	12/01/10 15:48
3M84471.D	AC56022-014	12/01/10 16:07
3M84472.D	AC56022-015	12/01/10 16:23
3M84473.D	AC56022-016	12/01/10 16:40
3M84474.D	AC55984-002(T)	12/01/10 16:56
3M84475.D	AC56019-004	12/01/10 17:13
3M84476.D	AC56019-007	12/01/10 17:30
3M84477.D	AC56019-008	12/01/10 17:46
3M84478.D	AC56019-011	12/01/10 18:03
3M84479.D	AC56019-013	12/01/10 18:20
3M84480.D	AC56019-015	12/01/10 18:36
3M84481.D	AC56019-019	12/01/10 18:53
3M84482.D	AC56019-020	12/01/10 19:10
3M84483.D	AC56019-022	12/01/10 19:27
3M84484.D	AC56007-004(MS)	12/01/10 19:43

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-01-10\
Data File : 3M84449.D
Acq On : 1 Dec 2010 9:09
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 68 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_3\METHODQT\3M_A1201.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Dec 01 12:58:45 2010



Spectrum Information: Average of 4.444 to 4.473 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	4238	PASS
75	95	30	60	50.2	9211	PASS
95	95	100	100	100.0	18359	PASS
96	95	5	9	6.2	1140	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.5	13681	PASS
175	174	5	9	6.9	945	PASS
176	174	95	101	98.9	13529	PASS
177	176	5	9	6.5	873	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 3M85893.D
Instrument: GCMS 3 **Analysis Date:** 12/30/10 06:24
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.418 to 4.418 min

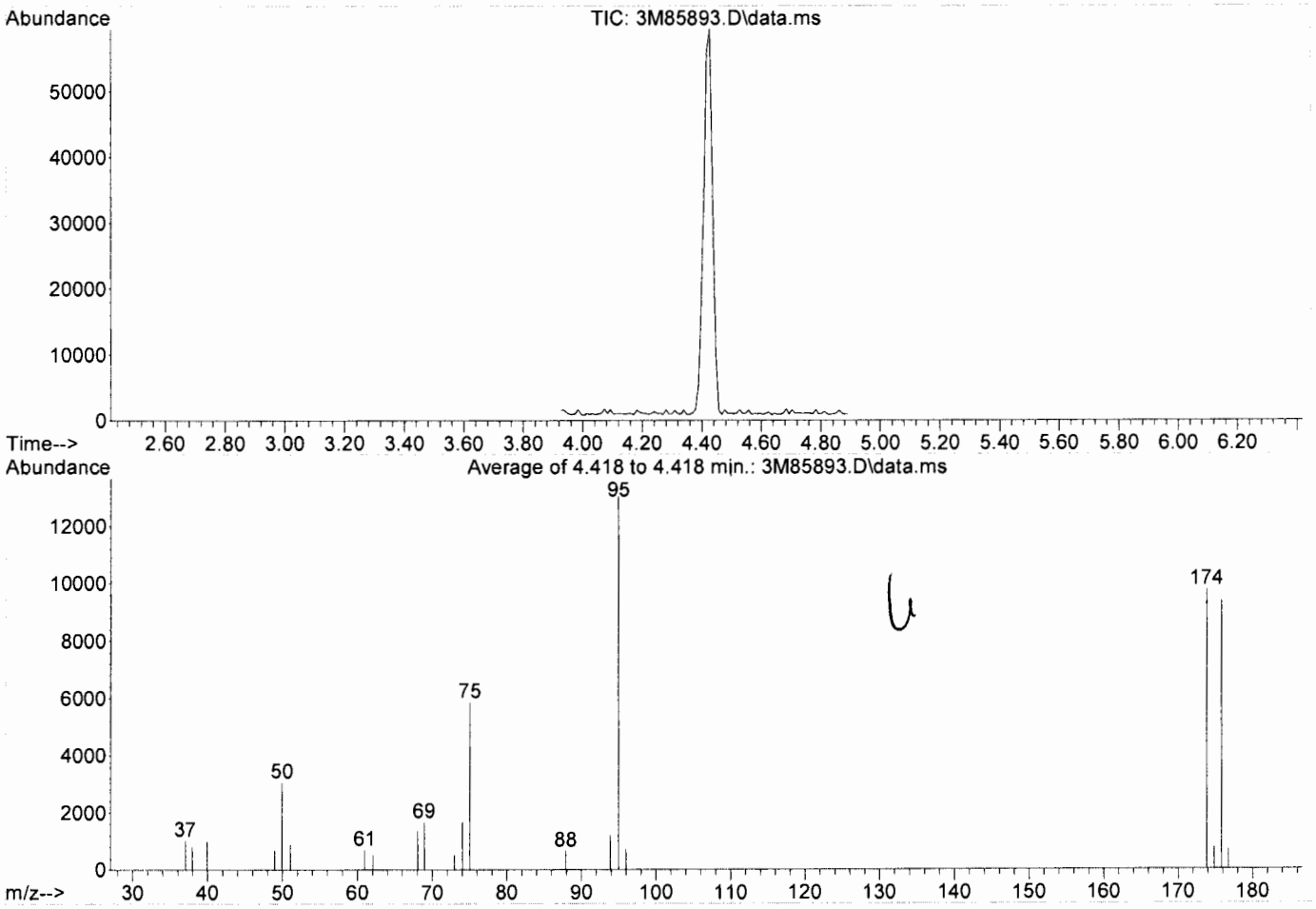
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.5	3062	PASS
75	95	30	60	45.0	5861	PASS
95	95	100	100	100.0	13030	PASS
96	95	5	9	5.4	709	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	9755	PASS
175	174	5	9	7.8	759	PASS
176	174	95	101	96.2	9385	PASS
177	176	5	9	7.4	691	PASS

Data File	Sample Number	Analysis Date:
3M85894.D	CAL @ 20 PPB	12/30/10 06:34
3M85895.D	BLK	12/30/10 06:55
3M85896.D	DAILY BLANK	12/30/10 07:12
3M85897.D	DAILY BLANK	12/30/10 07:28
3M85898.D	AC56399-001(T)	12/30/10 07:45
3M85899.D	AC56495-001(T)	12/30/10 08:01
3M85900.D	AC56495-002(T)	12/30/10 08:18
3M85901.D	EF-SPLP FL-1014(	12/30/10 08:34
3M85902.D	MBS5380	12/30/10 08:51
3M85903.D	MBS5381	12/30/10 09:08
3M85904.D	AC56515-026(20X)	12/30/10 09:24
3M85905.D	AC56515-029(500X	12/30/10 09:41
3M85906.D	AC56515-028(500X	12/30/10 09:57
3M85907.D	AC56517-001	12/30/10 10:14
3M85908.D	AC56517-041	12/30/10 10:33
3M85909.D	AC56517-042	12/30/10 10:50
3M85910.D	AC56517-043(MS:	12/30/10 11:06
3M85911.D	AC56517-044(MSD	12/30/10 11:23
3M85912.D	AC56517-047	12/30/10 11:40
3M85913.D	AC56517-048	12/30/10 11:56
3M85914.D	AC56517-025	12/30/10 12:13
3M85915.D	AC56517-026	12/30/10 12:30
3M85916.D	AC56517-027	12/30/10 12:47
3M85917.D	AC56517-033	12/30/10 13:03
3M85918.D	AC56517-034	12/30/10 13:20
3M85919.D	AC56517-035	12/30/10 13:37
3M85920.D	AC56517-036	12/30/10 13:53
3M85921.D	BLK	12/30/10 14:10
3M85922.D	AC56534-001	12/30/10 14:27
3M85923.D	AC56534-002	12/30/10 14:43
3M85924.D	AC56534-005	12/30/10 15:00
3M85925.D	MBS5385	12/30/10 15:16
3M85926.D	AC56568-001	12/30/10 15:33
3M85927.D	AC56568-002	12/30/10 15:49
3M85928.D	AC56568-003	12/30/10 16:05
3M85929.D	BLKJUG#2	12/30/10 16:22
3M85930.D	AC56517-025	12/30/10 16:38
3M85931.D	AC56517-036	12/30/10 16:55
3M85932.D	AC56556-002(T)	12/30/10 17:12
3M85933.D	EF-1V-104503(123	12/30/10 17:29
3M85934.D	AC56495-002(T:M	12/30/10 17:45
3M85935.D	AC56495-002(T:M	12/30/10 18:01
3M85936.D	BLKJUG#2	12/30/10 18:18
3M85937.D	AC56561-009	12/30/10 18:35
3M85938.D	AC56561-008	12/30/10 18:51
3M85939.D	AC56561-003(10X)	12/30/10 19:08
3M85940.D	AC56561-001(50X)	12/30/10 19:24
3M85941.D	AC56561-004(100X	12/30/10 19:40
3M85942.D	AC56561-005(200X	12/30/10 19:57
3M85943.D	AC56561-002(500X	12/30/10 20:14
3M85944.D	AC56561-006(500X	12/30/10 20:31
3M85945.D	AC56561-007(1000	12/30/10 20:47
3M85946.D	BLK	12/30/10 21:04
3M85947.D	BLK	12/30/10 21:21
3M85948.D	BLK	12/30/10 21:37
3M85949.D	BLK	12/30/10 21:54

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Data File : 3M85893.D
Acq On : 30 Dec 2010 6:24
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_3\METHODQT\3M_A1201.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Dec 01 12:58:45 2010



Spectrum Information: Average of 4.418 to 4.418 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	3062	PASS
75	95	30	60	45.0	5861	PASS
95	95	100	100	100.0	13030	PASS
96	95	5	9	5.4	709	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	9755	PASS
175	174	5	9	7.8	759	PASS
176	174	95	101	96.2	9385	PASS
177	176	5	9	7.4	691	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M85897.D
Analysis Date: 12/30/10 07:28
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.00048	U	56-23-5	Carbon Tetrachloride	0.00067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00034	U	108-90-7	Chlorobenzene	0.00067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.00082	U	75-00-3	Chloroethane	0.00076	U
79-00-5	1,1,2-Trichloroethane	0.00055	U	67-66-3	Chloroform	0.00036	U
75-34-3	1,1-Dichloroethane	0.00033	U	74-87-3	Chloromethane	0.00045	U
75-35-4	1,1-Dichloroethene	0.00058	U	156-59-2	cis-1,2-Dichloroethene	0.00029	U
96-18-4	1,2,3-Trichloropropane	0.00091	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	U
95-63-6	1,2,4-Trimethylbenzene	0.00024	U	124-48-1	Dibromochloromethane	0.00055	U
95-50-1	1,2-Dichlorobenzene	0.00077	U	75-71-8	Dichlorodifluoromethane	0.00051	U
107-06-2	1,2-Dichloroethane	0.00043	U	100-41-4	Ethylbenzene	0.00065	U
78-87-5	1,2-Dichloropropane	0.00037	U	98-82-8	Isopropylbenzene	0.00042	U
108-67-8	1,3,5-Trimethylbenzene	0.00058	U	136777612	m&p-Xylenes	0.00075	U
541-73-1	1,3-Dichlorobenzene	0.00042	U	75-09-2	Methylene Chloride	0.00077	U
142-28-9	1,3-Dichloropropane	0.00051	U	1634-04-4	Methyl-t-butyl ether	0.00031	U
106-46-7	1,4-Dichlorobenzene	0.00033	U	104-51-8	n-Butylbenzene	0.00048	U
123-91-1	1,4-Dioxane	0.027	U	103-65-1	n-Propylbenzene	0.00034	U
78-93-3	2-Butanone	0.00090	U	95-47-6	o-Xylene	0.00054	U
110-75-8	2-Chloroethylvinylether	0.00086	U	135-98-8	sec-Butylbenzene	0.00047	U
591-78-6	2-Hexanone	0.00046	U	100-42-5	Styrene	0.00033	U
99-87-6	4-Isopropyltoluene	0.00049	U	75-65-0	t-Butyl Alcohol	0.0050	U
108-10-1	4-Methyl-2-Pentanone	0.00085	U	98-06-6	t-Butylbenzene	0.00025	U
67-64-1	Acetone	0.0040	U	127-18-4	Tetrachloroethene	0.00033	U
107-02-8	Acrolein	0.0029	U	108-88-3	Toluene	0.00040	U
107-13-1	Acrylonitrile	0.00092	U	156-60-5	trans-1,2-Dichloroethene	0.00081	U
71-43-2	Benzene	0.00037	U	10061-02-6	trans-1,3-Dichloropropene	0.00061	U
75-27-4	Bromodichloromethane	0.00043	U	79-01-6	Trichloroethene	0.00045	U
75-25-2	Bromoform	0.00029	U	75-69-4	Trichlorofluoromethane	0.00086	U
74-83-9	Bromomethane	0.00097	U	75-01-4	Vinyl Chloride	0.00085	U
75-15-0	Carbon Disulfide	0.00030	U				

Worksheet #: 182506

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT/LSC Reviewed)

SampleID : DAILY BLANK
Data File: 3M85897.D
Acq On : 12/30/10 07:28

Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML

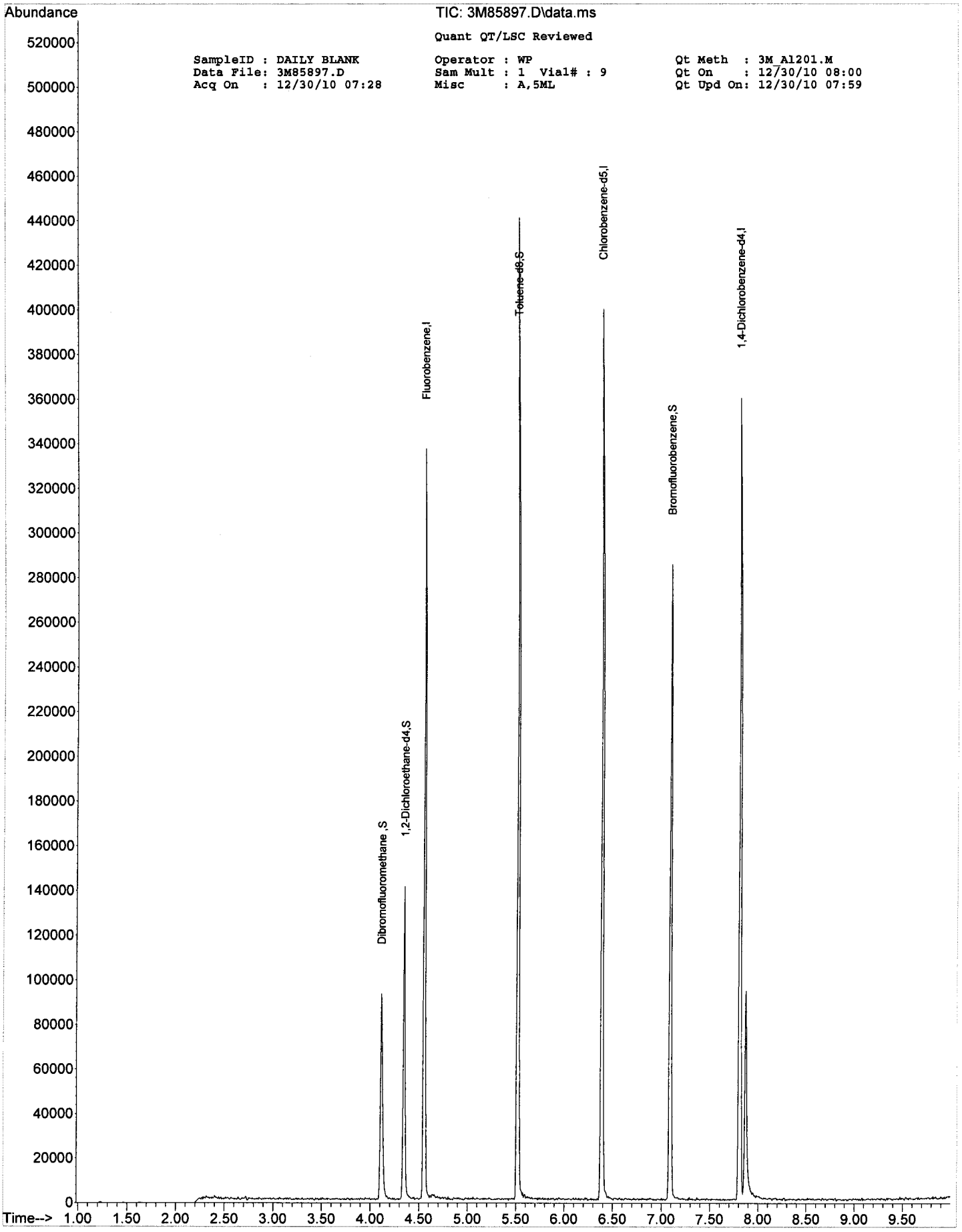
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 08:00
Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.555	96	162310	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.389	117	144595	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	77751	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	43480	30.84	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.80%			
35) 1,2-Dichloroethane-d4	4.344	102	10294	32.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.77%			
59) Toluene-d8	5.517	100	114814	28.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.07%			
67) Bromofluorobenzene	7.092	174	67952	30.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.37%			

Target Compounds Qvalue

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


Abundance
TIC: 3M85897.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 3M85897.D
Acq On : 12/30/10 07:28
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 08:00
Qt Upd On: 12/30/10 07:59
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-SPLP FL-1014(1229
Client Id:
Data File: 3M85901.D
Analysis Date: 12/30/10 08:34
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.00048	U	56-23-5	Carbon Tetrachloride	0.00067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00034	U	108-90-7	Chlorobenzene	0.00067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.00082	U	75-00-3	Chloroethane	0.00076	U
79-00-5	1,1,2-Trichloroethane	0.00055	U	67-66-3	Chloroform	0.00036	U
75-34-3	1,1-Dichloroethane	0.00033	U	74-87-3	Chloromethane	0.00045	U
75-35-4	1,1-Dichloroethene	0.00058	U	156-59-2	cis-1,2-Dichloroethene	0.00029	U
96-18-4	1,2,3-Trichloropropane	0.00091	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	U
95-63-6	1,2,4-Trimethylbenzene	0.00024	U	124-48-1	Dibromochloromethane	0.00055	U
95-50-1	1,2-Dichlorobenzene	0.00077	U	75-71-8	Dichlorodifluoromethane	0.00051	U
107-06-2	1,2-Dichloroethane	0.00043	U	100-41-4	Ethylbenzene	0.00065	U
78-87-5	1,2-Dichloropropane	0.00037	U	98-82-8	Isopropylbenzene	0.00042	U
108-67-8	1,3,5-Trimethylbenzene	0.00058	U	136777612	m&p-Xylenes	0.00075	U
541-73-1	1,3-Dichlorobenzene	0.00042	U	**75-09-2**	**Methylene Chloride**	**0.00077**	**0.028**
142-28-9	1,3-Dichloropropane	0.00051	U	1634-04-4	Methyl-t-butyl ether	0.00031	U
106-46-7	1,4-Dichlorobenzene	0.00033	U	104-51-8	n-Butylbenzene	0.00048	U
123-91-1	1,4-Dioxane	0.027	U	103-65-1	n-Propylbenzene	0.00034	U
78-93-3	2-Butanone	0.00090	U	95-47-6	o-Xylene	0.00054	U
110-75-8	2-Chloroethylvinylether	0.00086	U	135-98-8	sec-Butylbenzene	0.00047	U
591-78-6	2-Hexanone	0.00046	U	100-42-5	Styrene	0.00033	U
99-87-6	4-Isopropyltoluene	0.00049	U	75-65-0	t-Butyl Alcohol	0.0050	U
108-10-1	4-Methyl-2-Pentanone	0.00085	U	98-06-6	t-Butylbenzene	0.00025	U
67-64-1	**Acetone**	**0.0040**	**0.029**	127-18-4	Tetrachloroethene	0.00033	U
107-02-8	Acrolein	0.0029	U	108-88-3	Toluene	0.00040	U
107-13-1	Acrylonitrile	0.00092	U	156-60-5	trans-1,2-Dichloroethene	0.00081	U
71-43-2	Benzene	0.00037	U	10061-02-6	trans-1,3-Dichloropropene	0.00061	U
75-27-4	Bromodichloromethane	0.00043	U	79-01-6	Trichloroethene	0.00045	U
75-25-2	Bromoform	0.00029	U	75-69-4	Trichlorofluoromethane	0.00086	U
74-83-9	Bromomethane	0.00097	U	75-01-4	Vinyl Chloride	0.00085	U
75-15-0	Carbon Disulfide	0.00030	U				

Worksheet #: 182506

Total Target Concentration 0.057

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

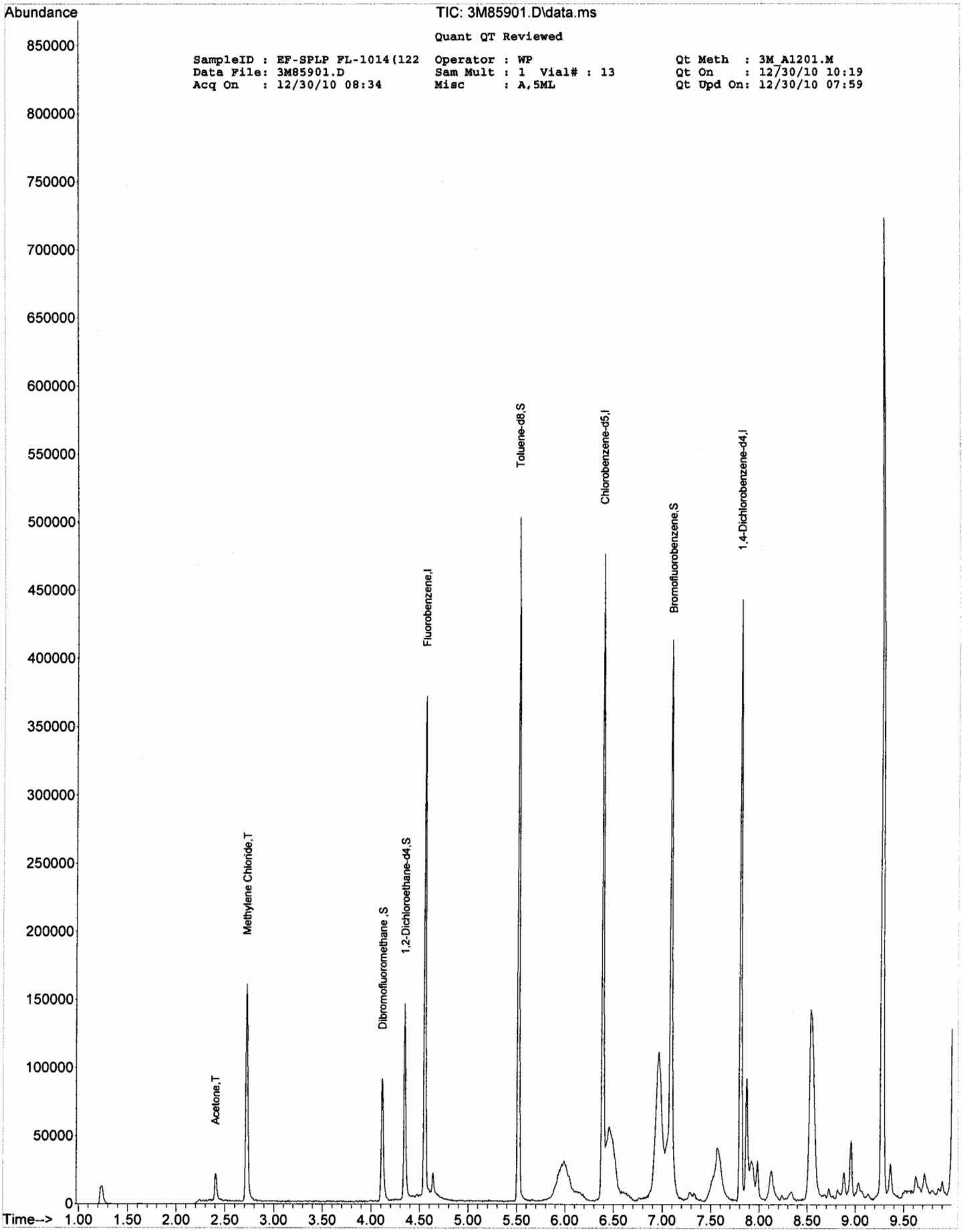
Quantitation Report (QT Reviewed)

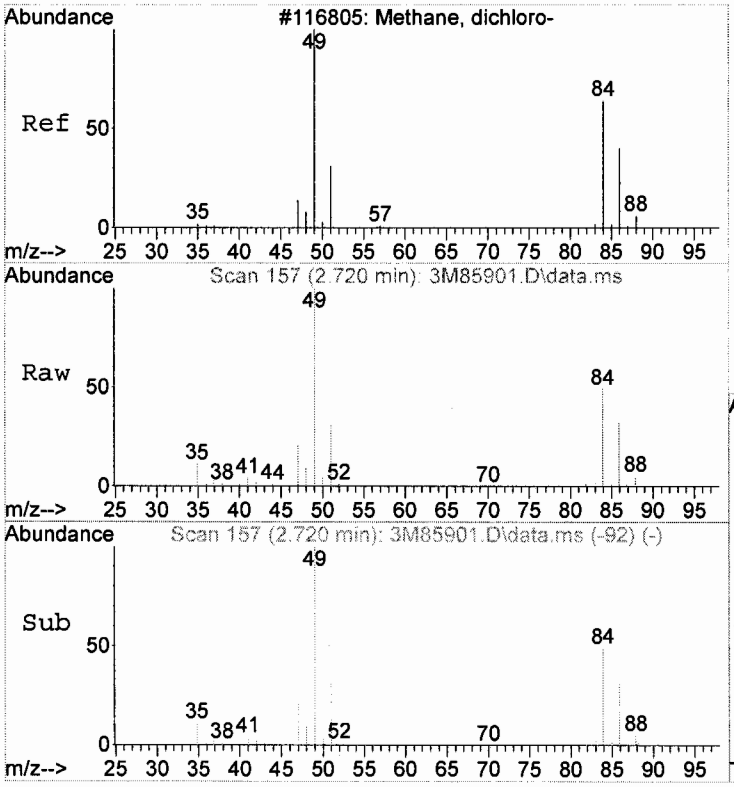
SampleID : EF-SPLP FL-1014(122 Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85901.D Sam Mult : 1 Vial# : 13 Qt On : 12/30/10 10:19
Acq On : 12/30/10 08:34 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.555	96	182499	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.389	117	168998	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	96979	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.116	111	44818	28.27	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.23%		
35) 1,2-Dichloroethane-d4	4.344	102	10371	28.70	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.67%		
59) Toluene-d8	5.517	100	127923	26.90	ug/l	0.00
Spiked Amount 30.000			Recovery =	89.67%		
67) Bromofluorobenzene	7.092	174	87489	31.39	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.63%		
Target Compounds						Qvalue
13) Methylene Chloride	2.720	84	43269	27.63	ug/l	98
17) Acetone	2.402	43	22797	28.70	ug/l	97

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

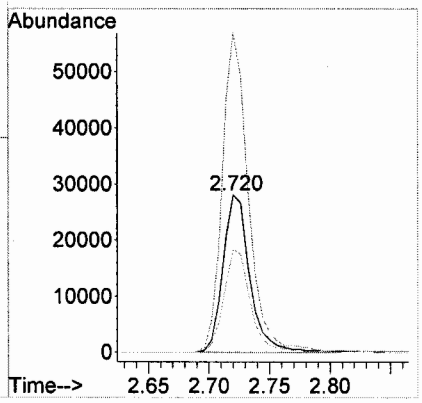

Abundance
TIC: 3M85901.D\data.ms
Quant QT Reviewed
SampleID : EF-SPLP FL-1014(122
Data File: 3M85901.D
Acq On : 12/30/10 08:34
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 10:19
Qt Upd On: 12/30/10 07:59
Acetone,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

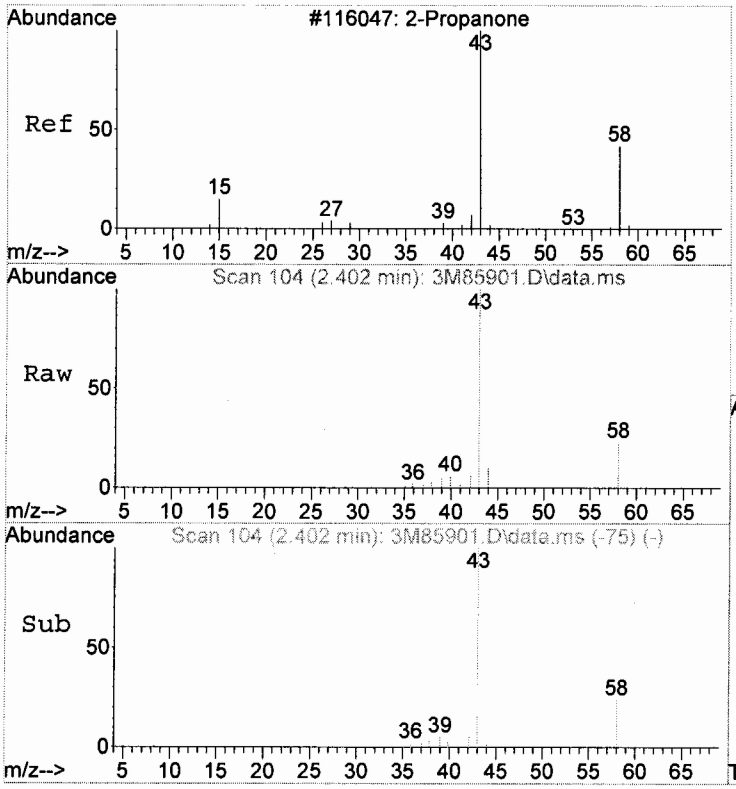


#13
Methylene Chloride
Concen: 27.63 ug/l
RT: 2.720 min Scan# 157
Delta R.T. -0.007 min
Lab File: 3M85901.D
Acq: 30 Dec 2010 8:34

Tgt Ion: 84 Resp: 43269

Ion	Ratio	Lower	Upper
84	100		
49	202.9	102.1	306.1
86	65.4	41.7	97.3

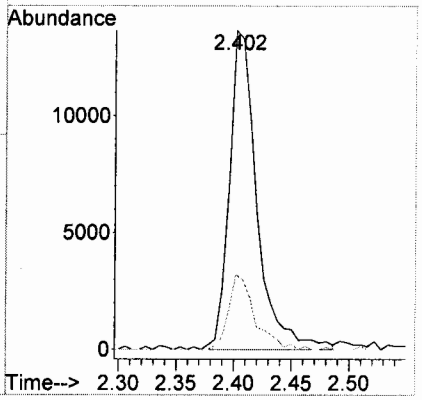




#17
Acetone
Concen: 28.70 ug/l
RT: 2.402 min Scan# 104
Delta R.T. -0.013 min
Lab File: 3M85901.D
Acq: 30 Dec 2010 8:34

Tgt Ion: 43 Resp: 22797

Ion	Ratio	Lower	Upper
43	100		
58	23.4	0.0	64.8



Form3
Recovery Data
QC Batch: MBS5380

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85902.D	MBS5380	12/30/2010 8:51:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	9.22	0	20	46	21	137
1,1-Dichloroethene	1	18.92	0	20	95	21	133
1,1-Dichloroethane	1	16.21	0	20	81	44	134
Chloroform	1	16.93	0	20	85	40	148
1,2-Dichloroethane	1	16.24	0	20	81	43	144
2-Butanone	1	14.29	0	20	71	25	157
Carbon Tetrachloride	1	17.77	0	20	89	42	146
Trichloroethene	1	19.23	0	20	96	46	127
Benzene	1	17.74	0	20	89	49	135
Tetrachloroethene	1	19.6	0	20	98	42	138
Toluene	1	17.67	0	20	88	53	129
Chlorobenzene	1	18.69	0	20	93	51	129
1,4-Dichlorobenzene	1	18.68	0	20	93	45	128
1,2-Dichlorobenzene	1	17.58	0	20	88	50	126
n-Propylbenzene	1	20.32	0	20	102	45	135
sec-Butylbenzene	1	19.23	0	20	96	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 3M85902.D
Acq On : 12/30/10 08:51

Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML

Qt Meth : 3M_A1201.M
Qt On : 12/30/10 10:19
Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	183563	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.390	117	163525	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	98352	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	45458	28.51	ug/l	-0.01
Spiked Amount 30.000			Recovery = 95.03%			
35) 1,2-Dichloroethane-d4	4.345	102	10852	29.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.53%			
59) Toluene-d8	5.518	100	132809	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.20%			
67) Bromofluorobenzene	7.093	174	87273	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	1.248	85	12970	7.28	ug/l	96
7) Chloromethane	1.381	50	21196	15.67	ug/l	87
8) Bromomethane	1.697	94	6342	13.28	ug/l	87
9) Vinyl Chloride	1.464	62	9612	9.22	ug/l	94
10) Chloroethane	1.780	66	1559	9.74	ug/l	96
11) Trichlorofluoromethane	1.963	101	12792	14.26	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.337	101	12740	26.99	ug/l	88
13) Methylene Chloride	2.721	84	23825	15.13	ug/l	93
14) Acrolein	2.282	56	8632	56.52	ug/l	93
15) Acrylonitrile	2.926	53	11949	15.35	ug/l	92
16) Iodomethane	2.469	142	28947	14.25	ug/l	96
17) Acetone	2.403	43	50985	63.81	ug/l	97
18) Carbon Disulfide	2.523	76	63555	14.28	ug/l	100
19) t-Butyl Alcohol	2.824	59	5102	63.84	ug/l	93
20) n-Hexane	3.136	57	15185	14.54	ug/l	81
21) Di-isopropyl-ether	3.323	45	103843	16.87	ug/l	77
22) 1,1-Dichloroethene	2.349	61	34569	18.92	ug/l	84
23) Methyl Acetate	2.649	43	39016	17.81	ug/l	100
24) Methyl-t-butyl ether	2.938	73	27389	14.62	ug/l	60
25) 1,1-Dichloroethane	3.281	63	47949	16.21	ug/l	96
26) trans-1,2-Dichloroethene	2.932	96	18853	16.12	ug/l	90
27) cis-1,2-Dichloroethene	3.762	61	43077	15.30	ug/l	87
28) Bromochloromethane	3.942	49	33105	15.76	ug/l	89
29) 2,2-Dichloropropane	3.756	77	18530	17.12	ug/l	90
30) 1,4-Dioxane	5.000	88	15143	843.24	ug/l	74
31) 1,1-Dichloropropene	4.237	75	38881	19.29	ug/l	96
32) Chloroform	3.996	83	44153	16.93	ug/l	96
34) Cyclohexane	4.165	56	37145	17.68	ug/l	77
36) 1,2-Dichloroethane	4.393	62	46927	16.24	ug/l	100
37) 2-Butanone	3.780	43	20990m	14.29	ug/l	
38) 1,1,1-Trichloroethane	4.129	97	28477	16.50	ug/l	99
39) Carbon Tetrachloride	4.243	117	26048	17.77	ug/l	87
40) Vinyl Acetate	3.317	43	91040	11.56	ug/l	100
41) Bromodichloromethane	5.085	83	39734	17.27	ug/l	91
42) Methylcyclohexane	4.892	83	24718	19.35	ug/l	85
43) Dibromomethane	5.000	174	27368	19.43	ug/l	88
44) 1,2-Dichloropropane	4.922	63	39957	17.86	ug/l	96
45) Trichloroethene	4.778	130	29191	19.23	ug/l	92
46) Benzene	4.381	78	113788	17.74	ug/l	100
47) tert-Amyl methyl ether	4.441	73	31824	16.49	ug/l	48
49) Dibromochloromethane	6.041	129	32300	16.12	ug/l	98
50) 2-Chloroethylvinylether	5.253	63	24427	13.44	ug/l	81
51) cis-1,3-Dichloropropene	5.355	75	41474	12.31	ug/l	94
52) trans-1,3-Dichloropropene	5.680	75	32038	10.47	ug/l	97
53) 1,1,2-Trichloroethane	5.800	97	32161	16.91	ug/l	96
54) 1,2-Dibromoethane	6.119	107	35135	16.65	ug/l	95
55) 1,3-Dichloropropane	5.902	76	63121	17.38	ug/l	92
56) 4-Methyl-2-Pentanone	5.439	43	52154	12.75	ug/l	94
57) 2-Hexanone	5.933	43	39153	13.38	ug/l	89
58) Tetrachloroethene	5.890	164	28456	19.60	ug/l	96
60) Toluene	5.560	92	76187	17.67	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.450	133	30123	19.67	ug/l	94
62) Chlorobenzene	6.408	112	91991	18.69	ug/l	97
64) Bromoform	6.913	173	23656	20.19	ug/l	98
65) Ethylbenzene	6.456	106	37224	21.50	ug/l	84
66) 1,1,2,2-Tetrachloroethane	7.159	83	52223	17.73	ug/l	84
68) Styrene	6.774	104	92922	22.23	ug/l	92
69) m&p-Xylenes	6.522	106	105078	41.14	ug/l	97
70) o-Xylene	6.768	106	53916	23.01	ug/l	84

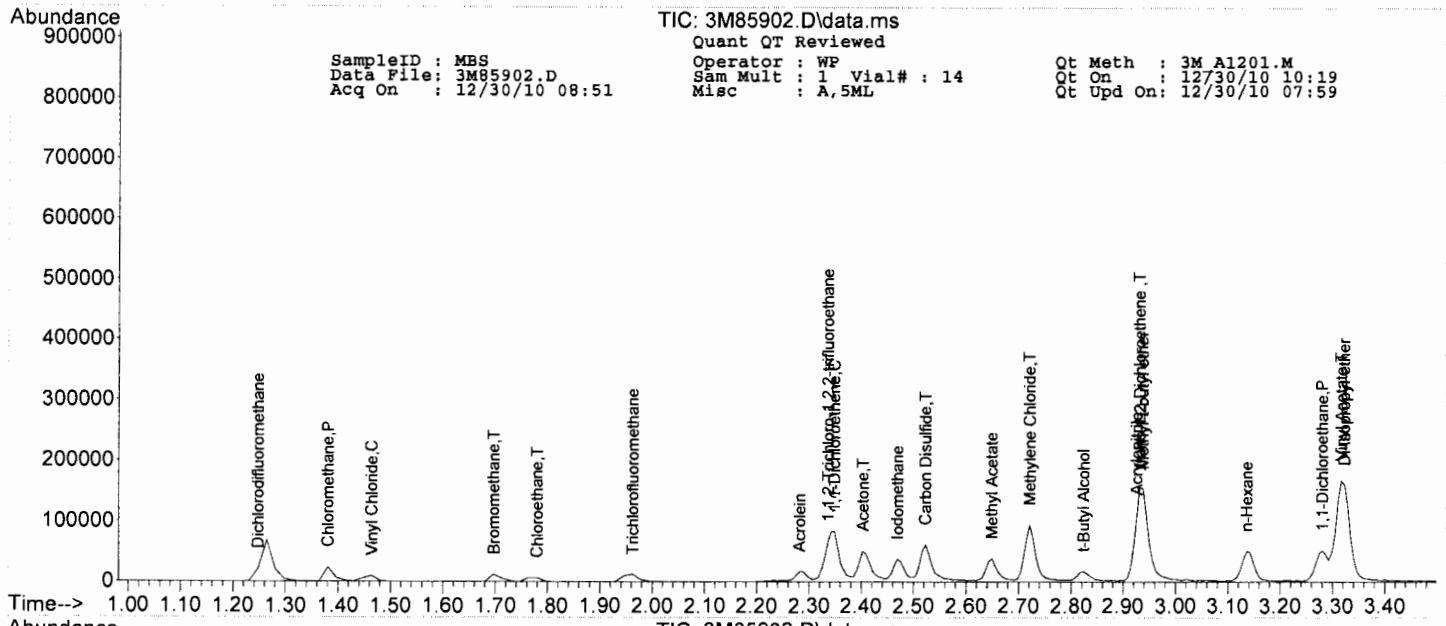
Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 3M85902.D
Acq On : 12/30/10 08:51
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 10:19
Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.189	53	17655	14.15 ug/l	68
72) 1,3-Dichlorobenzene	7.773	146	73827	19.43 ug/l	97
73) 1,4-Dichlorobenzene	7.827	146	75540	18.68 ug/l	94
74) 1,2-Dichlorobenzene	8.067	146	71069	17.58 ug/l	98
75) Isopropylbenzene	6.979	105	122935	22.19 ug/l	94
76) Cyclohexanone	7.346	55	21575	179.97 ug/l	61
78) 1,2,3-Trichloropropane	7.195	75	54557	17.19 ug/l	90
79) 2-Chlorotoluene	7.304	91	89596	19.29 ug/l	96
80) p-Ethyltoluene	7.298	105	90880	14.86 ug/l	98
81) 4-Chlorotoluene	7.370	91	86446	18.72 ug/l	97
82) n-Propylbenzene	7.231	91	156148	20.32 ug/l	99
83) Bromobenzene	7.195	77	94761	18.88 ug/l	90
84) 1,3,5-Trimethylbenzene	7.328	105	99743	20.07 ug/l	96
85) t-Butylbenzene	7.538	119	87659	20.84 ug/l	96
86) 1,2,4-Trimethylbenzene	7.568	105	108505	20.16 ug/l	91
87) sec-Butylbenzene	7.676	105	104347	19.23 ug/l	97
88) 4-Isopropyltoluene	7.755	119	82658	21.55 ug/l	99
89) n-Butylbenzene	8.013	91	94264	19.26 ug/l	96
90) p-Diethylbenzene	7.995	119	38277	15.76 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.500	119	55589	12.32 ug/l	99
93) Camphor	9.041	95	888	3.50 ug/l	92
94) Hexachlorobutadiene	9.192	225	17693	18.69 ug/l	98
95) 1,2,4-Trichlorobenzene	9.102	180	45354	20.16 ug/l	99
96) 1,2,3-Trichlorobenzene	9.432	180	42874	18.11 ug/l	97
97) Naphthalene	9.276	128	170667	24.77 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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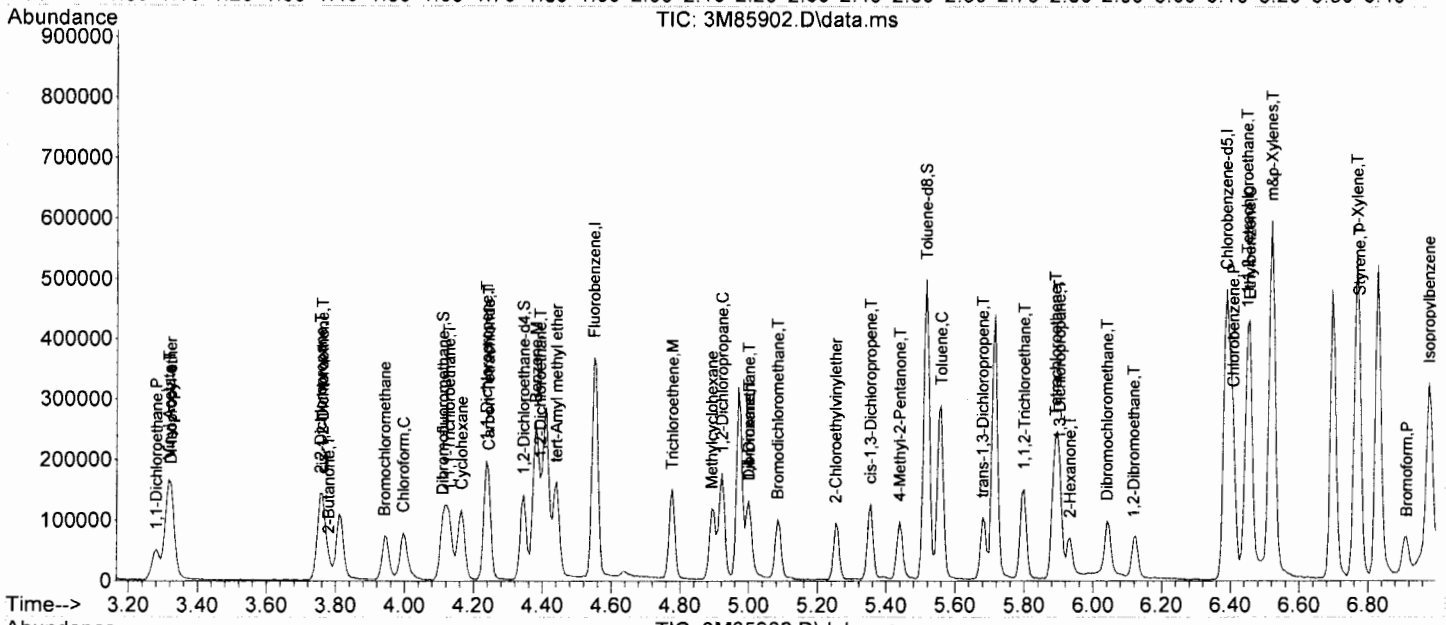
Quant QT Reviewed
SampleID : MBS
Data File: 3M85902.D
Acq On : 12/30/10 08:51
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 10:19
Qt Upd On: 12/30/10 07:59
Abundance
Time-->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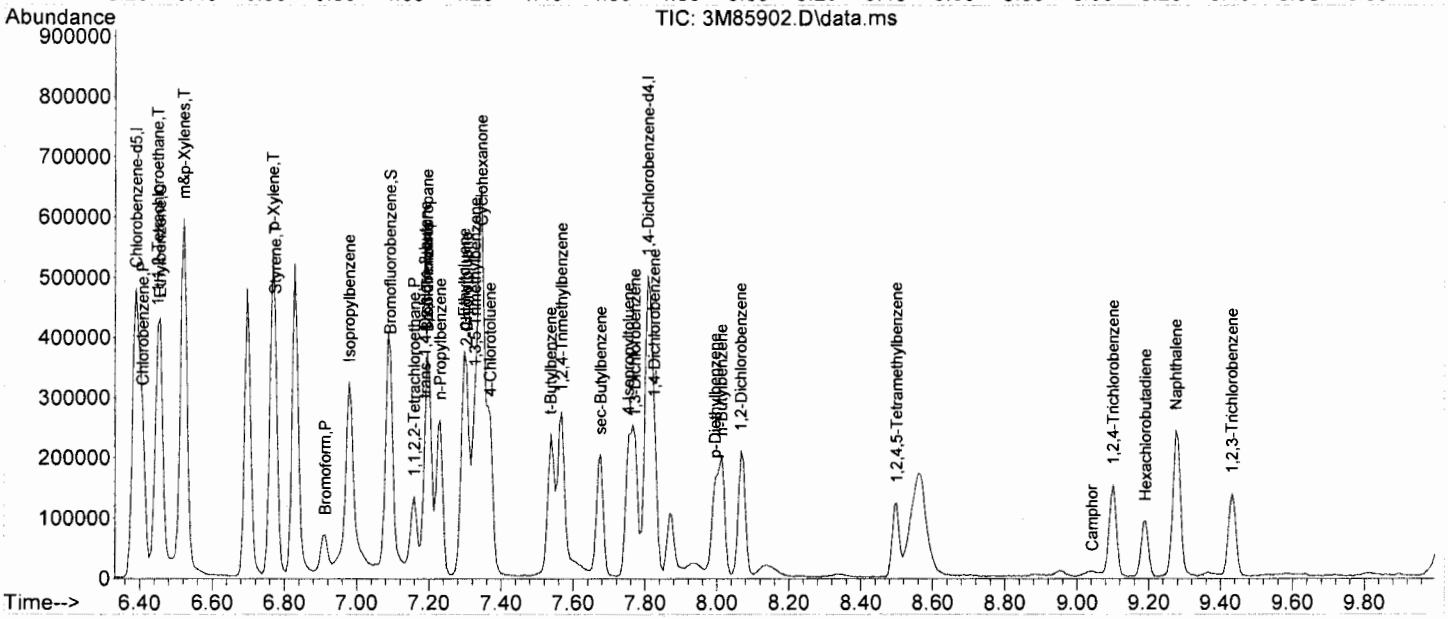
Abundance
Time-->


TIC: 3M85902.D\data.ms
Abundance
Time-->

Form3
Recovery Data
QC Batch: MBS5385

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85925.D	MBS5385	12/30/2010 3:16:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	10.82	0	20	54	21	137
1,1-Dichloroethene	1	19.22	0	20	96	21	133
1,1-Dichloroethane	1	15.32	0	20	77	44	134
Chloroform	1	16.65	0	20	83	40	148
1,2-Dichloroethane	1	15.58	0	20	78	43	144
2-Butanone	1	12.19	0	20	61	25	157
Carbon Tetrachloride	1	17.92	0	20	90	42	146
Trichloroethene	1	20.43	0	20	102	46	127
Benzene	1	17.24	0	20	86	49	135
Tetrachloroethene	1	19.82	0	20	99	42	138
Toluene	1	17.85	0	20	89	53	129
Chlorobenzene	1	18.4	0	20	92	51	129
1,4-Dichlorobenzene	1	18.12	0	20	91	45	128
1,2-Dichlorobenzene	1	17.43	0	20	87	50	126
n-Propylbenzene	1	19.32	0	20	97	45	135
sec-Butylbenzene	1	17.85	0	20	89	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M85925.D
Acq On : 12/30/10 15:16
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 15:54
Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.556	96	184292	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.390	117	161343	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	96372	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.117	111	47105	29.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.07%			
35) 1,2-Dichloroethane-d4	4.351	102	10611	29.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.93%			
59) Toluene-d8	5.518	100	134948	29.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.07%			
67) Bromofluorobenzene	7.093	174	83215	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.263	51	71878	20.62	ug/l	74
6) Dichlorodifluoromethane	1.247	85	10383	5.80	ug/l	93
7) Chloromethane	1.380	50	21405	15.76	ug/l	88
8) Bromomethane	1.696	94	5238	10.93	ug/l	92
9) Vinyl Chloride	1.463	62	11326	10.82	ug/l	99
10) Chloroethane	1.779	66	2109	13.12	ug/l	73
11) Trichlorofluoromethane	1.962	101	13626	15.13	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.337	101	13554	28.60	ug/l	90
13) Methylene Chloride	2.722	84	24174	15.29	ug/l	98
14) Acrolein	2.289	56	9480	61.83	ug/l	99
15) Acrylonitrile	2.932	53	11135	14.25	ug/l	86
16) Iodomethane	2.475	142	29646	14.53	ug/l	94
17) Acetone	2.409	43	50068	62.42	ug/l	95
18) Carbon Disulfide	2.523	76	65684	14.70	ug/l	100
19) t-Butyl Alcohol	2.830	59	4812	59.97	ug/l	75
20) n-Hexane	3.143	57	13958	13.32	ug/l	82
21) Di-isopropyl-ether	3.323	45	93739	15.17	ug/l	79
22) 1,1-Dichloroethene	2.349	61	35170	19.22	ug/l	82
23) Methyl Acetate	2.650	43	37378	16.99	ug/l	100
24) Methyl-t-butyl ether	2.938	73	25529	13.58	ug/l	52
25) 1,1-Dichloroethane	3.281	63	45486	15.32	ug/l	93
26) trans-1,2-Dichloroethene	2.938	96	19342	16.48	ug/l	94
27) cis-1,2-Dichloroethene	3.762	61	41313	14.61	ug/l	85
28) Bromochloromethane	3.948	49	32844	15.58	ug/l	95
29) 2,2-Dichloropropane	3.762	77	15273	14.05	ug/l	92
30) 1,4-Dioxane	5.007	88	15850	879.11	ug/l	62
31) 1,1-Dichloropropene	4.243	75	37250	18.41	ug/l	100
32) Chloroform	4.003	83	43613	16.65	ug/l	96
34) Cyclohexane	4.165	56	33128	15.71	ug/l	83
36) 1,2-Dichloroethane	4.399	62	45193	15.58	ug/l	98
37) 2-Butanone	3.780	43	17973	12.19	ug/l	77
38) 1,1,1-Trichloroethane	4.129	97	27626	15.94	ug/l	98
39) Carbon Tetrachloride	4.243	117	26384	17.92	ug/l	89
40) Vinyl Acetate	3.323	43	75236	9.52	ug/l	100
41) Bromodichloromethane	5.091	83	40477	17.52	ug/l	96
42) Methylcyclohexane	4.899	83	22819	17.79	ug/l	85
43) Dibromomethane	5.001	174	26823	18.97	ug/l	92
44) 1,2-Dichloropropane	4.923	63	39499	17.59	ug/l	98
45) Trichloroethene	4.778	130	31144	20.43	ug/l	93
46) Benzene	4.381	78	111059	17.24	ug/l	100
47) tert-Amyl methyl ether	4.442	73	31292	16.15	ug/l	51
49) Dibromochloromethane	6.047	129	31697	16.03	ug/l	95
50) 2-Chloroethylvinylether	5.259	63	20312	11.33	ug/l	88
51) cis-1,3-Dichloropropene	5.356	75	39050	11.75	ug/l	96
52) trans-1,3-Dichloropropene	5.686	75	31410	10.40	ug/l	98
53) 1,1,2-Trichloroethane	5.801	97	32714	17.44	ug/l	92
54) 1,2-Dibromoethane	6.125	107	33831	16.25	ug/l	88
55) 1,3-Dichloropropane	5.903	76	58308	16.27	ug/l	90
56) 4-Methyl-2-Pentanone	5.440	43	47360	11.73	ug/l	98
57) 2-Hexanone	5.933	43	34358	11.90	ug/l	92
58) Tetrachloroethene	5.891	164	28400	19.82	ug/l	99
60) Toluene	5.560	92	75961	17.85	ug/l	96
61) 1,1,1,2-Tetrachloroethane	6.450	133	28964	19.17	ug/l	91
62) Chlorobenzene	6.408	112	89349	18.40	ug/l	99
64) Bromoform	6.913	173	23192	20.20	ug/l	95
65) Ethylbenzene	6.456	106	34624	20.41	ug/l	85
66) 1,1,2,2-Tetrachloroethane	7.160	83	46707	16.18	ug/l	91
68) Styrene	6.775	104	87761	21.42	ug/l	97
69) m&p-Xylenes	6.522	106	101097	40.39	ug/l	98

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M85925.D
Acq On : 12/30/10 15:16

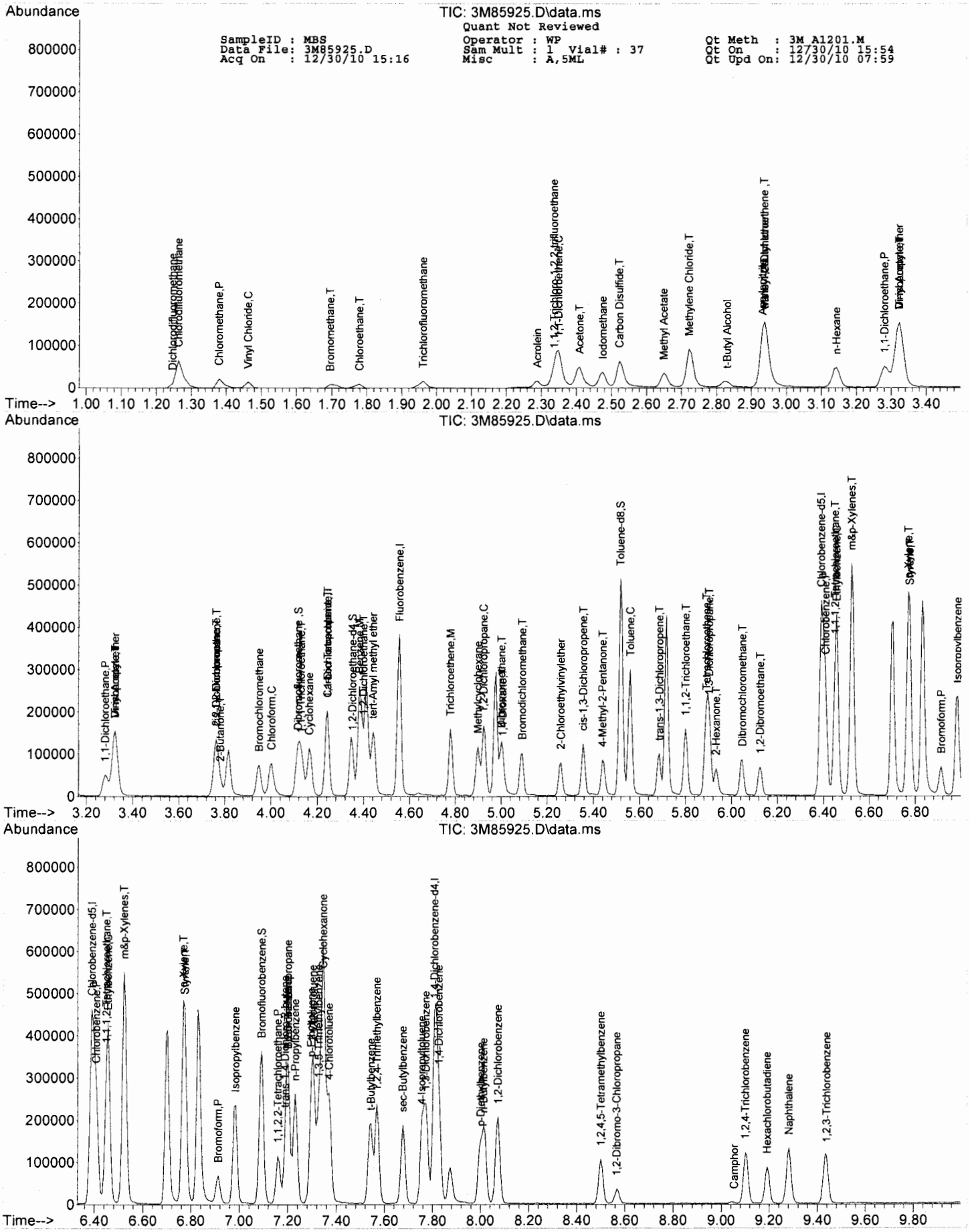
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : A,5ML

Qt Meth : 3M_A1201.M
Qt On : 12/30/10 15:54
Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.769	106	50404	21.95 ug/l	91
71) trans-1,4-Dichloro-2-b...	7.190	53	17025	13.92 ug/l	62
72) 1,3-Dichlorobenzene	7.773	146	71163	19.12 ug/l	97
73) 1,4-Dichlorobenzene	7.827	146	71783	18.12 ug/l	94
74) 1,2-Dichlorobenzene	8.074	146	69058	17.43 ug/l	99
75) Isopropylbenzene	6.985	105	110422	20.34 ug/l	100
76) Cyclohexanone	7.346	55	18795	160.00 ug/l	62
78) 1,2,3-Trichloropropane	7.202	75	50272	16.17 ug/l	93
79) 2-Chlorotoluene	7.304	91	84522	18.57 ug/l	97
80) p-Ethyltoluene	7.298	105	90631	15.13 ug/l	91
81) 4-Chlorotoluene	7.370	91	85343	18.87 ug/l	97
82) n-Propylbenzene	7.232	91	145449	19.32 ug/l	99
83) Bromobenzene	7.202	77	90625	18.43 ug/l	90
84) 1,3,5-Trimethylbenzene	7.328	105	90441	18.58 ug/l	89
85) t-Butylbenzene	7.544	119	79533	19.30 ug/l	97
86) 1,2,4-Trimethylbenzene	7.568	105	101388	19.22 ug/l	88
87) sec-Butylbenzene	7.677	105	94932	17.85 ug/l	96
88) 4-Isopropyltoluene	7.755	119	75124	19.99 ug/l	98
89) n-Butylbenzene	8.013	91	88980	18.56 ug/l	95
90) p-Diethylbenzene	8.001	119	32895	13.82 ug/l	96
91) 1,2,4,5-Tetramethylben...	8.501	119	46805	10.58 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.567	157	7475	10.49 ug/l	89
93) Camphor	9.054	95	805	3.24 ug/l	88
94) Hexachlorobutadiene	9.192	225	15991	17.24 ug/l	98
95) 1,2,4-Trichlorobenzene	9.102	180	36274	16.45 ug/l	98
96) 1,2,3-Trichlorobenzene	9.439	180	36431	15.71 ug/l	97
97) Naphthalene	9.282	128	87992	13.03 ug/l	100

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


Abundance
TIC: 3M85925.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 3M85925.D
Acq On : 12/30/10 15:16
Operator : WP
Sam Mult : 1 Vial# : 37
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12730/10 15:54
Qt Upd On: 12/30/10 07:59
Time-->

Form3
Recovery Data
QC Batch: MBS5385

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85934.D	AC56495-002(T:MS)	12/30/2010 5:45:00 PM
Non Spike(If applicable):	3M85900.D	AC56495-002(T)	12/30/2010 8:18:00 AM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.11	0	20	61	21	137
1,1-Dichloroethene	1	16.22	0	20	81	21	133
1,1-Dichloroethane	1	13.39	0	20	67	44	134
Chloroform	1	14.54	0	20	73	40	148
1,2-Dichloroethane	1	13.88	0	20	69	43	144
2-Butanone	1	10.99	0	20	55	25	157
Carbon Tetrachloride	1	14.94	0	20	75	42	146
Trichloroethene	1	19.24	0	20	96	46	127
Benzene	1	17.35	3.75	20	68	49	135
Tetrachloroethene	1	17.09	0	20	85	42	138
Toluene	1	23.25	12.58	20	53	53	129
Chlorobenzene	1	16.04	0	20	80	51	129
1,4-Dichlorobenzene	1	16.01	0	20	80	45	128
1,2-Dichlorobenzene	1	15.63	0	20	78	50	126
n-Propylbenzene	1	17.44	1.33	20	81	45	135
sec-Butylbenzene	1	16.1	0	20	80	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85935.D	AC56495-002(T:MSD)	12/30/2010 6:01:00 PM
Non Spike(If applicable):	3M85900.D	AC56495-002(T)	12/30/2010 8:18:00 AM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	11.37	0	20	57	21	137
1,1-Dichloroethene	1	15.11	0	20	76	21	133
1,1-Dichloroethane	1	13.36	0	20	67	44	134
Chloroform	1	14.3	0	20	72	40	148
1,2-Dichloroethane	1	14.07	0	20	70	43	144
2-Butanone	1	11.64	0	20	58	25	157
Carbon Tetrachloride	1	14.91	0	20	75	42	146
Trichloroethene	1	19.39	0	20	97	46	127
Benzene	1	16.95	3.75	20	66	49	135
Tetrachloroethene	1	16.39	0	20	82	42	138
Toluene	1	22.52	12.58	20	50*	53	129
Chlorobenzene	1	15.55	0	20	78	51	129
1,4-Dichlorobenzene	1	15.45	0	20	77	45	128
1,2-Dichlorobenzene	1	15.41	0	20	77	50	126
n-Propylbenzene	1	17.21	1.33	20	79	45	135
sec-Butylbenzene	1	16.46	0	20	82	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS5385

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M85935.D	AC56495-002(T:MSD)	12/30/2010 6:01:00 PM
Duplicate(If applicable):	3M85934.D	AC56495-002(T:MS)	12/30/2010 5:45:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	11.37	12.11	6.3	30
1,1-Dichloroethene	1	15.11	16.22	7.1	34
1,1-Dichloroethane	1	13.36	13.39	0.22	30
Chloroform	1	14.3	14.54	1.7	37
1,2-Dichloroethane	1	14.07	13.88	1.4	34
2-Butanone	1	11.64	10.99	5.7	47
Carbon Tetrachloride	1	14.91	14.94	0.2	32
Trichloroethene	1	19.39	19.24	0.78	30
Benzene	1	16.95	17.35	2.3	29
Tetrachloroethene	1	16.39	17.09	4.2	27
Toluene	1	22.52	23.25	3.2	33
Chlorobenzene	1	15.55	16.04	3.1	30
1,4-Dichlorobenzene	1	15.45	16.01	3.6	30
1,2-Dichlorobenzene	1	15.41	15.63	1.4	34
n-Propylbenzene	1	17.21	17.44	1.3	32
sec-Butylbenzene	1	16.46	16.1	2.2	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

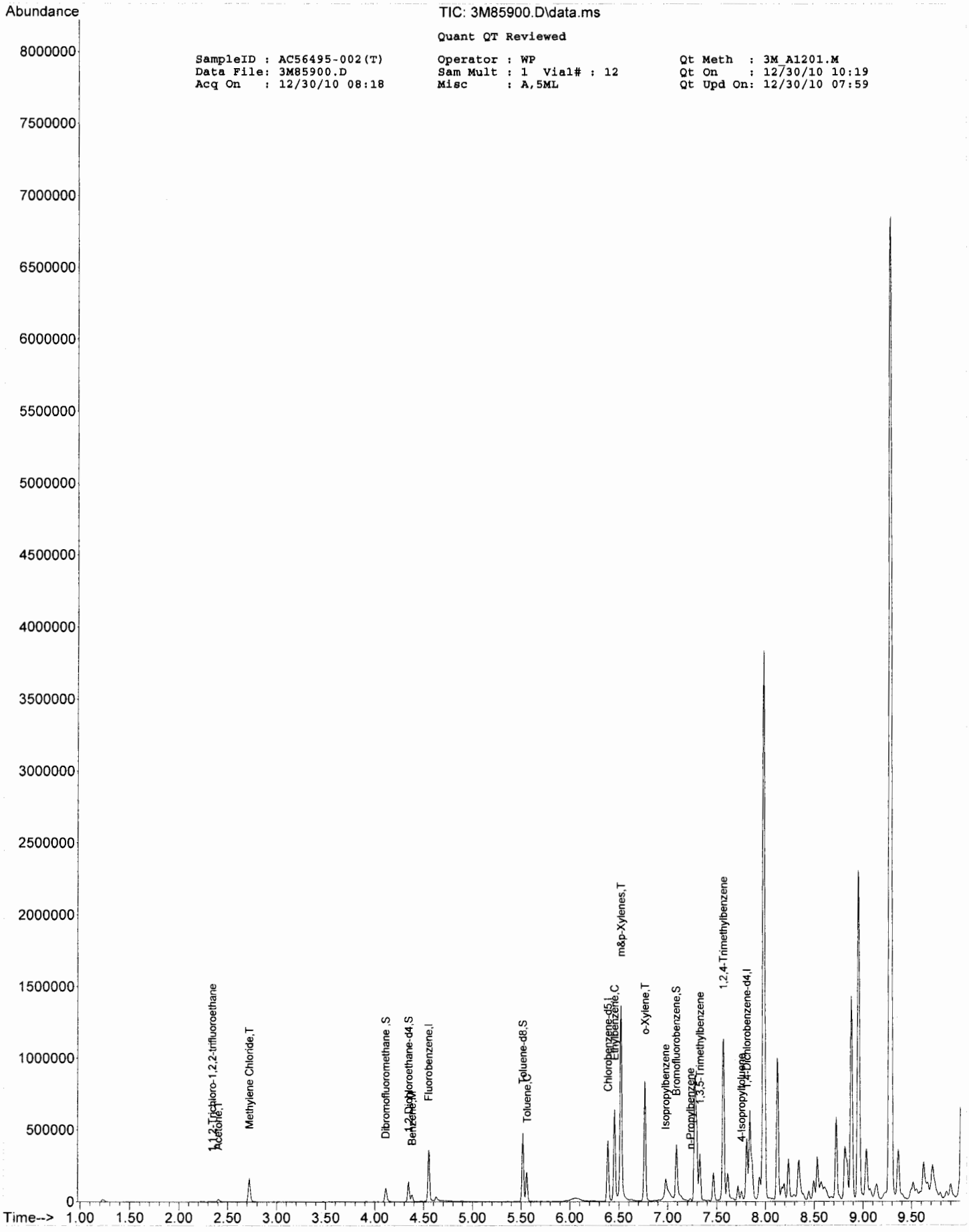
Quantitation Report (QT Reviewed)

SampleID : AC56495-002(T) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85900.D Sam Mult : 1 Vial# : 12 Qt On : 12/30/10 10:19
Acq On : 12/30/10 08:18 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	174380	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.390	117	159760	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	94793	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	42920	28.33	ug/l	-0.01
Spiked Amount 30.000			Recovery = 94.43%			
35) 1,2-Dichloroethane-d4	4.346	102	10374	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
59) Toluene-d8	5.518	100	122088	27.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.53%			
67) Bromofluorobenzene	7.088	174	82651	30.34	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.13%			
Target Compounds						Qvalue
12) 1,1,2-Trichloro-1,2,2-...	2.343	101	801	1.79	ug/l	95
13) Methylene Chloride	2.722	84	42484	28.39	ug/l	99
17) Acetone	2.403	43	17514	23.07	ug/l	99
46) Benzene	4.382	78	22869	3.75	ug/l	100
60) Toluene	5.560	92	52997	12.58	ug/l	92
65) Ethylbenzene	6.456	106	76800	46.02	ug/l	90
69) m&p-Xylenes	6.523	106	250117	101.59	ug/l	95
70) o-Xylene	6.769	106	158869	70.35	ug/l	89
75) Isopropylbenzene	6.980	105	41391	7.75	ug/l	78
82) n-Propylbenzene	7.232	91	9879	1.33	ug/l	97
84) 1,3,5-Trimethylbenzene	7.328	105	138529	28.93	ug/l	96
86) 1,2,4-Trimethylbenzene	7.569	105	500181	96.42	ug/l	84
88) 4-Isopropyltoluene	7.755	119	24169	6.54	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : AC56495-002(T)
Data File: 3M85900.D
Acq On : 12/30/10 08:18
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 12/30/10 10:19
Qt Upd On: 12/30/10 07:59
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1,1,2-Trichloro-1,2,2-trifluoroethane
Acetone,T
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I

Quantitation Report (Not Reviewed)

SampleID : AC56495-002(T:MS) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85934.D Sam Mult : 1 Vial# : 46 Qt On : 01/04/11 07:26
Acq On : 12/30/10 17:45 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.556	96	183965	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.390	117	158900	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	96026	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	46818	29.29	ug/l	-0.01
Spiked Amount 30.000			Recovery = 97.63%			
35) 1,2-Dichloroethane-d4	4.346	102	10807	29.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.90%			
59) Toluene-d8	5.518	100	128779	28.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.00%			
67) Bromofluorobenzene	7.094	174	82136	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	88956	25.57	ug/l	99
6) Dichlorodifluoromethane	1.258	85	10721	6.00	ug/l	91
7) Chloromethane	1.391	50	13677	10.09	ug/l	90
8) Bromomethane	1.707	94	4807	10.05	ug/l	93
9) Vinyl Chloride	1.458	62	12649	12.11	ug/l	95
10) Chloroethane	1.773	66	1686	10.51	ug/l	87
11) Trichlorofluoromethane	1.956	101	11135	12.39	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.337	101	11332	23.96	ug/l	93
13) Methylene Chloride	2.722	84	51594	32.69	ug/l	98
14) Acrolein	2.289	56	7276	47.54	ug/l	92
15) Acrylonitrile	2.933	53	9665	12.39	ug/l	93
16) Iodomethane	2.476	142	25018	12.29	ug/l	83
17) Acetone	2.409	43	56911	71.07	ug/l	94
18) Carbon Disulfide	2.524	76	56514	12.67	ug/l	100
19) t-Butyl Alcohol	2.818	59	4168	52.04	ug/l	69
20) n-Hexane	3.143	57	11370	10.87	ug/l	82
21) Di-isopropyl-ether	3.323	45	78294	12.69	ug/l	77
22) 1,1-Dichloroethene	2.349	61	30455	16.22	ug/l	84
23) Methyl Acetate	2.650	43	30599	13.94	ug/l	100
24) Methyl-t-butyl ether	2.939	73	21599	11.51	ug/l	52
25) 1,1-Dichloroethane	3.281	63	39669	13.39	ug/l	98
26) trans-1,2-Dichloroethene	2.939	96	16923	14.44	ug/l	88
27) cis-1,2-Dichloroethene	3.762	61	36511	12.94	ug/l	84
28) Bromochloromethane	3.943	49	28146	13.37	ug/l	87
29) 2,2-Dichloropropane	3.762	77	13868	12.78	ug/l	94
30) 1,4-Dioxane	5.007	88	12769	709.49	ug/l	70
31) 1,1-Dichloropropene	4.237	75	30716	15.21	ug/l	99
32) Chloroform	3.997	83	38010	14.54	ug/l	97
34) Cyclohexane	4.165	56	28033	13.32	ug/l	79
36) 1,2-Dichloroethane	4.394	62	40196	13.88	ug/l	99
37) 2-Butanone	3.780	43	16182	10.99	ug/l	80
38) 1,1,1-Trichloroethane	4.129	97	23655	13.67	ug/l	95
39) Carbon Tetrachloride	4.243	117	21946	14.94	ug/l	86
40) Vinyl Acetate	3.323	43	46294	5.87	ug/l	100
41) Bromodichloromethane	5.085	83	35198	15.26	ug/l	100
42) Methylcyclohexane	4.899	83	19012	14.85	ug/l	85
43) Dibromomethane	5.001	174	23113	16.38	ug/l	96
44) 1,2-Dichloropropane	4.923	63	34600	15.43	ug/l	98
45) Trichloroethene	4.779	130	29283	19.24	ug/l	94
46) Benzene	4.382	78	111572	17.35	ug/l	100
47) tert-Amyl methyl ether	4.442	73	25714	13.30	ug/l	36
49) Dibromochloromethane	6.047	129	28208	14.49	ug/l	89
50) 2-Chloroethylvinylether	5.260	63	17156	9.72	ug/l	87
51) cis-1,3-Dichloropropene	5.356	75	34240	10.46	ug/l	93
52) trans-1,3-Dichloropropene	5.681	75	27164	9.13	ug/l	98
53) 1,1,2-Trichloroethane	5.801	97	27510	14.89	ug/l	92
54) 1,2-Dibromoethane	6.126	107	29917	14.59	ug/l	95
55) 1,3-Dichloropropane	5.903	76	51512	14.59	ug/l	92
56) 4-Methyl-2-Pentanone	5.440	43	39210	9.86	ug/l	93
57) 2-Hexanone	5.933	43	29887	10.51	ug/l	90
58) Tetrachloroethene	5.891	164	24115	17.09	ug/l	87
60) Toluene	5.560	92	97437	23.25	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.450	133	24303	16.33	ug/l	94
62) Chlorobenzene	6.408	112	76704	16.04	ug/l	96
64) Bromoform	6.913	173	20015	18.56	ug/l	97
65) Ethylbenzene	6.456	106	78528	46.45	ug/l	92
66) 1,1,2,2-Tetrachloroethane	7.160	83	34198	11.89	ug/l	87
68) Styrene	6.775	104	83076	20.35	ug/l	99
69) m&p-Xylenes	6.522	106	227984	91.41	ug/l	100

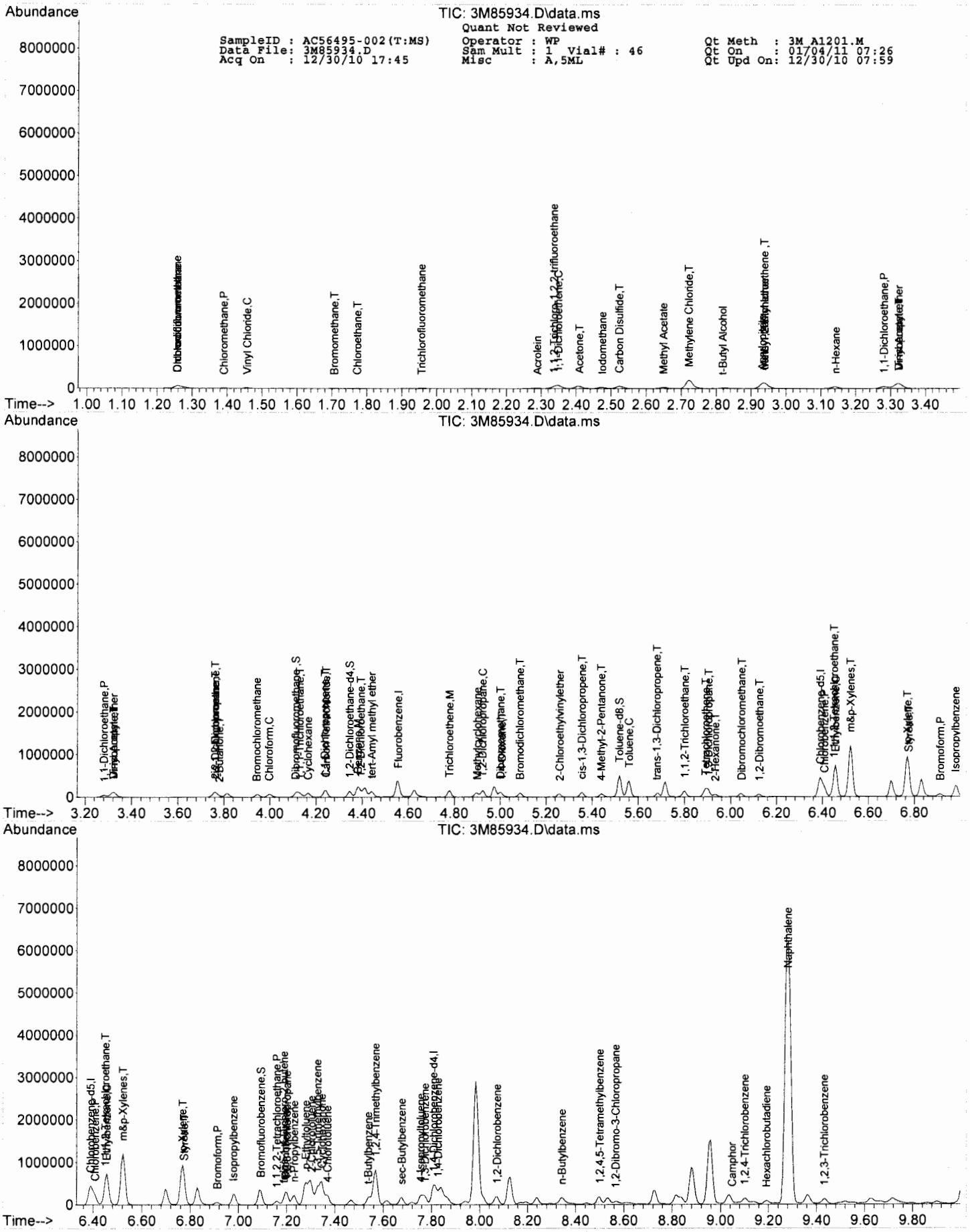
Quantitation Report (Not Reviewed)

SampleID : AC56495-002(T:MS) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85934.D Sam Mult : 1 Vial# : 46 Qt On : 01/04/11 07:26
Acq On : 12/30/10 17:45 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.769	106	142531	62.30	ug/l	90
71) trans-1,4-Dichloro-2-b...	7.190	53	14307	11.74	ug/l	67
72) 1,3-Dichlorobenzene	7.773	146	61307	16.53	ug/l	99
73) 1,4-Dichlorobenzene	7.827	146	63220	16.01	ug/l	92
74) 1,2-Dichlorobenzene	8.074	146	61699	15.63	ug/l	98
75) Isopropylbenzene	6.979	105	118208	21.85	ug/l	99
76) Cyclohexanone	7.346	55	16524	141.18	ug/l	61
78) 1,2,3-Trichloropropane	7.202	75	43761	14.12	ug/l	95
79) 2-Chlorotoluene	7.304	91	77400	17.07	ug/l	98
80) p-Ethyltoluene	7.280	105	415930	69.67	ug/l	96
81) 4-Chlorotoluene	7.370	91	73772	16.37	ug/l	98
82) n-Propylbenzene	7.232	91	130826	17.44	ug/l	99
83) Bromobenzene	7.196	77	79646	16.26	ug/l	88
84) 1,3,5-Trimethylbenzene	7.328	105	163979	33.80	ug/l	97
85) t-Butylbenzene	7.539	119	66035	16.08	ug/l	98
86) 1,2,4-Trimethylbenzene	7.569	105	357349	68.00	ug/l	86
87) sec-Butylbenzene	7.677	105	85307	16.10	ug/l	96
88) 4-Isopropyltoluene	7.755	119	78066	20.85	ug/l	99
89) n-Butylbenzene	8.345	91	10961	2.29	ug/l	62
91) 1,2,4,5-Tetramethylben...	8.501	119	80624	18.30	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	8.567	157	7032	9.90	ug/l	83
93) Camphor	9.048	95	1444	5.83	ug/l	72
94) Hexachlorobutadiene	9.192	225	14896	16.12	ug/l	99
95) 1,2,4-Trichlorobenzene	9.102	180	39621	18.03	ug/l	97
96) 1,2,3-Trichlorobenzene	9.433	180	36512	15.80	ug/l	95
97) Naphthalene	9.283	128	4911270	730.10	ug/l	100

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


TIC: 3M85934.D\data.ms
Quant Not Reviewed
SampleID : AC56495-002(T:MS)
Data File: 3M85934.D
Acq On : 12/30/10 17:45
Operator : WP
Sam Mult : 1 Vial# : 46
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 01/04/11 07:26
Qt Upd On: 12/30/10 07:59
Abundance
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC56495-002(T:MSD) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85935.D Sam Mult : 1 Vial# : 47 Qt On : 01/04/11 07:26
Acq On : 12/30/10 18:01 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.555	96	182861	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.389	117	161028	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.814	152	96840	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.116	111	45503	28.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.47%			
35) 1,2-Dichloroethane-d4	4.344	102	10272	28.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.57%			
59) Toluene-d8	5.517	100	130393	28.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.93%			
67) Bromofluorobenzene	7.092	174	84618	30.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.259	51	89570	25.90	ug/l	87
6) Dichlorodifluoromethane	1.259	85	8704	4.90	ug/l	97
7) Chloromethane	1.375	50	14347	10.65	ug/l	81
8) Bromomethane	1.708	94	4553	9.57	ug/l	97
9) Vinyl Chloride	1.459	62	11805	11.37	ug/l	88
10) Chloroethane	1.775	66	1857	11.65	ug/l	92
11) Trichlorofluoromethane	1.958	101	10630	11.90	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.342	101	10508	22.35	ug/l	91
13) Methylene Chloride	2.721	84	51418	32.77	ug/l	96
14) Acrolein	2.288	56	6817	44.81	ug/l	99
15) Acrylonitrile	2.931	53	9956	12.84	ug/l	88
16) Iodomethane	2.474	142	24414	12.06	ug/l	84
17) Acetone	2.408	43	55856	70.18	ug/l	99
18) Carbon Disulfide	2.522	76	54701	12.34	ug/l	100
19) t-Butyl Alcohol	2.823	59	4349	54.63	ug/l	79
20) n-Hexane	3.142	57	11318	10.88	ug/l	79
21) Di-isopropyl-ether	3.322	45	79975	13.04	ug/l	76
22) 1,1-Dichloroethene	2.348	61	28559	15.11	ug/l	87
23) Methyl Acetate	2.648	43	31161	14.28	ug/l	100
24) Methyl-t-butyl ether	2.937	73	22147	11.87	ug/l	52
25) 1,1-Dichloroethane	3.286	63	39369	13.36	ug/l	95
26) trans-1,2-Dichloroethene	2.937	96	16344	14.03	ug/l	95
27) cis-1,2-Dichloroethene	3.761	61	36300	12.94	ug/l	81
28) Bromochloromethane	3.947	49	28240	13.50	ug/l	87
29) 2,2-Dichloropropane	3.761	77	13875	12.87	ug/l	90
30) 1,4-Dioxane	5.006	88	13155	735.35	ug/l	79
31) 1,1-Dichloropropene	4.242	75	31009	15.44	ug/l	95
32) Chloroform	4.001	83	37170	14.30	ug/l	96
34) Cyclohexane	4.164	56	27536	13.16	ug/l	79
36) 1,2-Dichloroethane	4.398	62	40502	14.07	ug/l	96
37) 2-Butanone	3.779	43	17030	11.64	ug/l	75
38) 1,1,1-Trichloroethane	4.128	97	23598	13.72	ug/l	92
39) Carbon Tetrachloride	4.242	117	21781	14.91	ug/l	85
40) Vinyl Acetate	3.322	43	47489	6.06	ug/l	100
41) Bromodichloromethane	5.090	83	35011	15.28	ug/l	92
42) Methylcyclohexane	4.897	83	19024	14.95	ug/l	79
43) Dibromomethane	5.000	174	22293	15.89	ug/l	93
44) 1,2-Dichloropropane	4.921	63	33490	15.03	ug/l	100
45) Trichloroethene	4.777	130	29333	19.39	ug/l	91
46) Benzene	4.380	78	108341	16.95	ug/l	100
47) tert-Amyl methyl ether	4.440	73	25812	13.43	ug/l	36
49) Dibromochloromethane	6.046	129	28119	14.25	ug/l	96
50) 2-Chloroethylvinylether	5.258	63	18660	10.43	ug/l	89
51) cis-1,3-Dichloropropene	5.354	75	33862	10.21	ug/l	96
52) trans-1,3-Dichloropropene	5.685	75	27826	9.23	ug/l	100
53) 1,1,2-Trichloroethane	5.799	97	27108	14.48	ug/l	96
54) 1,2-Dibromoethane	6.124	107	30161	14.51	ug/l	92
55) 1,3-Dichloropropane	5.902	76	51638	14.44	ug/l	93
56) 4-Methyl-2-Pentanone	5.445	43	41984	10.42	ug/l	97
57) 2-Hexanone	5.932	43	30981	10.75	ug/l	91
58) Tetrachloroethene	5.890	164	23431	16.39	ug/l	94
60) Toluene	5.559	92	95651	22.52	ug/l	95
61) 1,1,1,2-Tetrachloroethane	6.449	133	23844	15.81	ug/l	94
62) Chlorobenzene	6.407	112	75333	15.55	ug/l	98
64) Bromoform	6.912	173	19856	18.39	ug/l	95
65) Ethylbenzene	6.455	106	72488	42.52	ug/l	86
66) 1,1,2,2-Tetrachloroethane	7.158	83	35925	12.39	ug/l	85
68) Styrene	6.774	104	79069	19.21	ug/l	85
69) m&p-Xylenes	6.521	106	224289	89.18	ug/l	99

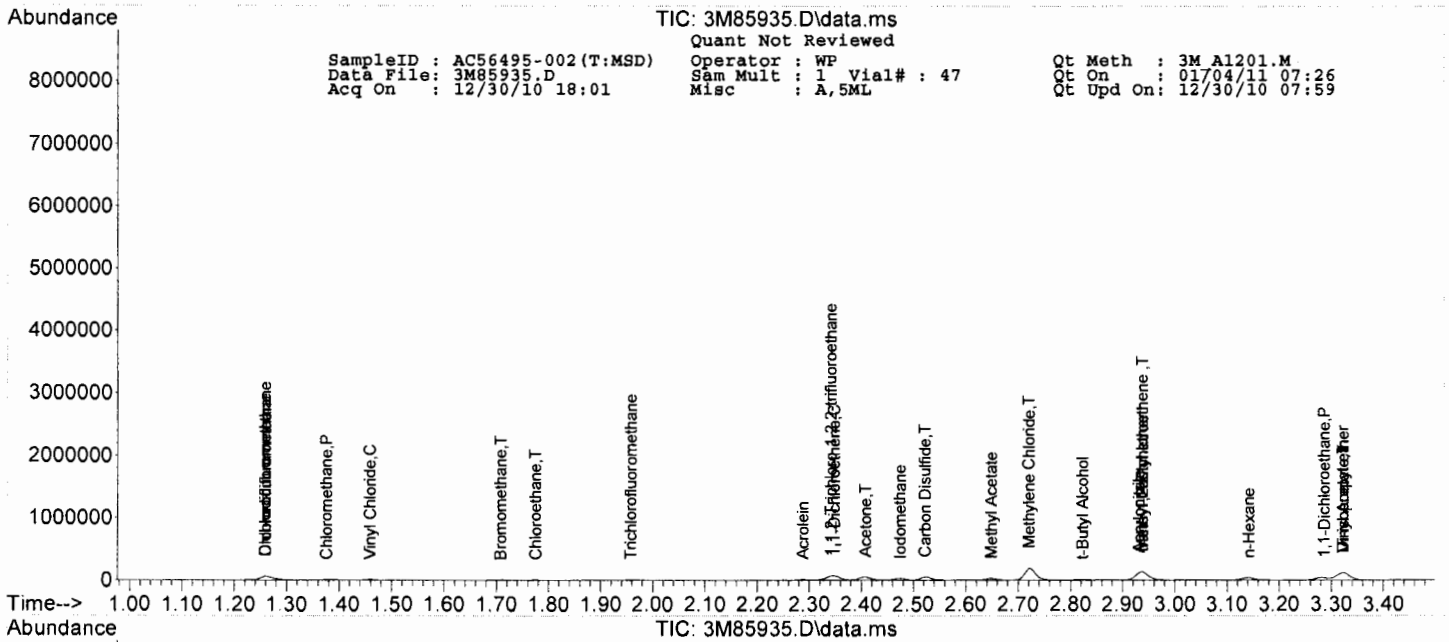
Quantitation Report (Not Reviewed)

SampleID : AC56495-002(T:MSD) Operator : WP Qt Meth : 3M_A1201.M
Data File: 3M85935.D Sam Mult : 1 Vial# : 47 Qt On : 01/04/11 07:26
Acq On : 12/30/10 18:01 Misc : A,5ML Qt Upd On: 12/30/10 07:59

Data Path : G:\GcMsData\2010\GCMS_3\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.768	106	141153	61.18 ug/l	83
71) trans-1,4-Dichloro-2-b...	7.189	53	14684	11.95 ug/l	66
72) 1,3-Dichlorobenzene	7.772	146	60399	16.15 ug/l	98
73) 1,4-Dichlorobenzene	7.826	146	61506	15.45 ug/l	92
74) 1,2-Dichlorobenzene	8.072	146	61372	15.41 ug/l	99
75) Isopropylbenzene	6.984	105	121334	22.24 ug/l	96
76) Cyclohexanone	7.195	55	1058	8.96 ug/l	64
78) 1,2,3-Trichloropropane	7.201	75	44821	14.34 ug/l	92
79) 2-Chlorotoluene	7.303	91	76478	16.72 ug/l	97
80) p-Ethyltoluene	7.279	105	424513	70.51 ug/l	96
81) 4-Chlorotoluene	7.369	91	74664	16.43 ug/l	97
82) n-Propylbenzene	7.231	91	130167	17.21 ug/l	99
83) Bromobenzene	7.201	77	76422	15.47 ug/l	92
84) 1,3,5-Trimethylbenzene	7.327	105	151186	30.90 ug/l	96
85) t-Butylbenzene	7.543	119	64253	15.51 ug/l	99
86) 1,2,4-Trimethylbenzene	7.567	105	355038	66.99 ug/l	86
87) sec-Butylbenzene	7.676	105	87957	16.46 ug/l	96
88) 4-Isopropyltoluene	7.754	119	80126	21.22 ug/l	99
89) n-Butylbenzene	7.982	91	207209	43.01 ug/l	53
91) 1,2,4,5-Tetramethylben...	8.499	119	85910	19.33 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	8.566	157	7461	10.42 ug/l	52
93) Camphor	9.041	95	1805	7.22 ug/l	98
94) Hexachlorobutadiene	9.197	225	15624	16.77 ug/l	99
95) 1,2,4-Trichlorobenzene	9.107	180	39386	17.78 ug/l	96
96) 1,2,3-Trichlorobenzene	9.437	180	38909	16.69 ug/l	96
97) Naphthalene	9.281	128	4898109	722.02 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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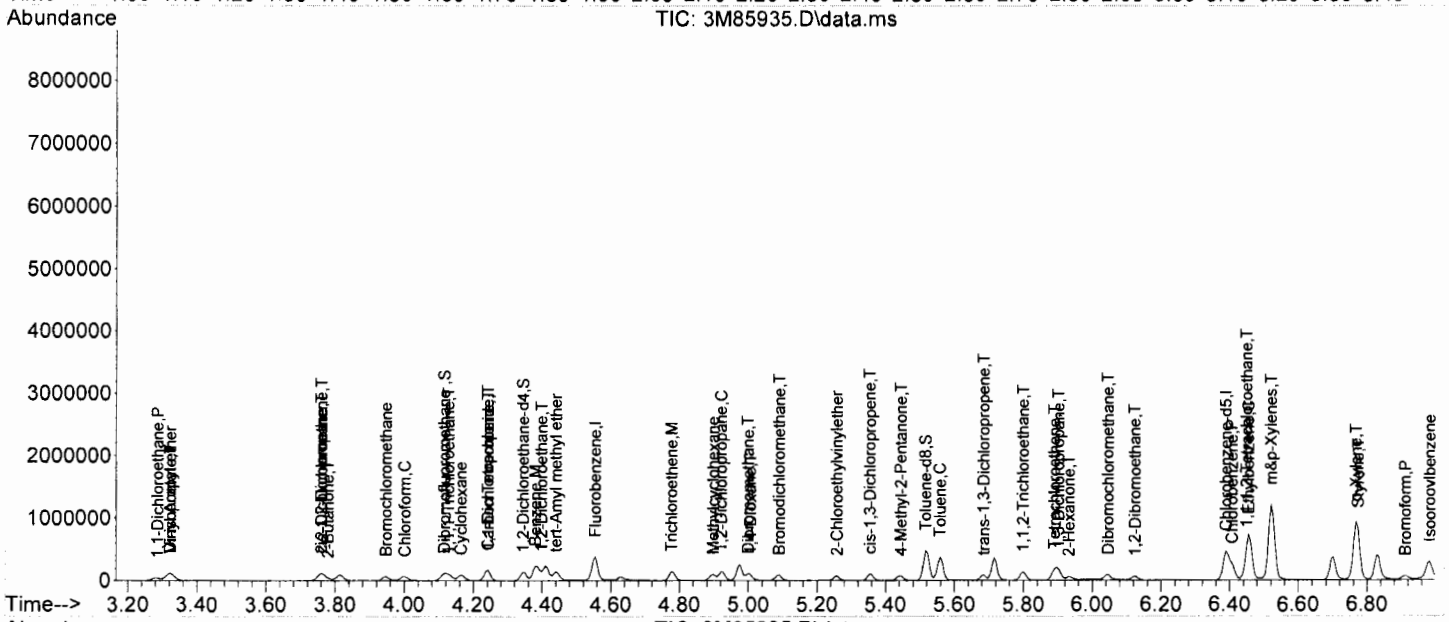
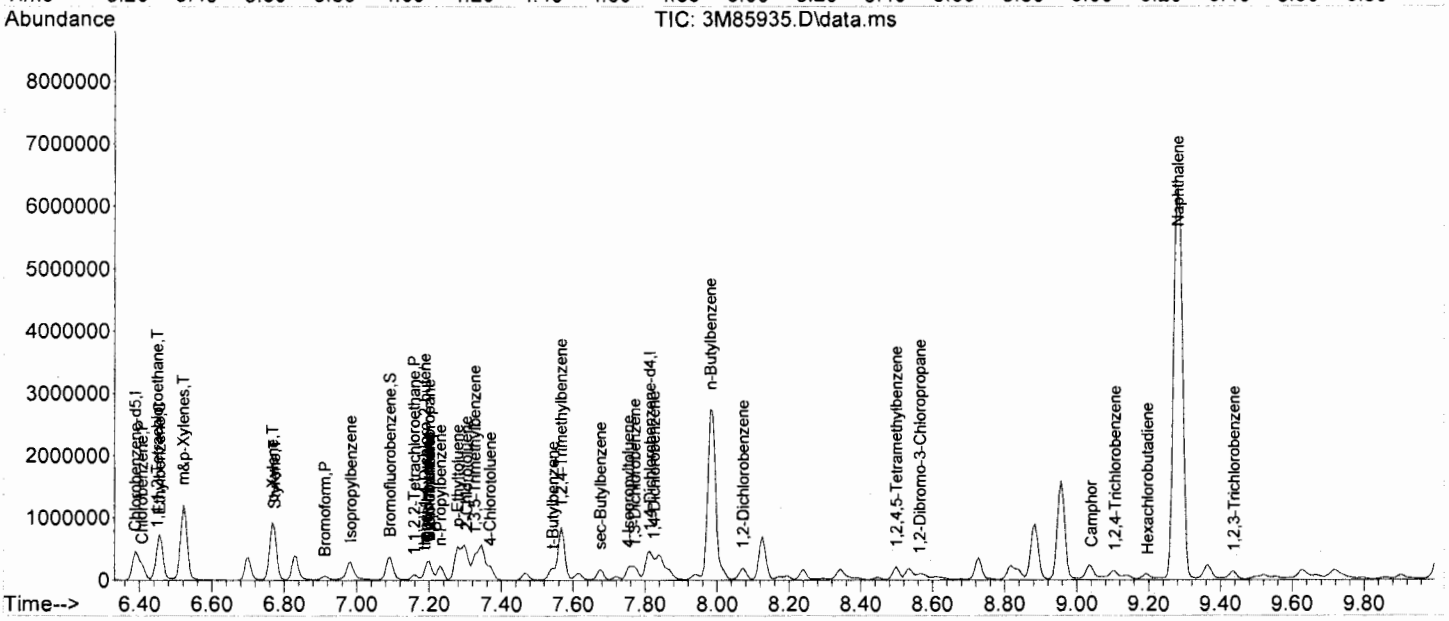
Quant Not Reviewed
SampleID : AC56495-002(T:MSD)
Data File: 3M85935.D
Acq On : 12/30/10 18:01
Operator : WP
Sam Mult : 1 Vial# : 47
Misc : A,5ML
Qt Meth : 3M_A1201.M
Qt On : 01/04/11 07:26
Qt Upd On: 12/30/10 07:59
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M85935.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Isooroovlbenzene
Time-->


Abundance
TIC: 3M85935.D\data.ms
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

SPLP
GC/MS Volatile Data
Logbook Data

0538

Hampton-Clarke/Veritech

9925

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EFIV-104503	32	20	20	104503 EFIV-	500mL	12-28	11,24	12-29	5:25	T	SW	AE		
AC 56464-001	34		20		25g/500mL									
AC56464 -002	24		20											
AC 56464 -003	23		20											
AC 56538-001	19		20											
AC 56538 -002	10		20											
AC 56538 -003	13		20											
AC 56538 -004	31		20											
AC 56538 -005	26		20											
AC 56538 -006	27		20											
AC 56539-001	16		20											
AC 56539-002	28		20											
DI H_2O SPLP FI-1014	30	20	20	1014 SPLPFI	500mL	12-28	11,24	12-29	11:24	S				DI H_2O pH 7.98
AC 56495-001	25		20		25g/500mL									Sat for 24HRS as per Instructions
AC 56495-002	20		20											

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

RUN LOG

1-1-3M84449

Instrument: GCMS_3 Year: 2005 39
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M84449	BFB TUNE		V-95606,V-95161,V-102860	DB						12/01 09:09
3M84450	BLK	IsCnAnc	-	DB		Aqueous	1	1	624 8260	12/01 09:30
3M84451	CAL @ 1 PPB		B-9216	DB		Aqueous	1	1	624 8260	12/01 09:46
3M84452	CAL @ 0.5 PPB		B-9216	DB		Aqueous	1	1	624 8260	12/01 10:06
3M84453	CAL @ 5 PPB		B-9216	DB		Aqueous	1	1	624 8260	12/01 10:28
3M84454	CAL @ 500 PPB	Oc	B-9216	DB		Aqueous	1	1	624 8260	12/01 10:47
3M84455	CAL @ 250 PPB	Oc	B-9216	DB		Aqueous	1	1	624 8260	12/01 11:04
3M84456	CAL @ 100 PPB	Oc	B-9216	DB		Aqueous	1	1	624 8260	12/01 11:21
3M84457	CAL @ 50 PPB	Oc	B-9216	DB		Aqueous	1	1	624 8260	12/01 11:38
3M84458	CAL @ 20 PPB		B-9216	DB		Aqueous	1	1	624 8260	12/01 11:54
3M84459	CAL @ 10 PPB		B-9216	DB		Aqueous	1	1	624 8260	12/01 12:22
3M84460	10 PPB		power outage	DB		Aqueous	1	1	624 8260	12/01 12:39
3M84461	BLK		-	DB		Aqueous	1	1	624 8260	12/01 12:59
3M84462	ICV	Ivo	OK	DB		Aqueous	1	1	624 8260	12/01 13:16
3M84463	BLK		-	DB		Aqueous	1	1	624 8260	12/01 13:36
3M84464	DAILY BLANK		OK	DB		Methano	1	1	8260	12/01 13:52
3M84465	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	12/01 14:09
3M84466	MBS3761		OK MBS3761	DB		Methano	1	1	8260	12/01 14:25
3M84467	MBS3762		OK MBS3762	DB		Aqueous	1	1	624 8260	12/01 14:42
3M84468	AC56022-013		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 15:12
3M84469	BLKJUG#1		-	DB		Aqueous	1	1	624 8260	12/01 15:29
3M84470	AC55987-003(5X)		OK	DB	VO10-624	Aqueous	1	5	624	12/01 15:48
3M84471	AC56022-014		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 16:07
3M84472	AC56022-015		RR-5g MBS3772	DB	VO10-8260	Methano	1	1	8260	12/01 16:23
3M84473	AC56022-016		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 16:40
3M84474	AC55984-002(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	12/01 16:56
3M84475	AC56019-004		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 17:13
3M84476	AC56019-007		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 17:30
3M84477	AC56019-008		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 17:46
3M84478	AC56019-011		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 18:03
3M84479	AC56019-013		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 18:20
3M84480	AC56019-015		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 18:36
3M84481	AC56019-019		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 18:53
3M84482	AC56019-020		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 19:10
3M84483	AC56019-022		RR-5g	DB	VO10-8260	Methano	1	1	8260	12/01 19:27
3M84484	AC56007-004(MS)		-	DB	VOBTEX-624	Aqueous	1	1	624 8260	12/01 19:43

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Diff
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endipo Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepruns	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_3 Year: 2005 40
Analyst: WP

1-1-3M85893

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M85893.	BFB TUNE		V-95606,V-104916,V-95161,V-103984	DB						12/30 06:24
3M85894.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	12/30 06:34
3M85895.	BLK		-	DB		Aqueous	1	1	624 8260	12/30 06:55
3M85896.	DAILY BLANK		OK	DB		Methano	1	1	8260	12/30 07:12
3M85897.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	12/30 07:28
3M85898.	AC56399-001(T)		OK	DB	VOTCLP-826	Aqueous	1	1	8260	12/30 07:45
3M85899.	AC56495-001(T)		OK	DB	VOSPLP-826	Aqueous	1	1	8260	12/30 08:01
3M85900.	AC56495-002(T)		OK MBS5385	DB	VOSPLP-826	Aqueous	1	1	8260	12/30 08:18
3M85901.	EF-SPLP FL-1014(122		OK	DB		Aqueous	1	1229	8260	12/30 08:34
3M85902.	MBS5380		OK MBS5380	DB		Aqueous	1	1	624 8260	12/30 08:51
3M85903.	MBS5381		OK MBS5381	DB		Methano	1	1	8260	12/30 09:08
3M85904.	AC56515-026(20X)		OK	DB	VO-8260	Aqueous	1	20	8260	12/30 09:24
3M85905.	AC56515-029(500X)		OK	DB	VO-8260	Aqueous	1	500	8260	12/30 09:41
3M85906.	AC56515-028(500X)		OK	DB	VO-8260	Aqueous	1	500	8260	12/30 09:57
3M85907.	AC56517-001		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 10:14
3M85908.	AC56517-041		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 10:33
3M85909.	AC56517-042		OK MBS5380	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 10:50
3M85910.	AC56517-043(MS:AC5		OK MBS5380	DB	VOSTARS-82	Aqueous	1	1	624 8260	12/30 11:06
3M85911.	AC56517-044(MSD:AC		OK MBS5380	DB	VOSTARS-82	Aqueous	1	1	624 8260	12/30 11:23
3M85912.	AC56517-047		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 11:40
3M85913.	AC56517-048		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 11:56
3M85914.	AC56517-025		RR-1X - possible CO	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 12:13
3M85915.	AC56517-026		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 12:30
3M85916.	AC56517-027		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 12:47
3M85917.	AC56517-033		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 13:03
3M85918.	AC56517-034		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 13:20
3M85919.	AC56517-035		OK	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 13:37
3M85920.	AC56517-036		RR-1X - possible CO	DB	VOSTARS-82	Aqueous	1	1	8260	12/30 13:53
3M85921.	BLK		OK	SG		Aqueous	1	1	624 8260	12/30 14:10
3M85922.	AC56534-001		OK	DB	VOBTEX-624	Aqueous	1	1	624	12/30 14:27
3M85923.	AC56534-002		OK	DB	VOBTEX-624	Aqueous	1	1	624	12/30 14:43
3M85924.	AC56534-005		OK	DB	VOBTEX-624	Aqueous	1	1	624	12/30 15:00
3M85925.	MBS5385		OK MBS5385	DB		Aqueous	1	1	624 8260	12/30 15:16
3M85926.	AC56568-001		OK	DB	VOBTEX-826	Aqueous	1	1	8260	12/30 15:33
3M85927.	AC56568-002		OK	SG	VOBTEX-826	Aqueous	1	1	8260	12/30 15:49
3M85928.	AC56568-003		OK	SG	VOBTEX-826	Aqueous	1	1	8260	12/30 16:05
3M85929.	BLKJUG#2					Aqueous	1	1	624 8260	12/30 16:22
3M85930.	AC56517-025		OK	SG	VOSTARS-82	Aqueous	1	1	8260	12/30 16:38
3M85931.	AC56517-036		OK	SG	VOSTARS-82	Aqueous	1	1	8260	12/30 16:55
3M85932.	AC56556-002(T)		OK	SG	VOTCLP-826	Aqueous	1	1	8260	12/30 17:12
3M85933.	EF-1V-104503(123010)		OK	SG		Aqueous	1	1230	8260	12/30 17:29
3M85934.	AC56495-002(T:MS)	OcM16	OK MBS5385	SG	VOSPLP-826	Aqueous	1	1	624 8260	12/30 17:45
3M85935.	AC56495-002(T:MSD)	OcM16M18	OK MBS5385	SG	VOSPLP-826	Aqueous	1	1	624 8260	12/30 18:01
3M85936.	BLKJUG#2		-	SG		Aqueous	1	1	624 8260	12/30 18:18
3M85937.	AC56561-009		OK	SG	VOBTEXM-62	Aqueous	1	1	624	12/30 18:35
3M85938.	AC56561-008		OK	SG	VOBTEXM-62	Aqueous	1	1	624	12/30 18:51
3M85939.	AC56561-003(10X)		RR-1X	SG	VOBTEXM-62	Aqueous	1	10	624	12/30 19:08
3M85940.	AC56561-001(50X)		OK	SG	VOBTEXM-62	Aqueous	1	50	624	12/30 19:24
3M85941.	AC56561-004(100X)		RR-10X	SG	VOBTEXM-62	Aqueous	1	100	624	12/30 19:40
3M85942.	AC56561-005(200X)		OK	SG	VOBTEXM-62	Aqueous	1	200	624	12/30 19:57
3M85943.	AC56561-002(500X)		RR-1X	SG	VOBTEXM-62	Aqueous	1	500	624	12/30 20:14
3M85944.	AC56561-006(500X)		RR-200X,OK	SG	VOBTEXM-62	Aqueous	1	500	624	12/30 20:31
3M85945.	AC56561-007(1000X)		RR-200X	SG	VOBTEXM-62	Aqueous	1	1000	624	12/30 20:47
3M85946.	BLK	Ti8	-	SG		Aqueous	1	1	624 8260	12/30 21:04
3M85947.	BLK	Ti8	-	SG		Aqueous	1	1	624 8260	12/30 21:21
3M85948.	BLK	Ti8	-	SG		Aqueous	1	1	624 8260	12/30 21:37
3M85949.	BLK	Ti8	-	SG		Aqueous	1	1	624 8260	12/30 21:54

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rod Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rod Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Ini Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/undates modcheckprepound	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-80241

Prepared By: Batelli, Daniel
Description: VOA ADD MIX
Prep Date: 1/25/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 01/26/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-80242

Prepared By: Batelli, Daniel
Description: VOA ADD MIX(2nd Source)
Prep Date: 1/25/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 01/26/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-82356

Prepared By: Revolus, Jean
Description: VOA STOCK INT/SURR MIX
Prep Date: 3/9/2010
Expiration Date: 3/9/2011
Department: Organics
BatchNumber:
Concentration: 1500 ppm
Final Volume: 100 ml
ApprovedBy: jean
ApproveDate: 03/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
4372	Methanol	100 ml	neat	
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm
3661	Fluorobenzene	150 mg	NEAT	1500 ppm

Veritech Lot Number: V-85760

Prepared By: Batelli, Daniel
Description: CYCLOHEXANONE
Prep Date: 5/3/2010
Expiration Date: 1/31/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: dan
ApproveDate: 05/04/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
1230	METHANOL	10 ml	NEAT	

Veritech Lot Number: V-85761

Prepared By: Batelli, Daniel
Description: CYCLOHEXANONE(2nd Source)
Prep Date: 5/3/2010
Expiration Date: 1/31/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
1230	METHANOL	10 ml	NEAT	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-88943

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: Voa extra add mix | BatchNumber: | ApproveDate: 09/23/10
Prep Date: 6/21/2010 | Concentration: 2000-20000 p | Checked: Yes
Expiration Date: 6/21/2011 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5013	d-Camphor	200 mg	NEAT	20000 ppm
5014	Camphene	20 mg	NEAT	2000 ppm
4995	METHANOL	10 ml	neat neat	

Veritech Lot Number: V-95161

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA WORKING INT/SURR MIX | BatchNumber: | ApproveDate: 09/09/10
Prep Date: 9/7/2010 | Concentration: 150 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 200 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	225 ml	NEAT	
V-82356	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-95606

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: BFB Tune Mix | BatchNumber: | ApproveDate: 09/14/10
Prep Date: 9/13/2010 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 1.5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-95161	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Lot Number: V-102859

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: 200ppm GASES Working Std | BatchNumber: | ApproveDate: 12/02/10
Prep Date: 12/1/2010 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 12/31/2010 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	900 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-102860

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: MBS | BatchNumber: | ApproveDate: 12/02/10
Prep Date: 12/1/2010 | Concentration: 100 ppm | Checked: Yes
Expiration Date: 12/31/2010 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	630 ul	NEAT	neat neat
5327	Gases(VOC Mix 6)	50 ul	2000 ppm	100 ppm
5094	502/524 Voa Cal Mix	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	50 ul	2000 ppm	various ppm
5288	TAMES	50 ul	2000 ppm	100 ppm
v-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
v-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102873

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 12/1/2010
Expiration Date: 12/8/2010
Department: Organics
BatchNumber: B-9216
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-102874

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 12/1/2010
Expiration Date: 12/8/2010
Department: Organics
BatchNumber: B-9216
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-102875

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 12/1/2010
Expiration Date: 12/8/2010
Department: Organics
BatchNumber: B-9216
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-102876

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 12/1/2010
Expiration Date: 12/8/2010
Department: Organics
BatchNumber: B-9216
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-102877

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 12/1/2010
Expiration Date: 12/8/2010
Department: Organics
BatchNumber: B-9216
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102878

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: DAN
Description: 624/8260 CAL @ 5 PPB
BatchNumber: B-9216
ApproveDate: 12/02/10
Prep Date: 12/1/2010
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 12/8/2010
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Lot Number: V-102879

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: DAN
Description: 624/8260 CAL @ 1 PPB
BatchNumber: B-9216
ApproveDate: 12/02/10
Prep Date: 12/1/2010
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 12/8/2010
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-102880

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: DAN
Description: 624/8260 CAL @ 0.5 PPB
BatchNumber: B-9216
ApproveDate: 12/02/10
Prep Date: 12/1/2010
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 12/8/2010
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Lot Number: V-102881

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: DAN
Description: 624/8260 CAL @ 500 PPB
BatchNumber: B-9216
ApproveDate: 12/02/10
Prep Date: 12/1/2010
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 12/8/2010
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102859	200ppm GASES Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-102883

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: DAN
Description: ICV CAL @ 20 PPB
BatchNumber:
ApproveDate: 12/02/10
Prep Date: 12/1/2010
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 12/8/2010
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-102860	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103592

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 12/8/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/13/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	260 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
4892	502/524 VOA Cal Mix	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5449	CUSTOM VOC STD MIX	100 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-85760	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp

Veritech Lot Number: V-103984

Prepared By: Batelli, Daniel
Description: MBS
Prep Date: 12/14/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/15/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	630 ul	NEAT	neat neat
5327	Gases(VOC Mix 6)	50 ul	2000 ppm	100 ppm
5094	502/524 Voa Cal Mix	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	50 ul	2000 ppm	various ppm
5288	TAMES	50 ul	2000 ppm	100 ppm
v-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
v-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp

Veritech Lot Number: V-104916

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 12/30/2010
Expiration Date: 12/31/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103592	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777

Description
1-bromo-4-fluorobenzene

ApprovedBy: jean
ApproveDate: 09/03/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295

Description
CHLOROBENZENE-D5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297

Description
TOLUENE-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2726

Description
CYCLOHEXANONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2326	352-153B	09/04/07	01/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2880

Description
p-ETHYLTOLUENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2413	376-30A	11/19/07	01/31/12	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2881

Description
p-DIETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2296	371-140A	11/19/07	12/31/10	Revolus, Jean	3	100m	NEAT	

Veritech Control/Receipt Number: 2889

Description
1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 3178

Description
1,2-Dichloroethane-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3661

Description
Fluorobenzene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 3693

Description
Dibromofluoromethane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT	

Veritech Control/Receipt Number: 4372

Description
Methanol

ApprovedBy: jean
ApproveDate: 09/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G49E42	09/01/09	08/31/11	Okomeng, Maxwel	36	1Lt	neat	

Veritech Control/Receipt Number: 4892

Description
502/524 VOA Cal Mix

ApprovedBy: DAN
ApproveDate: 04/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-02111	LB69824	04/23/10	09/30/11	Batelli, Daniel	2	1mL	2000	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4995

Description
METHANOL

ApprovedBy: richq
ApproveDate: 06/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A412SK-4	103255	06/11/10	06/11/12	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 5013

Description
d-Camphor

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2404	402-140B	06/21/10	06/30/14	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5014

Description
Camphene

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-747	419-138A	06/21/10	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5094

Description
502/524 Voa Cal Mix

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	LVOC-1JM	450-46A	07/26/10	06/30/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5123

Description
tert-Amyl Methyl Ether Standard

ApprovedBy: jean
ApproveDate: 08/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A075900	08/02/10	07/31/15	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5278

Description
CHLORODIFLUOMETHANE

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	210041336	09/22/10	04/21/20	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 5281

Description
GASES(PURGEABLE HALOCARBONS)

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	209091042	09/22/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5288

Description: TAMES

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-06737	LB64951	09/29/10	02/28/12	Hamid, Akmal	2	1	2000	ppm

Veritech Control/Receipt Number: 5327

Description: Gases(VOC Mix 6)

ApprovedBy: DAN
ApproveDate: 11/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48799-U	LB76065	10/08/10	08/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 5381

Description: P&T Water

ApprovedBy: DAN
ApproveDate: 10/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Veritech	N/A	N/A	10/01/10	10/01/15	Batelli, Daniel	1	N/A	Neat	Neat

Veritech Control/Receipt Number: 5409

Description: 8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB73020	11/09/10	11/30/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5413

Description: 8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5449

Description: CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description: CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

SPLP
GC/MS Semi-Volatile Data

SPLP
GC/MS Semi-Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M18688.D	EF-DI H2O(12	Aqueous	12/30/10 12:32	1		80	60	98	102	93	102
5M63751.D	WMB4150	Aqueous	01/02/11 21:47	1		75	55	99	104	103	130
9M31350.D	WMB4136	Aqueous	12/29/10 15:39	1		71	47	105	112	109	117
9M31357.D	AC56495-001(	Aqueous	12/29/10 18:20	1		77	66	103	108	118	117
9M31358.D	AC56495-002(	Aqueous	12/29/10 18:43	1		82	66	102	110	117	124
5M63778.D	AC56498-001(	Aqueous	01/03/11 08:25	1		0	0	80	90	0	105
5M63704.D	WMB4136(MS	Aqueous	12/29/10 13:03	1		70	46	111	98	109	108
5M63709.D	AC56498-001	Aqueous	12/29/10 15:02	1		41	37	103	110	26 *	116
5M63710.D	AC56498-001(	Aqueous	12/29/10 15:25	1		87	68	105	94	103	107
5M63711.D	AC56498-001(	Aqueous	12/29/10 15:49	1		86	67	106	101	103	107

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

Form3
Recovery Data
QC Batch: WMB4136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63704.D	WMB4136(MS)	12/29/2010 1:03:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	70.48	0	100	70	1	93
Phenol	1	45.74	0	100	46	32	98
2-Chlorophenol	1	102.99	0	100	103	64	108
1,4-Dichlorobenzene	1	99.78	0	100	100	52	110
2-Methylphenol	1	95.63	0	100	96	58	113
Hexachloroethane	1	96.74	0	100	97	57	116
N-Nitroso-di-n-propylamine	1	100.64	0	100	101	49	118
3&4-Methylphenol	1	90.36	0	100	90	64	98
Nitrobenzene	1	108.42	0	100	108	80	115
2,4-Dimethylphenol	1	100.66	0	100	101	54	122
1,2,4-Trichlorobenzene	1	94.77	0	100	95	52	120
Naphthalene	1	97.37	0	100	97	61	116
Hexachlorobutadiene	1	96.47	0	100	96	61	118
4-Chloro-3-methylphenol	1	112.45	0	100	112	71	119
2,4,6-Trichlorophenol	1	119.08	0	100	119	89	124
2,4,5-Trichlorophenol	1	117.08	0	100	117	89	129
Acenaphthene	1	102.65	0	100	103	75	110
2,4-Dinitrotoluene	1	102.94	0	100	103	64	120
4-Nitrophenol	1	55.12	0	100	55	35	116
Fluorene	1	104.45	0	100	104	73	113
Hexachlorobenzene	1	100.71	0	100	101	61	120
Pentachlorophenol	1	86.81	0	100	87	76	140
Pyrene	1	105.13	0	100	105	76	118
Butylbenzylphthalate	1	106.72	0	100	107	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63710.D	AC56498-001(MS)	12/29/2010 3:25:00 PM
Non Spike(If applicable):	5M63709.D	AC56498-001	12/29/2010 3:02:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	89.56	0	100	90	1	93
Phenol	1	67.31	0	100	67	32	98
2-Chlorophenol	1	104.75	0	100	105	64	108
1,4-Dichlorobenzene	1	100.58	0	100	101	52	110
2-Methylphenol	1	100.98	0	100	101	58	113
Hexachloroethane	1	98.76	0	100	99	57	116
N-Nitroso-di-n-propylamine	1	99.94	0	100	100	49	118
3&4-Methylphenol	1	104.88	0	100	105*	64	98
Nitrobenzene	1	106.63	0	100	107	80	115
2,4-Dimethylphenol	1	100.5	0	100	100	54	122
1,2,4-Trichlorobenzene	1	93.13	0	100	93	52	120
Naphthalene	1	99.07	0	100	99	61	116
Hexachlorobutadiene	1	96.67	0	100	97	61	118
4-Chloro-3-methylphenol	1	109.78	0	100	110	71	119
2,4,6-Trichlorophenol	1	116.6	0	100	117	89	124
2,4,5-Trichlorophenol	1	112.9	0	100	113	89	129
Acenaphthene	1	101.51	0	100	102	75	110
2,4-Dinitrotoluene	1	101.27	0	100	101	64	120
4-Nitrophenol	1	76.88	0	100	77	35	116
Fluorene	1	102.44	0	100	102	73	113
Hexachlorobenzene	1	97.7	0	100	98	61	120
Pentachlorophenol	1	78.86	0	100	79	76	140
Pyrene	1	105.58	0	100	106	76	118
Butylbenzylphthalate	1	107.82	0	100	108	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63711.D	AC56498-001(MSD)	12/29/2010 3:49:00 PM
Non Spike(If applicable):	5M63709.D	AC56498-001	12/29/2010 3:02:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	90.47	0	100	90	1	93
Phenol	1	66.58	0	100	67	32	98
2-Chlorophenol	1	104.49	0	100	104	64	108
1,4-Dichlorobenzene	1	100.64	0	100	101	52	110
2-Methylphenol	1	103.5	0	100	104	58	113
Hexachloroethane	1	100.59	0	100	101	57	116
N-Nitroso-di-n-propylamine	1	104.15	0	100	104	49	118
3&4-Methylphenol	1	104.32	0	100	104 *	64	98
Nitrobenzene	1	108.01	0	100	108	80	115
2,4-Dimethylphenol	1	101.91	0	100	102	54	122
1,2,4-Trichlorobenzene	1	96.4	0	100	96	52	120
Naphthalene	1	96.81	0	100	97	61	116
Hexachlorobutadiene	1	96.81	0	100	97	61	118
4-Chloro-3-methylphenol	1	112.36	0	100	112	71	119
2,4,6-Trichlorophenol	1	117.01	0	100	117	89	124
2,4,5-Trichlorophenol	1	113.63	0	100	114	89	129
Acenaphthene	1	103.85	0	100	104	75	110
2,4-Dinitrotoluene	1	103.02	0	100	103	64	120
4-Nitrophenol	1	76.93	0	100	77	35	116
Fluorene	1	102.82	0	100	103	73	113
Hexachlorobenzene	1	101.01	0	100	101	61	120
Pentachlorophenol	1	81.32	0	100	81	76	140
Pyrene	1	105.7	0	100	106	76	118
Butylbenzylphthalate	1	109.58	0	100	110	66	127

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: WMB4136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63711.D	AC56498-001(MSD)	12/29/2010 3:49:00 PM
Duplicate(If applicable):	5M63710.D	AC56498-001(MS)	12/29/2010 3:25:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	90.47	89.56	1	27
Phenol	1	66.58	67.31	1.1	27
2-Chlorophenol	1	104.49	104.75	0.25	21
1,4-Dichlorobenzene	1	100.64	100.58	0.06	30
2-Methylphenol	1	103.5	100.98	2.5	25
Hexachloroethane	1	100.59	98.76	1.8	27
N-Nitroso-di-n-propylamine	1	104.15	99.94	4.1	14
3&4-Methylphenol	1	104.32	104.88	0.54	27
Nitrobenzene	1	108.01	106.63	1.3	27
2,4-Dimethylphenol	1	101.91	100.5	1.4	18
1,2,4-Trichlorobenzene	1	96.4	93.13	3.5	17
Naphthalene	1	96.81	99.07	2.3	16
Hexachlorobutadiene	1	96.81	96.67	0.14	27
4-Chloro-3-methylphenol	1	112.36	109.78	2.3	16
2,4,6-Trichlorophenol	1	117.01	116.6	0.35	27
2,4,5-Trichlorophenol	1	113.63	112.9	0.64	27
Acenaphthene	1	103.85	101.51	2.3	14
2,4-Dinitrotoluene	1	103.02	101.27	1.7	13
4-Nitrophenol	1	76.93	76.88	0.07	41
Fluorene	1	102.82	102.44	0.37	14
Hexachlorobenzene	1	101.01	97.7	3.3	27
Pentachlorophenol	1	81.32	78.86	3.1	31
Pyrene	1	105.7	105.58	0.11	13
Butylbenzylphthalate	1	109.58	107.82	1.6	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: WMB4136
Blank Data File: 9M31350.D
Matrix: Aqueous

Blank Analysis Date: 12/29/10 15:39
Blank Extraction Date: 12/29/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC56495-001(T)	9M31357.D	12/29/10 18:20
AC56495-002(T)	9M31358.D	12/29/10 18:43
EF-DI H2O(12/23)	10M18688.D	12/30/10 12:32
AC56498-001(MSD	5M63711.D	12/29/10 15:49
AC56498-001(MS)	5M63710.D	12/29/10 15:25
AC56498-001	5M63709.D	12/29/10 15:02
WMB4136(MS)	5M63704.D	12/29/10 13:03

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M30990.D
Analysis Date: 12/13/10 08:26
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.539 to 9.539 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.0	7374	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.8	7337	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.6	9748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20472	PASS
199	198	5	9	7.5	1539	PASS
275	198	10	30	24.3	4968	PASS
365	198	1	100	2.8	570	PASS
441	443	0.01	100	64.4	2568	PASS
442	198	40	100	92.9	19016	PASS
443	442	17	23	21.0	3989	PASS

Data File	Sample Number	Analysis Date:
9M30991.D	BNA@50PPM	12/13/10 10:07
9M30992.D	CAL BNA@196PP	12/13/10 10:35
9M30993.D	CAL BNA@160PP	12/13/10 10:58
9M30994.D	CAL BNA@120PP	12/13/10 11:21
9M30995.D	CAL BNA@80PPM	12/13/10 11:44
9M30996.D	CAL BNA@50PPM	12/13/10 12:08
9M30997.D	CAL BNA@20PPM	12/13/10 12:31
9M30998.D	CAL BNA@10PPM	12/13/10 12:54
9M30999.D	CAL BNA@0.5PP	12/13/10 13:17
9M31000.D	CAL BNA@2PPM	12/13/10 13:40
9M31001.D	CAL BNA@50PPM	12/13/10 14:43
9M31002.D	CAL BNA@120PP	12/13/10 15:08
9M31003.D	ICV BNA@50PPM	12/13/10 15:34
9M31004.D	SMB2779	12/13/10 16:10

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M18327.D
Analysis Date: 12/14/10 09:30
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.946 to 9.952 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.5	9492	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.1	10682	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.1	11478	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	26017	PASS
199	198	5	9	6.7	1751	PASS
275	198	10	30	27.7	7213	PASS
365	198	1	100	4.2	1099	PASS
441	443	0.01	100	87.8	3885	PASS
442	198	40	100	87.6	22788	PASS
443	442	17	23	19.4	4425	PASS

Data File	Sample Number	Analysis Date:
10M18328.D	CAL BNA@50PPM	12/14/10 09:54
10M18329.D	CAL BNA@196PP	12/14/10 10:17
10M18330.D	CAL BNA@160PP	12/14/10 10:40
10M18331.D	CAL BNA@120PP	12/14/10 11:03
10M18332.D	CAL BNA@80PPM	12/14/10 11:26
10M18333.D	CAL BNA@20PPM	12/14/10 11:49
10M18334.D	CAL BNA@10PPM	12/14/10 12:14
10M18335.D	CAL BNA@0.5PP	12/14/10 12:37
10M18336.D	CAL BNA@2PPM	12/14/10 13:00
10M18337.D	ICV BNA@50PPM	12/14/10 13:35

Form 5

Tune Name: CAL DFTPP **Data File:** 5M63635.D
Instrument: GCMS 5 **Analysis Date:** 12/23/10 08:16
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.975 to 9.986 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	53.5	66993	PASS
68	69	0.00	2	0.8	488	PASS
69	198	0.00	100	49.3	61755	PASS
70	69	0.00	2	0.6	353	PASS
127	198	40	60	57.6	72090	PASS
197	198	0.00	1	0.2	285	PASS
198	198	100	100	100.0	125195	PASS
199	198	5	9	6.4	7975	PASS
275	198	10	30	15.6	19544	PASS
365	198	1	100	1.6	1998	PASS
441	443	0.01	100	85.7	9610	PASS
442	198	40	100	48.2	60381	PASS
443	442	17	23	18.6	11207	PASS

Data File	Sample Number	Analysis Date:
5M63636.D	CAL BNA@50PPM	12/23/10 09:00
5M63637.D	CAL BNA@196PP	12/23/10 09:23
5M63638.D	CAL BNA@160PP	12/23/10 09:47
5M63639.D	CAL BNA@120PP	12/23/10 10:10
5M63640.D	CAL BNA@80PPM	12/23/10 10:34
5M63641.D	CAL BNA@50PPM	12/23/10 10:58
5M63642.D	CAL BNA@20PPM	12/23/10 11:21
5M63643.D	CAL BNA@10PPM	12/23/10 11:45
5M63644.D	CAL BNA@0.5PP	12/23/10 12:08
5M63645.D	CAL BNA@2PPM	12/23/10 12:31
5M63646.D	CAL BNA@50PPM	12/23/10 12:55
5M63647.D	CAL BNA@0.5PP	12/23/10 13:52
5M63648.D	ICV BNA@50PPM	12/23/10 14:45
5M63649.D	WMB2794	12/23/10 15:09

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M63696.D
Analysis Date: 12/29/10 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.975 to 9.980 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.0	9020	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.4	9109	PASS
70	69	0.00	2	1.1	103	PASS
127	198	40	60	53.1	11420	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	21489	PASS
199	198	5	9	6.2	1339	PASS
275	198	10	30	17.3	3717	PASS
365	198	1	100	2.4	517	PASS
441	443	0.01	100	85.3	2032	PASS
442	198	40	100	59.7	12818	PASS
443	442	17	23	18.6	2382	PASS

Data File	Sample Number	Analysis Date:
5M63697.D	BNA@50PPM	12/29/10 09:51
5M63698.D	CAL BNA@50PPM	12/29/10 10:16
5M63699.D	TEST33	12/29/10 10:41
5M63700.D	WMB4133(MS)	12/29/10 11:28
5M63701.D	WMB4133	12/29/10 11:52
5M63702.D	AC56464-001(T)	12/29/10 12:16
5M63703.D	AC56464-001(T)(M	12/29/10 12:39
5M63704.D	WMB4136(MS)	12/29/10 13:03
5M63705.D	WMB4136	12/29/10 13:27
5M63706.D	AC56464-001(T)(M	12/29/10 13:50
5M63707.D	AC56464-002(T)	12/29/10 14:14
5M63708.D	AC56464-003(T)	12/29/10 14:38
5M63709.D	AC56498-001	12/29/10 15:02
5M63710.D	AC56498-001(MS)	12/29/10 15:25
5M63711.D	AC56498-001(MSD	12/29/10 15:49
5M63712.D	AC56498-002	12/29/10 16:13
5M63713.D	AC56475-004(T)	12/29/10 16:37
5M63714.D	AC56491-001	12/29/10 17:01
5M63715.D	AC56511-001	12/29/10 17:24
5M63716.D	AC56520-003	12/29/10 17:48
5M63717.D	AC56520-002	12/29/10 18:11

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M31335.D
Analysis Date: 12/29/10 09:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.366 to 9.377 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.9	14384	PASS
68	69	0.00	2	0.5	90	PASS
69	198	0.00	100	50.1	17620	PASS
70	69	0.00	2	1.4	241	PASS
127	198	40	60	58.8	20672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35150	PASS
199	198	5	9	6.7	2347	PASS
275	198	10	30	23.3	8175	PASS
365	198	1	100	1.1	377	PASS
441	443	0.01	100	65.7	2830	PASS
442	198	40	100	63.4	22283	PASS
443	442	17	23	19.3	4308	PASS

Data File	Sample Number	Analysis Date:
9M31336.D	CAL BNA@50PPM	12/29/10 10:14
9M31337.D	SMB4129(MS)	12/29/10 10:37
9M31338.D	AC56495-001(3X)	12/29/10 11:02
9M31339.D	AC56381-002(R)	12/29/10 11:25
9M31340.D	AC56495-001(50X)	12/29/10 11:48
9M31341.D	AC56495-002(50X)	12/29/10 12:11
9M31342.D	AC56425-006	12/29/10 12:34
9M31343.D	AC56425-009	12/29/10 12:57
9M31344.D	AC56344-002(3X)	12/29/10 13:20
9M31345.D	AC56495-001(50X)	12/29/10 13:43
9M31346.D	AC56495-001(50X)	12/29/10 14:06
9M31347.D	AC56500-001(10X)	12/29/10 14:29
9M31348.D	AC56500-002	12/29/10 14:52
9M31349.D	WMB4133	12/29/10 15:16
9M31350.D	WMB4136	12/29/10 15:39
9M31351.D	AC56495-001(20X)	12/29/10 16:02
9M31352.D	AC56495-002(20X)	12/29/10 16:25
9M31353.D	AC56526-010	12/29/10 16:48
9M31354.D	AC56526-011(10X)	12/29/10 17:11
9M31355.D	AC56526-012	12/29/10 17:34
9M31356.D	AC56526-013	12/29/10 17:57
9M31357.D	AC56495-001(T)	12/29/10 18:20
9M31358.D	AC56495-002(T)	12/29/10 18:43
9M31359.D	TEST	12/29/10 19:06
9M31360.D	TEST	12/29/10 19:28
9M31361.D	TEST	12/29/10 19:51
9M31362.D	TEST	12/29/10 20:14

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M18681.D
Analysis Date: 12/30/10 09:37
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.887 to 9.893 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.2	8004	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.5	8840	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.4	8833	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	19441	PASS
199	198	5	9	6.7	1297	PASS
275	198	10	30	29.7	5778	PASS
365	198	1	100	4.1	791	PASS
441	443	0.01	100	83.3	2837	PASS
442	198	40	100	88.6	17225	PASS
443	442	17	23	19.8	3406	PASS

Data File	Sample Number	Analysis Date:
10M18682.D	CAL BNA@50PPM	12/30/10 09:59
10M18683.D	WMB4148	12/30/10 10:23
10M18684.D	OMB4146	12/30/10 10:45
10M18685.D	SMB4147	12/30/10 11:08
10M18686.D	WMB4148(MS)	12/30/10 11:34
10M18687.D	OMB4146(MS)	12/30/10 12:09
10M18688.D	EF-DI H2O(12/23)	12/30/10 12:32
10M18689.D	AC56547-004	12/30/10 12:55
10M18690.D	AC56547-004(MS)	12/30/10 13:18
10M18691.D	AC56547-004(MSD	12/30/10 13:41
10M18692.D	AC56547-003	12/30/10 14:04
10M18693.D	AC56547-001	12/30/10 14:26
10M18694.D	AC56547-002	12/30/10 14:49
10M18695.D	AC56528-001	12/30/10 15:12
10M18696.D	AC56528-002	12/30/10 15:35
10M18697.D	AC56526-014	12/30/10 15:57
10M18698.D	AC56551-001	12/30/10 16:20
10M18699.D	AC56551-002	12/30/10 16:43
10M18700.D	AC56547-002	12/30/10 17:06
10M18701.D	AC56528-002	12/30/10 17:29
10M18702.D	AC56536-001	12/30/10 17:52
10M18703.D	AC56536-004	12/30/10 18:15

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M31001.D Method: EPA 8270C

Analysis Date/Time: 12/13/10 14:43

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	49144	5.42	190376	6.44	118341	7.81	206585	9.23	186095	12.26	155032	13.85
Eval File Area Limit:	24572-98288		95188-380752		59170-236682		103292-413170		93048-372190		77516-310064	
Eval File Rt Limit:	4.92-5.92		5.94-6.94		7.31-8.309999		8.73-9.73		11.76-12.76		13.35-14.35	

Data File	Sample											
9M30991.D	BNA@50PP	48545	5.42	185644	6.44	108444	7.81	184881	9.23	176822	12.25	149409	13.84
9M30992.D	CAL BNA@1S	47964	5.42	189073	6.44	118235	7.82	202508	9.23	176423	12.26	140470	13.86
9M30993.D	CAL BNA@1E	46093	5.42	179656	6.44	109217	7.81	191208	9.23	171088	12.26	138636	13.85
9M30995.D	CAL BNA@8C	52615	5.42	213738	6.44	119391	7.81	201190	9.23	169206	12.26	137863	13.85
9M30997.D	CAL BNA@2C	48053	5.42	195055	6.44	116219	7.81	200765	9.22	187422	12.25	159624	13.84
9M30998.D	CAL BNA@1C	49498	5.42	202007	6.43	122159	7.81	204620	9.22	191836	12.25	163733	13.84
9M30999.D	CAL BNA@0.	44764	5.42	182847	6.43	107184	7.81	185945	9.22	169823	12.25	153625	13.85
9M31000.D	CAL BNA@2F	46414	5.42	187462	6.43	116162	7.81	191632	9.22	183519	12.25	161703	13.85
9M31001.D	CAL BNA@5C	49144	5.42	190376	6.44	118341	7.81	206585	9.23	186095	12.26	155032	13.85
9M31002.D	CAL BNA@12	51309	5.42	191019	6.44	116379	7.81	194631	9.23	171955	12.26	142555	13.85
9M31003.D	ICV BNA@50	51794	5.42	204383	6.44	121846	7.81	202497	9.23	183516	12.25	154156	13.84
9M31004.D	SMB2779	52971	5.42	202446	6.44	120010	7.81	201603	9.23	162371	12.25	138223	13.85

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M18328.D Method: EPA 8270C

Analysis Date/Time: 12/14/10 09:54

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	28764	5.78	104249	6.78	65003	8.21	115124	9.66	109417	12.70	96663	14.31
Eval File Area Limit:	14382-57528		52124-208498		32502-130006		57562-230248		54708-218834		48332-193326	
Eval File Rt Limit:	5.28-6.28		6.28-7.28		7.71-8.71		9.16-10.16		12.2-13.2		13.81-14.81	

Data File	Sample											
10M18328.	CAL BNA@5C	28764	5.78	104249	6.78	65003	8.21	115124	9.66	109417	12.70	96663	14.31
10M18329.	CAL BNA@1S	28679	5.78	106025	6.79	63611	8.21	113107	9.66	109596	12.71	95220	14.31
10M18330.	CAL BNA@1E	28020	5.78	98698	6.79	61153	8.21	108507	9.66	103629	12.71	91303	14.31
10M18331.	CAL BNA@12	30626	5.78	109701	6.79	65156	8.21	117934	9.66	111673	12.71	99520	14.31
10M18332.	CAL BNA@8C	28010	5.78	102081	6.79	62742	8.21	107667	9.66	102133	12.70	92476	14.31
10M18333.	CAL BNA@2C	26689	5.78	98079	6.79	59850	8.20	108325	9.66	102669	12.70	96644	14.31
10M18334.	CAL BNA@1C	30032	5.78	108512	6.78	67603	8.21	121044	9.66	113139	12.70	105505	14.31
10M18335.	CAL BNA@0.	29480	5.78	104704	6.78	64447	8.20	116220	9.66	108770	12.70	101178	14.31
10M18336.	CAL BNA@2F	29221	5.78	105866	6.79	66909	8.20	117238	9.66	106420	12.70	91617	14.31
10M18337.	ICV BNA@50	29965	5.78	108683	6.79	67387	8.21	120858	9.66	115881	12.70	102763	14.31

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M63646.D Method: EPA 8270C

Analysis Date/Time: 12/23/10 12:55

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	87645	5.77	347791	6.78	174895	8.21	280925	9.67	218841	12.73	175305	14.34
Eval File Area Limit:	43822-175290		173896-695582		87448-349790		140462-561850		109420-437682		87652-350610	
Eval File Rt Limit:	5.27-6.27		6.28-7.28		7.71-8.71		9.17-10.17		12.23-13.23		13.84-14.84	

Data File	Sample											
5M63637.D	CAL BNA@19	108761	5.77	419806	6.78	211886	8.21	341955	9.68	240598	12.74	202950	14.35
5M63638.D	CAL BNA@16	103004	5.77	403852	6.78	204662	8.21	330406	9.67	246034	12.74	209830	14.35
5M63639.D	CAL BNA@12	99002	5.77	392519	6.78	195844	8.21	326865	9.67	254092	12.73	217705	14.35
5M63640.D	CAL BNA@8C	102067	5.77	399541	6.78	203246	8.21	334700	9.67	253341	12.73	213150	14.35
5M63642.D	CAL BNA@2C	108717	5.77	428388	6.78	213441	8.21	346530	9.67	255575	12.73	210202	14.34
5M63643.D	CAL BNA@1C	103867	5.77	409806	6.78	206563	8.21	339132	9.67	258337	12.73	210562	14.34
5M63645.D	CAL BNA@2F	106995	5.77	422455	6.77	205983	8.21	347843	9.67	245557	12.73	205407	14.34
5M63646.D	CAL BNA@5C	87645	5.77	347791	6.78	174895	8.21	280925	9.67	218841	12.73	175305	14.34
5M63647.D	CAL BNA@0.	99035	5.77	382543	6.78	187039	8.21	312773	9.67	233615	12.73	196411	14.35
5M63648.D	ICV BNA@50	113710	5.77	449563	6.78	224960	8.21	367655	9.67	274819	12.73	218599	14.35
5M63649.D	WMB2794	105222	5.77	412128	6.78	207136	8.21	343083	9.66	263436	12.73	225109	14.34

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M63698.D Method: EPA 8270C

Analysis Date/Time: 12/29/10 10:16

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	111781	5.77	441371	6.77	223349	8.21	358897	9.66	274470	12.73	230177	14.34
Eval File Area Limit:	55890-223562		220686-882742		111674-446698		179448-717794		137235-548940		115088-460354	
Eval File Rt Limit:	5.27-6.27		6.27-7.27		7.71-8.71		9.16-10.16		12.23-13.23		13.84-14.84	

Data File	Sample											
5M63697.D	BNA@50PPM	119574	5.77	471050	6.78	245473	8.21	396155	9.67	310537	12.73	266987	14.34
5M63699.D	TEST33	96873	5.77	377732	6.77	187717	8.20	309334	9.67	249215	12.73	208199	14.34
5M63700.D	WMB4133(MS	100418	5.77	393071	6.77	200095	8.20	322562	9.66	257307	12.73	207439	14.34
5M63701.D	WMB4133	65642	5.76	251650	6.77	124922	8.20	214201	9.66	154911	12.72	126561	14.34
5M63702.D	AC56464-001(	79177	5.76	315217	6.77	156064	8.20	262747	9.67	191566	12.72	160504	14.34
5M63703.D	AC56464-001(	84915	5.77	336693	6.77	167901	8.20	277101	9.67	202921	12.73	171093	14.34
5M63704.D	WMB4136(MS	89587	5.77	343830	6.77	174601	8.20	286368	9.67	226241	12.73	186658	14.34
5M63705.D	WMB4136	76206	5.76	296077	6.77	145254	8.20	242906	9.67	173998	12.72	142440	14.34
5M63706.D	AC56464-001(	80496	5.76	312624	6.77	158024	8.20	261467	9.67	197676	12.73	163736	14.34
5M63707.D	AC56464-002(	79130	5.76	294778	6.77	150558	8.20	247536	9.67	174247	12.72	139775	14.34
5M63708.D	AC56464-003(	84403	5.76	325091	6.77	165910	8.20	270943	9.67	191368	12.72	158174	14.34
5M63709.D	AC56498-001	69725	5.76	270192	6.77	135670	8.20	223909	9.67	160723	12.72	130581	14.34
5M63710.D	AC56498-001(	87639	5.77	342123	6.77	170468	8.20	283185	9.66	216691	12.73	178152	14.34
5M63711.D	AC56498-001(	83771	5.76	328749	6.77	164846	8.20	268259	9.67	208958	12.73	172593	14.34
5M63713.D	AC56475-004(	102340	5.76	394407	6.77	197922	8.20	322676	9.67	233590	12.72	196601	14.34
5M63714.D	AC56491-001	100997	5.76	391617	6.77	200976	8.20	324556	9.66	238842	12.72	197012	14.34

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M31336.D Method: EPA 8270C

Analysis Date/Time: 12/29/10 10:14

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	61510	5.28	238315	6.31	132946	7.66	230621	9.06	204499	12.06	181353	13.66
Eval File Area Limit:	30755-123020		119158-476630		66473-265892		115310-461242		102250-408998		90676-362706	
Eval File Rt Limit:	4.78-5.78		5.81-6.81		7.16-8.16		8.56-9.56		11.56-12.56		13.16-14.16	

Data File	Sample											
9M31337.D	SMB4129(MS.	90259	5.29	329277	6.31	169890	7.66	265779	9.06	197882	12.06	164155	13.66
9M31338.D	AC56495-001(	65514	5.28	232530	6.32	135562	7.67	201923	9.07	160118	12.08	144236	13.67
9M31339.D	AC56381-002(	71147	5.28	264922	6.30	143665	7.66	213423	9.06	153893	12.06	132797	13.66
9M31340.D	AC56495-001(	66214	5.28	259245	6.31	155638	7.66	238197	9.06	196000	12.06	157602	13.66
9M31341.D	AC56495-002(	68733	5.28	269003	6.31	157523	7.66	240321	9.06	200701	12.06	167300	13.66
9M31342.D	AC56425-006	74938	5.29	258096	6.31	136963	7.68	195960	9.08	162484	12.07	146086	13.66
9M31343.D	AC56425-009	77686	5.29	268297	6.31	139973	7.67	198686	9.07	155840	12.06	138551	13.66
9M31344.D	AC56344-002(	58550	5.28	227976	6.30	132714	7.66	222645	9.06	167101	12.06	146857	13.66
9M31345.D	AC56495-001(	66327	5.28	260618	6.31	156987	7.66	239902	9.06	196924	12.06	160741	13.66
9M31346.D	AC56495-001(	81634	5.28	341289	6.31	208905	7.66	326813	9.06	277664	12.06	229822	13.66
9M31349.D	WMB4133	57563	5.28	221306	6.30	125244	7.66	206117	9.06	170853	12.06	143715	13.65
9M31350.D	WMB4136	56786	5.28	218036	6.30	124694	7.66	207666	9.06	172250	12.06	147254	13.65
9M31351.D	AC56495-001(	68371	5.28	264153	6.30	155072	7.66	257472	9.06	213114	12.06	175023	13.65
9M31352.D	AC56495-002(	62956	5.28	250498	6.30	146395	7.66	237880	9.06	202797	12.06	171682	13.65
9M31357.D	AC56495-001(	48351	5.28	196124	6.30	111953	7.66	187882	9.06	161154	12.06	132558	13.65
9M31358.D	AC56495-002(	56642	5.28	228322	6.30	129427	7.66	219517	9.06	172580	12.06	140879	13.65
9M31359.D	TEST	55524	5.28	212708	6.31	120365	7.66	206072	9.06	187343	12.06	158311	13.66
9M31360.D	TEST	61857	5.28	245699	6.31	138834	7.66	237739	9.06	194056	12.06	168162	13.65
9M31361.D	TEST	59982	5.28	228091	6.31	136513	7.66	228438	9.06	187291	12.06	161765	13.65
9M31362.D	TEST	64882	5.28	241527	6.31	134131	7.66	234743	9.06	189796	12.06	163854	13.65

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M18682.D Method: EPA 8270C

Analysis Date/Time: 12/30/10 09:59

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	27178	5.73	97130	6.74	59050	8.15	107791	9.60	101188	12.64	86710	14.24
Eval File Area Limit:	13589-54356		48565-194260		29525-118100		53896-215582		50594-202376		43355-173420	
Eval File Rt Limit:	5.23-6.23		6.24-7.24		7.65-8.65		9.1-10.1		12.14-13.14		13.74-14.74	
Data File Sample												
10M18683. WMB4148	24537	5.73	87588	6.74	53199	8.15	94129	9.60	92045	12.64	86718	14.24
10M18684. OMB4146	22517	5.73	82448	6.74	49848	8.15	93572	9.60	91381	12.64	86332	14.24
10M18685. SMB4147	31020	5.73	107522	6.74	64310	8.15	110380	9.60	99257	12.64	85903	14.24
10M18686. WMB4148(MS	23309	5.73	82410	6.74	48976	8.15	87885	9.60	85615	12.64	73722	14.24
10M18687. OMB4146(MS	25893	5.73	93817	6.74	57594	8.15	103934	9.60	103685	12.64	94591	14.24
10M18688. EF-DI H2O(12	27082	5.73	97033	6.74	60015	8.15	111571	9.60	111382	12.63	101860	14.24
10M18690. AC56547-004(	26758	5.73	94046	6.74	57088	8.15	103699	9.60	98452	12.64	88941	14.24
10M18691. AC56547-004(	26523	5.73	93458	6.74	56961	8.15	102926	9.60	100191	12.64	90494	14.24

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

SPLP
GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-001(T)
Client Id: PJ Baseline-1
Data File: 9M31357.D
Analysis Date: 12/29/10 18:20
Date Rec/Extracted: 12/22/10-12/29/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.00012	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.00024**	**0.00051 J**
95-95-4	2,4,5-Trichlorophenol	0.0018	U	65-85-0	Benzoic Acid	0.0020	U
88-06-2	2,4,6-Trichlorophenol	0.00090	U	111-91-1	bis(2-Chloroethoxy)methan	0.00013	U
120-83-2	2,4-Dichlorophenol	0.00061	U	111-44-4	bis(2-Chloroethyl)ether	0.00027	U
105-67-9	**2,4-Dimethylphenol**	**0.00070**	**0.0017 J**	108-60-1	bis(2-chloroisopropyl)ether	0.00025	U
51-28-5	2,4-Dinitrophenol	0.0011	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.00022	U
121-14-2	2,4-Dinitrotoluene	0.00021	U	85-68-7	Butylbenzylphthalate	0.00015	U
606-20-2	2,6-Dinitrotoluene	0.00032	U	86-74-8	Carbazole	0.00015	U
91-58-7	2-Chloronaphthalene	0.00019	U	**218-01-9**	**Chrysene**	**0.00016**	**0.00042 J**
95-57-8	2-Chlorophenol	0.00075	U	53-70-3	Dibenzo[a,h]anthracene	0.00018	U
91-57-6	**2-Methylnaphthalene**	**0.00079**	**0.016**	132-64-9	Dibenzofuran	0.0011	U
95-48-7	2-Methylphenol	0.0020	U	84-66-2	Diethylphthalate	0.00019	U
88-74-4	2-Nitroaniline	0.00083	U	131-11-3	Dimethylphthalate	0.00018	U
88-75-5	2-Nitrophenol	0.00058	U	84-74-2	Di-n-butylphthalate	0.00019	U
106-44-5	3&4-Methylphenol	0.0018	U	117-84-0	Di-n-octylphthalate	0.00020	U
91-94-1	3,3'-Dichlorobenzidine	0.00091	U	206-44-0	Fluoranthene	0.00014	U
99-09-2	3-Nitroaniline	0.0019	U	**86-73-7**	**Fluorene**	**0.00020**	**0.0016 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.00059	U	118-74-1	Hexachlorobenzene	0.00027	U
101-55-3	4-Bromophenyl-phenylether	0.00022	U	87-68-3	Hexachlorobutadiene	0.00028	U
59-50-7	4-Chloro-3-methylphenol	0.00058	U	77-47-4	Hexachlorocyclopentadiene	0.00083	U
106-47-8	4-Chloroaniline	0.0011	U	67-72-1	Hexachloroethane	0.00034	U
7005-72-3	4-Chlorophenyl-phenylether	0.00024	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.00013**	**0.00058 J**
100-01-6	4-Nitroaniline	0.0016	U	78-59-1	Isophorone	0.00015	U
100-02-7	4-Nitrophenol	0.00050	U	**91-20-3**	**Naphthalene**	**0.00016**	**0.10**
83-32-9	**Acenaphthene**	**0.00021**	**0.0065**	98-95-3	Nitrobenzene	0.00032	U
208-96-8	**Acenaphthylene**	**0.00014**	**0.0022**	62-75-9	N-Nitrosodimethylamine	0.0015	U
62-53-3	Aniline	0.00062	U	621-64-7	N-Nitroso-di-n-propylamine	0.00027	U
120-12-7	**Anthracene**	**0.00034**	**0.00045 J**	86-30-6	n-Nitrosodiphenylamine	0.00029	U
92-87-5	Benzidine	0.0059	U	87-86-5	Pentachlorophenol	0.0011	U
56-55-3	**Benzo[a]anthracene**	**0.00013**	**0.00028 J**	**85-01-8**	**Phenanthrene**	**0.00015**	**0.0014 J**
50-32-8	**Benzo[a]pyrene**	**0.00017**	**0.0011 J**	**108-95-2**	**Phenol**	**0.00065**	**0.0010 J**
205-99-2	**Benzo[b]fluoranthene**	**0.000097**	**0.00059 J**	129-00-0	Pyrene	0.00013	U
191-24-2	**Benzo[g,h,i]perylene**	**0.00017**	**0.00078 J**				

Worksheet #: 182509

Total Target Concentration 0.14

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

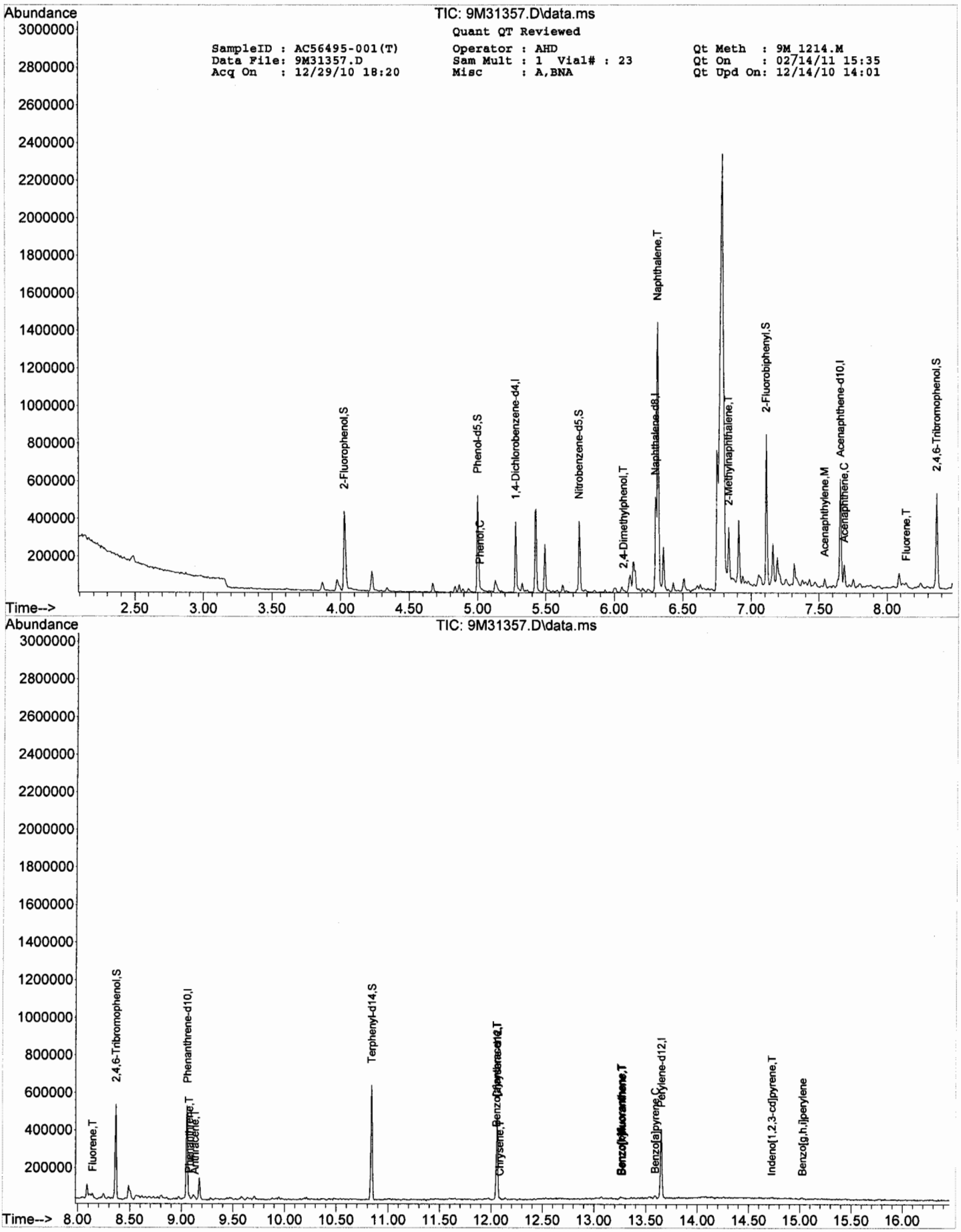
Quantitation Report (QT Reviewed)

SampleID : AC56495-001(T) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31357.D Sam Mult : 1 Vial# : 23 Qt On : 02/14/11 15:35
Acq On : 12/29/10 18:20 Misc : A,BNA Qt Upd On: 12/14/10 14:01

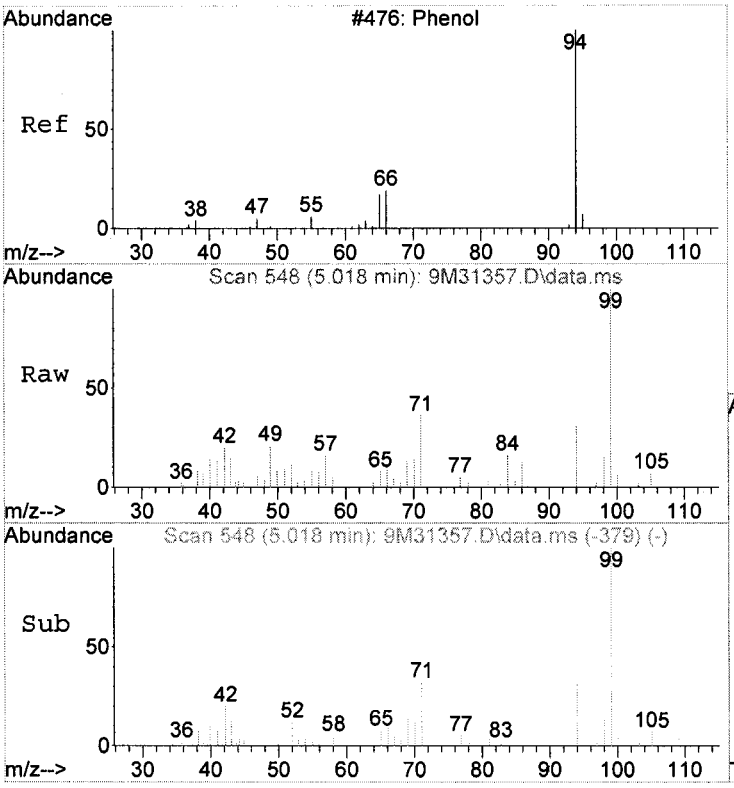
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	48351	40.00	ng	-0.14
29) Naphthalene-d8	6.302	136	196124	40.00	ng	-0.14
47) Acenaphthene-d10	7.660	164	111953	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	187882	40.00	ng	-0.17
88) Chrysene-d12	12.057	240	161154	40.00	ng	-0.20
100) Perylene-d12	13.651	264	132558	40.00	ng	-0.20
System Monitoring Compounds						
10) 2-Fluorophenol	4.028	112	130865	76.52	ng	-0.14
Spiked Amount 100.000			Recovery = 76.52%			
15) Phenol-d5	5.002	99	156212	65.80	ng	-0.11
Spiked Amount 100.000			Recovery = 65.80%			
30) Nitrobenzene-d5	5.745	128	43478	51.58	ng	-0.13
Spiked Amount 50.000			Recovery = 103.16%			
52) 2-Fluorobiphenyl	7.115	172	184437	54.19	ng	-0.14
Spiked Amount 50.000			Recovery = 108.38%			
77) 2,4,6-Tribromophenol	8.366	330	33559	118.40	ng	-0.16
Spiked Amount 100.000			Recovery = 118.40%			
91) Terphenyl-d14	10.837	244	178087	58.68	ng	-0.18
Spiked Amount 50.000			Recovery = 117.36%			
Target Compounds						Qvalue
16) Phenol	5.018	94	2695	1.03	ng	82
34) 2,4-Dimethylphenol	6.066	107	3036	1.68	ng	78
39) Naphthalene	6.323	128	556056	100.34	ng	99
44) 2-Methylnaphthalene	6.836	142	57377	15.76	ng	94
59) Acenaphthylene	7.542	152	11089	2.16	ng	94
62) Acenaphthene	7.687	153	19645	6.46	ng	99
69) Fluorene	8.141	166	5950	1.58	ng	87
83) Phenanthrene	9.078	178	7130	1.36	ng	94
84) Anthracene	9.131	178	2382	0.45	ng	84
97) Benzo[a]anthracene	12.051	228	1314m	0.28	ng	
98) Chrysene	12.083	228	1866	0.42	ng	93
102) Benzo[b]fluoranthene	13.260	252	2318m	0.59	ng	
103) Benzo[k]fluoranthene	13.271	252	1925m	0.51	ng	
104) Benzo[a]pyrene	13.592	252	4216	1.13	ng	93
105) Indeno[1,2,3-cd]pyrene	14.726	276	2075	0.58	ng	53
107) Benzo[g,h,i]perylene	15.025	276	2397	0.78	ng	76

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


Abundance
TIC: 9M31357.D\data.ms
Quant QT Reviewed
SampleID : AC56495-001(T)
Data File: 9M31357.D
Acq On : 12/29/10 18:20
Operator : AHD
Sam Mult : 1 Vial# : 23
Misc : A,BNA
Qt Meth : 9M_1214.M
Qt On : 02/14/11 15:35
Qt Upd On: 12/14/10 14:01
2-Fluorophenol,S
Phenol-d5,S
Phenol,C
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Time-->

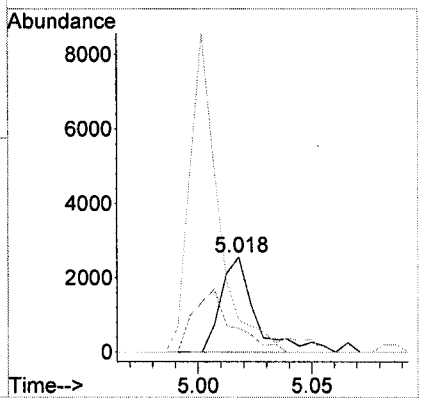
Abundance
TIC: 9M31357.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene,C
Perylene-d12,I
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

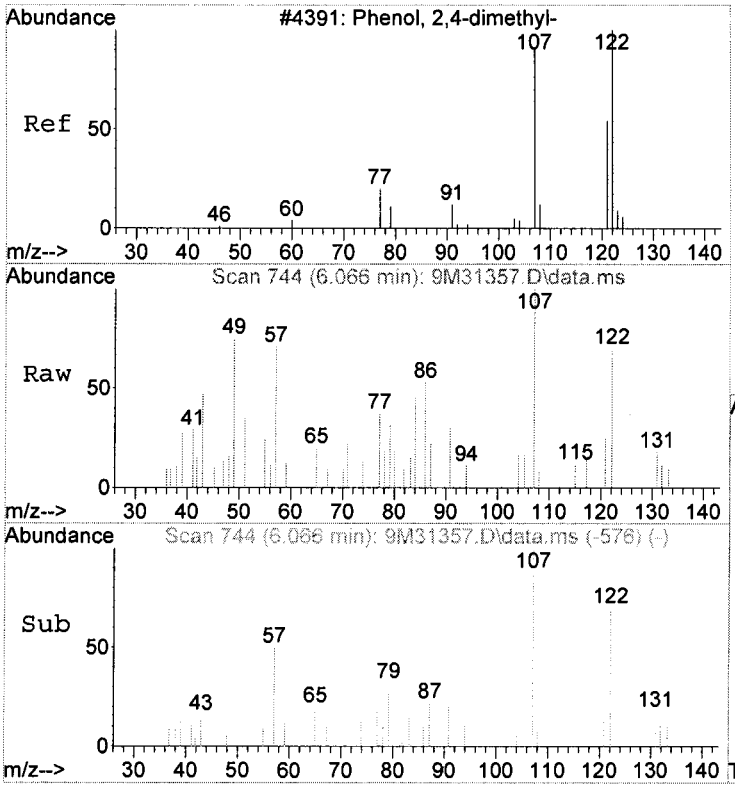


#16
Phenol
Concen: 1.03 ng
RT: 5.018 min Scan# 548
Delta R.T. -0.109 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion: 94 Resp: 2695

Ion	Ratio	Lower	Upper
94	100		
65	24.9	0.0	104.1
66	33.5	0.0	154.0

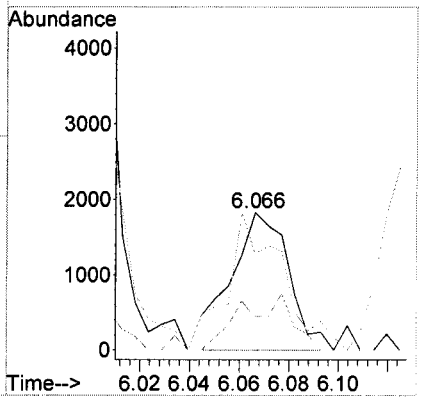


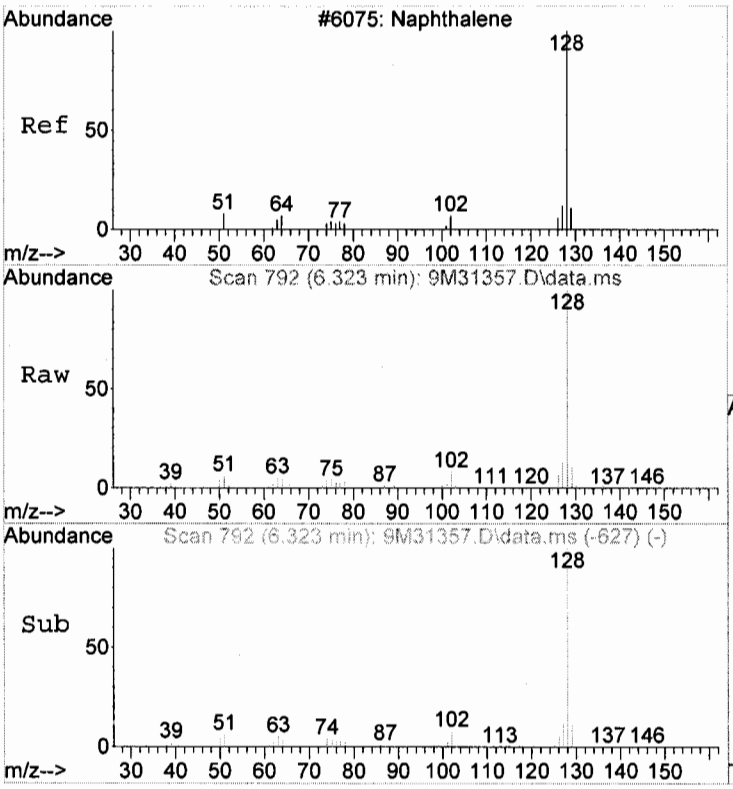


#34
2,4-Dimethylphenol
Concen: 1.68 ng
RT: 6.066 min Scan# 744
Delta R.T. -0.119 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:107 Resp: 3036

Ion	Ratio	Lower	Upper
107	100		
121	24.5	6.5	86.5
122	70.1	43.9	123.9

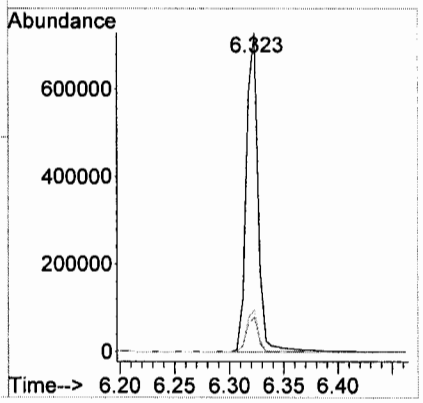


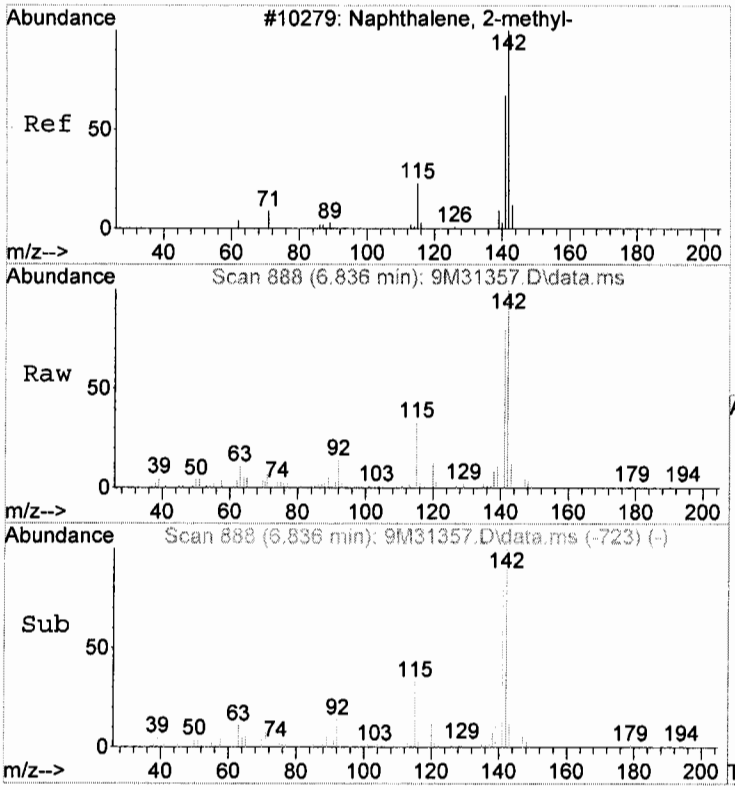


#39
Naphthalene
Concen: 100.34 ng
RT: 6.323 min Scan# 792
Delta R.T. -0.130 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:128 Resp: 556056

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	50.9
127	13.0	0.0	52.4

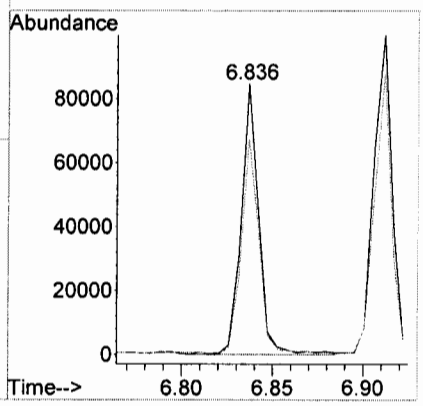


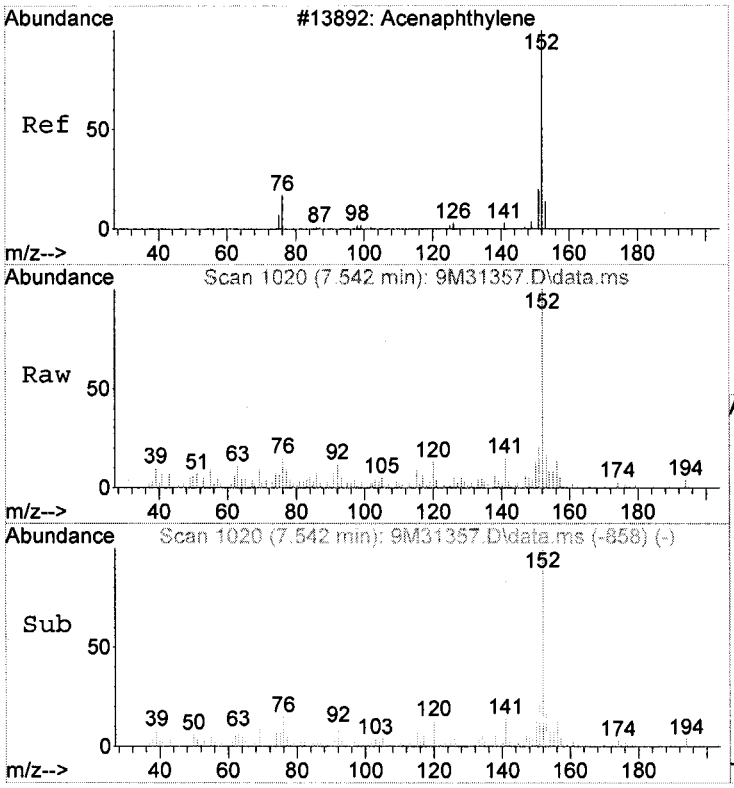


#44
2-Methylnaphthalene
Concen: 15.76 ng
RT: 6.836 min Scan# 888
Delta R.T. -0.135 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:142 Resp: 57377

Ion	Ratio	Lower	Upper
142	100		
141	79.6	44.6	124.6

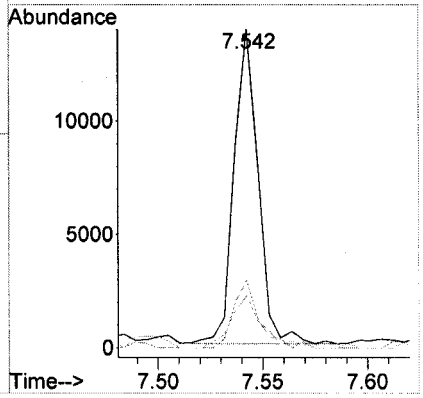


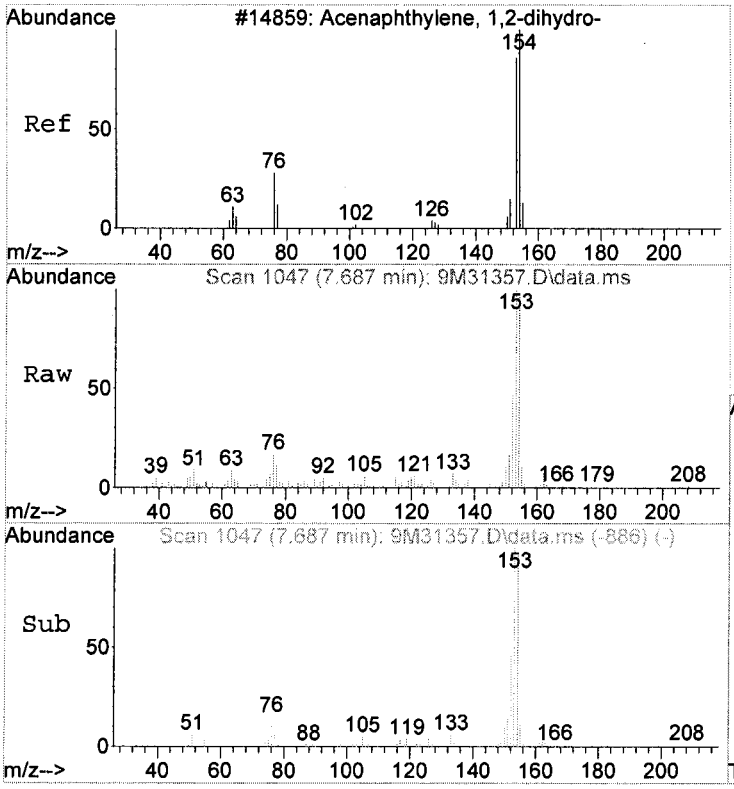


#59
Acenaphthylene
Concen: 2.16 ng
RT: 7.542 min Scan# 1020
Delta R.T. -0.152 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:152 Resp: 11089

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	59.2
153	16.7	0.0	53.2

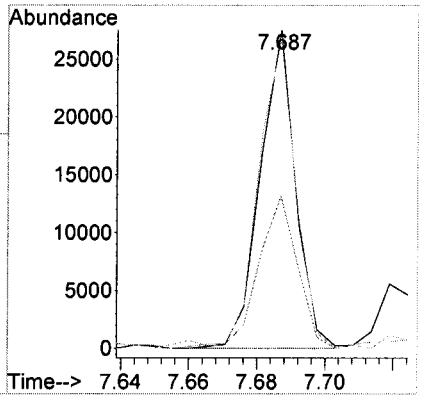


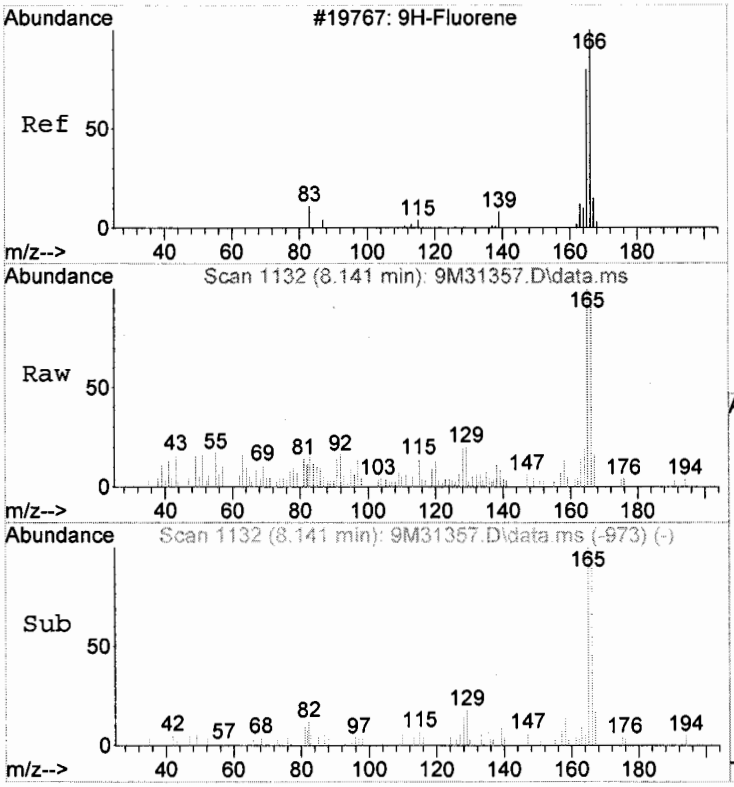


#62
Acenaphthene
Concen: 6.46 ng
RT: 7.687 min Scan# 1047
Delta R.T. -0.152 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:153 Resp: 19645

Ion	Ratio	Lower	Upper
153	100		
152	47.9	10.0	90.0
154	96.9	57.5	137.5

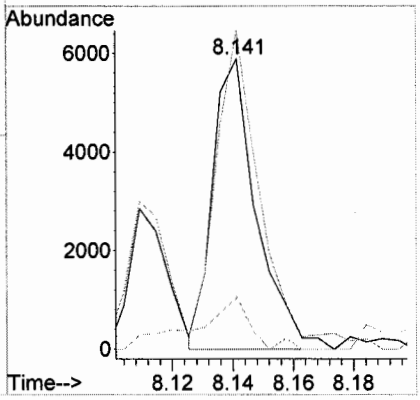


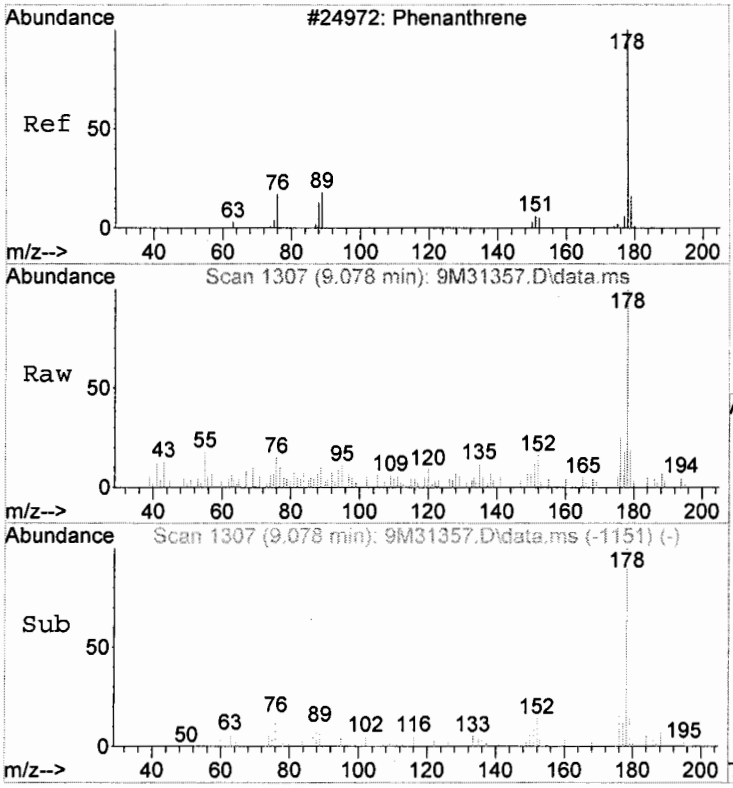


#69
Fluorene
Concen: 1.58 ng
RT: 8.141 min Scan# 1132
Delta R.T. -0.162 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:166 Resp: 5950

Ion	Ratio	Lower	Upper
166	100		
165	105.1	0.0	292.6
167	17.8	0.0	213.2

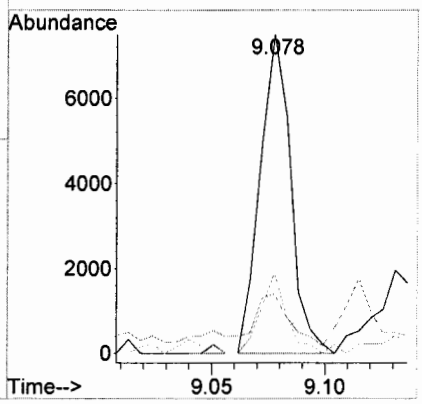


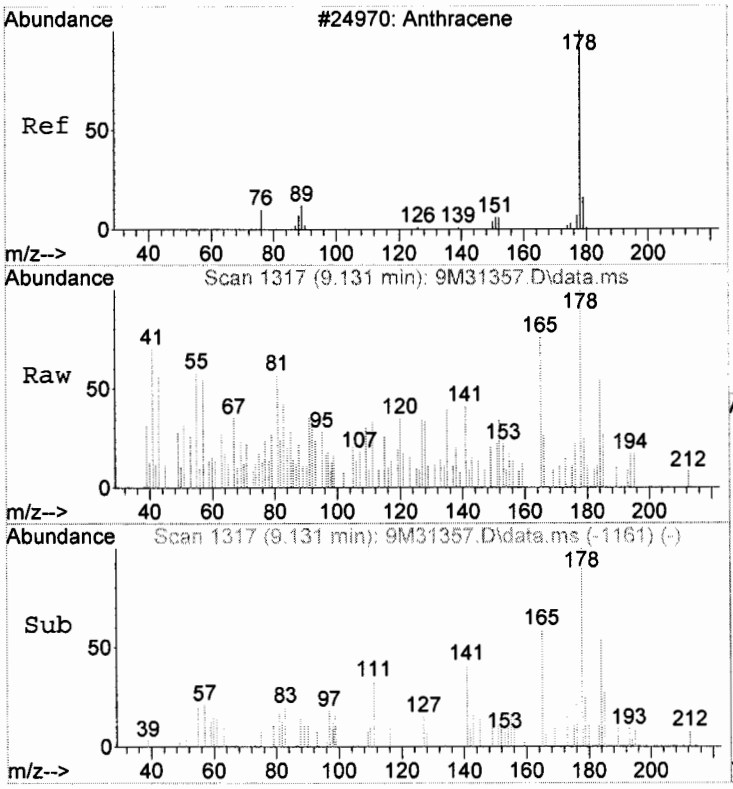


#83
Phenanthrene
Concen: 1.36 ng
RT: 9.078 min Scan# 1307
Delta R.T. -0.178 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:178 Resp: 7130

Ion	Ratio	Lower	Upper
178	100		
179	13.5	0.0	55.5
176	22.5	0.0	59.3

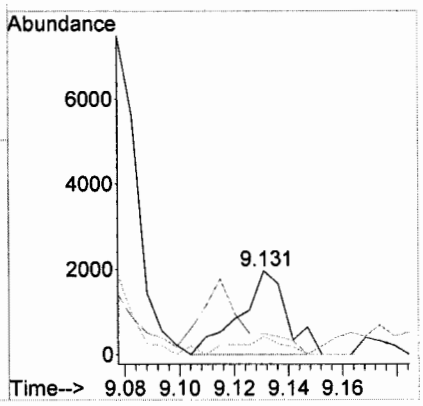


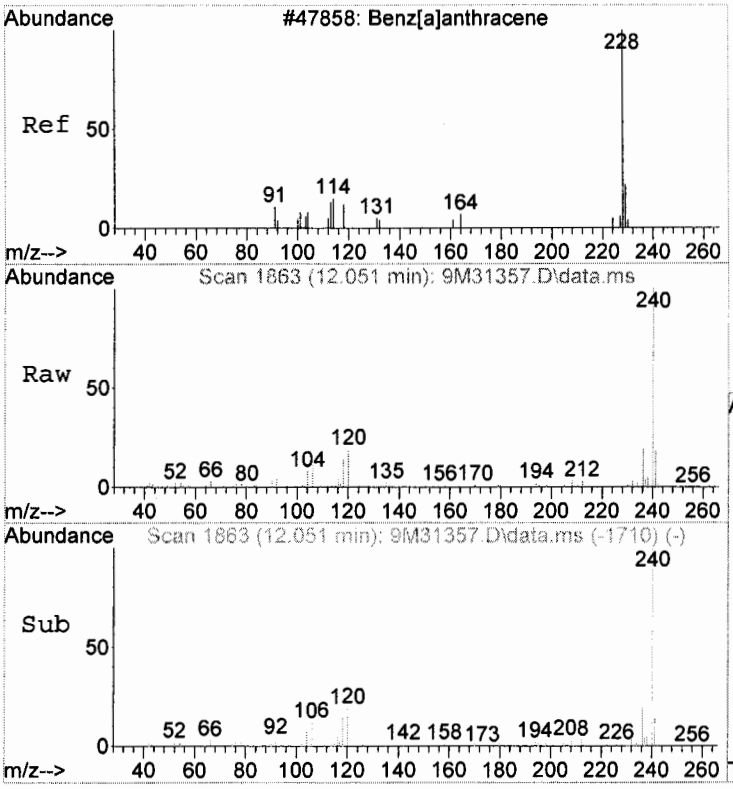


#84
Anthracene
Concen: 0.45 ng
RT: 9.131 min Scan# 1317
Delta R.T. -0.178 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:178 Resp: 2382

Ion	Ratio	Lower	Upper
178	100		
179	4.5	0.0	55.2
176	21.5	0.0	58.1

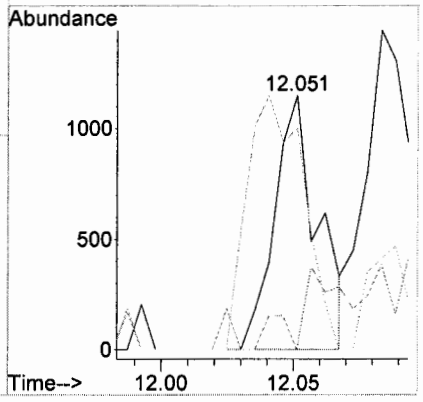


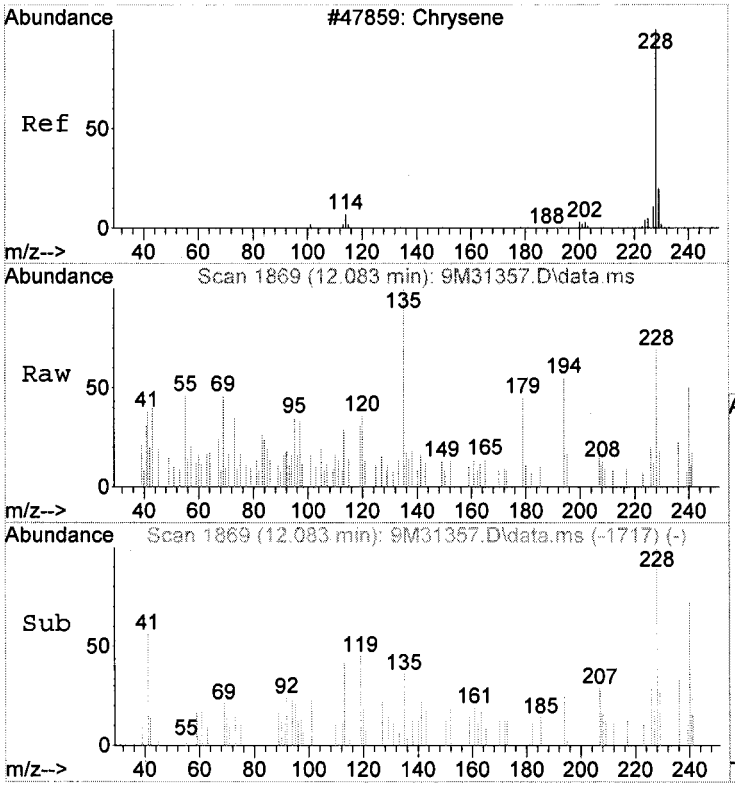


#97
Benzo[a]anthracene
Concen: 0.28 ng m
RT: 12.051 min Scan# 1863
Delta R.T. -0.194 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:228 Resp: 1314

Ion	Ratio	Lower	Upper
228	100		
229	0.0	0.0	59.5
226	64.4	0.0	66.0

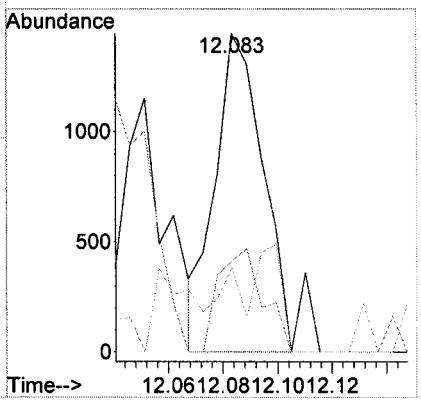


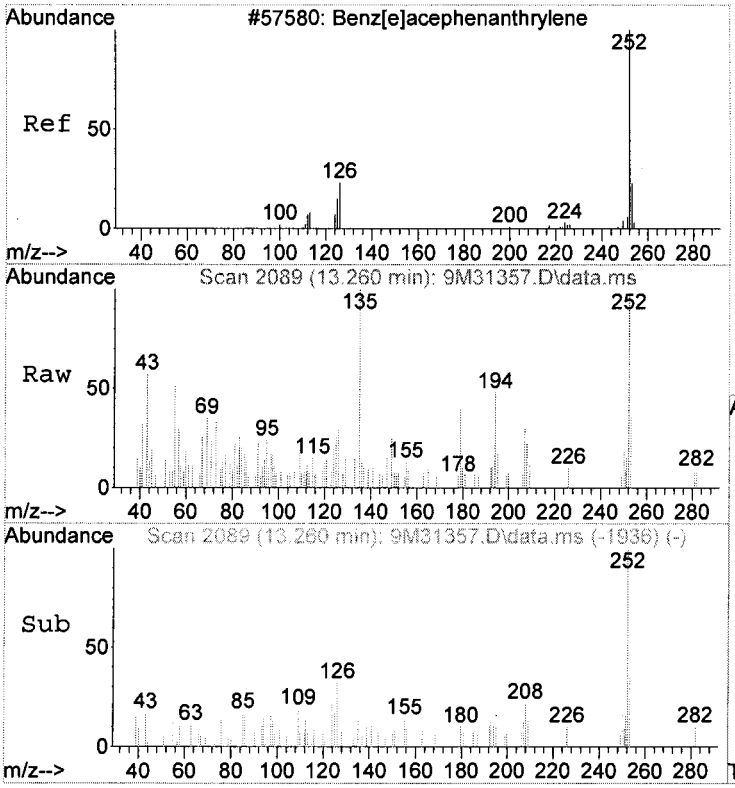


#98
Chrysene
Concen: 0.42 ng
RT: 12.083 min Scan# 1869
Delta R.T. -0.205 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:228 Resp: 1866

Ion	Ratio	Lower	Upper
228	100		
226	28.6	9.5	49.5
229	26.6	0.0	60.2

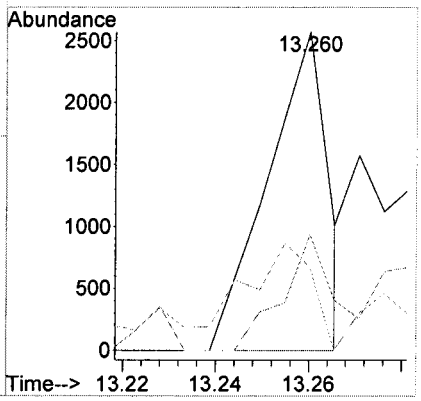


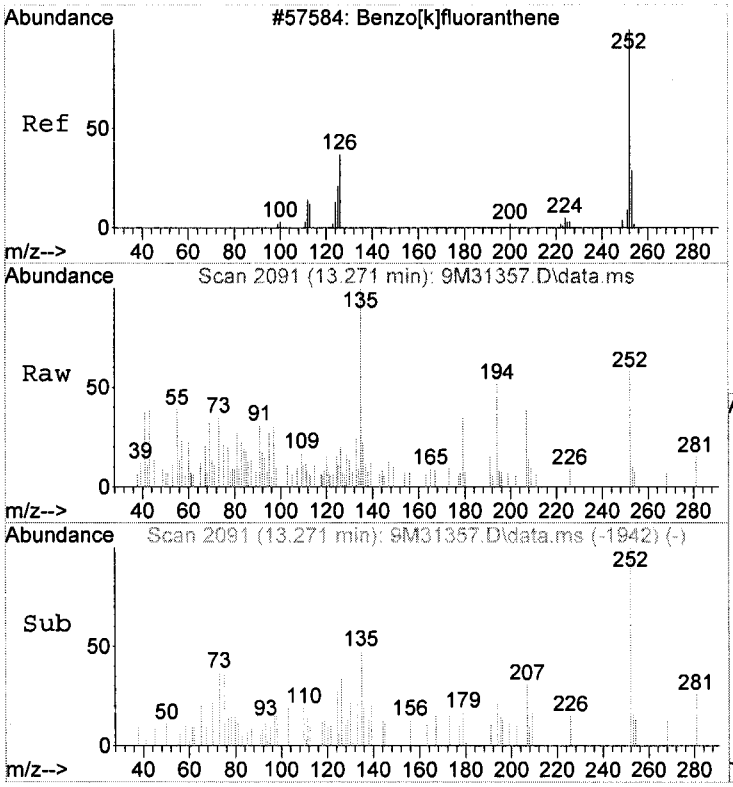


#102
Benzo[b]fluoranthene
Concen: 0.59 ng m
RT: 13.260 min Scan# 2089
Delta R.T. -0.194 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:252 Resp: 2318

Ion	Ratio	Lower	Upper
252	100		
253	36.5	0.0	62.3
125	26.2	0.0	58.4

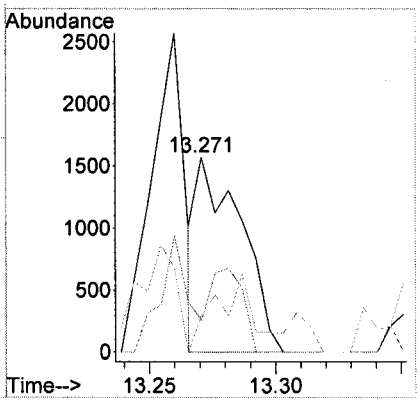


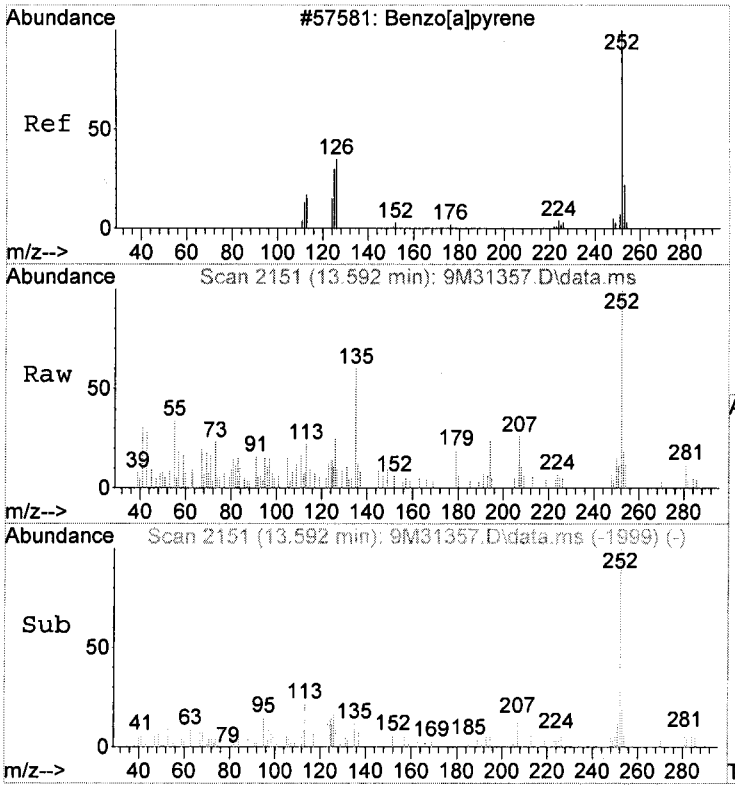


#103
Benzo[k]fluoranthene
Concen: 0.51 ng m
RT: 13.271 min Scan# 2091
Delta R.T. -0.216 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:252 Resp: 1925

Ion	Ratio	Lower	Upper
252	100		
253	16.3	0.0	62.2
125	19.2	0.0	58.9

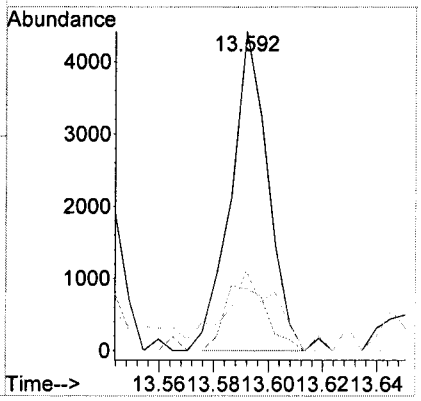


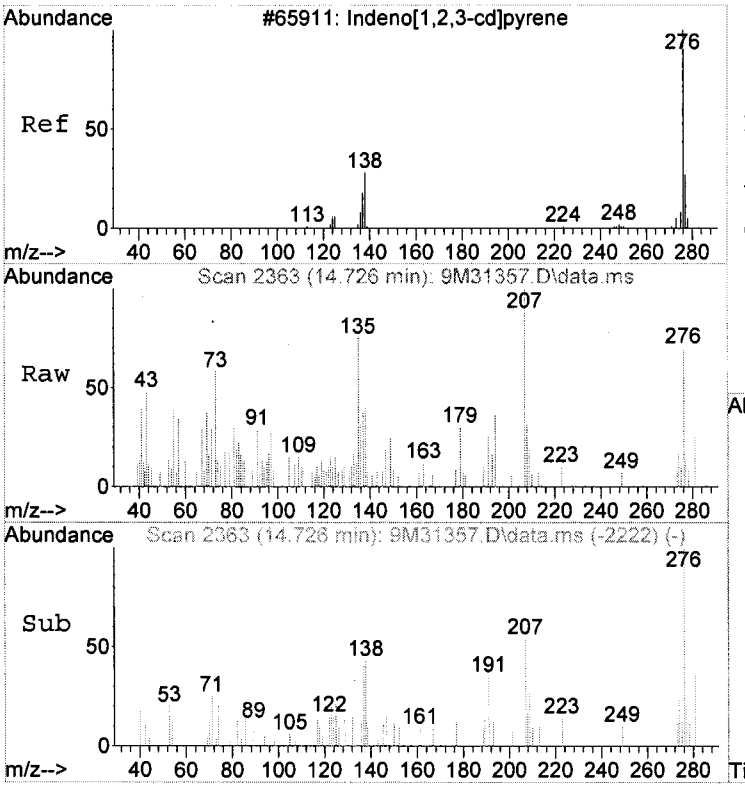


#104
Benzo[a]pyrene
Concen: 1.13 ng
RT: 13.592 min Scan# 2151
Delta R.T. -0.200 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:252 Resp: 4216

Ion	Ratio	Lower	Upper
252	100		
253	19.4	0.0	62.4
125	24.9	0.0	60.9

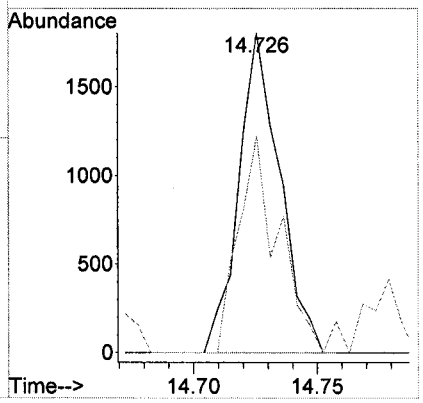


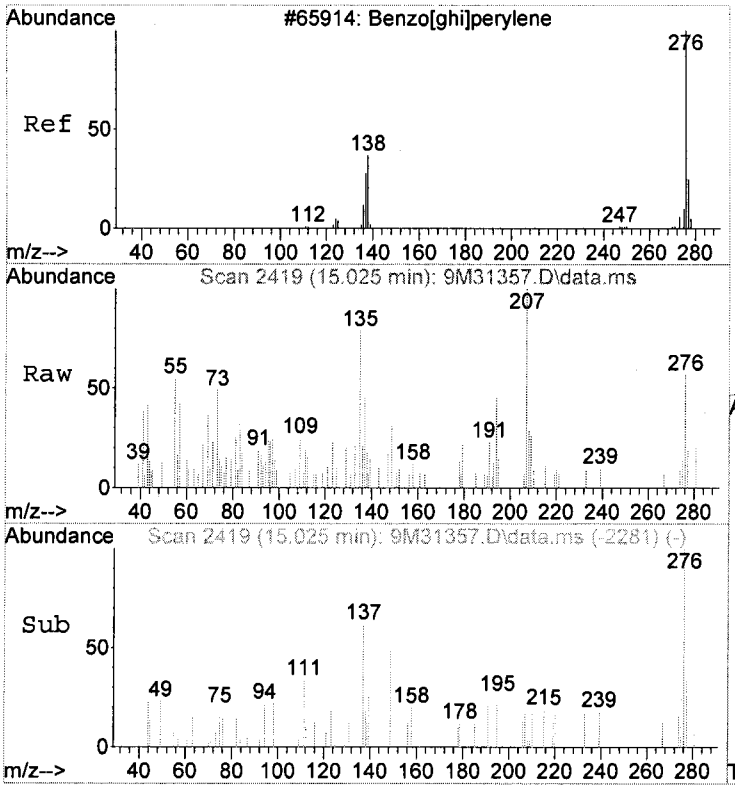


#105
Indeno[1,2,3-cd]pyrene
Concen: 0.58 ng
RT: 14.726 min Scan# 2363
Delta R.T. -0.258 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:276 Resp: 2075

Ion	Ratio	Lower	Upper
276	100		
138	67.7	0.0	78.9

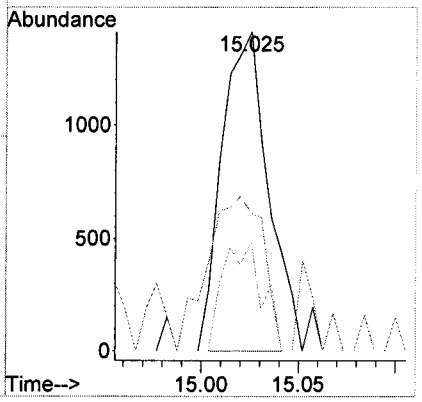




#107
Benzo[g,h,i]perylene
Concen: 0.78 ng
RT: 15.025 min Scan# 2419
Delta R.T. -0.275 min
Lab File: 9M31357.D
Acq: 29 Dec 2010 18:20

Tgt Ion:276 Resp: 2397

Ion	Ratio	Lower	Upper
276	100		
138	57.1	0.0	140.0
277	28.2	0.0	120.0



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC56495-002(T)
Client Id: PJ Baseline-2
Data File: 9M31358.D
Analysis Date: 12/29/10 18:43
Date Rec/Extracted: 12/22/10-12/29/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.00012	U	207-08-9	Benzo[k]fluoranthene	0.00024	U
95-95-4	2,4,5-Trichlorophenol	0.0018	U	65-85-0	Benzoic Acid	0.0020	U
88-06-2	2,4,6-Trichlorophenol	0.00090	U	111-91-1	bis(2-Chloroethoxy)methan	0.00013	U
120-83-2	2,4-Dichlorophenol	0.00061	U	111-44-4	bis(2-Chloroethyl)ether	0.00027	U
105-67-9	**2,4-Dimethylphenol**	**0.00070**	**0.0014 J**	108-60-1	bis(2-chloroisopropyl)ether	0.00025	U
51-28-5	2,4-Dinitrophenol	0.0011	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.00022	U
121-14-2	2,4-Dinitrotoluene	0.00021	U	85-68-7	Butylbenzylphthalate	0.00015	U
606-20-2	2,6-Dinitrotoluene	0.00032	U	86-74-8	Carbazole	0.00015	U
91-58-7	2-Chloronaphthalene	0.00019	U	218-01-9	Chrysene	0.00016	U
95-57-8	2-Chlorophenol	0.00075	U	53-70-3	Dibenzo[a,h]anthracene	0.00018	U
91-57-6	**2-Methylnaphthalene**	**0.00079**	**0.011**	132-64-9	Dibenzofuran	0.0011	U
95-48-7	2-Methylphenol	0.0020	U	84-66-2	Diethylphthalate	0.00019	U
88-74-4	2-Nitroaniline	0.00083	U	131-11-3	Dimethylphthalate	0.00018	U
88-75-5	2-Nitrophenol	0.00058	U	84-74-2	Di-n-butylphthalate	0.00019	U
106-44-5	3&4-Methylphenol	0.0018	U	117-84-0	Di-n-octylphthalate	0.00020	U
91-94-1	3,3'-Dichlorobenzidine	0.00091	U	206-44-0	Fluoranthene	0.00014	U
99-09-2	3-Nitroaniline	0.0019	U	**86-73-7**	**Fluorene**	**0.00020**	**0.0013 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.00059	U	118-74-1	Hexachlorobenzene	0.00027	U
101-55-3	4-Bromophenyl-phenylether	0.00022	U	87-68-3	Hexachlorobutadiene	0.00028	U
59-50-7	4-Chloro-3-methylphenol	0.00058	U	77-47-4	Hexachlorocyclopentadiene	0.00083	U
106-47-8	4-Chloroaniline	0.0011	U	67-72-1	Hexachloroethane	0.00034	U
7005-72-3	4-Chlorophenyl-phenylether	0.00024	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.00013**	**0.00030 J**
100-01-6	4-Nitroaniline	0.0016	U	78-59-1	Isophorone	0.00015	U
100-02-7	4-Nitrophenol	0.00050	U	**91-20-3**	**Naphthalene**	**0.00016**	**0.074**
83-32-9	**Acenaphthene**	**0.00021**	**0.0057**	98-95-3	Nitrobenzene	0.00032	U
208-96-8	**Acenaphthylene**	**0.00014**	**0.0014 J**	62-75-9	N-Nitrosodimethylamine	0.0015	U
62-53-3	Aniline	0.00062	U	621-64-7	N-Nitroso-di-n-propylamine	0.00027	U
120-12-7	Anthracene	0.00034	U	86-30-6	n-Nitrosodiphenylamine	0.00029	U
92-87-5	Benzidine	0.0059	U	87-86-5	Pentachlorophenol	0.0011	U
56-55-3	Benzo[a]anthracene	0.00013	U	**85-01-8**	**Phenanthrene**	**0.00015**	**0.00097 J**
50-32-8	**Benzo[a]pyrene**	**0.00017**	**0.00044 J**	**108-95-2**	**Phenol**	**0.00065**	**0.00078 J**
205-99-2	**Benzo[b]fluoranthene**	**0.000097**	**0.00023 J**	129-00-0	Pyrene	0.00013	U
191-24-2	**Benzo[g,h,i]perylene**	**0.00017**	**0.00039 J**				

Worksheet #: 182509

Total Target Concentration 0.098

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

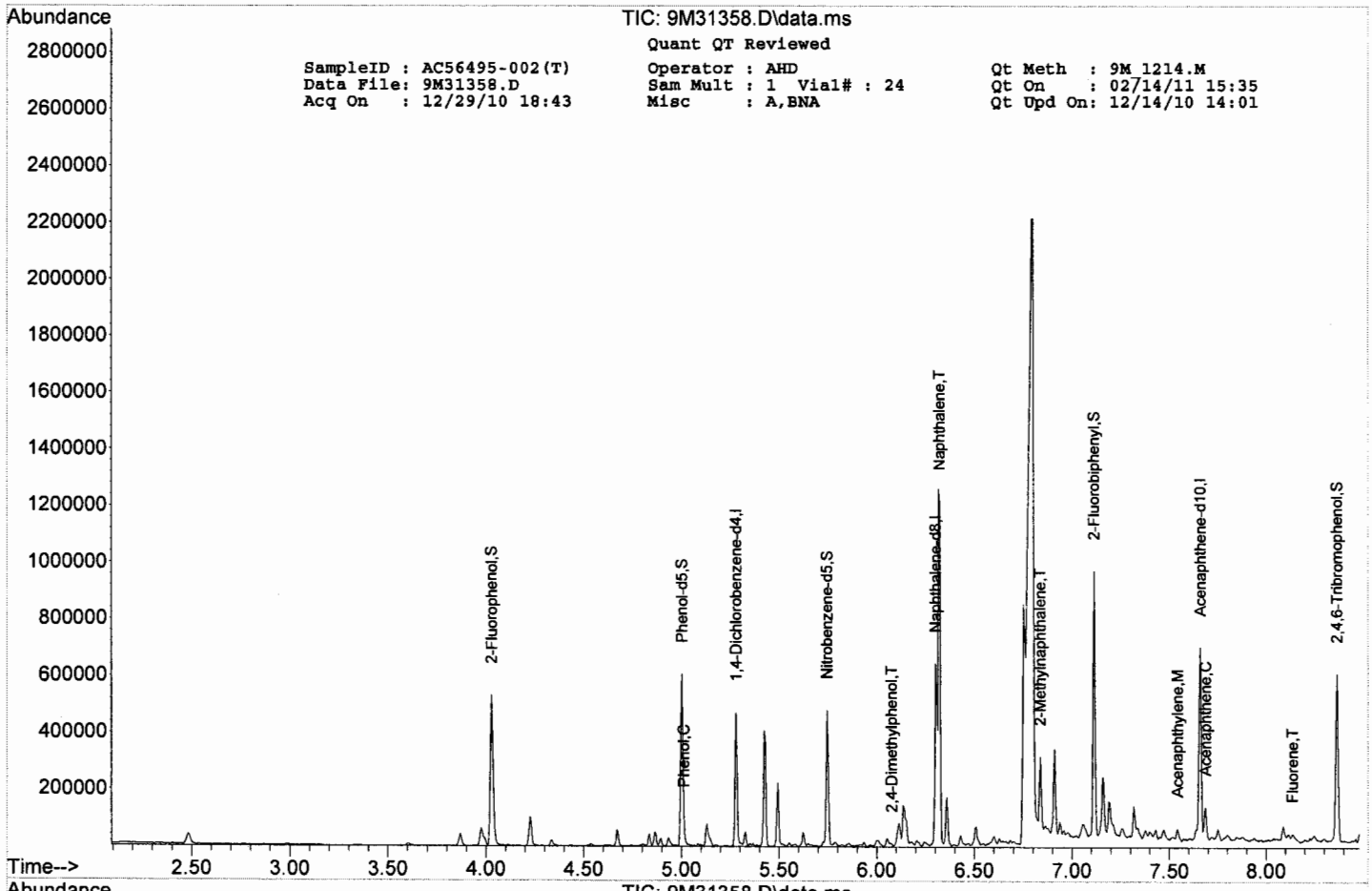
Quantitation Report (QT Reviewed)

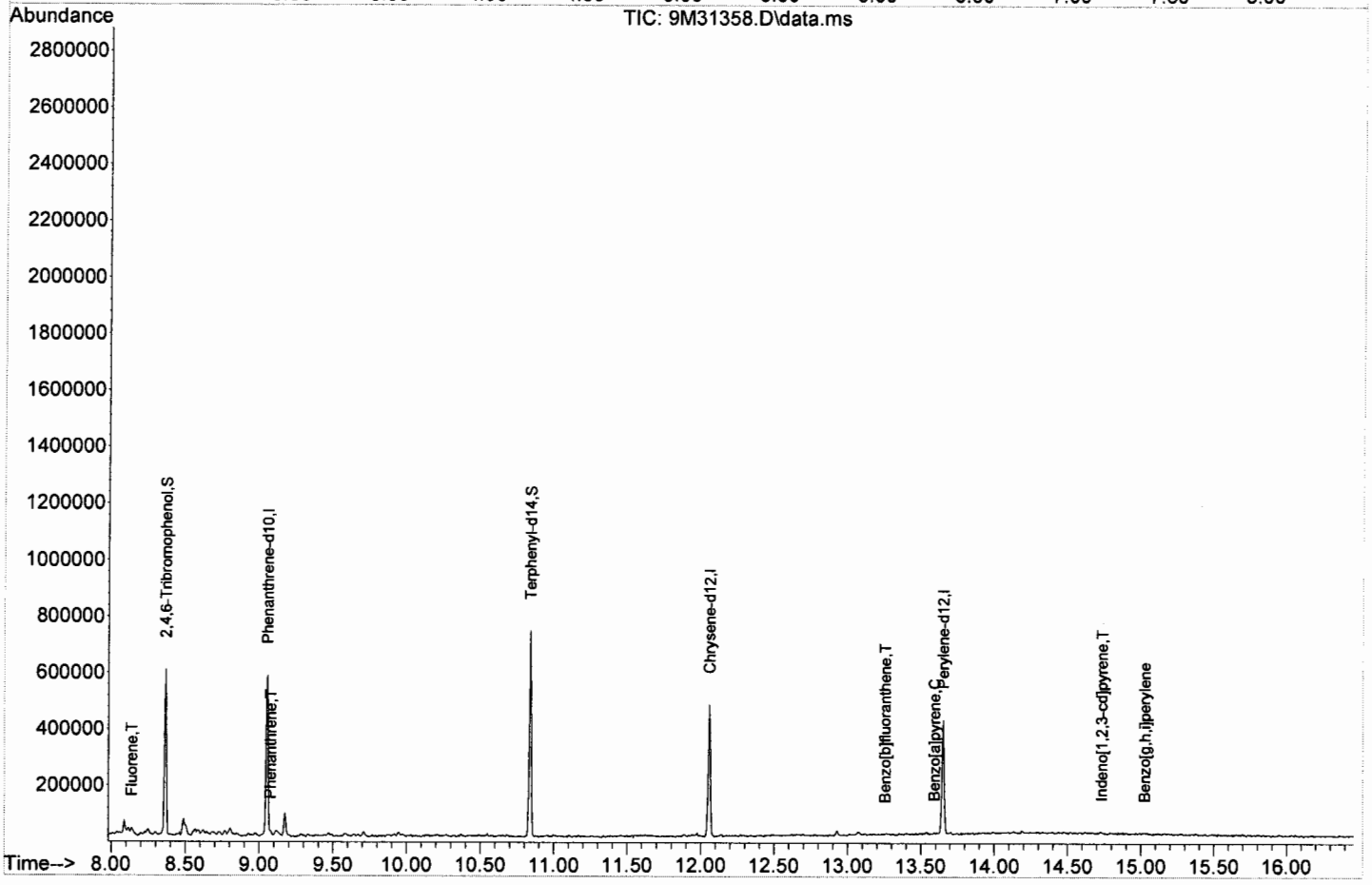
SampleID : AC56495-002(T) Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31358.D Sam Mult : 1 Vial# : 24 Qt On : 02/14/11 15:35
Acq On : 12/29/10 18:43 Misc : A,BNA Qt Upd On: 12/14/10 14:01

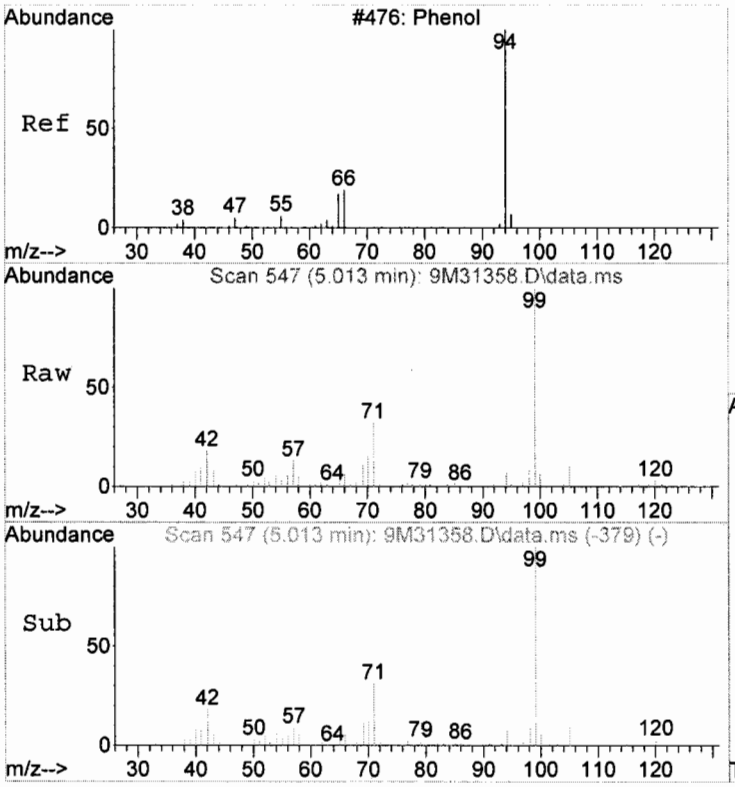
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	56642	40.00	ng	-0.14
29) Naphthalene-d8	6.302	136	228322	40.00	ng	-0.14
47) Acenaphthene-d10	7.660	164	129427	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	219517	40.00	ng	-0.17
88) Chrysene-d12	12.057	240	172580	40.00	ng	-0.20
100) Perylene-d12	13.651	264	140879	40.00	ng	-0.20
System Monitoring Compounds						
10) 2-Fluorophenol	4.029	112	164222	81.96	ng	-0.14
Spiked Amount 100.000			Recovery = 81.96%			
15) Phenol-d5	5.002	99	183175	65.87	ng	-0.11
Spiked Amount 100.000			Recovery = 65.87%			
30) Nitrobenzene-d5	5.745	128	50123	51.08	ng	-0.13
Spiked Amount 50.000			Recovery = 102.16%			
52) 2-Fluorobiphenyl	7.115	172	216834	55.11	ng	-0.14
Spiked Amount 50.000			Recovery = 110.22%			
77) 2,4,6-Tribromophenol	8.366	330	38774	117.08	ng	-0.16
Spiked Amount 100.000			Recovery = 117.08%			
91) Terphenyl-d14	10.837	244	201311	61.94	ng	-0.18
Spiked Amount 50.000			Recovery = 123.88%			
Target Compounds						Qvalue
16) Phenol	5.013	94	2386	0.78	ng	56
34) 2,4-Dimethylphenol	6.077	107	2878	1.37	ng	73
39) Naphthalene	6.323	128	479293	74.29	ng	98
44) 2-Methylnaphthalene	6.837	142	48483	11.44	ng	94
59) Acenaphthylene	7.543	152	8341	1.40	ng	90
62) Acenaphthene	7.687	153	19980	5.68	ng	96
69) Fluorene	8.136	166	5776	1.32	ng	77
83) Phenanthrene	9.078	178	5966	0.97	ng	92
102) Benzo[b]fluoranthene	13.255	252	973m	0.23	ng	
104) Benzo[a]pyrene	13.592	252	1757	0.44	ng	93
105) Indeno[1,2,3-cd]pyrene	14.731	276	1133m	0.30	ng	
107) Benzo[g,h,i]perylene	15.025	276	1290m	0.39	ng	

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


Abundance
TIC: 9M31358.D\data.ms
Quant QT Reviewed
SampleID : AC56495-002(T)
Data File: 9M31358.D
Acq On : 12/29/10 18:43
Operator : AHD
Sam Mult : 1 Vial# : 24
Misc : A,BNA
Qt Meth : 9M_1214.M
Qt On : 02/14/11 15:35
Qt Upd On: 12/14/10 14:01
2-Fluorophenol,S
Phenol-d5,S
Phenol,C
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Time-->

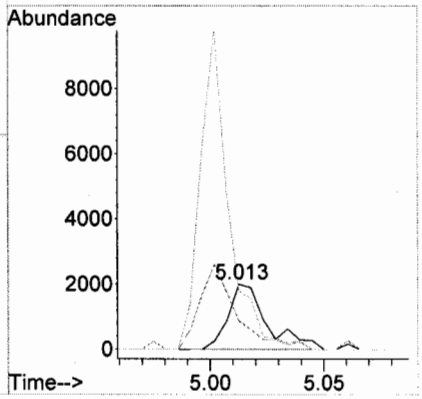

Abundance
TIC: 9M31358.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Terphenyl-d14,S
Chrysene-d12,I
Benzo[b]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

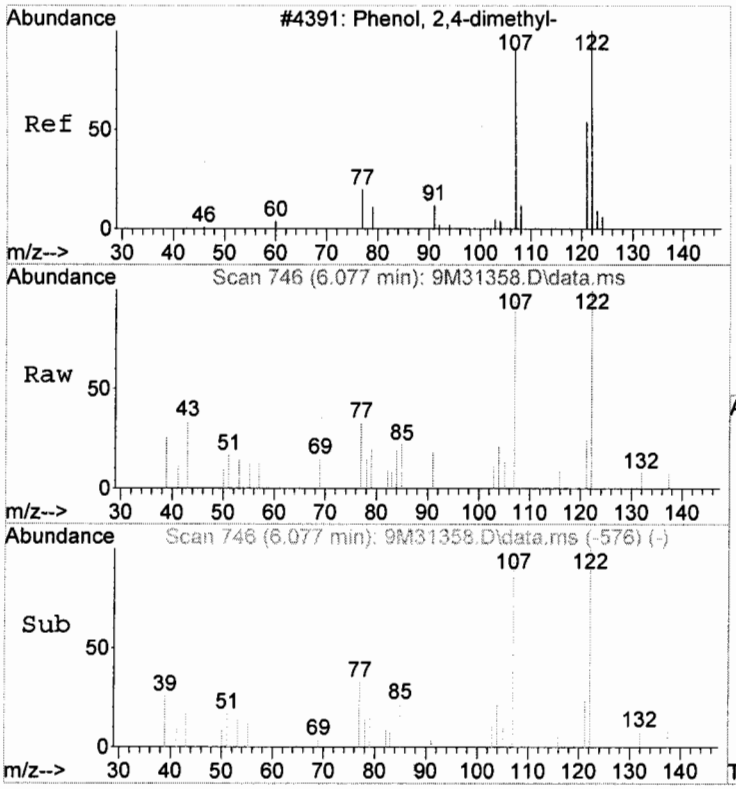


#16
Phenol
Concen: 0.78 ng
RT: 5.013 min Scan# 547
Delta R.T. -0.114 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion: 94 Resp: 2386

Ion	Ratio	Lower	Upper
94	100		
65	43.5	0.0	104.1
66	88.9	0.0	154.0

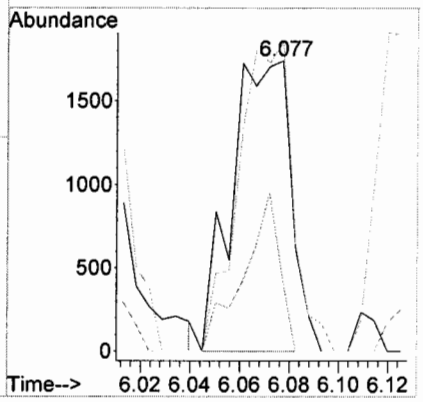


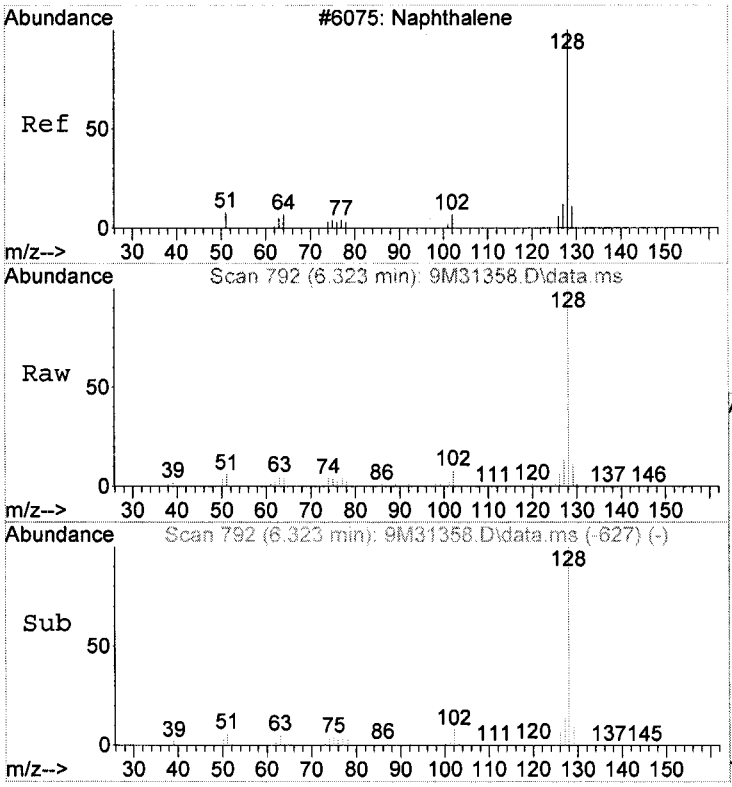


#34
2,4-Dimethylphenol
Concen: 1.37 ng
RT: 6.077 min Scan# 746
Delta R.T. -0.108 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:107 Resp: 2878

Ion	Ratio	Lower	Upper
107	100		
121	25.4	6.5	86.5
122	106.4	43.9	123.9

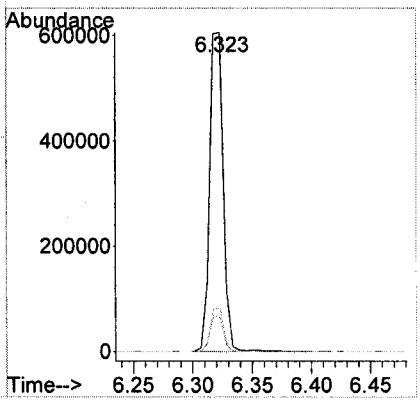


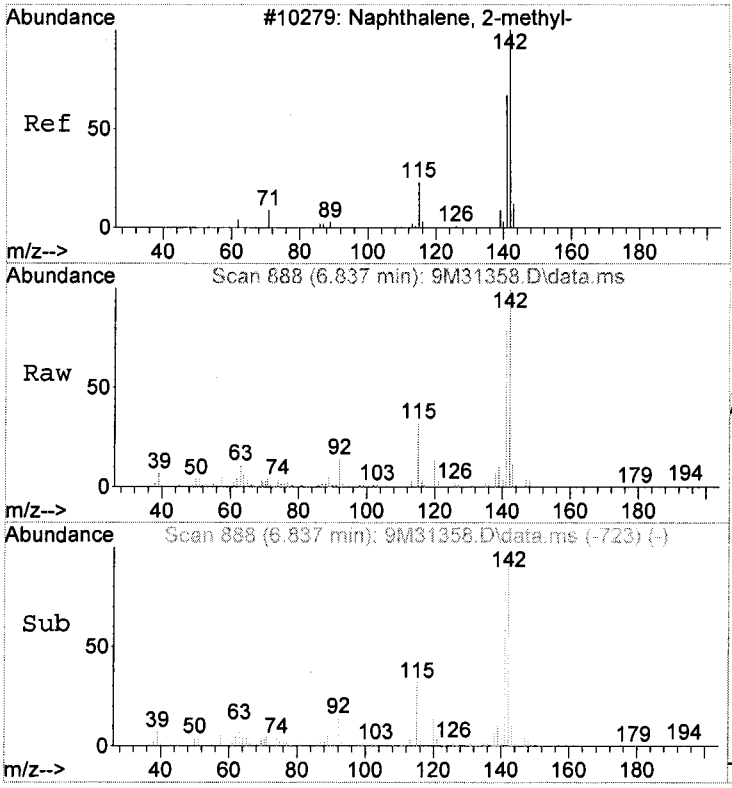


#39
Naphthalene
Concen: 74.29 ng
RT: 6.323 min Scan# 792
Delta R.T. -0.130 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:128 Resp: 479293

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	50.9
127	13.7	0.0	52.4

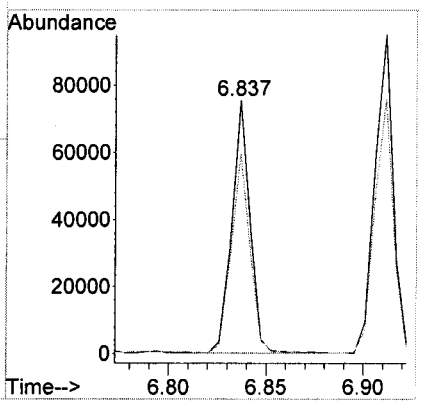


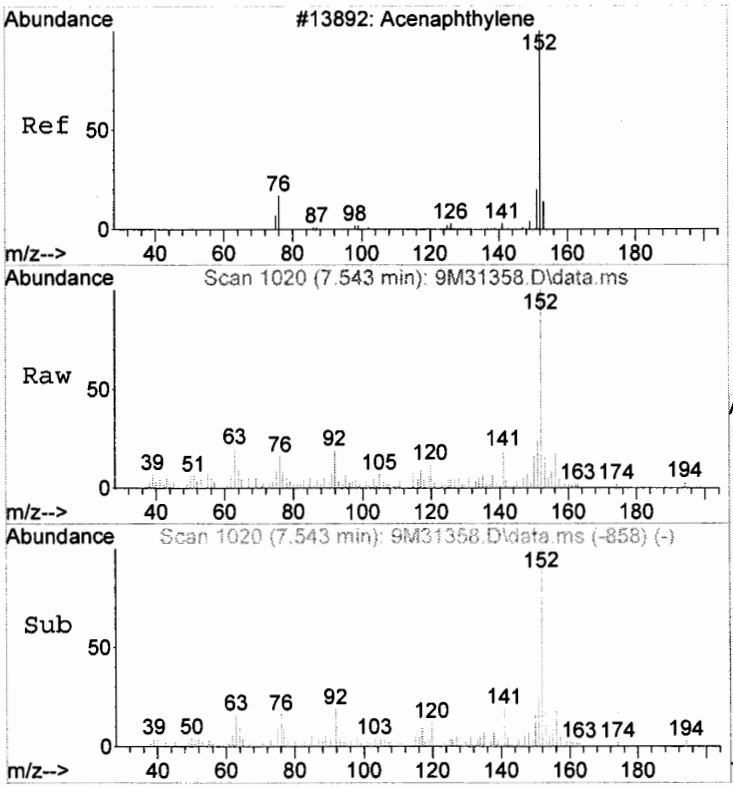


#44
2-Methylnaphthalene
Concen: 11.44 ng
RT: 6.837 min Scan# 888
Delta R.T. -0.135 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:142 Resp: 48483

Ion	Ratio	Lower	Upper
142	100		
141	79.2	44.6	124.6

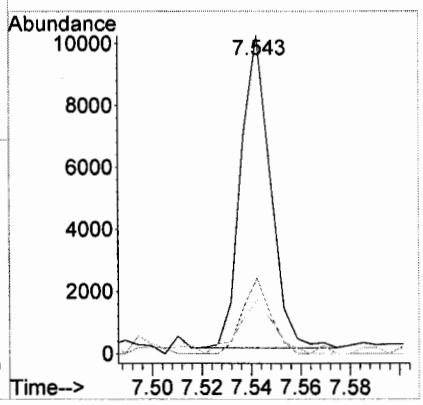


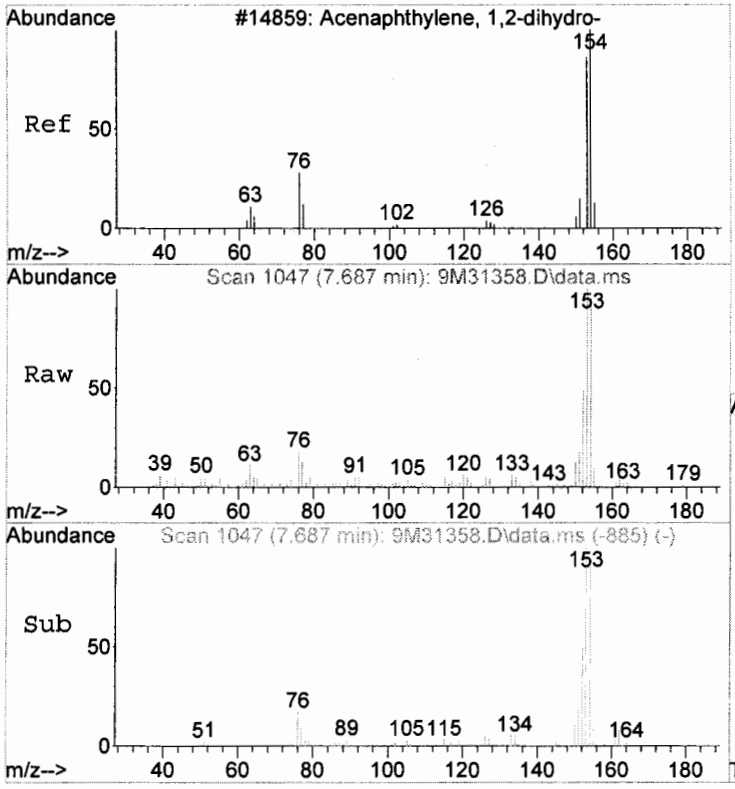


#59
Acenaphthylene
Concen: 1.40 ng
RT: 7.543 min Scan# 1020
Delta R.T. -0.151 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:152 Resp: 8341

Ion	Ratio	Lower	Upper
152	100		
151	24.2	0.0	59.2
153	17.0	0.0	53.2

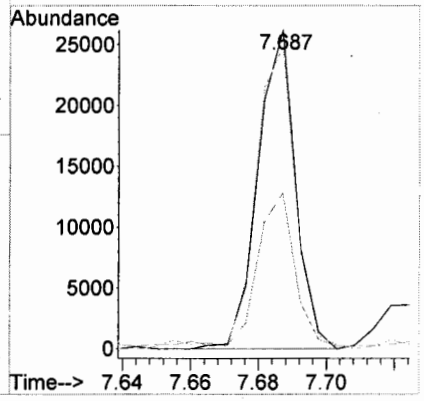


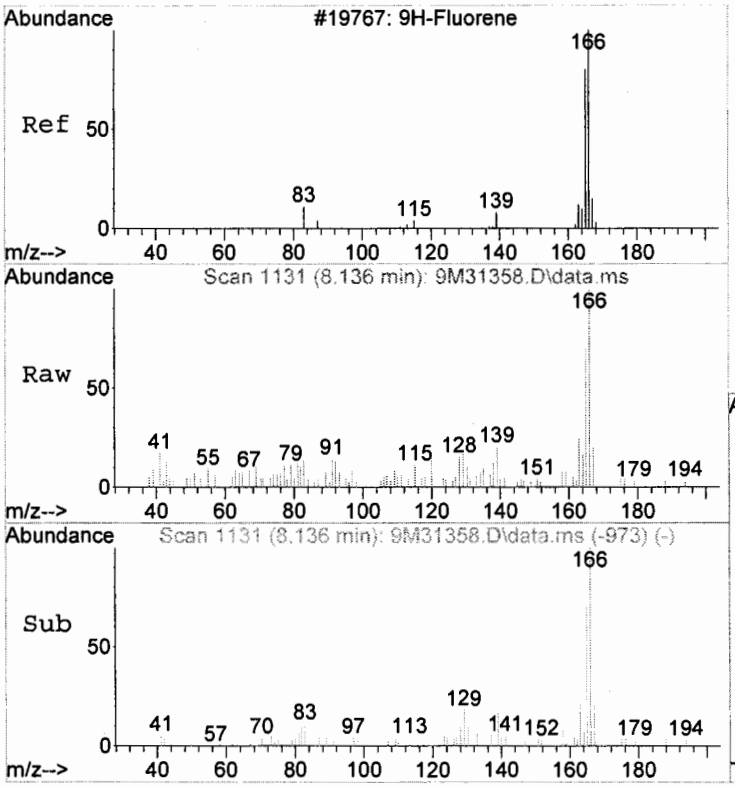


#62
Acenaphthene
Concen: 5.68 ng
RT: 7.687 min Scan# 1047
Delta R.T. -0.151 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:153 Resp: 19980

Ion	Ratio	Lower	Upper
153	100		
152	48.0	10.0	90.0
154	93.6	57.5	137.5

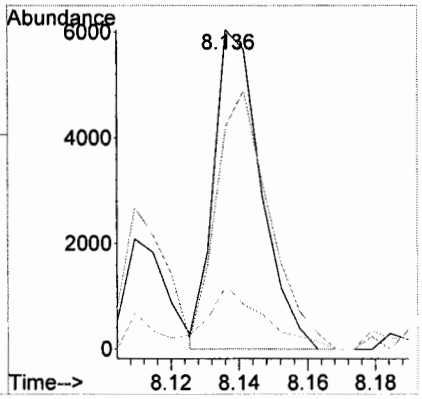


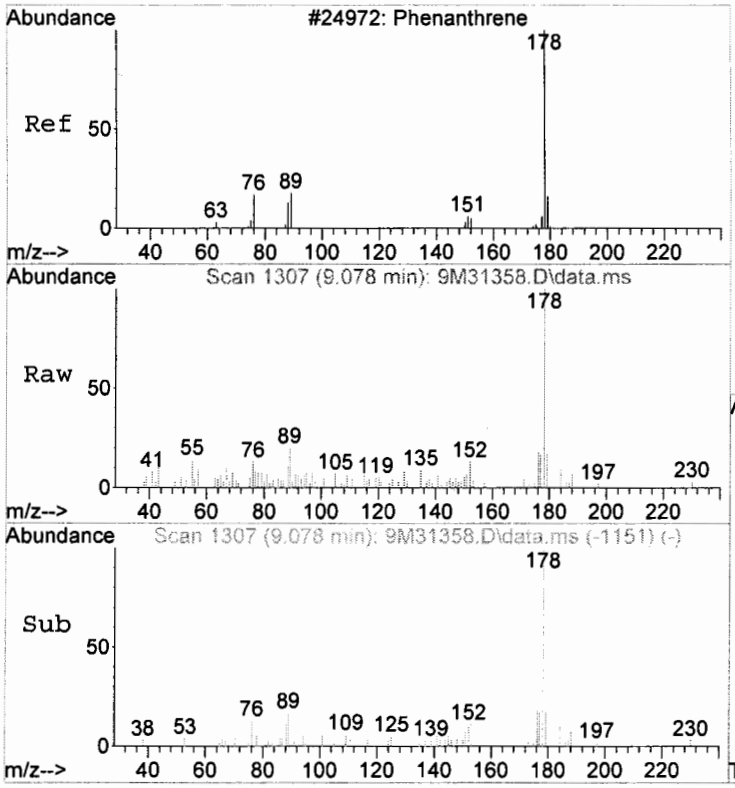


#69
Fluorene
Concen: 1.32 ng
RT: 8.136 min Scan# 1131
Delta R.T. -0.167 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:166 Resp: 5776

Ion	Ratio	Lower	Upper
166	100		
165	69.9	0.0	292.6
167	19.9	0.0	213.2

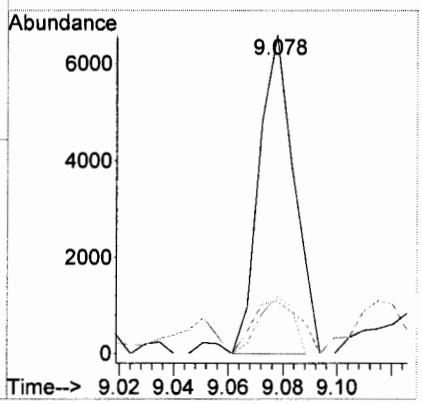


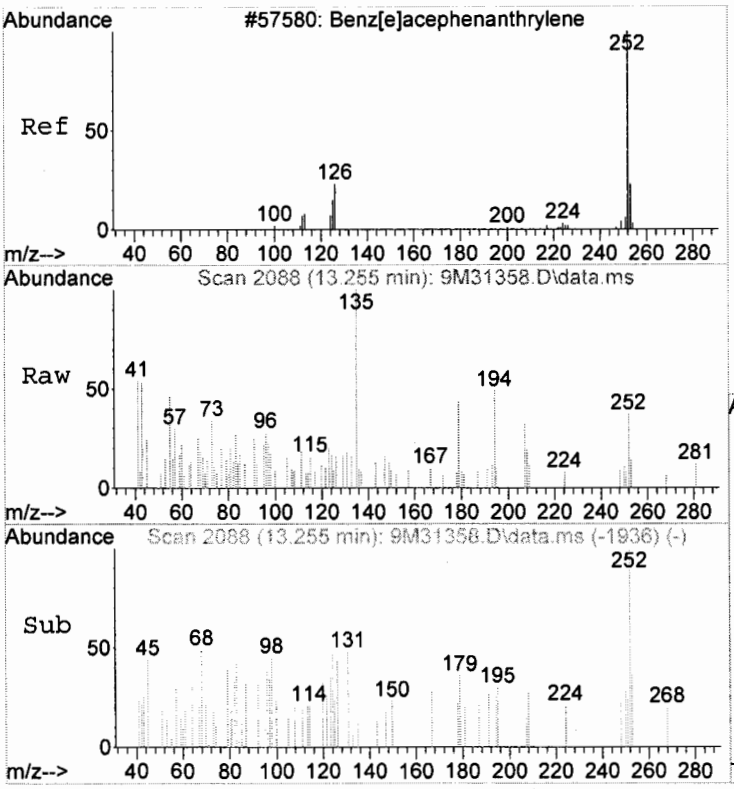


#83
Phenanthrene
Concen: 0.97 ng
RT: 9.078 min Scan# 1307
Delta R.T. -0.178 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:178 Resp: 5966

Ion	Ratio	Lower	Upper
178	100		
179	9.2	0.0	55.5
176	18.0	0.0	59.3

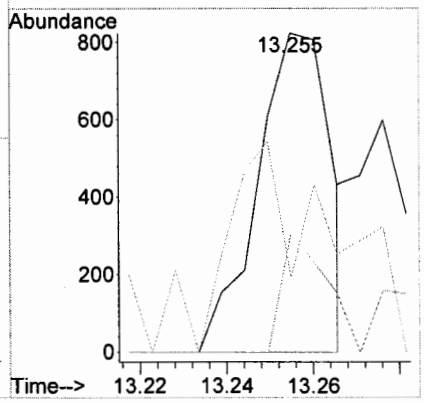


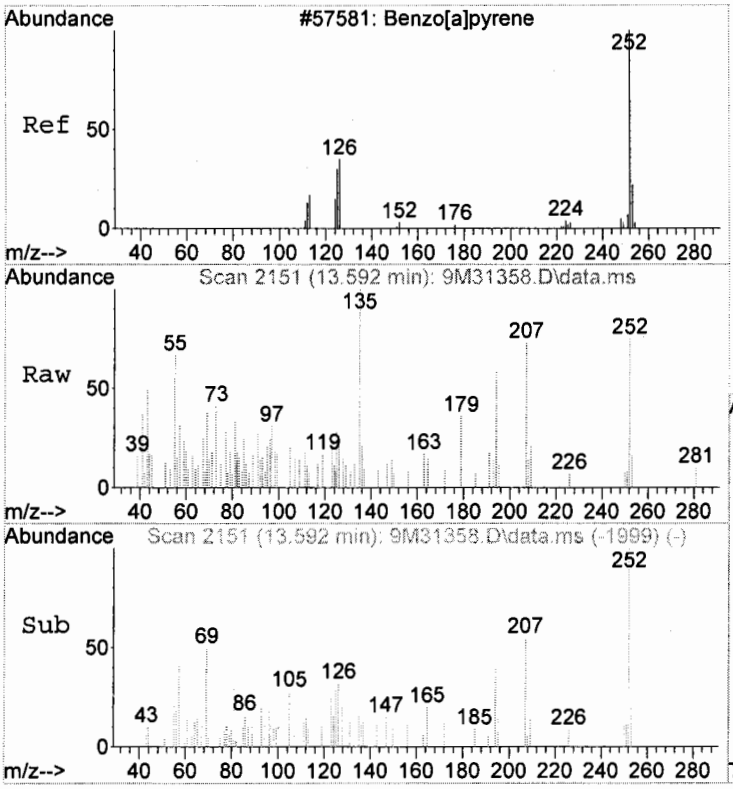


#102
Benzo[b]fluoranthene
Concen: 0.23 ng m
RT: 13.255 min Scan# 2088
Delta R.T. -0.200 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:252 Resp: 973

Ion	Ratio	Lower	Upper
252	100		
253	37.3	0.0	62.3
125	23.3	0.0	58.4

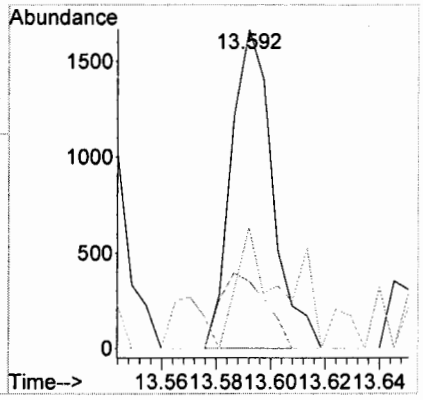


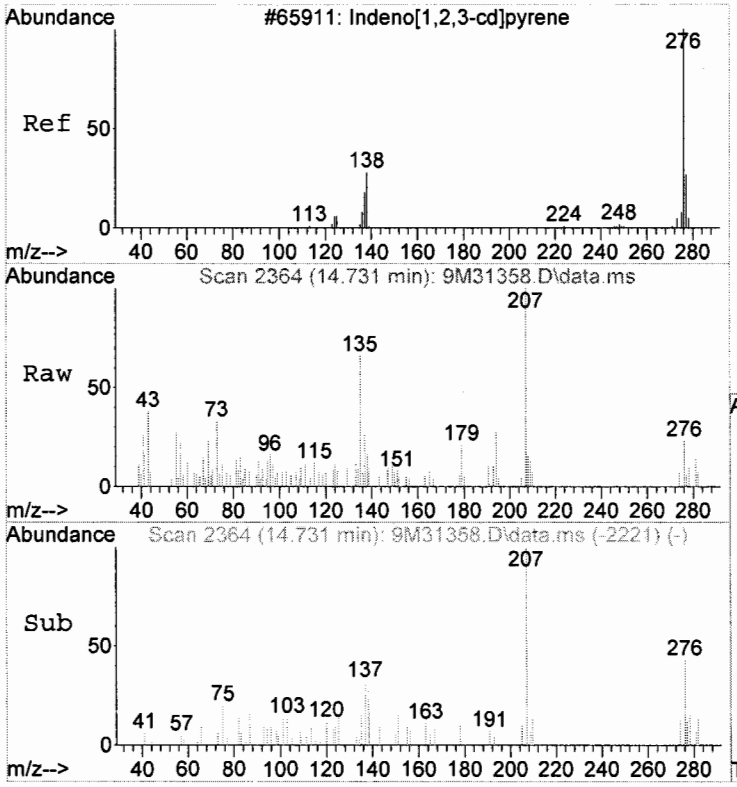


#104
Benzo[a]pyrene
Concen: 0.44 ng
RT: 13.592 min Scan# 2151
Delta R.T. -0.200 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:252 Resp: 1757

Ion	Ratio	Lower	Upper
252	100		
253	21.1	0.0	62.4
125	26.0	0.0	60.9

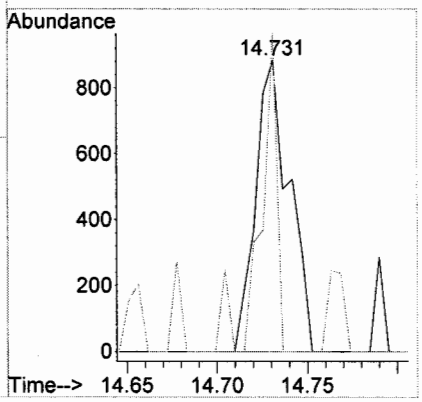


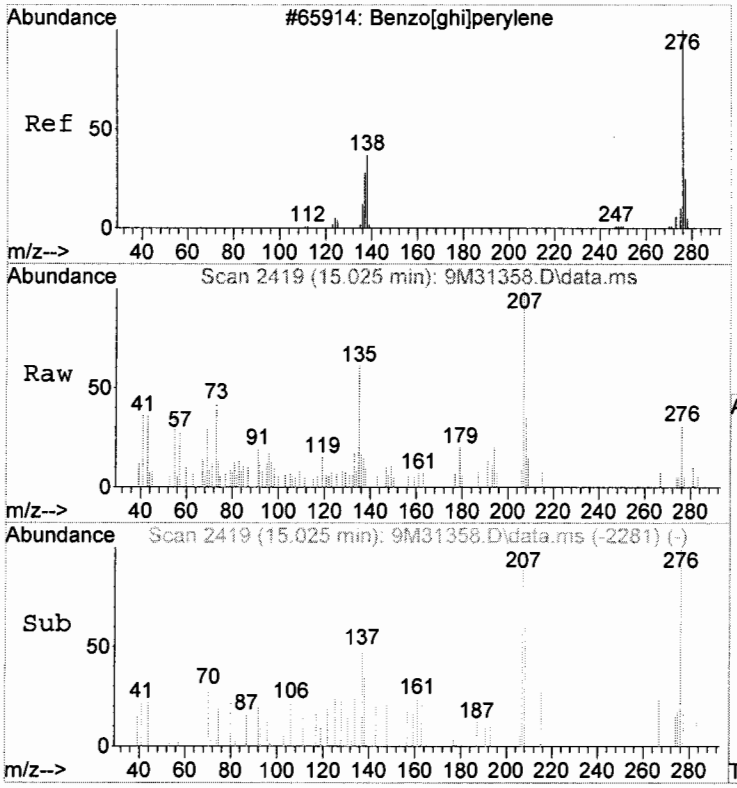


#105
Indeno[1,2,3-cd]pyrene
Concen: 0.30 ng m
RT: 14.731 min Scan# 2364
Delta R.T. -0.253 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:276 Resp: 1133

Ion	Ratio	Lower	Upper
276	100		
138	69.7	0.0	78.9

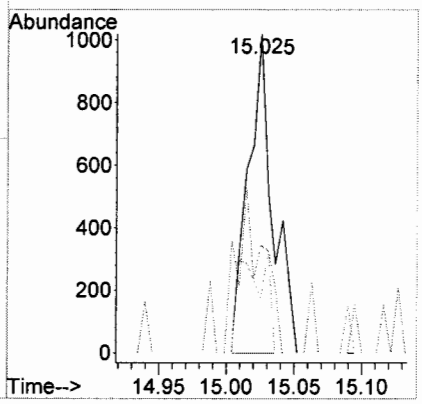




#107
Benzo[g,h,i]perylene
Concen: 0.39 ng m
RT: 15.025 min Scan# 2419
Delta R.T. -0.274 min
Lab File: 9M31358.D
Acq: 29 Dec 2010 18:43

Tgt Ion:276 Resp: 1290

Ion	Ratio	Lower	Upper
276	100		
138	55.2	0.0	140.0
277	0.0	0.0	120.0



SPLP
GC/MS Semi-Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0583

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M31001.	CAL BNA@50PPM	12/13/10 14:43	2	9M31000.	CAL BNA@2PPM	12/13/10 13:40
3	9M30998.	CAL BNA@10PPM	12/13/10 12:54	4	9M30997.	CAL BNA@20PPM	12/13/10 12:31
5	9M30995.	CAL BNA@80PPM	12/13/10 11:44	6	9M31002.	CAL BNA@120PPM	12/13/10 15:08
7	9M30993.	CAL BNA@160PPM	12/13/10 10:58	8	9M30992.	CAL BNA@196PPM	12/13/10 10:35
9	9M30999.	CAL BNA@0.5PPM	12/13/10 13:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	LinF	1.6093	0.7808	1.2510	1.2730	1.4936	1.4288	1.5010	1.5055	-----	1.36	2.40	0.999	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8662	0.6286	0.7885	0.8589	0.8647	0.8328	0.8220	0.8674	-----	0.816	2.35	0.999	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.5292	1.3164	1.2918	1.3021	1.4490	1.4703	1.4485	1.5112	1.4154	1.41	4.17	0.999	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzaldehyde	1	0	Avg	0.9840	0.9579	1.1877	1.1962	1.2269	0.8217	1.1183	0.9337	-----	1.05	5.03	0.979	0.981	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.4729	1.6068	1.7388	1.9415	2.3428	2.4089	2.4943	2.2848	-----	2.16	5.13	0.996	0.997	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4741	0.4309	0.4874	0.4916	0.4764	0.4358	0.4761	0.4258	-----	0.462	5.17	0.994	0.995	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3813	1.2065	1.4364	1.4014	1.4159	1.2763	1.4006	1.2646	-----	1.35	5.20	0.994	0.996	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.1303	1.7085	1.9967	2.0180	2.0533	1.9765	2.1253	1.9846	1.6817	1.96	5.12	0.998	0.998	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol	1	0	Avg	2.2575	2.0373	2.1322	2.1317	2.2103	2.1604	2.2726	2.0766	-----	2.16	5.13	0.996	0.997	3.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.6025	1.4736	1.5165	1.5319	1.5236	1.5228	1.5833	1.4758	-----	1.53	5.23	0.998	0.998	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.3911	1.2957	1.4951	1.5846	1.5636	1.2571	1.3280	1.1974	-----	1.39	5.28	0.990	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6539	1.4883	1.5171	1.5310	1.5722	1.4673	1.4803	1.4421	-----	1.52	5.36	0.998	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5934	1.5314	1.6084	1.5813	1.5571	1.4852	1.4993	1.4619	-----	1.54	5.43	0.999	1.00	3.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5338	1.5094	1.5125	1.5345	1.4795	1.3831	1.4515	1.3620	-----	1.47	5.55	0.998	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.1037	0.8493	0.9972	1.0428	1.0312	0.9985	1.0355	1.0097	-----	1.01	5.54	0.999	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.6302	1.6477	1.8038	1.8283	1.7944	1.4568	1.4888	1.4392	-----	1.64	5.66	0.992	0.996	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.6130	1.3870	1.5337	1.5498	1.4496	1.4438	1.4775	1.4557	1.6477	1.51	5.64	0.999	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0859	1.8623	2.1516	2.1938	2.1363	1.8818	1.8728	1.8510	-----	2.00	5.76	0.997	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5998	0.5696	0.6468	0.6430	0.6220	0.5552	0.5530	0.5338	-----	0.590	5.83	0.997	0.999	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Avg	1.0954	1.1143	1.2602	1.2615	1.2289	0.9903	0.9809	0.9718	-----	1.11	5.76	0.991	0.995	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.6796	1.4930	1.5167	1.6601	1.5234	1.5151	1.5329	1.5194	1.3421	1.53	5.77	0.999	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1758	0.1529	0.1617	0.1876	0.1704	0.1805	0.1770	0.1689	-----	0.172	5.88	0.998	0.999	6.4		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3918	0.3613	0.4461	0.4407	0.4246	0.3648	0.3545	0.3475	-----	0.391	5.90	0.994	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7543	0.6453	0.7976	0.6914	0.7681	0.7111	0.6958	0.6687	-----	0.717	6.08	0.997	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2181	0.1620	0.1944	0.1990	0.1990	0.2140	0.2060	0.2017	-----	0.199	6.14	0.999	0.999	8.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3757	0.2953	0.3781	0.3673	0.3869	0.3619	0.3569	0.3454	0.4432	0.368	6.19	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2172	-----	0.1189	0.1552	0.2273	0.2598	0.2697	0.2718	-----	0.217	6.26	0.997	0.999	27		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4559	0.4276	0.4544	0.4226	0.4383	0.4337	0.4131	0.3997	-----	0.431	6.26	0.997	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3303	0.2408	0.2895	0.3098	0.2906	0.3116	0.3077	0.2968	-----	0.297	6.33	0.998	0.999	8.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3504	0.3095	0.3152	0.3157	0.3155	0.3165	0.3104	0.3037	-----	0.317	6.39	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1823	1.0896	1.1352	1.1005	1.0908	1.1215	1.0683	1.0293	1.3541	1.13	6.45	0.998	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4841	0.3209	0.3298	0.3673	0.3774	0.3862	0.3238	0.2739	-----	0.358	6.50	0.965	0.992	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1421	0.1456	0.1425	0.1373	0.1316	0.1359	0.1333	0.1306	-----	0.137	6.54	0.999	1.00	4.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1597	0.1202	0.1584	0.1463	0.1393	0.1543	0.1479	0.1264	-----	0.144	6.77	0.992	0.996	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3626	0.3019	0.3643	0.3260	0.3204	0.3413	0.3364	0.3220	-----	0.334	6.86	0.998	0.999	6.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.8180	0.7460	0.7411	0.7462	0.7129	0.7520	0.7281	0.6956	-----	0.743	6.97	0.997	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.8180	0.7460	0.7411	0.7462	0.7129	0.7520	0.7281	0.6956	-----	0.743	6.97	0.997	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	1.0115	1.0010	0.9837	0.9508	0.8796	0.9542	0.9227	0.8915	-----	0.949	7.33	0.998	0.998	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben:	1	0	Avg	0.5148	0.4369	0.5063	0.5007	0.5072	0.4925	0.4862	0.4530	-----	0.487	7.10	0.996	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1459	-----	0.0780	0.1004	0.1587	0.1766	0.1850	0.1751	-----	0.146	7.08	0.997	0.998	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3523	0.2792	0.3217	0.3419	0.3251	0.3498	0.3401	0.3181	-----	0.329	7.19	0.996	0.998	7.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.85

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0584

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M31001.	CAL BNA@50PPM	12/13/10 14:43	2	9M31000.	CAL BNA@2PPM	12/13/10 13:40
3	9M30998.	CAL BNA@10PPM	12/13/10 12:54	4	9M30997.	CAL BNA@20PPM	12/13/10 12:31
5	9M30995.	CAL BNA@80PPM	12/13/10 11:44	6	9M31002.	CAL BNA@120PPM	12/13/10 15:08
7	9M30993.	CAL BNA@160PPM	12/13/10 10:58	8	9M30992.	CAL BNA@196PPM	12/13/10 10:35
9	9M30999.	CAL BNA@0.5PPM	12/13/10 13:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3823	0.2777	0.3359	0.3442	0.3500	0.3586	0.3597	0.3380	-----	0.343	7.22	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3202	1.0626	1.2767	1.2535	1.2216	1.2419	1.2222	1.1293	-----	1.22	7.25	0.996	0.999	6.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1531	1.0893	1.1606	1.1176	1.0938	1.0900	1.0717	0.9844	-----	1.10	7.35	0.995	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.9732	0.9688	1.0309	0.9724	0.9560	0.9443	0.9292	0.8754	-----	0.956	7.62	0.997	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9732	0.9688	1.0309	0.9724	0.9560	0.9443	0.9292	0.8754	-----	0.956	7.62	0.997	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8752	0.7799	0.8553	0.8997	0.8452	0.8330	0.8299	0.7830	-----	0.838	7.42	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Qua	0.4447	0.3378	0.5339	0.3957	0.3961	0.4027	0.3191	0.3020	-----	0.392	7.43	0.965	0.994	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5258	0.4144	0.5154	0.5130	0.4860	0.4931	0.4844	0.4644	-----	0.487	7.61	0.998	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9202	1.9011	1.8544	1.8860	1.8260	1.8390	1.7912	1.6861	-----	1.84	7.69	0.997	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.2930	1.2029	1.2713	1.2098	1.1965	1.1985	1.1939	1.1236	-----	1.21	7.58	0.998	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2882	0.2241	0.2868	0.2873	0.2715	0.2798	0.2782	0.2572	-----	0.272	7.64	0.996	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1361	1.1012	1.0747	1.1228	1.0843	1.0954	1.0656	1.0107	-----	1.09	7.84	0.997	1.00	3.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3728	0.2844	0.3257	0.3429	0.3241	0.3251	0.2888	0.2686	-----	0.317	7.77	0.984	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1519	-----	0.0682	0.1219	0.1527	0.1687	0.1851	0.1775	-----	0.147	7.87	0.997	0.998	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6833	1.5721	1.6474	1.6761	1.5833	1.5758	1.5476	1.4566	1.8368	1.62	7.99	0.997	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4157	0.2704	0.3856	0.3606	0.3750	0.3786	0.3754	0.3556	-----	0.365	7.98	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2629	0.1928	0.2202	0.2372	0.2300	0.2522	0.2583	0.2443	-----	0.237	7.92	0.997	0.997	9.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2672	0.1690	0.2262	0.2489	0.2451	0.2547	0.2601	0.2442	-----	0.239	8.10	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4276	1.3033	1.4292	1.4003	1.3075	1.3518	1.3168	1.2524	-----	1.35	8.30	0.998	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.6123	0.5411	0.6038	0.5972	0.5844	0.5951	0.5835	0.5470	-----	0.583	8.30	0.997	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.2200	1.1663	1.2117	1.1891	1.1543	1.1933	1.1874	1.1049	-----	1.18	8.19	0.997	0.999	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4196	0.3479	0.3740	0.3954	0.3775	0.3991	0.3931	0.3584	-----	0.383	8.33	0.994	0.997	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3762	0.2859	0.3387	0.3500	0.3288	0.3483	0.3557	0.3338	-----	0.340	8.93	0.997	0.998	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1339	0.0302	0.0913	0.1065	0.1236	0.1372	0.1375	0.1352	-----	0.112	8.35	0.998	0.998	33		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7301	0.6502	0.7392	0.7368	0.6958	0.7302	0.6768	0.6628	-----	0.703	8.41	0.997	0.999	5.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0631	0.0517	0.0590	0.0633	0.0610	0.0648	0.0598	0.0598	-----	0.0604	8.53	0.998	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.8093	0.7218	0.8001	0.7644	0.7632	0.7800	0.7300	0.7063	-----	0.759	8.45	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1713	0.1503	0.1669	0.1724	0.1667	0.1718	0.1667	0.1607	-----	0.166	8.77	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1526	0.1494	0.1616	0.1515	0.1462	0.1536	0.1449	0.1429	-----	0.150	8.83	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Qua	0.4703	0.3636	0.4677	0.4687	0.4518	0.4745	0.4430	0.4309	-----	0.446	9.11	0.997	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0893	-----	0.0610	0.0674	0.0897	0.1019	0.1012	0.0992	-----	0.0872	9.03	0.995	0.997	19	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1454	1.1786	1.1467	1.1277	1.0884	1.1316	1.0816	1.0293	-----	1.12	9.26	0.997	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1676	1.1304	1.1807	1.1877	1.1314	1.1595	1.1006	1.0574	-----	1.14	9.31	0.997	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1535	1.0287	1.1615	1.1676	1.1103	1.1596	1.1130	1.0696	-----	1.12	9.49	0.998	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.2912	1.0662	1.2351	1.2706	1.2445	1.3104	1.2750	1.2267	-----	1.24	9.87	0.999	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2006	1.1347	1.1864	1.1650	1.1350	1.2015	1.1865	1.1180	-----	1.17	10.57	0.998	0.999	2.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3781	1.1584	1.3304	1.3165	1.3903	1.3900	1.3220	1.3017	-----	1.32	10.82	0.998	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	LinF	0.8018	0.2604	0.4178	0.4742	0.7265	0.7252	0.6910	0.6470	-----	0.593	10.74	0.991	0.993	32		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7752	0.6850	0.7702	0.7434	0.7672	0.7850	0.7416	0.7579	-----	0.753	11.02	1.00	1.00	4.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p.p'-DDE	1	0	Avg	0.1966	0.1535	0.2004	0.1865	0.1952	0.2041	0.1923	0.1882	-----	0.190	10.96	0.998	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p.p'-DDD	1	0	Avg	0.4473	0.4111	0.4279	0.4216	0.4445	0.4489	0.4320	0.4252	-----	0.432	11.36	0.999	1.00	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.85

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0585

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M31001.	CAL BNA@50PPM	12/13/10 14:43	2	9M31000.	CAL BNA@2PPM	12/13/10 13:40
3	9M30998.	CAL BNA@10PPM	12/13/10 12:54	4	9M30997.	CAL BNA@20PPM	12/13/10 12:31
5	9M30995.	CAL BNA@80PPM	12/13/10 11:44	6	9M31002.	CAL BNA@120PPM	12/13/10 15:08
7	9M30993.	CAL BNA@160PPM	12/13/10 10:58	8	9M30992.	CAL BNA@196PPM	12/13/10 10:35
9	9M30999.	CAL BNA@0.5PPM	12/13/10 13:17				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.6595	0.5559	0.6057	0.6079	0.6369	0.6625	0.6409	0.6409	-----	0.626	11.62	1.00	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	Avg	0.3658	0.2336	0.3442	0.3433	0.3668	0.3719	0.3602	0.3600	-----	0.343	11.71	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3455	0.2803	0.3198	0.3031	0.2884	0.3025	0.2572	0.2308	-----	0.291	12.23	0.971	0.996	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1966	1.1108	1.1730	1.1595	1.1761	1.1851	1.1470	1.1174	-----	1.16	12.25	0.999	1.00	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1140	1.1029	1.1117	1.1173	1.0923	1.0985	1.0586	1.0322	-----	1.09	12.29	0.999	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.8743	0.7135	0.8346	0.8175	0.8648	0.8748	0.8495	0.8406	-----	0.834	12.32	1.00	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.9325	1.3864	1.6971	1.7316	1.8802	1.9780	1.9416	1.9405	-----	1.81	13.07	1.00	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2825	1.0581	1.1511	1.1488	1.1846	1.2110	1.2560	1.2197	-----	1.19	13.45	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1770	1.0530	1.1468	1.1655	1.2092	1.1862	1.1179	1.0578	-----	1.14	13.49	0.995	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1976	1.0267	1.1027	1.1272	1.1610	1.1575	1.1439	1.0963	-----	1.13	13.79	0.999	1.00	4.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.1604	1.0735	1.1199	1.0868	1.1075	1.0921	1.0635	0.9927	-----	1.09	14.98	0.996	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9973	0.9459	0.9430	0.9563	0.9233	0.9382	0.8923	0.8355	-----	0.929	15.01	0.995	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9784	0.9928	0.9501	0.9373	0.9164	0.9372	0.8939	0.8301	-----	0.930	15.30	0.995	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria * - ccc compound
b - failed the ccc criteria ** - spcc compound
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.85
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31001.D Sam Mult : 1 Vial# : 2 Qt On : 12/13/10 15:05
Acq On : 12/13/10 14:43 Misc : A,BNA Qt Upd On: 12/13/10 14:48

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	49144	40.00	ng	0.00
29) Naphthalene-d8	6.437	136	190376	40.00	ng	0.00
47) Acenaphthene-d10	7.812	164	118341	40.00	ng	0.00
74) Phenanthrene-d10	9.229	188	206585	40.00	ng	0.00
88) Chrysene-d12	12.256	240	186095	40.00	ng	0.00
100) Perylene-d12	13.850	264	155032	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	93940	54.25	ng	0.00
Spiked Amount 100.000			Recovery = 54.25%			
15) Phenol-d5	5.116	99	130865	53.67	ng	0.00
Spiked Amount 100.000			Recovery = 53.67%			
30) Nitrobenzene-d5	5.881	128	20927	25.32	ng	0.00
Spiked Amount 50.000			Recovery = 50.64%			
52) 2-Fluorobiphenyl	7.250	172	97653	27.60	ng	0.00
Spiked Amount 50.000			Recovery = 55.20%			
77) 2,4,6-Tribromophenol	8.528	330	16298	51.85	ng	0.00
Spiked Amount 100.000			Recovery = 51.85%			
91) Terphenyl-d14	11.021	244	90171	25.60	ng	0.00
Spiked Amount 50.000			Recovery = 51.20%			
Target Compounds						Qvalue
8) Pyridine	2.399	79	98865	53.27	ng	67
9) N-Nitrosodimethylamine	2.345	74	53213	52.39	ng	72
11) Benzaldehyde	5.030	77	60452	43.07	ng	64
12) Aniline	5.132	93	151915	51.77	ng	25
13) Pentachloroethane	5.169	117	29124	50.26	ng	87
14) bis(2-Chloroethyl)ether	5.201	93	84853	50.27	ng	77
16) Phenol	5.127	94	138684	51.36	ng	88
17) 2-Chlorophenol	5.234	128	98442	52.26	ng	76
18) N-Decane	5.282	57	85460	47.66	ng	84
19) 1,3-Dichlorobenzene	5.362	146	101604	54.42	ng	98
20) 1,4-Dichlorobenzene	5.431	146	97886	51.22	ng	98
21) 1,2-Dichlorobenzene	5.554	146	94225	51.69	ng	97
22) Benzyl alcohol	5.544	108	67801	54.06	ng	64
23) bis(2-chloroisopropyl)...	5.656	45	100145	47.46	ng	83
24) 2-Methylphenol	5.640	108	99092	53.52	ng	86
25) Acetophenone	5.758	105	128142	50.53	ng	59
26) Hexachloroethane	5.833	117	36846	49.32	ng	84
27) N-Nitroso-di-n-propyla...	5.763	70	67294	46.41	ng	69
28) 3&4-Methylphenol	5.768	108	103179	54.57	ng	90
31) Nitrobenzene	5.897	77	93246	47.51	ng	75
32) Isophorone	6.084	82	179502	50.63	ng	87
33) 2-Nitrophenol	6.143	139	51920	55.07	ng	89
34) 2,4-Dimethylphenol	6.186	107	89422	50.62	ng	82
35) Benzoic Acid	6.261	105	51689m	43.57	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	108505	52.26	ng	98
37) 2,4-Dichlorophenol	6.330	162	78624	56.22	ng	90
38) 1,2,4-Trichlorobenzene	6.394	180	83389	55.69	ng	96
39) Naphthalene	6.453	128	281371	52.42	ng	100
40) 4-Chloroaniline	6.496	127	115219	70.06	ng	99
41) Hexachlorobutadiene	6.539	225	33817	51.09	ng	95
42) Caprolactam	6.774	113	38019	55.32	ng	60
43) 4-Chloro-3-methylphenol	6.860	107	86299	52.68	ng	76
44) 2-Methylnaphthalene	6.972	142	194667	55.77	ng	93
45) Methylnaphthalenes (To...	6.972	142	194667	55.77	ng	93
46) 1,1'-Biphenyl	7.330	154	240718	53.53	ng	94
48) 1,2,4,5-Tetrachloroben...	7.100	216	76165	51.99	ng	97
49) Hexachlorocyclopentadiene	7.084	237	21595	40.49	ng	93
50) 2,4,6-Trichlorophenol	7.191	196	52118	53.32	ng	96
51) 2,4,5-Trichlorophenol	7.223	196	56562	55.56	ng	95
53) 2-Chloronaphthalene	7.352	162	170581	52.18	ng	91
54) 1,4-Dimethylnaphthalene	7.619	156	143966	50.43	ng	80
55) Dimethylnaphthalenes (...	7.619	156	143966	50.43	ng	80
56) Diphenyl Ether	7.416	170	129478	51.81	ng	72
57) 2-Nitroaniline	7.432	65	65796	48.95	ng	57
58) Coumarin	7.608	146	77786	53.49	ng	71
59) Acenaphthylene	7.694	152	284049	51.39	ng	99
60) Dimethylphthalate	7.576	163	191274	52.00	ng	98
61) 2,6-Dinitrotoluene	7.635	165	42638	51.60	ng	54
62) Acenaphthene	7.838	153	168070	50.98	ng	93
63) 3-Nitroaniline	7.774	138	55150	59.31	ng	83
64) 2,4-Dinitrophenol	7.870	184	22471	43.76	ng	88
65) Dibenzofuran	7.988	168	249007	51.48	ng	79

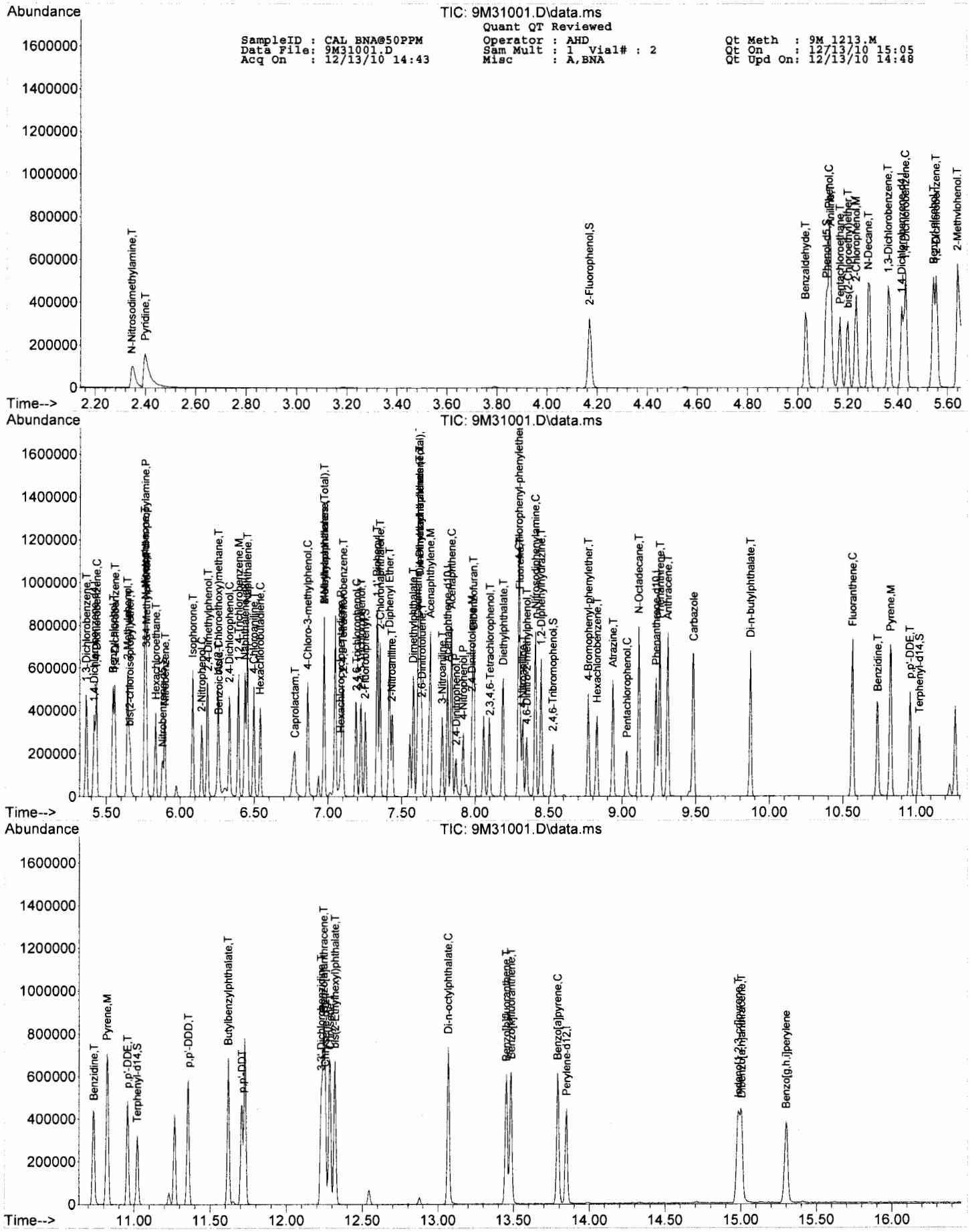
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31001.D Sam Mult : 1 Vial# : 2 Qt On : 12/13/10 15:05
Acq On : 12/13/10 14:43 Misc : A,BNA Qt Upd On: 12/13/10 14:48

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.977	165	61495	55.57	ng	72
67)	4-Nitrophenol	7.919	65	38895	38.53	ng	82
68)	2,3,4,6-Tetrachlorophenol	8.100	232	39532	55.27	ng	84
69)	Fluorene	8.304	166	211180	52.13	ng	91
70)	4-Chlorophenyl-phenyle...	8.298	204	90575	52.05	ng	80
71)	Diethylphthalate	8.191	149	180478	49.68	ng	95
72)	4-Nitroaniline	8.325	138	62073	54.65	ng	77
73)	Atrazine	8.935	200	55656	54.23	ng	94
75)	4,6-Dinitro-2-methylph...	8.352	198	34589	50.02	ng	61
76)	n-Nitrosodiphenylamine	8.411	169	188559	52.08	ng	91
78)	1,2-Diphenylhydrazine	8.448	77	209002	43.80	ng	83
79)	4-Bromophenyl-phenylether	8.769	248	44235	51.28	ng	94
80)	Hexachlorobenzene	8.828	284	39408	49.94	ng	72
81)	N-Octadecane	9.111	57	121455	39.02	ng	77
82)	Pentachlorophenol	9.031	266	23079	49.36	ng	98
83)	Phenanthrene	9.256	178	295794	51.11	ng	94
84)	Anthracene	9.309	178	301523	50.90	ng	96
85)	Carbazole	9.486	167	297884	51.27	ng	95
86)	Di-n-butylphthalate	9.871	149	333440	50.52	ng	97
87)	Fluoranthene	10.566	202	310043	51.00	ng	93
89)	Pyrene	10.823	202	320573	52.20	ng	91
90)	Benzidine	10.737	184	186518	58.78	ng	84
92)	p,p'-DDE	10.957	246	45743	50.98	ng	96
93)	p,p'-DDD	11.358	235	104065	51.57	ng	90
94)	Butylbenzylphthalate	11.620	149	153411	51.76	ng	76
95)	p,p'-DDT	11.711	235	85114	53.17	ng	97
96)	3,3'-Dichlorobenzidine	12.230	252	80369	60.87	ng	97
97)	Benzo[a]anthracene	12.246	228	278364	51.52	ng	94
98)	Chrysene	12.288	228	259139	50.96	ng	94
99)	bis(2-Ethylhexyl)phtha...	12.321	149	203378	51.73	ng	94
101)	Di-n-octylphthalate	13.069	149	374513	52.88	ng	99
102)	Benzo[b]fluoranthene	13.454	252	248545	54.20	ng	96
103)	Benzo[k]fluoranthene	13.487	252	228104	51.29	ng	93
104)	Benzo[a]pyrene	13.791	252	232101	53.07	ng	96
105)	Indeno[1,2,3-cd]pyrene	14.984	276	224881	53.35	ng	100
106)	Dibenzo[a,h]anthracene	15.006	278	193273	53.81	ng	95
107)	Benzo[g,h,i]perylene	15.300	276	189604	52.69	ng	97

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


Abundance
TIC: 9M31001.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M31001.D
Acq On : 12/13/10 14:43
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 15:05
Qt Upd On: 12/13/10 14:48
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
2-Methylphenol,T
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31000.D Sam Mult : 1 Vial# : 11 Qt On : 12/13/10 14:03
Acq On : 12/13/10 13:40 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
7) 1,4-Dichlorobenzene-d4	5.416	152	46414	40.00	ng		-0.05
29) Naphthalene-d8	6.432	136	187462	40.00	ng		-0.05
47) Acenaphthene-d10	7.806	164	116162	40.00	ng		-0.05
74) Phenanthrene-d10	9.224	188	191632	40.00	ng		-0.06
88) Chrysene-d12	12.246	240	183519	40.00	ng		-0.06
100) Perylene-d12	13.845	264	161703	40.00	ng		-0.06
System Monitoring Compounds							
10) 2-Fluorophenol	4.175	112	3055m	2.03	ng		-0.04
Spiked Amount 100.000			Recovery = 2.03%				
15) Phenol-d5	5.116	99	3965	1.83	ng		-0.04
Spiked Amount 100.000			Recovery = 1.83%				
30) Nitrobenzene-d5	5.876	128	717	0.90	ng		-0.05
Spiked Amount 50.000			Recovery = 1.80%				
52) 2-Fluorobiphenyl	7.250	172	3086	0.87	ng		-0.05
Spiked Amount 50.000			Recovery = 1.74%				
77) 2,4,6-Tribromophenol	8.523	330	496	1.84	ng		-0.06
Spiked Amount 100.000			Recovery = 1.84%				
91) Terphenyl-d14	11.016	244	3143	0.94	ng		-0.06
Spiked Amount 50.000			Recovery = 1.88%				
Target Compounds							Qvalue
8) Pyridine	2.479	79	1812	1.15	ng		49
9) N-Nitrosodimethylamine	2.378	74	1459	1.58	ng		98
11) Benzaldehyde	5.031	77	2223	2.44	ng		90
12) Aniline	5.132	93	3729	1.52	ng		15
13) Pentachloroethane	5.164	117	1000	1.84	ng		86
14) bis(2-Chloroethyl)ether	5.196	93	2800	1.82	ng		87
16) Phenol	5.127	94	4728	1.97	ng		88
17) 2-Chlorophenol	5.234	128	3420	2.12	ng		74
18) N-Decane	5.282	57	3007	1.83	ng		64
19) 1,3-Dichlorobenzene	5.362	146	3454	1.99	ng		94
20) 1,4-Dichlorobenzene	5.432	146	3554	2.01	ng		94
21) 1,2-Dichlorobenzene	5.555	146	3503	2.11	ng		89
22) Benzyl alcohol	5.544	108	1971m	1.70	ng		
23) bis(2-chloroisopropyl)...	5.651	45	3824	2.09	ng		73
24) 2-Methylphenol	5.640	108	3219	2.09	ng		92
25) Acetophenone	5.753	105	4322	1.90	ng		58
26) Hexachloroethane	5.833	117	1322	2.01	ng		75
27) N-Nitroso-di-n-propyla...	5.758	70	2586	2.12	ng		67
28) 3&4-Methylphenol	5.769	108	3465	2.03	ng		76
31) Nitrobenzene	5.892	77	3387	1.88	ng		85
32) Isophorone	6.079	82	6049	1.75	ng		89
33) 2-Nitrophenol	6.143	139	1519	1.68	ng		82
34) 2,4-Dimethylphenol	6.180	107	2768	1.69	ng		82
35) Benzoic Acid	0.000		0	N.D.	d		
36) bis(2-Chloroethoxy)met...	6.255	93	4008	2.06	ng		94
37) 2,4-Dichlorophenol	6.330	162	2257	1.61	ng		89
38) 1,2,4-Trichlorobenzene	6.389	180	2901	1.97	ng		92
39) Naphthalene	6.448	128	10213	2.05	ng		99
40) 4-Chloroaniline	6.496	127	3008	1.78	ng		85
41) Hexachlorobutadiene	6.539	225	1365	2.13	ng		79
42) Caprolactam	6.737	113	1127	1.75	ng		86
43) 4-Chloro-3-methylphenol	6.854	107	2830	1.88	ng		68
44) 2-Methylnaphthalene	6.967	142	6993	2.08	ng		84
45) Methylnaphthalenes (To...	6.967	142	6993	2.08	ng		84
46) 1,1'-Biphenyl	7.330	154	9383	2.13	ng		90
48) 1,2,4,5-Tetrachloroben...	7.095	216	2538	1.78	ng		82
49) Hexachlorocyclopentadiene	7.084	237	54	0.11	ng	#	35
50) 2,4,6-Trichlorophenol	7.186	196	1622	1.75	ng		85
51) 2,4,5-Trichlorophenol	7.218	196	1613	1.62	ng		89
53) 2-Chloronaphthalene	7.346	162	6327	2.02	ng		98
54) 1,4-Dimethylnaphthalene	7.614	156	5627	2.03	ng		94
55) Dimethylnaphthalenes (...	7.614	156	5627	2.03	ng		94
56) Diphenyl Ether	7.416	170	4530	1.87	ng		62
57) 2-Nitroaniline	7.432	65	1962	1.62	ng		58
58) Coumarin	7.603	146	2407	1.69	ng		86
59) Acenaphthylene	7.689	152	11042	2.08	ng		99
60) Dimethylphthalate	7.571	163	6987	1.97	ng		93
61) 2,6-Dinitrotoluene	7.625	165	1302	1.63	ng		72
62) Acenaphthene	7.833	153	6396	2.01	ng		90
63) 3-Nitroaniline	7.769	138	1652	1.79	ng		67
64) 2,4-Dinitrophenol	0.000		0	N.D.			
65) Dibenzofuran	7.983	168	9131	1.98	ng		82

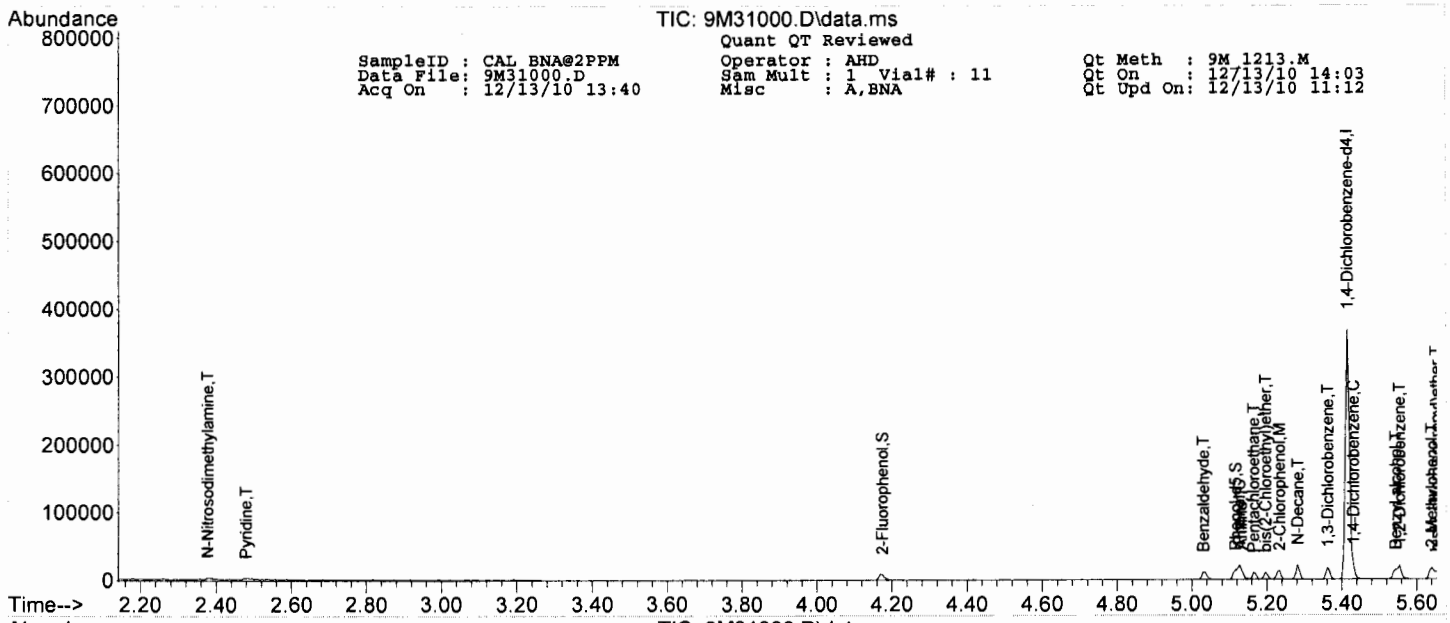
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31000.D Sam Mult : 1 Vial# : 11 Qt On : 12/13/10 14:03
Acq On : 12/13/10 13:40 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66)	2,4-Dinitrotoluene	7.972	165	1571	1.47	ng		83
67)	4-Nitrophenol	7.919	65	1120	1.56	ng		72
68)	2,3,4,6-Tetrachlorophenol	8.095	232	982	1.44	ng		85
69)	Fluorene	8.293	166	7570	1.96	ng		94
70)	4-Chlorophenyl-phenyle...	8.293	204	3143	1.85	ng		84
71)	Diethylphthalate	8.181	149	6774	1.91	ng		96
72)	4-Nitroaniline	8.315	138	2021	1.87	ng		74
73)	Atrazine	8.930	200	1661	1.67	ng		76
75)	4,6-Dinitro-2-methylph...	8.352	198	290	0.51	ng		45
76)	n-Nitrosodiphenylamine	8.406	169	6230	1.90	ng		92
78)	1,2-Diphenylhydrazine	8.443	77	6916	1.97	ng		80
79)	4-Bromophenyl-phenylether	8.764	248	1441	1.85	ng		88
80)	Hexachlorobenzene	8.823	284	1432	2.02	ng		87
81)	N-Octadecane	9.106	57	3484	1.71	ng		62
82)	Pentachlorophenol	9.026	266	205	0.53	ng	#	20
83)	Phenanthrene	9.251	178	11293	2.15	ng		89
84)	Anthracene	9.304	178	10831	2.01	ng		91
85)	Carbazole	9.475	167	9857	1.88	ng		98
86)	Di-n-butylphthalate	9.866	149	10216	1.76	ng		94
87)	Fluoranthene	10.561	202	10873	1.96	ng		89
89)	Pyrene	10.818	202	10630	1.76	ng		87
90)	Benzidine	10.732	184	2390	1.01	ng		84
92)	p,p'-DDE	10.951	246	1409	1.62	ng		91
93)	p,p'-DDD	11.353	235	3773	1.96	ng		93
94)	Butylbenzylphthalate	11.615	149	5101	1.83	ng		67
95)	p,p'-DDT	11.706	235	2144	1.41	ng		83
96)	3,3'-Dichlorobenzidine	12.224	252	2572	1.99	ng		97
97)	Benzo[a]anthracene	12.235	228	10193	1.95	ng		93
98)	Chrysene	12.278	228	10121	2.04	ng		90
99)	bis(2-Ethylhexyl)phtha...	12.315	149	6547	1.70	ng		96
101)	Di-n-octylphthalate	13.064	149	11210	1.64	ng		98
102)	Benzo[b]fluoranthene	13.444	252	8555	1.84	ng		95
103)	Benzo[k]fluoranthene	13.471	252	8514	1.89	ng		91
104)	Benzo[a]pyrene	13.786	252	8301	1.87	ng		92
105)	Indeno[1,2,3-cd]pyrene	14.974	276	8680	2.03	ng		98
106)	Dibenzo[a,h]anthracene	14.990	278	7648	2.11	ng		94
107)	Benzo[g,h,i]perylene	15.289	276	8027	2.23	ng		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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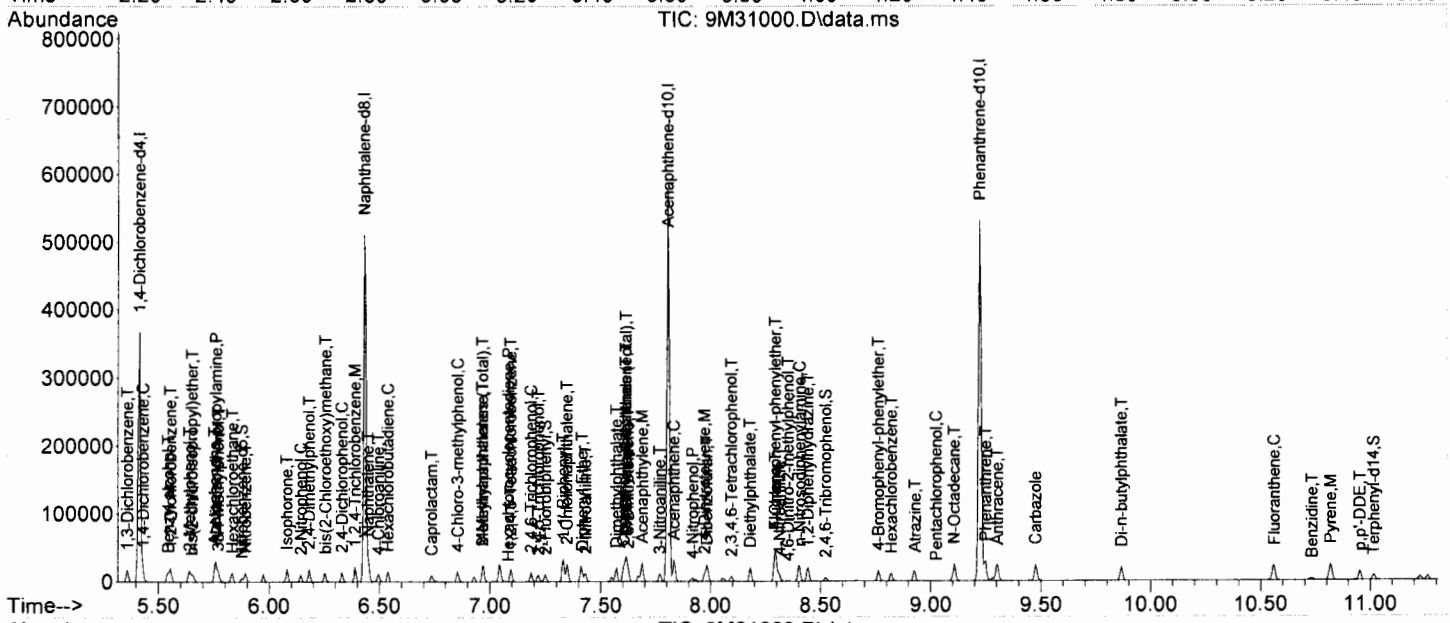
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M31000.D
Acq On : 12/13/10 13:40
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:03
Qt Upd On: 12/13/10 11:12
Abundance
Time-->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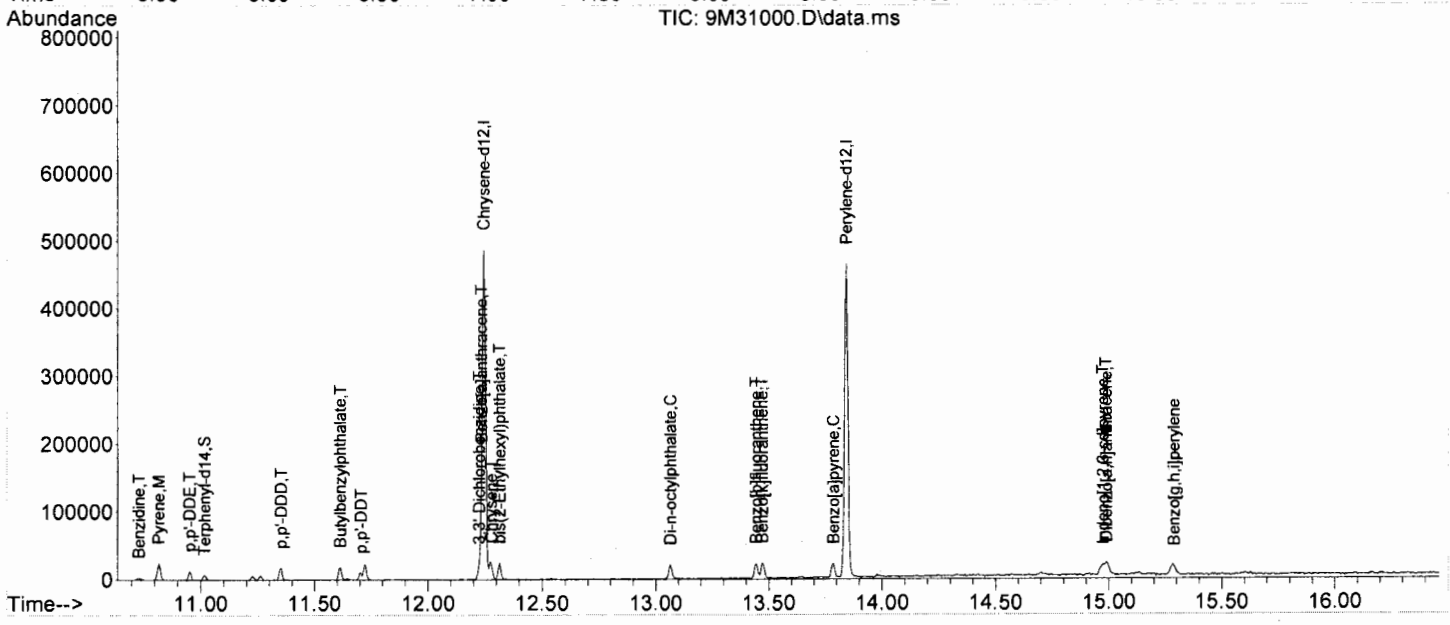
Abundance
Time-->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Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 9M30998.D
Acq On : 12/13/10 12:54

Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA

Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:03
Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	49498	40.00	ng	-0.05
29) Naphthalene-d8	6.432	136	202007	40.00	ng	-0.05
47) Acenaphthene-d10	7.806	164	122159	40.00	ng	-0.05
74) Phenanthrene-d10	9.224	188	204620	40.00	ng	-0.06
88) Chrysene-d12	12.246	240	191836	40.00	ng	-0.06
100) Perylene-d12	13.845	264	163733	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	15986	9.98	ng	-0.05
Spiked Amount 100.000			Recovery = 9.98%			
15) Phenol-d5	5.111	99	24709	10.68	ng	-0.04
Spiked Amount 100.000			Recovery = 10.68%			
30) Nitrobenzene-d5	5.875	128	4084	4.76	ng	-0.05
Spiked Amount 50.000			Recovery = 9.52%			
52) 2-Fluorobiphenyl	7.250	172	19495	5.24	ng	-0.05
Spiked Amount 50.000			Recovery = 10.48%			
77) 2,4,6-Tribromophenol	8.523	330	3018	10.47	ng	-0.06
Spiked Amount 100.000			Recovery = 10.47%			
91) Terphenyl-d14	11.015	244	18470	5.27	ng	-0.06
Spiked Amount 50.000			Recovery = 10.54%			
Target Compounds						Qvalue
8) Pyridine	2.420	79	15481	9.20	ng	67
9) N-Nitrosodimethylamine	2.356	74	9758	9.90	ng	81
11) Benzaldehyde	5.030	77	14698	15.15	ng	90
12) Aniline	5.132	93	21517	8.20	ng	9
13) Pentachloroethane	5.169	117	6032	10.39	ng	91
14) bis(2-Chloroethyl)ether	5.196	93	17775	10.86	ng	84
16) Phenol	5.127	94	26386	10.33	ng	79
17) 2-Chlorophenol	5.234	128	18766	10.92	ng	77
18) N-Decane	5.282	57	18502	10.58	ng	88
19) 1,3-Dichlorobenzene	5.362	146	18774	10.15	ng	97
20) 1,4-Dichlorobenzene	5.431	146	19904	10.55	ng	97
21) 1,2-Dichlorobenzene	5.554	146	18717	10.56	ng	96
22) Benzyl alcohol	5.538	108	12341	9.98	ng	95
23) bis(2-chloroisopropyl)...	5.656	45	22322	11.46	ng	55
24) 2-Methylphenol	5.640	108	18979	11.54	ng	84
25) Acetophenone	5.752	105	26625	10.96	ng	72
26) Hexachloroethane	5.833	117	8004	11.42	ng	93
27) N-Nitroso-di-n-propyla...	5.758	70	15595	11.98	ng	78
28) 3&4-Methylphenol	5.768	108	18769	10.29	ng	93
31) Nitrobenzene	5.891	77	22529	11.61	ng	88
32) Isophorone	6.079	82	40282	10.84	ng	100
33) 2-Nitrophenol	6.143	139	9821	10.07	ng	84
34) 2,4-Dimethylphenol	6.180	107	19098	10.85	ng	94
35) Benzoic Acid	6.239	105	6009m	7.90	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	22948	10.94	ng	96
37) 2,4-Dichlorophenol	6.330	162	14622	9.69	ng	89
38) 1,2,4-Trichlorobenzene	6.389	180	15918	10.02	ng	99
39) Naphthalene	6.448	128	57330	10.66	ng	98
40) 4-Chloroaniline	6.496	127	16658	9.15	ng	93
41) Hexachlorobutadiene	6.539	225	7200	10.44	ng	91
42) Caprolactam	6.742	113	8004	11.52	ng	68
43) 4-Chloro-3-methylphenol	6.854	107	18401	11.35	ng	88
44) 2-Methylnaphthalene	6.972	142	37431	10.32	ng	98
45) Methylnaphthalenes (To...	6.972	142	37431	10.32	ng	98
46) 1,1'-Biphenyl	7.330	154	49683	10.46	ng	94
48) 1,2,4,5-Tetrachloroben...	7.095	216	15463	10.34	ng	96
49) Hexachlorocyclopentadiene	7.084	237	2385	4.79	ng	96
50) 2,4,6-Trichlorophenol	7.186	196	9827	10.10	ng	96
51) 2,4,5-Trichlorophenol	7.218	196	10259	9.78	ng	93
53) 2-Chloronaphthalene	7.346	162	35447	10.78	ng	92
54) 1,4-Dimethylnaphthalene	7.614	156	31484	10.82	ng	85
55) Dimethylnaphthalenes (...	7.614	156	31484	10.82	ng	85
56) Diphenyl Ether	7.410	170	26121	10.24	ng	82
57) 2-Nitroaniline	7.426	65	16307	12.82	ng	85
58) Coumarin	7.603	146	15742	10.53	ng	85
59) Acenaphthylene	7.689	152	56633	10.14	ng	99
60) Dimethylphthalate	7.571	163	38828	10.41	ng	95
61) 2,6-Dinitrotoluene	7.630	165	8759	10.43	ng	55
62) Acenaphthene	7.833	153	32821	9.80	ng	93
63) 3-Nitroaniline	7.769	138	9947	10.27	ng	80
64) 2,4-Dinitrophenol	7.865	184	2083	4.94	ng	89
65) Dibenzofuran	7.988	168	50312	10.35	ng	75

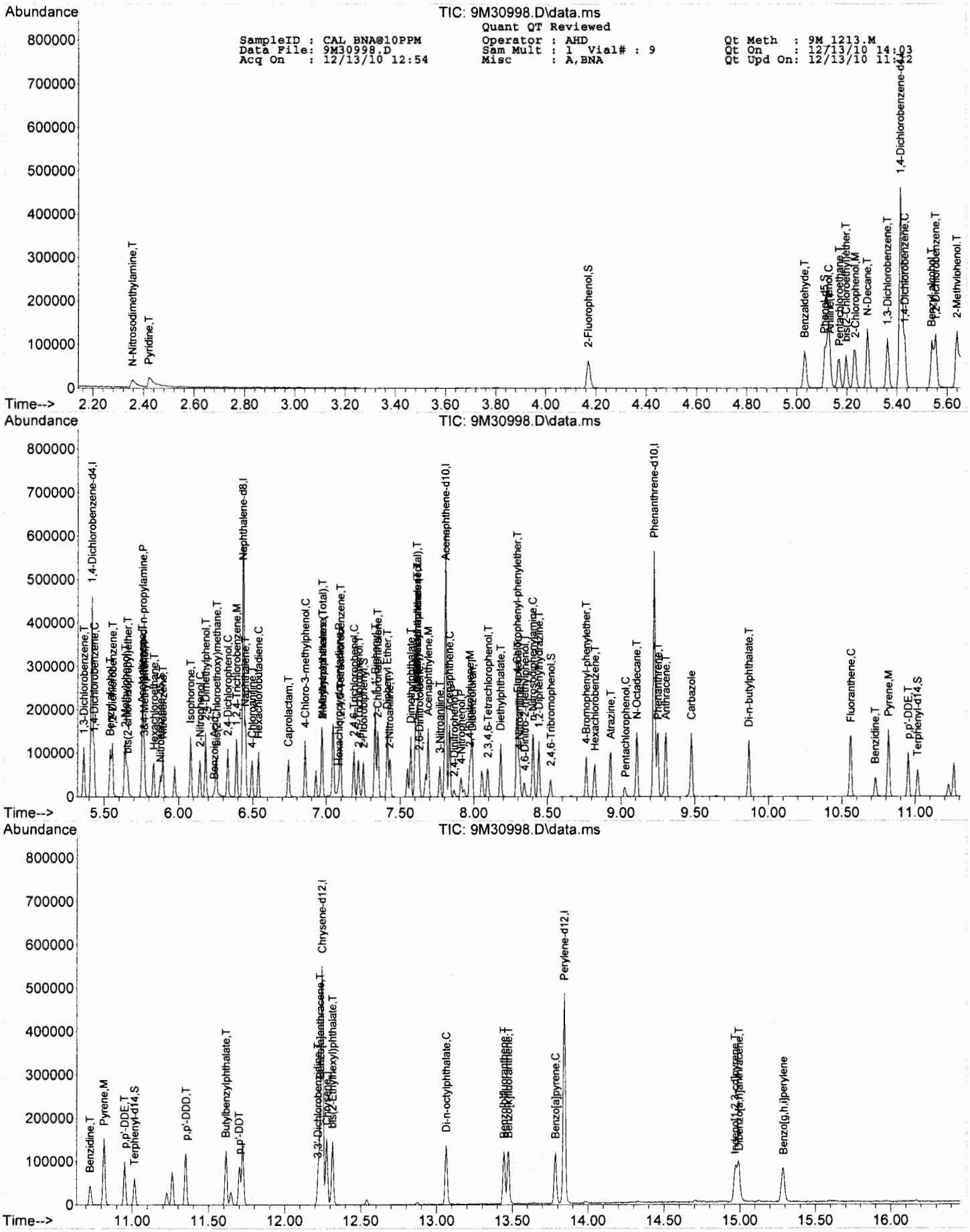
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30998.D Sam Mult : 1 Vial# : 9 Qt On : 12/13/10 14:03
Acq On : 12/13/10 12:54 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.972	165	11779	10.45	ng	66
67) 4-Nitrophenol	7.913	65	6727	8.90	ng	88
68) 2,3,4,6-Tetrachlorophenol	8.095	232	6909	9.63	ng	86
69) Fluorene	8.298	166	43650	10.74	ng	90
70) 4-Chlorophenyl-phenyle...	8.293	204	18441	10.33	ng	83
71) Diethylphthalate	8.181	149	37005	9.90	ng	95
72) 4-Nitroaniline	8.309	138	11423	10.06	ng	82
73) Atrazine	8.929	200	10344	9.91	ng	87
75) 4,6-Dinitro-2-methylph...	8.346	198	4672	7.74	ng	59
76) n-Nitrosodiphenylamine	8.400	169	37815	10.80	ng	85
78) 1,2-Diphenylhydrazine	8.443	77	40930	10.91	ng	85
79) 4-Bromophenyl-phenylether	8.764	248	8540	10.26	ng	86
80) Hexachlorobenzene	8.822	284	8271	10.94	ng	73
81) N-Octadecane	9.106	57	23925	11.03	ng	82
82) Pentachlorophenol	9.031	266	3124	7.58	ng	86
83) Phenanthrene	9.250	178	58662	10.48	ng	95
84) Anthracene	9.304	178	60400	10.48	ng	96
85) Carbazole	9.475	167	59421	10.59	ng	97
86) Di-n-butylphthalate	9.865	149	63186	10.17	ng	97
87) Fluoranthene	10.561	202	60692	10.26	ng	91
89) Pyrene	10.818	202	63806	10.08	ng	92
90) Benzidine	10.727	184	20038	8.11	ng	88
92) p,p'-DDE	10.951	246	9611	10.55	ng	92
93) p,p'-DDD	11.352	235	20524	10.21	ng	90
94) Butylbenzylphthalate	11.614	149	29052	9.97	ng	77
95) p,p'-DDT	11.700	235	16510	10.38	ng	96
96) 3,3'-Dichlorobenzidine	12.219	252	15341	11.37	ng	89
97) Benzo[a]anthracene	12.235	228	56260	10.27	ng	96
98) Chrysene	12.278	228	53317	10.26	ng	93
99) bis(2-Ethylhexyl)phtha...	12.315	149	40027	9.96	ng	93
101) Di-n-octylphthalate	13.064	149	69471	10.01	ng	96
102) Benzo[b]fluoranthene	13.444	252	47120	10.00	ng	97
103) Benzo[k]fluoranthene	13.476	252	46945	10.29	ng	98
104) Benzo[a]pyrene	13.786	252	45138	10.04	ng	96
105) Indeno[1,2,3-cd]pyrene	14.968	276	45844	10.57	ng	96
106) Dibenzo[a,h]anthracene	14.995	278	38602	10.54	ng	95
107) Benzo[g,h,i]perylene	15.289	276	38891	10.67	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M30998.D
Acq On : 12/13/10 12:54
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:03
Qt Upd On: 12/13/10 11:12
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30997.D Sam Mult : 1 Vial# : 8 Qt On : 12/13/10 14:02
Acq On : 12/13/10 12:31 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	48053	40.00	ng	-0.05
29) Naphthalene-d8	6.437	136	195055	40.00	ng	-0.05
47) Acenaphthene-d10	7.806	164	116219	40.00	ng	-0.05
74) Phenanthrene-d10	9.224	188	200765	40.00	ng	-0.06
88) Chrysene-d12	12.251	240	187422	40.00	ng	-0.06
100) Perylene-d12	13.845	264	159624	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	31285	20.13	ng	-0.05
Spiked Amount 100.000			Recovery = 20.13%			
15) Phenol-d5	5.111	99	48487	21.59	ng	-0.04
Spiked Amount 100.000			Recovery = 21.59%			
30) Nitrobenzene-d5	5.875	128	9150	11.05	ng	-0.05
Spiked Amount 50.000			Recovery = 22.10%			
52) 2-Fluorobiphenyl	7.250	172	36420	10.28	ng	-0.05
Spiked Amount 50.000			Recovery = 20.56%			
77) 2,4,6-Tribromophenol	8.523	330	6356	22.48	ng	-0.06
Spiked Amount 100.000			Recovery = 22.48%			
91) Terphenyl-d14	11.015	244	34836	10.17	ng	-0.06
Spiked Amount 50.000			Recovery = 20.34%			
Target Compounds						Qvalue
8) Pyridine	2.410	79	30588	18.71	ng	67
9) N-Nitrosodimethylamine	2.351	74	20638	21.58	ng	76
11) Benzaldehyde	5.030	77	28742	30.52	ng	84
12) Aniline	5.132	93	46648	18.31	ng	14
13) Pentachloroethane	5.169	117	11813	20.96	ng	90
14) bis(2-Chloroethyl)ether	5.196	93	33672	21.18	ng	86
16) Phenol	5.127	94	51219	20.65	ng	67
17) 2-Chlorophenol	5.234	128	36808	22.06	ng	80
18) N-Decane	5.282	57	38073	22.42	ng	91
19) 1,3-Dichlorobenzene	5.362	146	36785	20.48	ng	95
20) 1,4-Dichlorobenzene	5.432	146	37995	20.75	ng	97
21) 1,2-Dichlorobenzene	5.555	146	36870	21.43	ng	99
22) Benzyl alcohol	5.538	108	25056	20.88	ng	85
23) bis(2-chloroisopropyl)...	5.656	45	43928	23.24	ng	65
24) 2-Methylphenol	5.640	108	37237	23.32	ng	94
25) Acetophenone	5.752	105	52711	22.35	ng	72
26) Hexachloroethane	5.833	117	15451	22.70	ng	93
27) N-Nitroso-di-n-propyla...	5.758	70	30310	23.98	ng	86
28) 3&4-Methylphenol	5.768	108	39887	22.52	ng	99
31) Nitrobenzene	5.891	77	42980	22.94	ng	85
32) Isophorone	6.079	82	67436	18.80	ng	93
33) 2-Nitrophenol	6.143	139	19412	20.61	ng	84
34) 2,4-Dimethylphenol	6.180	107	35823	21.07	ng	86
35) Benzoic Acid	6.250	105	15137m	20.60	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	41221	20.34	ng	99
37) 2,4-Dichlorophenol	6.330	162	30215	20.75	ng	84
38) 1,2,4-Trichlorobenzene	6.389	180	30798	20.08	ng	93
39) Naphthalene	6.453	128	107332	20.68	ng	100
40) 4-Chloroaniline	6.496	127	35829	20.38	ng	99
41) Hexachlorobutadiene	6.539	225	13395	20.11	ng	96
42) Caprolactam	6.747	113	14275	21.28	ng	62
43) 4-Chloro-3-methylphenol	6.854	107	31803	20.32	ng	82
44) 2-Methylnaphthalene	6.972	142	72784	20.78	ng	94
45) Methylnaphthalenes (To...	6.972	142	72784	20.78	ng	94
46) 1,1'-Biphenyl	7.330	154	92730	20.22	ng	91
48) 1,2,4,5-Tetrachloroben...	7.095	216	29098	20.45	ng	98
49) Hexachlorocyclopentadiene	7.084	237	5839	12.32	ng	94
50) 2,4,6-Trichlorophenol	7.186	196	19871	21.47	ng	97
51) 2,4,5-Trichlorophenol	7.218	196	20002	20.03	ng	91
53) 2-Chloronaphthalene	7.346	162	64944	20.76	ng	93
54) 1,4-Dimethylnaphthalene	7.619	156	56511	20.42	ng	83
55) Dimethylnaphthalenes (...	7.619	156	56511	20.42	ng	83
56) Diphenyl Ether	7.416	170	52282	21.55	ng	63
57) 2-Nitroaniline	7.432	65	22995	19.00	ng	29
58) Coumarin	7.603	146	29813	20.96	ng	73
59) Acenaphthylene	7.689	152	109598	20.62	ng	98
60) Dimethylphthalate	7.571	163	70302	19.82	ng	97
61) 2,6-Dinitrotoluene	7.630	165	16696	20.91	ng	58
62) Acenaphthene	7.833	153	65249	20.47	ng	93
63) 3-Nitroaniline	7.769	138	19926	21.62	ng	78
64) 2,4-Dinitrophenol	7.865	184	7087	17.66	ng	81
65) Dibenzofuran	7.988	168	97402	21.07	ng	77

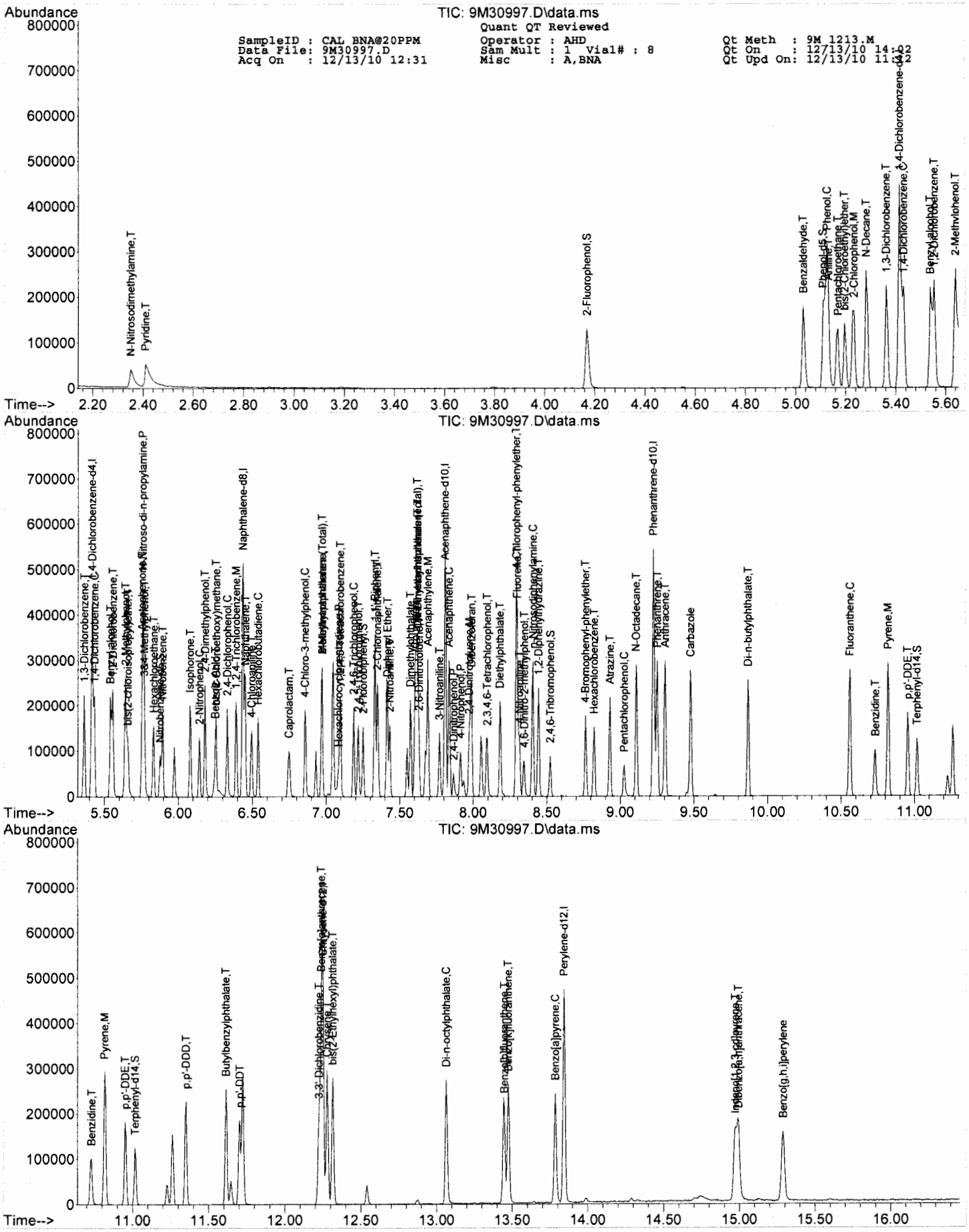
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30997.D Sam Mult : 1 Vial# : 8 Qt On : 12/13/10 14:02
Acq On : 12/13/10 12:31 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.972	165	20958	19.54	ng	73
67)	4-Nitrophenol	7.913	65	13785	19.16	ng	84
68)	2,3,4,6-Tetrachlorophenol	8.095	232	14464	21.19	ng	84
69)	Fluorene	8.298	166	81376	21.04	ng	89
70)	4-Chlorophenyl-phenyle...	8.293	204	34703	20.43	ng	83
71)	Diethylphthalate	8.181	149	69101	19.43	ng	99
72)	4-Nitroaniline	8.314	138	22982	21.28	ng	78
73)	Atrazine	8.930	200	20340	20.48	ng	92
75)	4,6-Dinitro-2-methylph...	8.347	198	10696	18.06	ng	71
76)	n-Nitrosodiphenylamine	8.405	169	73966	21.53	ng	86
78)	1,2-Diphenylhydrazine	8.443	77	76736	20.85	ng	78
79)	4-Bromophenyl-phenylether	8.764	248	17310	21.21	ng	94
80)	Hexachlorobenzene	8.823	284	15215	20.50	ng	82
81)	N-Octadecane	9.106	57	47056	22.10	ng	75
82)	Pentachlorophenol	9.026	266	6774	16.75	ng	95
83)	Phenanthrene	9.250	178	113210	20.61	ng	93
84)	Anthracene	9.304	178	119227	21.08	ng	95
85)	Carbazole	9.475	167	117216	21.28	ng	94
86)	Di-n-butylphthalate	9.866	149	127553	20.92	ng	98
87)	Fluoranthene	10.561	202	116949	20.15	ng	96
89)	Pyrene	10.818	202	123373	19.95	ng	89
90)	Benzidine	10.732	184	44443	18.41	ng	86
92)	p,p'-DDE	10.951	246	17480	19.63	ng	97
93)	p,p'-DDD	11.352	235	39514	20.12	ng	90
94)	Butylbenzylphthalate	11.615	149	56973	20.01	ng	72
95)	p,p'-DDT	11.705	235	32179	20.71	ng	96
96)	3,3'-Dichlorobenzidine	12.224	252	28404	21.54	ng	94
97)	Benzo[a]anthracene	12.240	228	108658	20.31	ng	95
98)	Chrysene	12.278	228	104704	20.61	ng	93
99)	bis(2-Ethylhexyl)phtha...	12.315	149	76617	19.51	ng	94
101)	Di-n-octylphthalate	13.064	149	138210	20.42	ng	99
102)	Benzo[b]fluoranthene	13.449	252	91695	19.96	ng	93
103)	Benzo[k]fluoranthene	13.476	252	93026	20.91	ng	97
104)	Benzo[a]pyrene	13.786	252	89965	20.53	ng	94
105)	Indeno[1,2,3-cd]pyrene	14.973	276	86747	20.51	ng	98
106)	Dibenzo[a,h]anthracene	14.995	278	76331	21.37	ng	97
107)	Benzo[g,h,i]perylene	15.289	276	74813	21.06	ng	96

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


TIC: 9M30997.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M30997.D
Acq On : 12/13/10 12:31
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:02
Qt Upd On: 12/13/10 11:42
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,4-Dichlorobenzene-d4,I
Benzyl alcohol,T
1,2-Dichlorobenzene,T
2-Methylphenol,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
2,6-Dinitrotoluene,T
3-Nitroaniline,T
Acenaphthene-d10,I
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Fluorene,C
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30995.D Sam Mult : 1 Vial# : 6 Qt On : 12/13/10 12:23
Acq On : 12/13/10 11:44 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.416	152	52615	40.00	ng	-0.05
29) Naphthalene-d8	6.437	136	213738	40.00	ng	-0.05
47) Acenaphthene-d10	7.812	164	119391	40.00	ng	-0.05
74) Phenanthrene-d10	9.229	188	201190	40.00	ng	-0.05
88) Chrysene-d12	12.257	240	169206	40.00	ng	-0.05
100) Perylene-d12	13.845	264	137863	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	152484	89.59	ng	-0.05
Spiked Amount 100.000			Recovery = 89.59%			
15) Phenol-d5	5.116	99	216073	87.88	ng	-0.04
Spiked Amount 100.000			Recovery = 87.88%			
30) Nitrobenzene-d5	5.881	128	36437	40.17	ng	-0.04
Spiked Amount 50.000			Recovery = 80.34%			
52) 2-Fluorobiphenyl	7.250	172	145848	40.09	ng	-0.05
Spiked Amount 50.000			Recovery = 80.18%			
77) 2,4,6-Tribromophenol	8.529	330	24550	86.64	ng	-0.05
Spiked Amount 100.000			Recovery = 86.64%			
91) Terphenyl-d14	11.021	244	129817	41.96	ng	-0.05
Spiked Amount 50.000			Recovery = 83.92%			
Target Compounds						Qvalue
8) Pyridine	2.399	79	157173	87.83	ng	68
9) N-Nitrosodimethylamine	2.356	74	90998	86.89	ng	75
11) Benzaldehyde	5.036	77	129114	125.22	ng	86
12) Aniline	5.132	93	246537	88.39	ng	17
13) Pentachloroethane	5.170	117	50133	81.25	ng	88
14) bis(2-Chloroethyl)ether	5.202	93	148995	85.61	ng	83
16) Phenol	5.132	94	232599	85.64	ng	57
17) 2-Chlorophenol	5.234	128	160335	87.76	ng	85
18) N-Decane	5.287	57	164544	88.50	ng	87
19) 1,3-Dichlorobenzene	5.368	146	165450	84.14	ng	99
20) 1,4-Dichlorobenzene	5.432	146	163862	81.73	ng	98
21) 1,2-Dichlorobenzene	5.555	146	155695	82.66	ng	97
22) Benzyl alcohol	5.544	108	108521	82.58	ng	86
23) bis(2-chloroisopropyl)...	5.656	45	188834	91.22	ng	72
24) 2-Methylphenol	5.640	108	152549	87.24	ng	97
25) Acetophenone	5.758	105	224804	87.04	ng	73
26) Hexachloroethane	5.833	117	65461	87.83	ng	99
27) N-Nitroso-di-n-propyla...	5.763	70	129317	93.43	ng	82
28) 3&4-Methylphenol	5.774	108	160314	82.67	ng	96
31) Nitrobenzene	5.897	77	181540	88.44	ng	90
32) Isophorone	6.084	82	328376	83.55	ng	97
33) 2-Nitrophenol	6.148	139	85081	82.42	ng	94
34) 2,4-Dimethylphenol	6.186	107	165404	88.77	ng	97
35) Benzoic Acid	6.277	105	97175m	120.68	ng	
36) bis(2-Chloroethoxy)met...	6.255	93	187376	84.39	ng	99
37) 2,4-Dichlorophenol	6.336	162	124251	77.86	ng	89
38) 1,2,4-Trichlorobenzene	6.394	180	134879	80.24	ng	98
39) Naphthalene	6.453	128	466293	81.97	ng	99
40) 4-Chloroaniline	6.496	127	161357	83.78	ng	98
41) Hexachlorobutadiene	6.539	225	56269	77.11	ng	97
42) Caprolactam	6.785	113	59576	81.03	ng	57
43) 4-Chloro-3-methylphenol	6.865	107	136991	79.88	ng	76
44) 2-Methylnaphthalene	6.972	142	304781	79.42	ng	92
45) Methylnaphthalenes (To...	6.972	142	304781	79.42	ng	92
46) 1,1'-Biphenyl	7.330	154	376038	74.81	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	121116	82.87	ng	96
49) Hexachlorocyclopentadiene	7.084	237	37899	77.86	ng	98
50) 2,4,6-Trichlorophenol	7.191	196	77637	81.67	ng	97
51) 2,4,5-Trichlorophenol	7.223	196	83588	81.50	ng	97
53) 2-Chloronaphthalene	7.352	162	261199	81.28	ng	91
54) 1,4-Dimethylnaphthalene	7.619	156	228276	80.28	ng	81
55) Dimethylnaphthalenes (...	7.619	156	228276	80.28	ng	81
56) Diphenyl Ether	7.416	170	201830	80.99	ng	68
57) 2-Nitroaniline	7.437	65	94603	76.08	ng	42
58) Coumarin	7.614	146	116053	79.44	ng	72
59) Acenaphthylene	7.694	152	436017	79.85	ng	99
60) Dimethylphthalate	7.582	163	285725	78.41	ng	99
61) 2,6-Dinitrotoluene	7.635	165	64848	79.05	ng	56
62) Acenaphthene	7.839	153	258922	79.08	ng	91
63) 3-Nitroaniline	7.774	138	77402	81.76	ng	77
64) 2,4-Dinitrophenol	7.871	184	36471	88.45	ng	85
65) Dibenzofuran	7.988	168	378078	79.59	ng	80

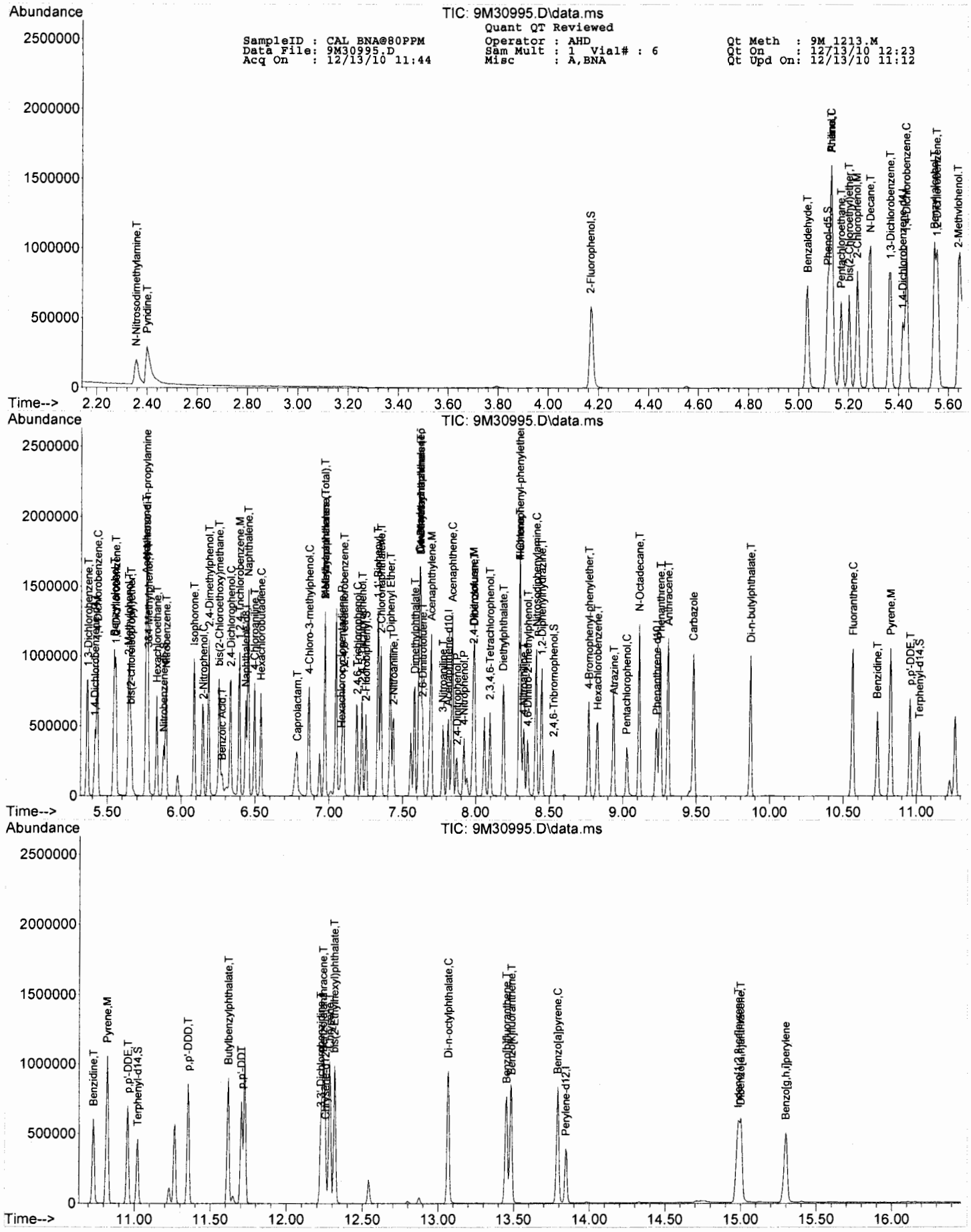
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30995.D Sam Mult : 1 Vial# : 6 Qt On : 12/13/10 12:23
Acq On : 12/13/10 11:44 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.983	165	89546	81.26	ng	68
67) 4-Nitrophenol	7.919	65	54927	74.32	ng	86
68) 2,3,4,6-Tetrachlorophenol	8.095	232	58538	83.46	ng	85
69) Fluorene	8.299	166	312215	78.59	ng	93
70) 4-Chlorophenyl-phenyle...	8.299	204	139545	79.98	ng	78
71) Diethylphthalate	8.186	149	275640	75.46	ng	97
72) 4-Nitroaniline	8.325	138	90141	81.24	ng	76
73) Atrazine	8.940	200	78518	76.96	ng	89
75) 4,6-Dinitro-2-methylph...	8.352	198	49743	83.83	ng	55
76) n-Nitrosodiphenylamine	8.411	169	279979	81.34	ng	88
78) 1,2-Diphenylhydrazine	8.448	77	307105	83.27	ng	80
79) 4-Bromophenyl-phenylether	8.769	248	67086	82.01	ng	91
80) Hexachlorobenzene	8.828	284	58841	79.12	ng	69
81) N-Octadecane	9.112	57	181802	85.21	ng	75
82) Pentachlorophenol	9.026	266	36127	89.16	ng	93
83) Phenanthrene	9.256	178	437959	79.58	ng	96
84) Anthracene	9.309	178	455258	80.32	ng	97
85) Carbazole	9.481	167	446766	80.95	ng	94
86) Di-n-butylphthalate	9.871	149	500772	81.97	ng	97
87) Fluoranthene	10.566	202	456719	78.51	ng	89
89) Pyrene	10.823	202	470512	84.29	ng	89
90) Benzidine	10.732	184	245859	112.83	ng	86
92) p,p'-DDE	10.957	246	66084	82.22	ng	95
93) p,p'-DDD	11.353	235	150444	84.84	ng	92
94) Butylbenzylphthalate	11.620	149	215553	83.88	ng	75
95) p,p'-DDT	11.706	235	124135	88.51	ng	98
96) 3,3'-Dichlorobenzidine	12.224	252	97609	81.99	ng	96
97) Benzo[a]anthracene	12.241	228	398026	82.41	ng	96
98) Chrysene	12.283	228	369671	80.62	ng	95
99) bis(2-Ethylhexyl)phtha...	12.315	149	292665	82.56	ng	95
101) Di-n-octylphthalate	13.070	149	518422	88.70	ng	100
102) Benzo[b]fluoranthene	13.455	252	326651	82.35	ng	96
103) Benzo[k]fluoranthene	13.487	252	333418	86.77	ng	94
104) Benzo[a]pyrene	13.792	252	320138	84.58	ng	95
105) Indeno[1,2,3-cd]pyrene	14.984	276	305367	83.59	ng	79
106) Dibenzo[a,h]anthracene	15.000	278	254582	82.54	ng	99
107) Benzo[g,h,i]perylene	15.300	276	252675	82.36	ng	96

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


TIC: 9M30995.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M30995.D
Acq On : 12/13/10 11:44
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 12:23
Qt Upd On: 12/13/10 11:12
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31002.D Sam Mult : 1 Vial# : 5 Qt On : 12/13/10 15:26
Acq On : 12/13/10 15:08 Misc : A,BNA Qt Upd On: 12/13/10 15:07

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.415	152	51309	40.00	ng	0.00
29) Naphthalene-d8	6.437	136	191019	40.00	ng	0.00
47) Acenaphthene-d10	7.812	164	116379	40.00	ng	0.00
74) Phenanthrene-d10	9.229	188	194631	40.00	ng	0.00
88) Chrysene-d12	12.256	240	171955	40.00	ng	0.00
100) Perylene-d12	13.850	264	142555	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	226330	124.69	ng	0.00
Spiked Amount 100.000			Recovery = 124.69%			
15) Phenol-d5	5.121	99	304242	120.03	ng	0.00
Spiked Amount 100.000			Recovery = 120.03%			
30) Nitrobenzene-d5	5.881	128	51720	62.42	ng	0.00
Spiked Amount 50.000			Recovery = 124.84%			
52) 2-Fluorobiphenyl	7.255	172	216806	62.34	ng	0.00
Spiked Amount 50.000			Recovery = 124.68%			
77) 2,4,6-Tribromophenol	8.534	330	37859	128.90	ng	0.00
Spiked Amount 100.000			Recovery = 128.90%			
91) Terphenyl-d14	11.021	244	202477	62.29	ng	0.00
Spiked Amount 50.000			Recovery = 124.58%			
Target Compounds						Qvalue
8) Pyridine	2.388	79	219934	113.54	ng	65
9) N-Nitrosodimethylamine	2.351	74	128198	122.18	ng	73
11) Benzaldehyde	5.036	77	126491	89.25	ng	68
12) Aniline	5.132	93	370798	121.12	ng	25
13) Pentachloroethane	5.169	117	67094	111.90	ng	85
14) bis(2-Chloroethyl)ether	5.201	93	196461	112.54	ng	80
16) Phenol	5.132	94	332552	118.99	ng	83
17) 2-Chlorophenol	5.233	128	234409	119.39	ng	79
18) N-Decane	5.287	57	193516	105.96	ng	81
19) 1,3-Dichlorobenzene	5.367	146	225858	115.54	ng	95
20) 1,4-Dichlorobenzene	5.431	146	228625	115.27	ng	97
21) 1,2-Dichlorobenzene	5.554	146	212908	112.25	ng	98
22) Benzyl alcohol	5.544	108	153697	117.66	ng	73
23) bis(2-chloroisopropyl)...	5.656	45	224249	104.28	ng	86
24) 2-Methylphenol	5.645	108	222249	114.64	ng	87
25) Acetophenone	5.763	105	289662	110.88	ng	59
26) Hexachloroethane	5.833	117	85474	111.10	ng	92
27) N-Nitroso-di-n-propyla...	5.768	70	152445	103.66	ng	67
28) 3&4-Methylphenol	5.774	108	233220	118.37	ng	91
31) Nitrobenzene	5.897	77	209093	108.98	ng	81
32) Isophorone	6.089	82	407539	116.93	ng	84
33) 2-Nitrophenol	6.148	139	122683	129.24	ng	83
34) 2,4-Dimethylphenol	6.186	107	207427	118.94	ng	84
35) Benzoic Acid	6.287	105	148883m	120.85	ng	
36) bis(2-Chloroethoxy)met...	6.260	93	248535	120.14	ng	97
37) 2,4-Dichlorophenol	6.335	162	178589	126.26	ng	87
38) 1,2,4-Trichlorobenzene	6.394	180	181397	119.70	ng	97
39) Naphthalene	6.453	128	642719	119.11	ng	100
40) 4-Chloroaniline	6.496	127	221312	130.47	ng	98
41) Hexachlorobutadiene	6.544	225	77897	117.98	ng	96
42) Caprolactam	6.801	113	88427	128.15	ng	57
43) 4-Chloro-3-methylphenol	6.865	107	195588	120.42	ng	73
44) 2-Methylnaphthalene	6.972	142	430986	121.74	ng	89
45) Methylnaphthalenes (To...	6.972	142	430986	121.74	ng	89
46) 1,1'-Biphenyl	7.335	154	546856	120.66	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	171960	120.34	ng	98
49) Hexachlorocyclopentadiene	7.089	237	61659	120.41	ng	98
50) 2,4,6-Trichlorophenol	7.191	196	122143	127.49	ng	99
51) 2,4,5-Trichlorophenol	7.223	196	125223	124.77	ng	99
53) 2-Chloronaphthalene	7.352	162	380561	118.79	ng	92
54) 1,4-Dimethylnaphthalene	7.624	156	329714	117.86	ng	80
55) Dimethylnaphthalenes (...	7.624	156	329714	117.86	ng	80
56) Diphenyl Ether	7.416	170	290833	118.66	ng	73
57) 2-Nitroaniline	7.437	65	140616	119.03	ng	46
58) Coumarin	7.619	146	172165	120.71	ng	73
59) Acenaphthylene	7.694	152	642071	119.09	ng	99
60) Dimethylphthalate	7.587	163	418453	116.85	ng	98
61) 2,6-Dinitrotoluene	7.640	165	97718	121.70	ng	53
62) Acenaphthene	7.844	153	382458	119.46	ng	93
63) 3-Nitroaniline	7.779	138	113513	123.33	ng	84
64) 2,4-Dinitrophenol	7.870	184	58928	117.46	ng	86
65) Dibenzofuran	7.993	168	550173	116.00	ng	78

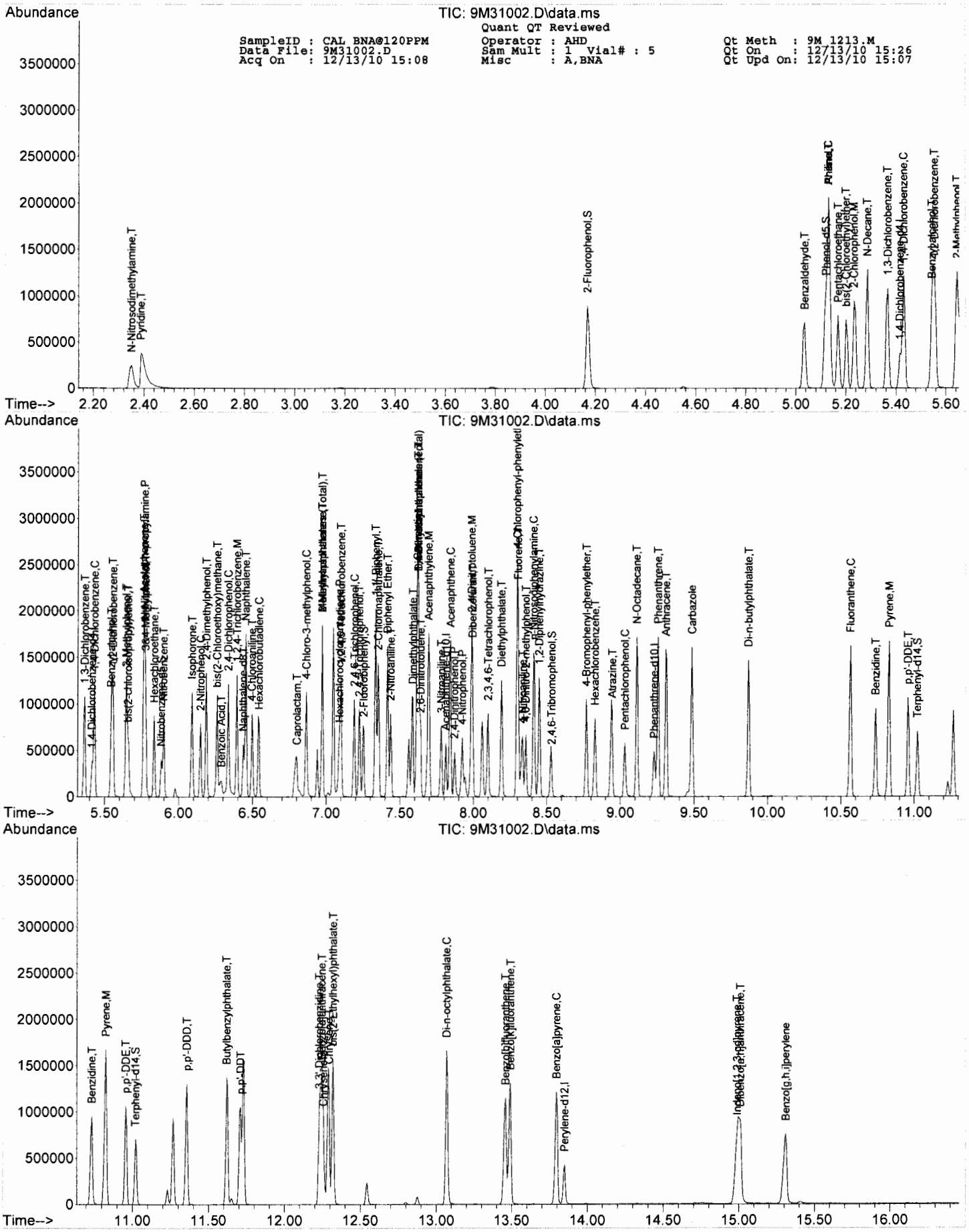
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M31002.D Sam Mult : 1 Vial# : 5 Qt On : 12/13/10 15:26
Acq On : 12/13/10 15:08 Misc : A,BNA Qt Upd On: 12/13/10 15:07

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.988	165	132206	122.67	ng	76
67)	4-Nitrophenol	7.924	65	88080	104.98	ng	82
68)	2,3,4,6-Tetrachlorophenol	8.100	232	88954	126.62	ng	87
69)	Fluorene	8.304	166	471974	119.23	ng	92
70)	4-Chlorophenyl-phenyle...	8.298	204	207778	121.93	ng	84
71)	Diethylphthalate	8.191	149	416627	119.24	ng	96
72)	4-Nitroaniline	8.336	138	139341	124.49	ng	75
73)	Atrazine	8.945	200	121637	121.16	ng	94
75)	4,6-Dinitro-2-methylph...	8.357	198	80140	123.23	ng	54
76)	n-Nitrosodiphenylamine	8.411	169	426363	125.03	ng	89
78)	1,2-Diphenylhydrazine	8.448	77	455467	117.24	ng	82
79)	4-Bromophenyl-phenylether	8.769	248	100347	124.31	ng	91
80)	Hexachlorobenzene	8.828	284	89690	121.97	ng	80
81)	N-Octadecane	9.111	57	277058	113.40	ng	76
82)	Pentachlorophenol	9.031	266	59504	127.10	ng	99
83)	Phenanthrene	9.256	178	660741	121.59	ng	96
84)	Anthracene	9.309	178	677075	122.03	ng	97
85)	Carbazole	9.486	167	677085	124.24	ng	94
86)	Di-n-butylphthalate	9.871	149	765158	125.46	ng	97
87)	Fluoranthene	10.566	202	701580	123.22	ng	93
89)	Pyrene	10.828	202	717056	126.57	ng	88
90)	Benzidine	10.737	184	374143	126.44	ng	85
92)	p,p'-DDE	10.957	246	105310	129.79	ng	95
93)	p,p'-DDD	11.358	235	231577	124.99	ng	91
94)	Butylbenzylphthalate	11.620	149	341766	126.91	ng	77
95)	p,p'-DDT	11.711	235	191895	130.55	ng	96
96)	3,3'-Dichlorobenzidine	12.230	252	156092	125.85	ng	98
97)	Benzo[a]anthracene	12.246	228	611358	122.86	ng	97
98)	Chrysene	12.294	228	566683	121.00	ng	95
99)	bis(2-Ethylhexyl)phtha...	12.320	149	451316	126.23	ng	93
101)	Di-n-octylphthalate	13.069	149	845927	131.59	ng	99
102)	Benzo[b]fluoranthene	13.460	252	517942	122.22	ng	98
103)	Benzo[k]fluoranthene	13.492	252	507332	125.10	ng	96
104)	Benzo[a]pyrene	13.797	252	495039	123.26	ng	99
105)	Indeno[1,2,3-cd]pyrene	14.989	276	467054	120.68	ng	96
106)	Dibenzo[a,h]anthracene	15.011	278	401268	121.50	ng	98
107)	Benzo[g,h,i]perylene	15.310	276	400806	121.40	ng	96

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


Abundance
TIC: 9M31002.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M31002.D
Acq On : 12/13/10 15:08
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M 1213.M
Qt On : 12/13/10 15:26
Qt Upd On: 12/13/10 15:07
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl alcohol,T
1,2-Dichlorobenzene,T
2-Methylphenol,T
Time-->

Abundance
TIC: 9M31002.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl alcohol,T
1,2-Dichlorobenzene,T
bis(2-chloroisopropyl)ether,T
2-Methylphenol,T
Hexachloroethane,T
Nitrobenzene-d5,S
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
2,6-Dinitrotoluene,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
Dibenzofuran,T
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Fluorene,C
4-Chlorophenyl-phenylether,T
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M31002.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30993.D Sam Mult : 1 Vial# : 4 Qt On : 12/13/10 11:17
Acq On : 12/13/10 10:58 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.416	152	46093	40.00	ng	-0.05
29) Naphthalene-d8	6.437	136	179656	40.00	ng	-0.05
47) Acenaphthene-d10	7.812	164	109217	40.00	ng	-0.05
74) Phenanthrene-d10	9.229	188	191208	40.00	ng	-0.05
88) Chrysene-d12	12.256	240	171088	40.00	ng	-0.05
100) Perylene-d12	13.850	264	138636	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	267065	179.11	ng	-0.05
Spiked Amount 100.000			Recovery = 179.11%			
15) Phenol-d5	5.121	99	391854	181.91	ng	-0.03
Spiked Amount 100.000			Recovery = 181.91%			
30) Nitrobenzene-d5	5.881	128	63612	83.44	ng	-0.04
Spiked Amount 50.000			Recovery = 166.88%			
52) 2-Fluorobiphenyl	7.255	172	266970	80.22	ng	-0.04
Spiked Amount 50.000			Recovery = 160.44%			
77) 2,4,6-Tribromophenol	8.534	330	45769	169.96	ng	-0.05
Spiked Amount 100.000			Recovery = 169.96%			
91) Terphenyl-d14	11.021	244	253786	81.13	ng	-0.05
Spiked Amount 50.000			Recovery = 162.26%			
Target Compounds						Qvalue
8) Pyridine	2.388	79	276754	176.53	ng	67
9) N-Nitrosodimethylamine	2.351	74	151567	165.20	ng	73
11) Benzaldehyde	5.036	77	206183	228.25	ng	79
12) Aniline	5.137	93	459879	188.20	ng	20
13) Pentachloroethane	5.169	117	87786	162.41	ng	89
14) bis(2-Chloroethyl)ether	5.207	93	258237	169.38	ng	79
16) Phenol	5.137	94	419013	176.11	ng	68
17) 2-Chlorophenol	5.239	128	291928	182.40	ng	77
18) N-Decane	5.287	57	244846	150.32	ng	83
19) 1,3-Dichlorobenzene	5.367	146	272930	158.43	ng	98
20) 1,4-Dichlorobenzene	5.432	146	276433	157.38	ng	96
21) 1,2-Dichlorobenzene	5.555	146	267622	162.18	ng	96
22) Benzyl alcohol	5.549	108	190919	165.85	ng	67
23) bis(2-chloroisopropyl)...	5.662	45	274510	151.38	ng	89
24) 2-Methylphenol	5.646	108	272426	177.83	ng	86
25) Acetophenone	5.763	105	345302	152.61	ng	61
26) Hexachloroethane	5.833	117	101957	156.16	ng	92
27) N-Nitroso-di-n-propyla...	5.769	70	180859	149.16	ng	70
28) 3&4-Methylphenol	5.779	108	282638	166.38	ng	87
31) Nitrobenzene	5.902	77	254777	147.67	ng	73
32) Isophorone	6.089	82	500074	151.37	ng	89
33) 2-Nitrophenol	6.148	139	148100	170.68	ng	88
34) 2,4-Dimethylphenol	6.191	107	256487	163.77	ng	85
35) Benzoic Acid	6.298	105	193872m	286.44	ng	
36) bis(2-Chloroethoxy)met...	6.261	93	296910	159.09	ng	98
37) 2,4-Dichlorophenol	6.335	162	221170	164.88	ng	89
38) 1,2,4-Trichlorobenzene	6.394	180	223070	157.88	ng	98
39) Naphthalene	6.453	128	767748	160.57	ng	99
40) 4-Chloroaniline	6.496	127	232700	143.74	ng	99
41) Hexachlorobutadiene	6.544	225	95836	156.25	ng	99
42) Caprolactam	6.806	113	106318	172.04	ng	67
43) 4-Chloro-3-methylphenol	6.865	107	241804	167.76	ng	74
44) 2-Methylnaphthalene	6.972	142	523231	162.21	ng	91
45) Methylnaphthalenes (To...	6.972	142	523231	162.21	ng	91
46) 1,1'-Biphenyl	7.336	154	663127	156.95	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	212417	158.87	ng	99
49) Hexachlorocyclopentadiene	7.090	237	80830	181.53	ng	97
50) 2,4,6-Trichlorophenol	7.191	196	148611	170.90	ng	99
51) 2,4,5-Trichlorophenol	7.229	196	157141	167.48	ng	98
53) 2-Chloronaphthalene	7.357	162	468196	159.26	ng	90
54) 1,4-Dimethylnaphthalene	7.625	156	405978	156.07	ng	79
55) Dimethylnaphthalenes (...	7.625	156	405978	156.07	ng	79
56) Diphenyl Ether	7.416	170	362560	159.05	ng	73
57) 2-Nitroaniline	7.437	65	139415	122.56	ng	56
58) Coumarin	7.619	146	211632	158.36	ng	71
59) Acenaphthylene	7.699	152	782534	156.65	ng	98
60) Dimethylphthalate	7.587	163	521581	156.47	ng	99
61) 2,6-Dinitrotoluene	7.641	165	121578	162.00	ng	57
62) Acenaphthene	7.844	153	465529	155.43	ng	92
63) 3-Nitroaniline	7.785	138	126181	145.71	ng	84
64) 2,4-Dinitrophenol	7.876	184	80893	214.45	ng	88
65) Dibenzofuran	7.994	168	676099	155.59	ng	80

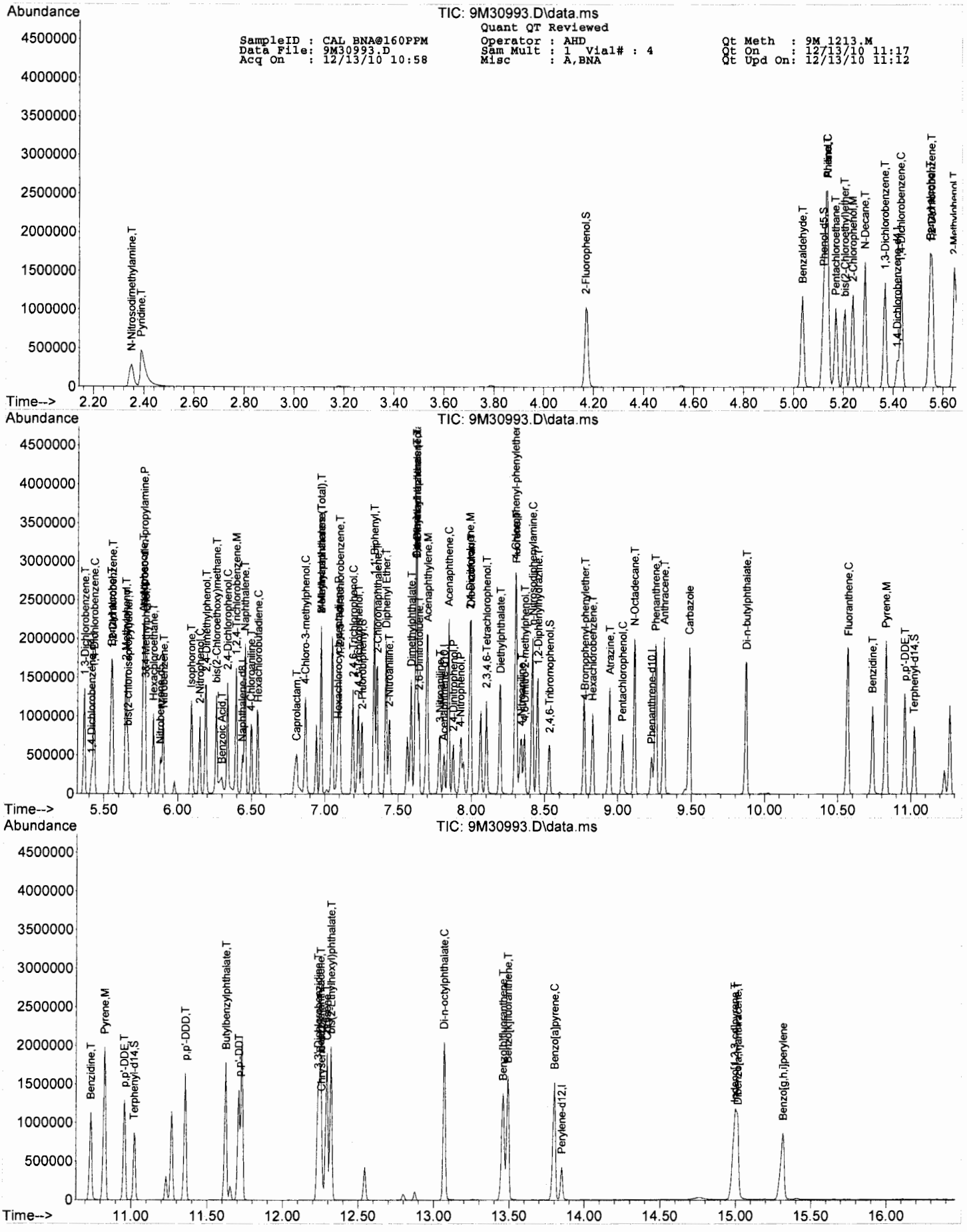
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30993.D Sam Mult : 1 Vial# : 4 Qt On : 12/13/10 11:17
Acq On : 12/13/10 10:58 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.988	165	164025	162.72 ng	80
67) 4-Nitrophenol	7.924	65	112873	166.96 ng	89
68) 2,3,4,6-Tetrachlorophenol	8.101	232	113636	177.11 ng	85
69) Fluorene	8.304	166	575280	158.29 ng	92
70) 4-Chlorophenyl-phenyle...	8.298	204	254950	159.74 ng	84
71) Diethylphthalate	8.197	149	518752	155.25 ng	96
72) 4-Nitroaniline	8.341	138	171734	169.19 ng	74
73) Atrazine	8.946	200	155394	166.51 ng	92
75) 4,6-Dinitro-2-methylph...	8.363	198	105166	186.48 ng	63
76) n-Nitrosodiphenylamine	8.416	169	517700	158.26 ng	91
78) 1,2-Diphenylhydrazine	8.454	77	558371	159.30 ng	78
79) 4-Bromophenyl-phenylether	8.774	248	127513	164.01 ng	85
80) Hexachlorobenzene	8.828	284	110863	156.85 ng	80
81) N-Octadecane	9.111	57	338850	167.12 ng	76
82) Pentachlorophenol	9.031	266	77435	201.09 ng	98
83) Phenanthrene	9.256	178	827269	158.16 ng	96
84) Anthracene	9.315	178	841822	156.28 ng	97
85) Carbazole	9.486	167	851300	162.30 ng	94
86) Di-n-butylphthalate	9.876	149	975231	167.96 ng	97
87) Fluoranthene	10.572	202	907531	164.14 ng	90
89) Pyrene	10.828	202	904773	160.31 ng	91
90) Benzidine	10.737	184	472916	214.64 ng	85
92) p,p'-DDE	10.957	246	131657	162.00 ng	97
93) p,p'-DDD	11.358	235	295667	164.90 ng	91
94) Butylbenzylphthalate	11.625	149	438612	168.80 ng	73
95) p,p'-DDT	11.711	235	246545	173.86 ng	96
96) 3,3'-Dichlorobenzidine	12.235	252	176038	146.23 ng	97
97) Benzo[a]anthracene	12.251	228	784974	160.74 ng	96
98) Chrysene	12.294	228	724499	156.26 ng	95
99) bis(2-Ethylhexyl)phtha...	12.321	149	581421	162.21 ng	93
101) Di-n-octylphthalate	13.069	149	1076716	183.19 ng	100
102) Benzo[b]fluoranthene	13.460	252	696543	174.62 ng	99
103) Benzo[k]fluoranthene	13.492	252	619966	160.44 ng	98
104) Benzo[a]pyrene	13.802	252	634348	166.67 ng	97
105) Indeno[1,2,3-cd]pyrene	14.995	276	589799	160.56 ng	98
106) Dibenzo[a,h]anthracene	15.016	278	494869	159.55 ng	97
107) Benzo[g,h,i]perylene	15.316	276	495709	160.68 ng	97

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M30993.D
Acq On : 12/13/10 10:58
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 11:17
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
2-Methylphenol,T
Time-->
Abundance
TIC: 9M30993.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
1,2,4-Trichlorobenzene,M
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2-Chloronaphthalene,T
2-Fluorobiphenyl,S
Diphenyl Ether,T
2-Nitroaniline,T
Dimethylphthalate,T
2,6-Dinitrotoluene,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
4-Bromophenyl-phenylether,T
2,4,6-Tribromophenol,S
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 9M30993.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM
Data File: 9M30992.D
Acq On : 12/13/10 10:35

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 9M_1213.M
Qt On : 12/13/10 11:13
Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.421	152	47964	40.00	ng	-0.04
29) Naphthalene-d8	6.442	136	189073	40.00	ng	-0.04
47) Acenaphthene-d10	7.817	164	118235	40.00	ng	-0.04
74) Phenanthrene-d10	9.235	188	202508	40.00	ng	-0.05
88) Chrysene-d12	12.262	240	176423	40.00	ng	-0.05
100) Perylene-d12	13.856	264	140470	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.175	112	355167	228.90	ng	-0.04
Spiked Amount 100.000			Recovery = 228.90%			
15) Phenol-d5	5.127	99	466446	208.10	ng	-0.03
Spiked Amount 100.000			Recovery = 208.10%			
30) Nitrobenzene-d5	5.886	128	78270	97.55	ng	-0.04
Spiked Amount 50.000			Recovery = 195.10%			
52) 2-Fluorobiphenyl	7.255	172	327130	90.80	ng	-0.04
Spiked Amount 50.000			Recovery = 181.60%			
77) 2,4,6-Tribromophenol	8.539	330	59414	208.32	ng	-0.04
Spiked Amount 100.000			Recovery = 208.32%			
91) Terphenyl-d14	11.026	244	320936	99.50	ng	-0.05
Spiked Amount 50.000			Recovery = 199.00%			
Target Compounds						Qvalue
8) Pyridine	2.388	79	353836	216.89	ng	70
9) N-Nitrosodimethylamine	2.356	74	203861	213.53	ng	75
11) Benzaldehyde	5.036	77	219444	233.46	ng	71
12) Aniline	5.137	93	536993	211.19	ng	25
13) Pentachloroethane	5.170	117	100085	177.94	ng	86
14) bis(2-Chloroethyl)ether	5.207	93	297217	187.34	ng	77
16) Phenol	5.137	94	488059	197.12	ng	83
17) 2-Chlorophenol	5.239	128	346861	208.27	ng	77
18) N-Decane	5.287	57	281434	166.05	ng	82
19) 1,3-Dichlorobenzene	5.367	146	338937	189.07	ng	96
20) 1,4-Dichlorobenzene	5.432	146	343582	187.98	ng	97
21) 1,2-Dichlorobenzene	5.560	146	320106	186.42	ng	99
22) Benzyl alcohol	5.549	108	237303	198.10	ng	69
23) bis(2-chloroisopropyl)...	5.662	45	338249	179.25	ng	86
24) 2-Methylphenol	5.646	108	342146	214.63	ng	86
25) Acetophenone	5.769	105	435029	184.76	ng	59
26) Hexachloroethane	5.833	117	125466	184.67	ng	96
27) N-Nitroso-di-n-propyla...	5.774	70	228410	181.03	ng	71
28) 3&4-Methylphenol	5.779	108	357111	202.02	ng	89
31) Nitrobenzene	5.902	77	321976	177.32	ng	78
32) Isophorone	6.095	82	619575	178.20	ng	87
33) 2-Nitrophenol	6.148	139	186953	204.73	ng	90
34) 2,4-Dimethylphenol	6.191	107	320052	194.18	ng	86
35) Benzoic Acid	6.314	105	251851m	353.57	ng	
36) bis(2-Chloroethoxy)met...	6.266	93	370360	188.56	ng	95
37) 2,4-Dichlorophenol	6.341	162	274981	194.78	ng	87
38) 1,2,4-Trichlorobenzene	6.394	180	281443	189.27	ng	95
39) Naphthalene	6.459	128	953629	189.51	ng	100
40) 4-Chloroaniline	6.501	127	253842	148.99	ng	100
41) Hexachlorobutadiene	6.544	225	121072	187.56	ng	97
42) Caprolactam	6.822	113	117155	180.14	ng	56
43) 4-Chloro-3-methylphenol	6.870	107	298380	196.70	ng	74
44) 2-Methylnaphthalene	6.977	142	644493	189.85	ng	91
45) Methylnaphthalenes (To...	6.977	142	644493	189.85	ng	91
46) 1,1'-Biphenyl	7.336	154	825938	185.75	ng	92
48) 1,2,4,5-Tetrachloroben...	7.100	216	262496	181.35	ng	98
49) Hexachlorocyclopentadiene	7.090	237	101471	210.51	ng	97
50) 2,4,6-Trichlorophenol	7.191	196	184329	195.80	ng	100
51) 2,4,5-Trichlorophenol	7.229	196	195826	192.79	ng	97
53) 2-Chloronaphthalene	7.357	162	570356	179.21	ng	90
54) 1,4-Dimethylnaphthalene	7.625	156	507169	180.10	ng	81
55) Dimethylnaphthalenes (...	7.625	156	507169	180.10	ng	81
56) Diphenyl Ether	7.421	170	453639	183.83	ng	67
57) 2-Nitroaniline	7.443	65	175012	142.12	ng	54
58) Coumarin	7.625	146	269049	185.97	ng	70
59) Acenaphthylene	7.699	152	976862	180.64	ng	99
60) Dimethylphthalate	7.592	163	650968	180.39	ng	99
61) 2,6-Dinitrotoluene	7.646	165	149061	183.48	ng	57
62) Acenaphthene	7.849	153	585605	180.60	ng	93
63) 3-Nitroaniline	7.790	138	155665	166.04	ng	87
64) 2,4-Dinitrophenol	7.881	184	102838	251.83	ng	88
65) Dibenzofuran	7.999	168	843924	179.40	ng	79

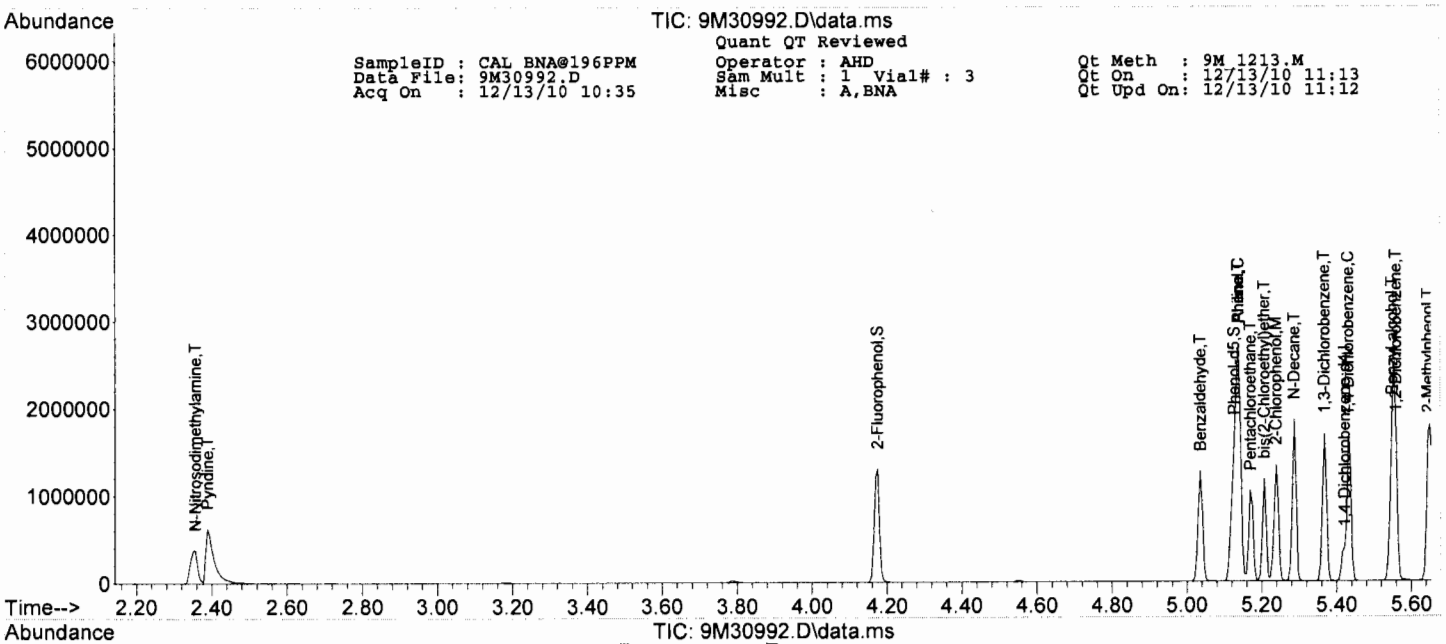
Quantitation Report (QT Reviewed)

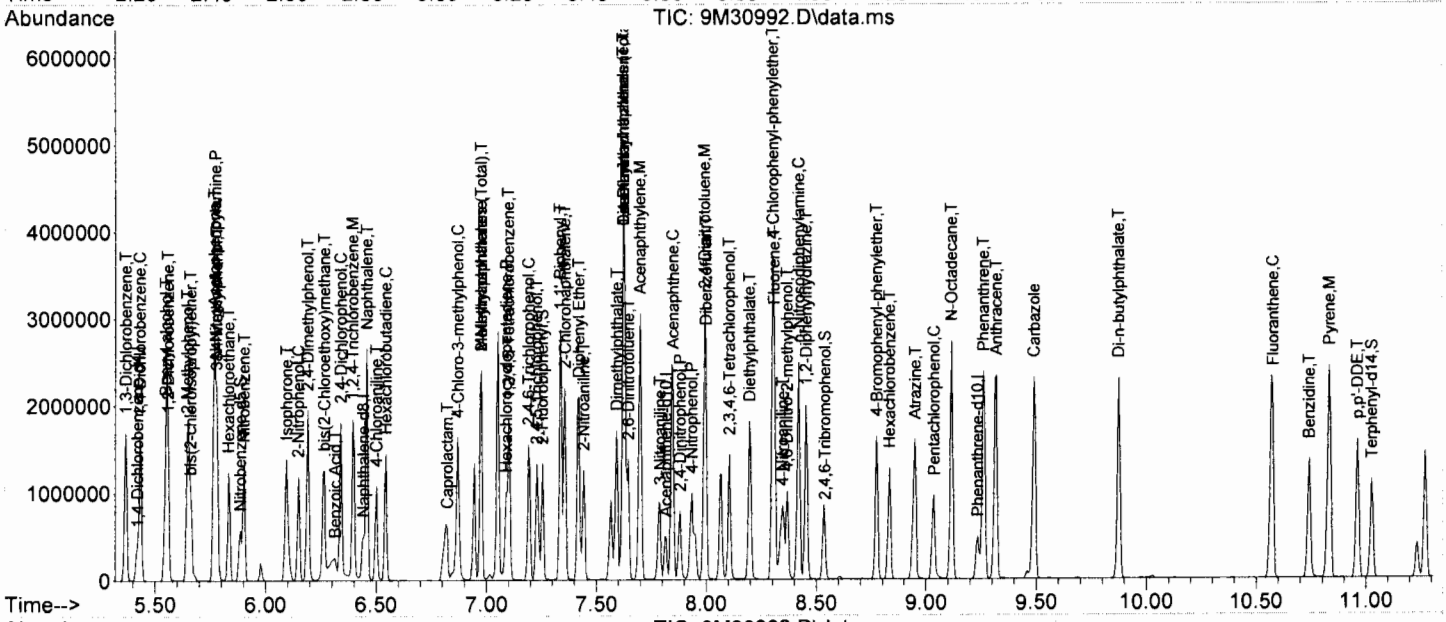
SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30992.D Sam Mult : 1 Vial# : 3 Qt On : 12/13/10 11:13
Acq On : 12/13/10 10:35 Misc : A,BNA Qt Upd On: 12/13/10 11:12

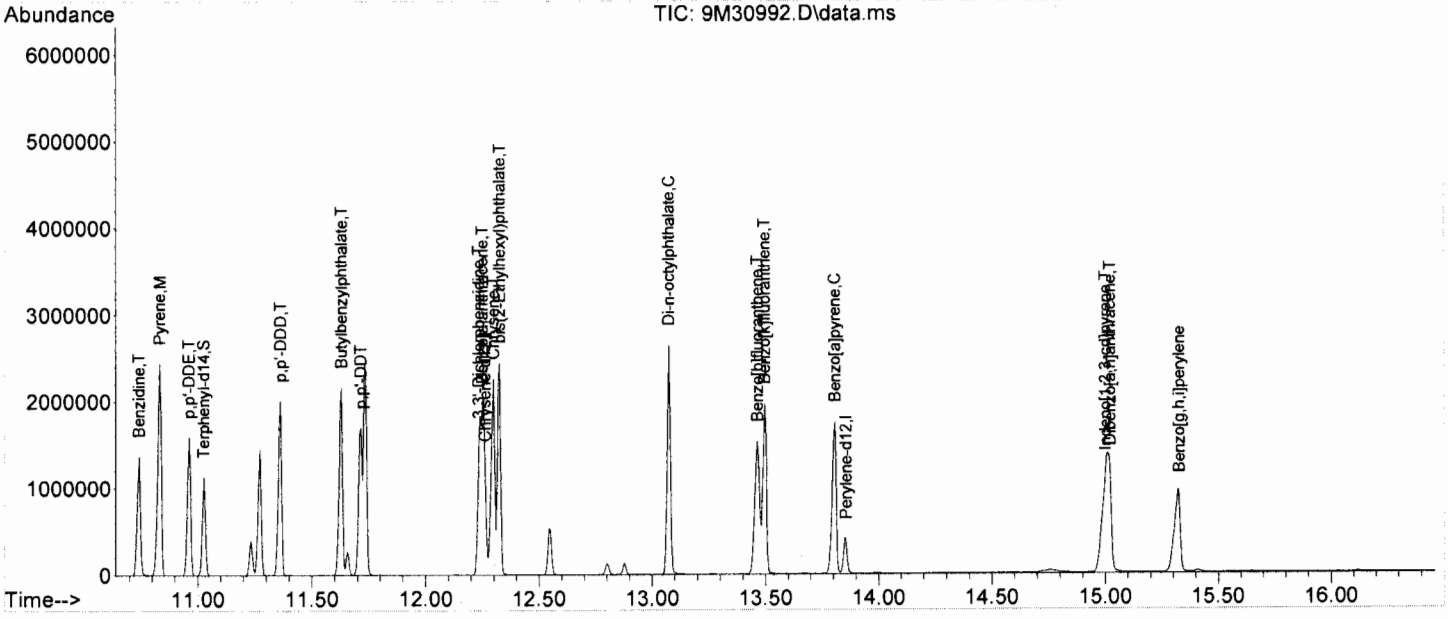
Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.994	165	206025	188.79	ng	82
67)	4-Nitrophenol	7.935	65	141581	193.45	ng	83
68)	2,3,4,6-Tetrachlorophenol	8.106	232	141477	203.68	ng	85
69)	Fluorene	8.309	166	725606	184.43	ng	92
70)	4-Chlorophenyl-phenyle...	8.304	204	316916	183.42	ng	80
71)	Diethylphthalate	8.197	149	640166	176.98	ng	98
72)	4-Nitroaniline	8.347	138	207686m	189.01	ng	
73)	Atrazine	8.951	200	193397	191.43	ng	92
75)	4,6-Dinitro-2-methylph...	8.368	198	134184	224.66	ng	58
76)	n-Nitrosodiphenylamine	8.422	169	657690	189.84	ng	89
78)	1,2-Diphenylhydrazine	8.454	77	700947	188.82	ng	83
79)	4-Bromophenyl-phenylether	8.775	248	159518	193.73	ng	93
80)	Hexachlorobenzene	8.833	284	141830	189.47	ng	74
81)	N-Octadecane	9.117	57	427627	199.13	ng	75
82)	Pentachlorophenol	9.037	266	98446	241.39	ng	95
83)	Phenanthrene	9.261	178	1021418	184.38	ng	96
84)	Anthracene	9.320	178	1049288	183.92	ng	96
85)	Carbazole	9.491	167	1061368	191.05	ng	94
86)	Di-n-butylphthalate	9.876	149	1217254	197.94	ng	97
87)	Fluoranthene	10.577	202	1109472	189.47	ng	89
89)	Pyrene	10.834	202	1125335	193.35	ng	90
90)	Benzidine	10.743	184	559368	246.20	ng	86
92)	p,p'-DDE	10.962	246	162736	194.19	ng	96
93)	p,p'-DDD	11.363	235	367621	198.83	ng	91
94)	Butylbenzylphthalate	11.631	149	554093	206.79	ng	72
95)	p,p'-DDT	11.716	235	311207	212.82	ng	97
96)	3,3'-Dichlorobenzidine	12.235	252	199575	160.77	ng	96
97)	Benzo[a]anthracene	12.251	228	966012	191.83	ng	96
98)	Chrysene	12.299	228	892331	186.64	ng	94
99)	bis(2-Ethylhexyl)phtha...	12.326	149	726755	196.62	ng	92
101)	Di-n-octylphthalate	13.075	149	1335712	224.28	ng	99
102)	Benzo[b]fluoranthene	13.465	252	839581	207.73	ng	96
103)	Benzo[k]fluoranthene	13.497	252	728134	185.97	ng	99
104)	Benzo[a]pyrene	13.808	252	754617	195.68	ng	96
105)	Indeno[1,2,3-cd]pyrene	15.000	276	683327	183.59	ng	78
106)	Dibenzo[a,h]anthracene	15.022	278	575094	182.99	ng	96
107)	Benzo[g,h,i]perylene	15.327	276	571405	182.80	ng	96

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


Abundance
TIC: 9M30992.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M30992.D
Acq On : 12/13/10 10:35
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 11:13
Qt Upd On: 12/13/10 11:12
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
2-Methylphenol,T
Time-->


Abundance
TIC: 9M30992.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Hexachloroethane,T
Nitrobenzene-d5,S
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
2,6-Dinitrotoluene,T
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,T
Dibenzofuran,T
2,4-Dinitrotoluene,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
Fluorene,T
4-Chlorophenyl-phenylether,T
4-Nitroaniline,T
2-Methylphenol,T
4,6-Dinitro-2-methylphenol,T
N-Nitrosodiphenylamine,C
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M30992.D\data.ms
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30999.D Sam Mult : 1 Vial# : 10 Qt On : 12/13/10 14:22
Acq On : 12/13/10 13:17 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.416	152	44764	40.00 ng	-0.05
29) Naphthalene-d8	6.432	136	182847	40.00 ng	-0.05
47) Acenaphthene-d10	7.806	164	107184	40.00 ng	-0.05
74) Phenanthrene-d10	9.224	188	185945	40.00 ng	-0.06
88) Chrysene-d12	12.246	240	169823	40.00 ng	-0.06
100) Perylene-d12	13.845	264	153625	40.00 ng	-0.06
System Monitoring Compounds					
10) 2-Fluorophenol	4.180	112	792	0.55 ng	-0.04
Spiked Amount 100.000			Recovery = 0.55%		
15) Phenol-d5	5.116	99	941	0.45 ng	-0.04
Spiked Amount 100.000			Recovery = 0.45%		
30) Nitrobenzene-d5	5.881	128	168	0.22 ng	-0.04
Spiked Amount 50.000			Recovery = 0.44%		
52) 2-Fluorobiphenyl	7.250	172	766	0.23 ng	-0.05
Spiked Amount 50.000			Recovery = 0.46%		
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery = 0.00%		
91) Terphenyl-d14	11.016	244	773	0.25 ng	-0.06
Spiked Amount 50.000			Recovery = 0.50%		
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D.	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.640	108	922m	0.62 ng	
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.769	108	751m	0.46 ng	
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.181	107	1013m	0.64 ng	
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.448	128	3095	0.64 ng	82
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D.	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	7.983	168	2461	0.58 ng	75

b

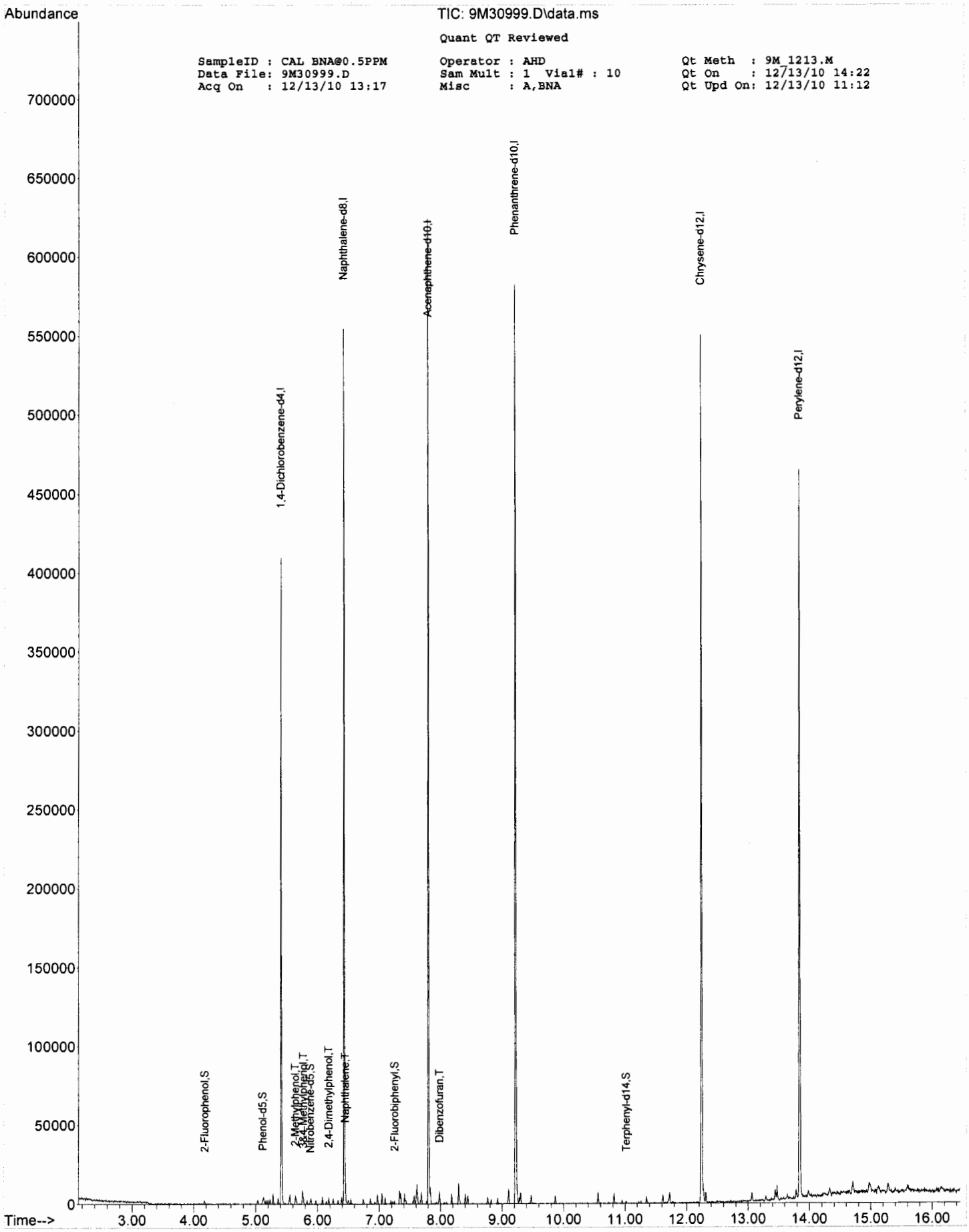
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_1213.M
Data File: 9M30999.D Sam Mult : 1 Vial# : 10 Qt On : 12/13/10 14:22
Acq On : 12/13/10 13:17 Misc : A,BNA Qt Upd On: 12/13/10 11:12

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d
67)	4-Nitrophenol	0.000		0	N.D.	d
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	d
69)	Fluorene	0.000		0	N.D.	d
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d
71)	Diethylphthalate	0.000		0	N.D.	d
72)	4-Nitroaniline	0.000		0	N.D.	d
73)	Atrazine	0.000		0	N.D.	d
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.	
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d
80)	Hexachlorobenzene	0.000		0	N.D.	d
81)	N-Octadecane	0.000		0	N.D.	d
82)	Pentachlorophenol	0.000		0	N.D.	
83)	Phenanthrene	0.000		0	N.D.	d
84)	Anthracene	0.000		0	N.D.	d
85)	Carbazole	0.000		0	N.D.	d
86)	Di-n-butylphthalate	0.000		0	N.D.	d
87)	Fluoranthene	0.000		0	N.D.	d
89)	Pyrene	0.000		0	N.D.	d
90)	Benzidine	0.000		0	N.D.	d
92)	p,p'-DDE	0.000		0	N.D.	d
93)	p,p'-DDD	0.000		0	N.D.	d
94)	Butylbenzylphthalate	0.000		0	N.D.	d
95)	p,p'-DDT	0.000		0	N.D.	d
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d
97)	Benzo[a]anthracene	0.000		0	N.D.	d
98)	Chrysene	0.000		0	N.D.	d
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d
101)	Di-n-octylphthalate	0.000		0	N.D.	d
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d
104)	Benzo[a]pyrene	0.000		0	N.D.	d
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d

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


Abundance
TIC: 9M30999.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 9M30999.D
Acq On : 12/13/10 13:17
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_1213.M
Qt On : 12/13/10 14:22
Qt Upd On: 12/13/10 11:12
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
2-Methylphenol,T
3&4-Methylphenol,T
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
Naphthalene-d8,I
Naphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Dibenzofuran,T
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0613

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M18328.	CAL BNA@50PPM	12/14/10 09:54	2	10M18336.	CAL BNA@2PPM	12/14/10 13:00
3	10M18334.	CAL BNA@10PPM	12/14/10 12:14	4	10M18333.	CAL BNA@20PPM	12/14/10 11:49
5	10M18332.	CAL BNA@80PPM	12/14/10 11:26	6	10M18331.	CAL BNA@120PPM	12/14/10 11:03
7	10M18330.	CAL BNA@160PPM	12/14/10 10:40	8	10M18329.	CAL BNA@196PPM	12/14/10 10:17
9	10M18335.	CAL BNA@0.5PPM	12/14/10 12:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.5469	0.9595	1.3308	1.4348	1.4623	1.4343	1.4309	1.4459	-----	1.38	2.98	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.8902	0.6707	0.8044	0.7920	0.8360	0.8423	0.8290	0.8236	-----	0.811	2.92	0.999	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.2601	0.9979	1.1720	1.1904	1.2098	1.2083	1.2079	1.2220	1.1289	1.18	4.55	1.00	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzaldehyde	1	0	Qua	1.0220	0.8945	1.0768	1.0595	0.9384	0.6596	0.4643	0.3724	-----	0.811	5.39	0.841	0.995	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.0131	1.1567	1.4721	1.7428	1.9087	1.8869	1.8633	1.8427	-----	1.74	5.49	0.999	1.00	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4610	0.3305	0.4103	0.4359	0.4360	0.4315	0.4309	0.4298	-----	0.421	5.53	1.00	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.2575	1.1416	1.1808	1.2629	1.2325	1.2333	1.2136	1.1877	-----	1.21	5.54	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.7105	1.4311	1.5462	1.6262	1.6227	1.6323	1.6161	1.6237	1.6309	1.60	5.44	1.00	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol	1	0	Avg	1.9161	1.5379	1.7490	1.8278	1.7967	1.7936	1.7882	1.7881	-----	1.77	5.46	1.00	1.00	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3915	1.3237	1.3128	1.3242	1.3013	1.3188	1.2977	1.3206	-----	1.32	5.58	1.00	1.00	2.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.5704	1.4667	1.5227	1.4684	1.4637	1.4985	1.4818	1.4741	-----	1.49	5.64	1.00	1.00	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.5959	1.4647	1.4946	1.5200	1.5144	1.5033	1.4963	1.4979	-----	1.51	5.72	1.00	1.00	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.6324	1.4783	1.5229	1.5429	1.5268	1.5437	1.5286	1.5200	-----	1.54	5.78	1.00	1.00	2.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.5258	1.4263	1.4724	1.4883	1.4298	1.4448	1.4334	1.4288	-----	1.46	5.91	1.00	1.00	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9128	0.7898	0.8400	0.8235	0.8485	0.8677	0.8571	0.8748	-----	0.852	5.88	1.00	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	1.8311	1.7528	1.8231	1.8496	1.7683	1.6794	1.7018	1.6613	-----	1.76	5.99	0.999	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Qua	1.2833	1.1108	1.1602	1.2286	1.2243	1.2057	1.2205	1.2074	0.9226	1.17	5.97	1.00	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0251	1.7781	1.8850	1.9398	1.9228	1.9174	1.9379	1.9855	-----	1.92	6.10	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6063	0.5544	0.5594	0.5825	0.5810	0.5795	0.5705	0.5759	-----	0.576	6.18	1.00	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylan	1	0	Qua	1.1267	0.9506	1.0659	1.0469	1.0857	1.0816	1.0749	1.0732	-----	1.06	6.10	1.00	1.00	4.8	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	LinF	1.3806	1.1772	1.2701	1.3287	1.3533	1.3514	1.3787	1.4041	1.0474	1.30	6.10	1.00	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1783	0.1231	0.1737	0.1764	0.1711	0.1692	0.1739	0.1654	-----	0.166	6.22	0.999	0.999	11		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4418	0.3748	0.4190	0.4159	0.4139	0.4118	0.4221	0.3973	-----	0.412	6.23	0.998	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7632	0.6697	0.7293	0.7165	0.7208	0.7461	0.7377	0.7022	-----	0.723	6.42	0.998	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2103	0.1356	0.1833	0.1964	0.2020	0.2066	0.2114	0.2022	-----	0.194	6.48	0.999	0.999	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.4041	0.3213	0.3816	0.3863	0.3863	0.3881	0.3924	0.3758	0.3606	0.377	6.51	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2658	-----	0.1005	0.1721	0.2854	0.2984	0.3143	0.3001	-----	0.248	6.58	0.999	0.999	32		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4323	0.4020	0.4194	0.4106	0.4131	0.4167	0.4288	0.4133	-----	0.417	6.58	0.999	0.999	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.3312	0.2325	0.3099	0.3074	0.3185	0.3263	0.3354	0.3159	-----	0.310	6.66	0.998	0.999	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3861	0.3493	0.3571	0.3604	0.3625	0.3730	0.3812	0.3687	-----	0.367	6.73	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1543	1.0928	1.1045	1.1164	1.1221	1.1406	1.1541	1.1103	1.3011	1.14	6.80	0.999	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4443	0.3015	0.3245	0.3710	0.3918	0.3522	0.3200	0.2593	-----	0.346	6.83	0.945	0.997	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1963	0.1794	0.1944	0.1888	0.1859	0.1959	0.1915	0.1847	-----	0.190	6.88	0.999	0.999	3.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	LinF	0.1326	0.0974	0.1231	0.1217	0.1260	0.1281	0.1290	0.1338	-----	0.124	7.10	0.999	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3589	0.2724	0.3322	0.3336	0.3355	0.3466	0.3486	0.3313	-----	0.332	7.19	0.998	0.999	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7828	0.6712	0.7374	0.7385	0.7289	0.7414	0.7494	0.7300	-----	0.735	7.33	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7828	0.6712	0.7374	0.7385	0.7289	0.7414	0.7494	0.7300	-----	0.735	7.33	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.0569	0.9489	0.9983	0.9809	0.9832	1.0077	1.0179	0.9881	-----	0.998	7.69	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.5762	0.5667	0.5380	0.5540	0.5478	0.5761	0.5621	0.5588	-----	0.560	7.45	1.00	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.3734	0.2723	0.3224	0.3331	0.3656	0.3926	0.3821	0.3868	-----	0.354	7.45	0.999	0.999	12	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3863	0.2498	0.3573	0.3688	0.3638	0.4117	0.3869	0.3844	-----	0.364	7.54	0.999	0.999	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.02

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0614

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M18328.	CAL BNA@50PPM	12/14/10 09:54	2	10M18336.	CAL BNA@2PPM	12/14/10 13:00
3	10M18334.	CAL BNA@10PPM	12/14/10 12:14	4	10M18333.	CAL BNA@20PPM	12/14/10 11:49
5	10M18332.	CAL BNA@80PPM	12/14/10 11:26	6	10M18331.	CAL BNA@120PPM	12/14/10 11:03
7	10M18330.	CAL BNA@160PPM	12/14/10 10:40	8	10M18329.	CAL BNA@196PPM	12/14/10 10:17
9	10M18335.	CAL BNA@0.5PPM	12/14/10 12:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,5-Trichlorophenol	1	0	Avg	0.4005	0.2992	0.3662	0.3825	0.3773	0.3840	0.3793	0.3836	----	0.372	7.57	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3891	1.2231	1.2891	1.3247	1.2909	1.3795	1.3219	1.3024	0.8105	1.26	7.61	0.999	0.999	14		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	0.50
2-Chloronaphthalene	1	0	Avg	1.1976	1.0160	1.1145	1.1491	1.1390	1.1975	1.1460	1.1405	----	1.14	7.72	0.999	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	0.9784	0.8677	0.9177	0.9315	0.9130	0.9931	0.9623	0.9732	----	0.942	8.00	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9784	0.8677	0.9177	0.9315	0.9130	0.9931	0.9623	0.9732	----	0.942	8.00	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9306	0.8668	0.8744	0.8948	0.8536	0.9119	0.8932	0.8808	----	0.888	7.78	0.999	0.999	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5053	0.3733	0.4554	0.4915	0.4772	0.5049	0.4868	0.4714	----	0.471	7.80	0.998	0.999	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5014	0.4080	0.4802	0.4795	0.4631	0.4858	0.4736	0.4766	----	0.471	7.98	1.00	1.00	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9949	1.6921	1.8827	1.9039	1.8756	1.9563	1.9185	1.9028	----	1.89	8.07	1.00	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.4171	1.2545	1.3064	1.3340	1.3263	1.4072	1.3742	1.3540	----	1.35	7.94	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.3270	0.2627	0.2940	0.2861	0.3110	0.3243	0.3221	0.3224	----	0.306	8.00	1.00	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2795	1.1825	1.2103	1.2462	1.1994	1.2749	1.2388	1.2374	----	1.23	8.22	0.999	0.999	2.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3368	0.2250	0.2892	0.2888	0.2992	0.3019	0.2775	0.2673	----	0.286	8.14	0.993	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	LinF	0.2079	-----	0.1253	0.1479	0.2008	0.2283	0.2170	0.2194	----	0.192	8.23	0.998	0.998	21	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7409	1.5642	1.6536	1.6579	1.6522	1.7442	1.6924	1.6726	1.6782	1.67	8.38	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	Qua	0.4297	0.3291	0.4148	0.4044	0.4101	0.4373	0.4293	0.4236	----	0.410	8.35	0.999	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	LinF	0.3351	0.1569	0.2918	0.3028	0.3145	0.3287	0.3210	0.3094	----	0.295	8.27	0.999	0.999	19	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	LinF	0.3132	0.1844	0.2865	0.3004	0.3036	0.3173	0.2994	0.3068	----	0.289	8.48	0.999	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4891	1.3651	1.4218	1.4238	1.4032	1.4729	1.4332	1.4338	----	1.43	8.70	1.00	1.00	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.6662	0.5876	0.6194	0.6296	0.6367	0.6735	0.6547	0.6618	----	0.641	8.69	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3999	1.2527	1.2793	1.3438	1.3080	1.3945	1.3430	1.3417	----	1.33	8.57	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3753	0.2729	0.3339	0.3496	0.3525	0.3640	0.3468	0.3506	----	0.343	8.71	0.999	0.999	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4114	0.3213	0.3769	0.3780	0.3875	0.4205	0.4017	0.4032	----	0.388	9.33	0.999	0.999	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	LinF	0.1470	0.0322	0.1072	0.1234	0.1449	0.1467	0.1486	0.1464	----	0.125	8.73	0.999	0.999	32		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6962	0.6453	0.6681	0.6449	0.6864	0.6857	0.6793	0.6676	----	0.672	8.80	1.00	1.00	2.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	LinF	0.0906	0.0487	0.0764	0.0826	0.0910	0.0934	0.0907	0.0926	----	0.0833	8.93	1.00	1.00	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.8542	0.7390	0.8119	0.8016	0.8293	0.8995	0.8857	0.8796	----	0.838	8.84	0.999	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1938	0.1615	0.1854	0.1805	0.1900	0.1938	0.1877	0.1935	----	0.186	9.18	1.00	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2041	0.1879	0.1926	0.1912	0.1975	0.2053	0.1985	0.1977	----	0.197	9.24	0.999	0.999	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.5363	0.4404	0.4867	0.4927	0.5194	0.5197	0.5180	0.5198	----	0.504	9.51	1.00	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1349	-----	0.1011	0.1133	0.1376	0.1423	0.1392	0.1440	----	0.130	9.43	0.999	1.00	13	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1553	1.1675	1.0849	1.1090	1.1170	1.1436	1.1153	1.1212	----	1.13	9.67	1.00	1.00	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2010	1.0411	1.1131	1.1274	1.1702	1.1866	1.1586	1.1692	----	1.15	9.73	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1369	1.0184	1.0580	1.0627	1.0844	1.0978	1.0711	1.0880	----	1.08	9.89	1.00	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.3623	1.0675	1.1688	1.2275	1.3239	1.3576	1.3217	1.3291	----	1.27	10.28	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2391	1.0820	1.1475	1.1419	1.2154	1.2234	1.2044	1.2336	----	1.19	10.99	1.00	1.00	4.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3261	1.1772	1.2547	1.2407	1.2909	1.3220	1.2716	1.2753	----	1.27	11.26	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6649	0.1409	0.3561	0.4663	0.6062	0.4778	0.3671	0.3119	----	0.424	11.15	0.861	0.991	40		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	LinF	0.8602	0.7953	0.8012	0.8106	0.8188	0.8395	0.8126	0.8235	0.3611	0.769	11.44	1.00	1.00	20		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	0.50
4,4'-DDE	1	0	Avg	0.2644	0.2439	0.2543	0.2498	0.2683	0.2690	0.2593	0.2623	----	0.259	11.38	1.00	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.4999	0.4168	0.4679	0.4675	0.4833	0.5047	0.4872	0.4886	----	0.477	11.78	1.00	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Avg Rsd: 8.02

Flags

a - failed the spcc criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria(if applicable)
**** - ccc compound***
***** - spcc compound***

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0615

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M18328.	CAL BNA@50PPM	12/14/10 09:54	2	10M18336.	CAL BNA@2PPM	12/14/10 13:00
3	10M18334.	CAL BNA@10PPM	12/14/10 12:14	4	10M18333.	CAL BNA@20PPM	12/14/10 11:49
5	10M18332.	CAL BNA@80PPM	12/14/10 11:26	6	10M18331.	CAL BNA@120PPM	12/14/10 11:03
7	10M18330.	CAL BNA@160PPM	12/14/10 10:40	8	10M18329.	CAL BNA@196PPM	12/14/10 10:17
9	10M18335.	CAL BNA@0.5PPM	12/14/10 12:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.6296	0.4540	0.5652	0.5762	0.6180	0.6304	0.6107	0.6197	-----	0.588	12.04	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.4338	0.3025	0.3781	0.3897	0.4254	0.4497	0.4374	0.4468	-----	0.408	12.13	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3578	0.2065	0.2967	0.3042	0.3293	0.3048	0.2673	0.2495	-----	0.290	12.65	0.977	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1479	1.1279	1.1077	1.1086	1.1348	1.1430	1.1053	1.1236	-----	1.12	12.68	1.00	1.00	1.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1525	1.0646	1.0766	1.0914	1.0876	1.1457	1.1193	1.1258	-----	1.11	12.72	1.00	1.00	2.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9029	0.5786	0.7808	0.8158	0.8799	0.9190	0.8940	0.9217	-----	0.837	12.73	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.6433	0.8577	1.3127	1.4115	1.5821	1.6784	1.6780	1.6924	-----	1.48	13.48	1.00	1.00	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1498	0.9908	1.0727	1.0534	1.1536	1.2226	1.1812	1.2490	-----	1.13	13.89	0.998	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2969	1.0360	1.1115	1.1599	1.2030	1.1913	1.1955	1.1247	-----	1.16	13.92	0.997	0.999	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2046	0.9173	1.1026	1.0908	1.1529	1.1478	1.1400	1.1439	-----	1.11	14.24	1.00	1.00	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2197	0.8723	1.1299	1.1614	1.2279	1.1987	1.2122	1.2135	-----	1.15	15.58	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9897	0.6773	0.9049	0.9318	0.9883	0.9773	0.9820	0.9991	-----	0.931	15.61	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0231	0.7911	0.9386	0.9525	0.9882	0.9913	0.9941	0.9914	-----	0.959	15.95	1.00	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.02
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18328.D Sam Mult : 1 Vial# : 2 Qt On : 12/14/10 12:18
Acq On : 12/14/10 09:54 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.779	152	28764	40.00	ng	0.00
29) Naphthalene-d8	6.785	136	104249	40.00	ng	0.00
47) Acenaphthene-d10	8.208	164	65003	40.00	ng	0.00
74) Phenanthrene-d10	9.657	188	115124	40.00	ng	0.00
88) Chrysene-d12	12.701	240	109417	40.00	ng	0.00
100) Perylene-d12	14.310	264	96663	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.565	112	45310	52.60	ng	0.00
Spiked Amount 100.000			Recovery = 52.60%			
15) Phenol-d5	5.453	99	61504	53.09	ng	0.00
Spiked Amount 100.000			Recovery = 53.09%			
30) Nitrobenzene-d5	6.229	128	11620	26.95	ng	0.00
Spiked Amount 50.000			Recovery = 53.90%			
52) 2-Fluorobiphenyl	7.619	172	56435	26.24	ng	0.00
Spiked Amount 50.000			Recovery = 52.48%			
77) 2,4,6-Tribromophenol	8.940	330	13042	53.33	ng	0.00
Spiked Amount 100.000			Recovery = 53.33%			
91) Terphenyl-d14	11.454	244	58828	26.17	ng	0.00
Spiked Amount 50.000			Recovery = 52.34%			
Target Compounds						Qvalue
8) Pyridine	2.993	79	55620	56.80	ng	77
9) N-Nitrosodimethylamine	2.939	74	32008	55.62	ng	84
11) Benzaldehyde	5.400	77	36747	49.02	ng	88
12) Aniline	5.496	93	72382	54.38	ng	55
13) Pentachloroethane	5.539	117	16578	53.82	ng	75
14) bis(2-Chloroethyl)ether	5.555	93	45215	51.31	ng	87
16) Phenol	5.469	94	68895	54.83	ng	95
17) 2-Chlorophenol	5.592	128	50032	52.31	ng	89
18) N-Decane	5.646	57	56464	53.45	ng	83
19) 1,3-Dichlorobenzene	5.726	146	57383	52.99	ng	95
20) 1,4-Dichlorobenzene	5.795	146	58693	52.93	ng	95
21) 1,2-Dichlorobenzene	5.918	146	54862	52.24	ng	97
22) Benzyl alcohol	5.892	108	32823	53.42	ng	86
23) bis(2-chloroisopropyl)...	6.004	45	65838	54.42	ng	78
24) 2-Methylphenol	5.977	108	46143	54.05	ng	98
25) Acetophenone	6.106	105	72814	53.04	ng	86
26) Hexachloroethane	6.191	117	21802	53.19	ng	84
27) N-Nitroso-di-n-propyla...	6.106	70	40511	54.65	ng	86
28) 3&4-Methylphenol	6.106	108	49641	54.05	ng	96
31) Nitrobenzene	6.245	77	57572	53.91	ng	85
32) Isophorone	6.432	82	99460	53.12	ng	87
33) 2-Nitrophenol	6.491	139	27405	53.93	ng	87
34) 2,4-Dimethylphenol	6.518	107	52671	53.59	ng	96
35) Benzoic Acid	6.582	105	34647	51.27	ng	94
36) bis(2-Chloroethoxy)met...	6.592	93	56344	51.42	ng	99
37) 2,4-Dichlorophenol	6.673	162	43159	53.02	ng	87
38) 1,2,4-Trichlorobenzene	6.742	180	50322	52.09	ng	96
39) Naphthalene	6.801	128	150426	50.63	ng	98
40) 4-Chloroaniline	6.838	127	57907m	70.48	ng	
41) Hexachlorobutadiene	6.892	225	25586	53.36	ng	97
42) Caprolactam	7.111	113	17281	50.05	ng	74
43) 4-Chloro-3-methylphenol	7.197	107	46769	54.59	ng	92
44) 2-Methylnaphthalene	7.336	142	102020	52.61	ng	100
45) Methylnaphthalenes (To...	7.336	142	102020	52.61	ng	100
46) 1,1'-Biphenyl	7.705	154	137735	52.79	ng	93
48) 1,2,4,5-Tetrachloroben...	7.464	216	46820	51.74	ng	95
49) Hexachlorocyclopentadiene	7.454	237	30346	54.13	ng	98
50) 2,4,6-Trichlorophenol	7.550	196	31395	53.13	ng	98
51) 2,4,5-Trichlorophenol	7.582	196	32546m	52.62	ng	
53) 2-Chloronaphthalene	7.732	162	97315	51.12	ng	91
54) 1,4-Dimethylnaphthalene	8.010	156	79504	50.58	ng	93
55) Dimethylnaphthalenes (...	8.010	156	79504	50.58	ng	93
56) Diphenyl Ether	7.790	170	75618	52.17	ng	80
57) 2-Nitroaniline	7.807	65	41065	54.47	ng	67
58) Coumarin	7.988	146	40742	53.06	ng	56
59) Acenaphthylene	8.085	152	162099	52.28	ng	98
60) Dimethylphthalate	7.951	163	115152	52.12	ng	99
61) 2,6-Dinitrotoluene	8.010	165	26576	52.79	ng	67
62) Acenaphthene	8.234	153	103967	51.45	ng	96
63) 3-Nitroaniline	8.154	138	27373	62.77	ng	81
64) 2,4-Dinitrophenol	8.245	184	16896	47.49	ng	55
65) Dibenzofuran	8.390	168	141459	50.74	ng	86

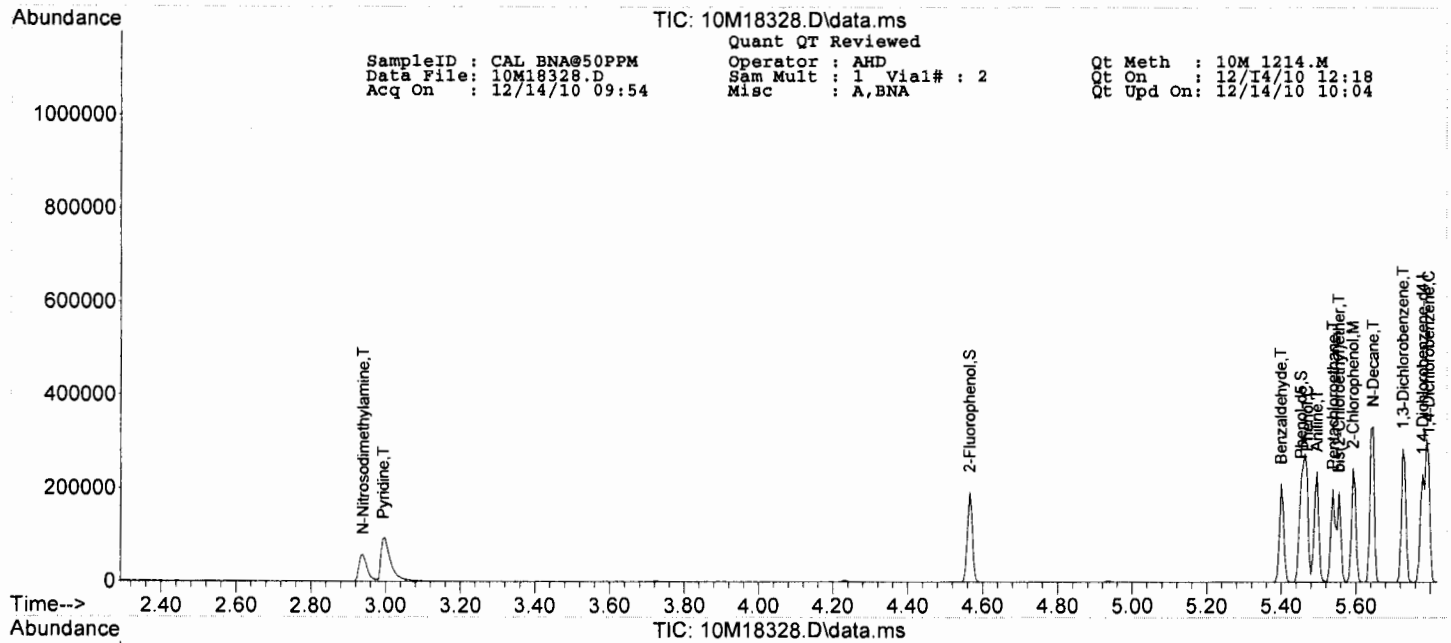
Quantitation Report (QT Reviewed)

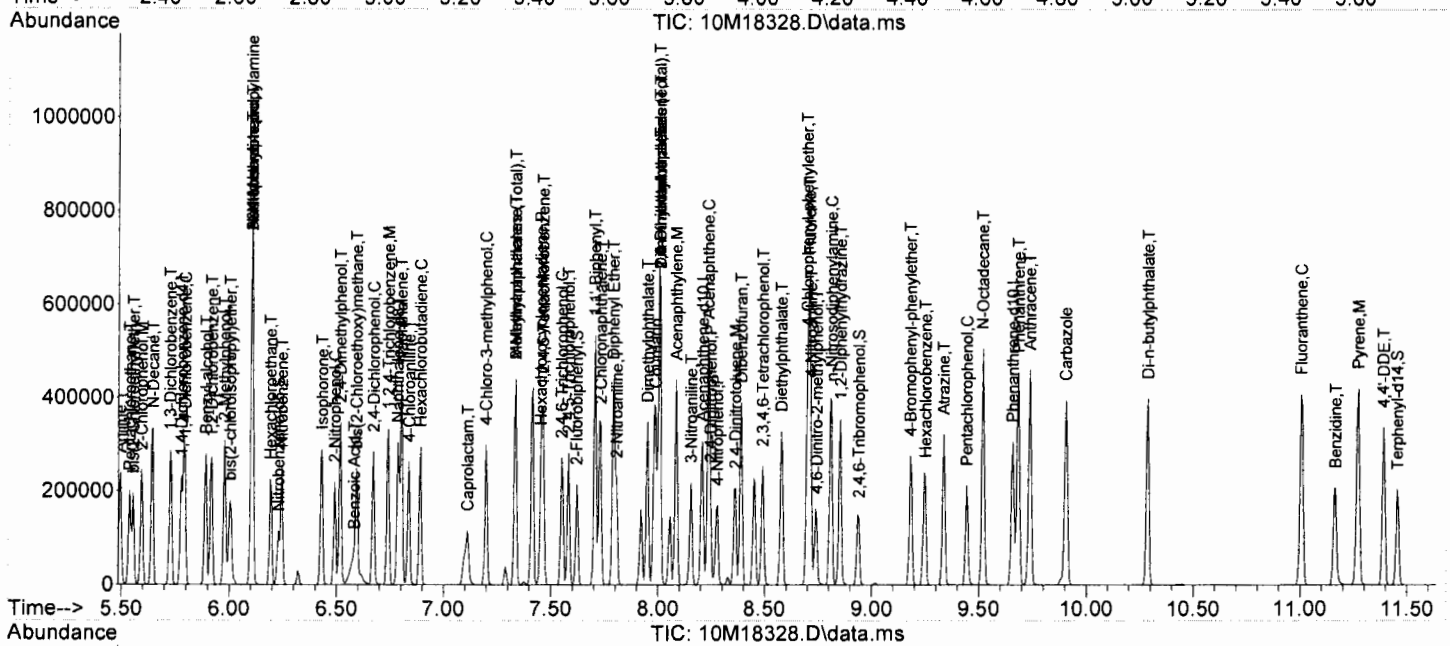
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18328.D Sam Mult : 1 Vial# : 2 Qt On : 12/14/10 12:18
Acq On : 12/14/10 09:54 Misc : A,BNA Qt Upd On: 12/14/10 10:04

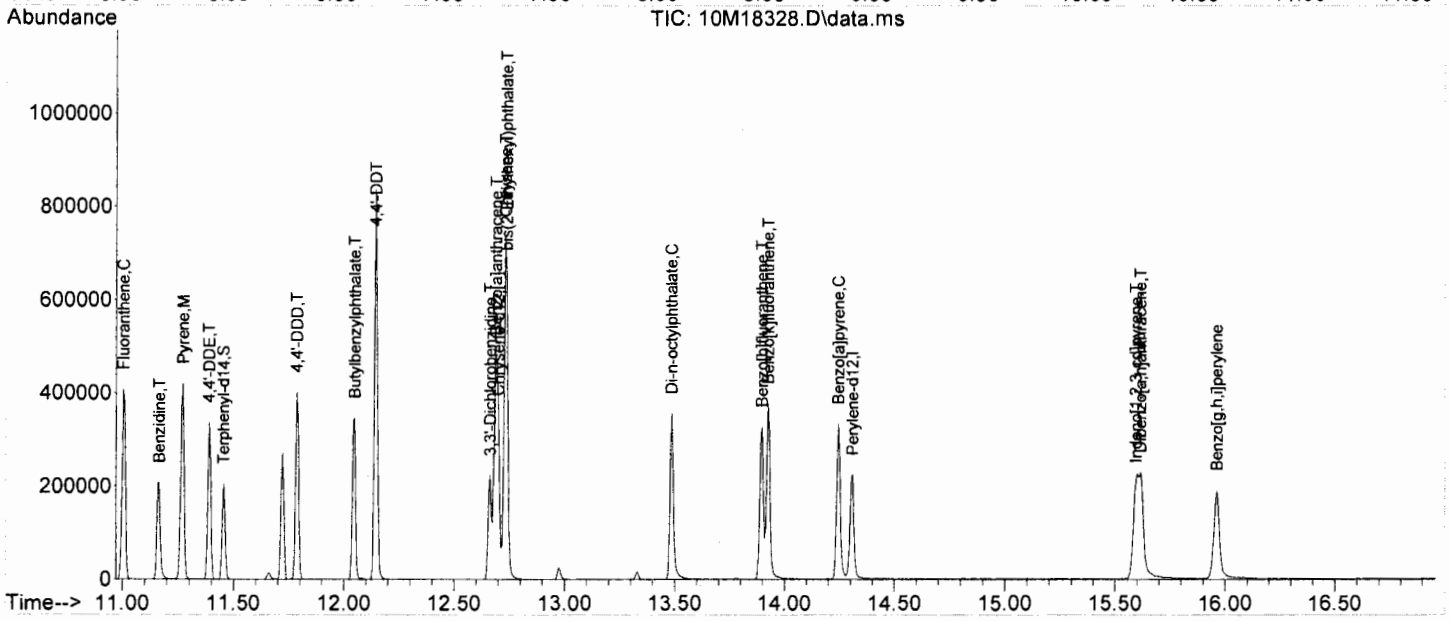
Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.363	165	34920	52.85	ng	68
67) 4-Nitrophenol	8.277	65	27229	53.95	ng	92
68) 2,3,4,6-Tetrachlorophenol	8.491	232	25452	51.15	ng	89
69) Fluorene	8.710	166	120995	52.69	ng	98
70) 4-Chlorophenyl-phenyle...	8.700	204	54138	52.40	ng	89
71) Diethylphthalate	8.577	149	113748	52.21	ng	99
72) 4-Nitroaniline	8.716	138	30501	53.70	ng	84
73) Atrazine	9.336	200	33429	52.81	ng	98
75) 4,6-Dinitro-2-methylph...	8.743	198	21166	53.19	ng	60
76) n-Nitrosodiphenylamine	8.812	169	100195	51.54	ng	98
78) 1,2-Diphenylhydrazine	8.855	77	122924	51.42	ng	85
79) 4-Bromophenyl-phenylether	9.181	248	27900	52.13	ng	95
80) Hexachlorobenzene	9.251	284	29375	51.86	ng	67
81) N-Octadecane	9.518	57	77183	53.24	ng	86
82) Pentachlorophenol	9.443	266	19423	52.39	ng	95
83) Phenanthrene	9.684	178	166265	51.07	ng	99
84) Anthracene	9.737	178	172843	52.02	ng	99
85) Carbazole	9.903	167	163605	52.36	ng	98
86) Di-n-butylphthalate	10.288	149	196051	52.61	ng	98
87) Fluoranthene	11.005	202	178313	52.03	ng	94
89) Pyrene	11.272	202	181377	52.11	ng	86
90) Benzidine	11.165	184	90940	59.95	ng	85
92) 4,4'-DDE	11.390	246	36173	51.82	ng	96
93) 4,4'-DDD	11.786	235	68380	53.16	ng	88
94) Butylbenzylphthalate	12.048	149	86116	53.12	ng	72
95) 4,4'-DDT	12.144	235	59341	54.85	ng	94
96) 3,3'-Dichlorobenzidine	12.663	252	48939	61.08	ng	96
97) Benzo[a]anthracene	12.690	228	157005	50.92	ng	99
98) Chrysene	12.733	228	157638	51.81	ng	98
99) bis(2-Ethylhexyl)phtha...	12.738	149	123502	52.63	ng	93
101) Di-n-octylphthalate	13.487	149	198565	50.00	ng	100
102) Benzo[b]fluoranthene	13.899	252	138939m	51.51	ng	
103) Benzo[k]fluoranthene	13.925	252	156711m	54.43	ng	
104) Benzo[a]pyrene	14.246	252	145556	54.58	ng	94
105) Indeno[1,2,3-cd]pyrene	15.594	276	147384	52.24	ng	89
106) Dibenzo[a,h]anthracene	15.616	278	119587	53.33	ng	91
107) Benzo[g,h,i]perylene	15.963	276	123624	53.30	ng	89

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


Abundance
TIC: 10M18328.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M18328.D
Acq On : 12/14/10 09:54
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:18
Qt Upd On: 12/14/10 10:04
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M18328.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dichlorophenol,C
Benzoic Acid,T
Hexachlorobutadiene,C
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M18328.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18336.D Sam Mult : 1 Vial# : 10 Qt On : 12/14/10 13:23
Acq On : 12/14/10 13:00 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.779	152	29221	40.00	ng	0.00
29) Naphthalene-d8	6.785	136	105866	40.00	ng	0.00
47) Acenaphthene-d10	8.202	164	66909	40.00	ng	0.00
74) Phenanthrene-d10	9.657	188	117238	40.00	ng	0.00
88) Chrysene-d12	12.695	240	106420	40.00	ng	0.00
100) Perylene-d12	14.305	264	91617	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.565	112	1458	1.67	ng	0.00
Spiked Amount 100.000			Recovery = 1.67%			
15) Phenol-d5	5.453	99	2091	1.78	ng	0.00
Spiked Amount 100.000			Recovery = 1.78%			
30) Nitrobenzene-d5	6.229	128	326	0.74	ng	0.00
Spiked Amount 50.000			Recovery = 1.48%			
52) 2-Fluorobiphenyl	7.619	172	2046	0.92	ng	0.00
Spiked Amount 50.000			Recovery = 1.84%			
77) 2,4,6-Tribromophenol	8.935	330	286	1.15	ng	0.00
Spiked Amount 100.000			Recovery = 1.15%			
91) Terphenyl-d14	11.454	244	2116	0.97	ng	0.00
Spiked Amount 50.000			Recovery = 1.94%			
Target Compounds						Qvalue
8) Pyridine	3.046	79	1402	1.41	ng	63
9) N-Nitrosodimethylamine	2.961	74	980	1.68	ng	86
11) Benzaldehyde	5.400	77	1307	1.72	ng	78
12) Aniline	5.496	93	1690	1.25	ng	68
13) Pentachloroethane	5.539	117	483	1.54	ng	39
14) bis(2-Chloroethyl)ether	5.555	93	1668	1.86	ng	85
16) Phenol	5.464	94	2247	1.76	ng	97
17) 2-Chlorophenol	5.592	128	1934	1.99	ng	85
18) N-Decane	5.640	57	2143	2.00	ng	99
19) 1,3-Dichlorobenzene	5.726	146	2140	1.95	ng	89
20) 1,4-Dichlorobenzene	5.790	146	2160	1.92	ng	84
21) 1,2-Dichlorobenzene	5.919	146	2084	1.95	ng	94
22) Benzyl alcohol	5.886	108	1154	1.85	ng	79
23) bis(2-chloroisopropyl)...	6.004	45	2561	2.08	ng	59
24) 2-Methylphenol	5.977	108	1623	1.87	ng	87
25) Acetophenone	6.106	105	2598	1.86	ng	83
26) Hexachloroethane	6.191	117	810	1.95	ng	83
27) N-Nitroso-di-n-propyla...	6.106	70	1389	1.84	ng	90
28) 3&4-Methylphenol	6.100	108	1720	1.84	ng	95
31) Nitrobenzene	6.239	77	1984	1.83	ng	90
32) Isophorone	6.427	82	3545	1.86	ng	89
33) 2-Nitrophenol	6.491	139	718	1.39	ng	89
34) 2,4-Dimethylphenol	6.512	107	1701	1.70	ng	98
35) Benzoic Acid	0.000		0	N.D.		
36) bis(2-Chloroethoxy)met...	6.592	93	2128	1.91	ng	97
37) 2,4-Dichlorophenol	6.673	162	1231	1.49	ng	90
38) 1,2,4-Trichlorobenzene	6.737	180	1849	1.88	ng	97
39) Naphthalene	6.801	128	5785	1.92	ng	98
40) 4-Chloroaniline	6.838	127	1596	1.91	ng	91
41) Hexachlorobutadiene	6.892	225	950	1.95	ng	90
42) Caprolactam	7.079	113	516	1.47	ng	72
43) 4-Chloro-3-methylphenol	7.191	107	1442	1.66	ng	77
44) 2-Methylnaphthalene	7.336	142	3553	1.80	ng	92
45) Methylnaphthalenes (To...	7.336	142	3553	1.80	ng	92
46) 1,1'-Biphenyl	7.705	154	5023	1.90	ng	97
48) 1,2,4,5-Tetrachloroben...	7.464	216	1896	2.04	ng	95
49) Hexachlorocyclopentadiene	7.454	237	911	1.58	ng	86
50) 2,4,6-Trichlorophenol	7.550	196	836m	1.37	ng	
51) 2,4,5-Trichlorophenol	7.577	196	1001m	1.57	ng	
53) 2-Chloronaphthalene	7.726	162	3399	1.73	ng	99
54) 1,4-Dimethylnaphthalene	8.005	156	2903	1.79	ng	96
55) Dimethylnaphthalenes (...	8.005	156	2903	1.79	ng	96
56) Diphenyl Ether	7.791	170	2900	1.94	ng	77
57) 2-Nitroaniline	7.801	65	1249	1.61	ng	65
58) Coumarin	7.983	146	1365	1.73	ng	50
59) Acenaphthylene	8.079	152	5661	1.77	ng	96
60) Dimethylphthalate	7.946	163	4197	1.85	ng	96
61) 2,6-Dinitrotoluene	8.005	165	879	1.70	ng	63
62) Acenaphthene	8.234	153	3956	1.90	ng	99
63) 3-Nitroaniline	8.149	138	753	1.68	ng	93
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.384	168	5233	1.82	ng	91

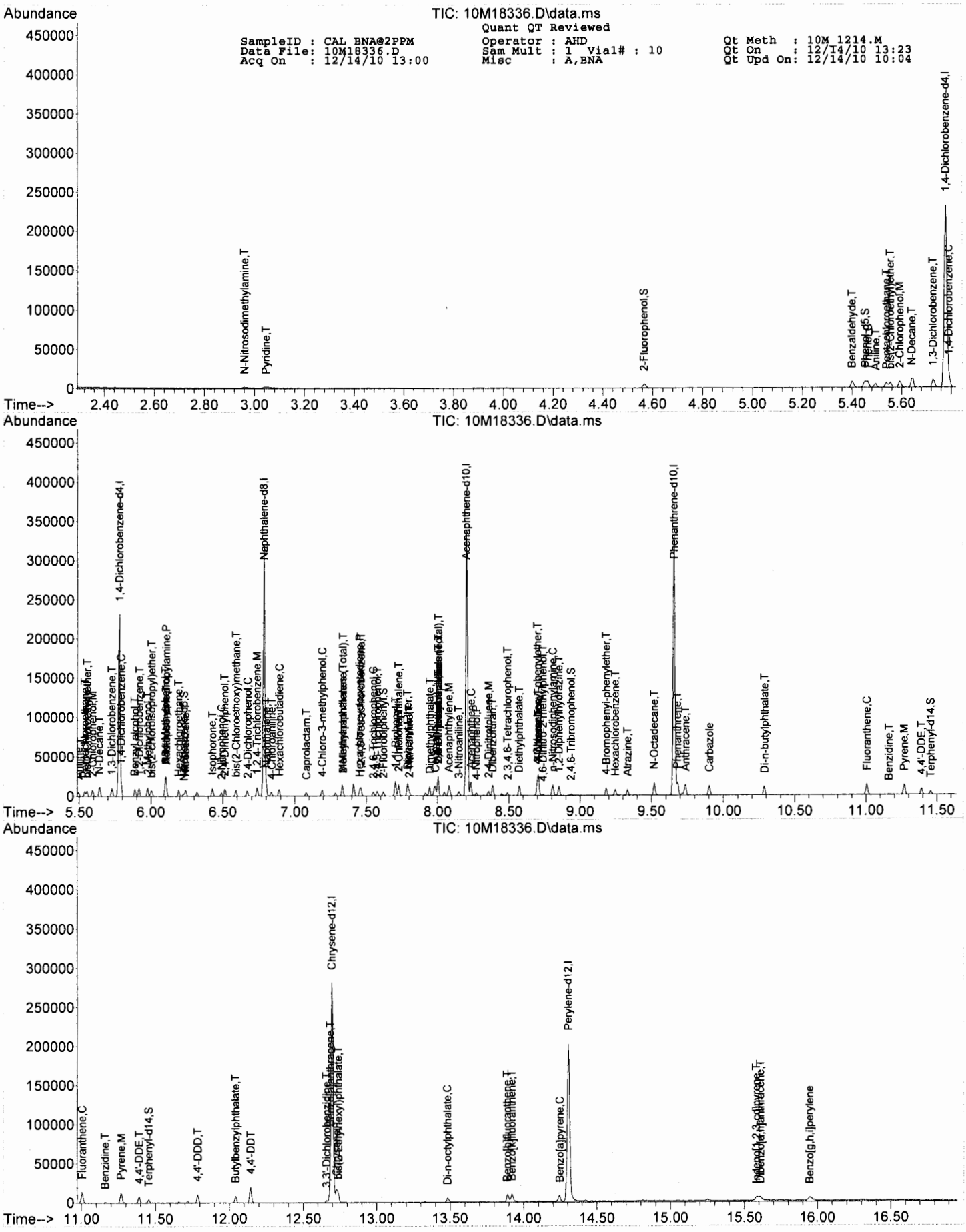
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18336.D Sam Mult : 1 Vial# : 10 Qt On : 12/14/10 13:23
Acq On : 12/14/10 13:00 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.357	165	1101	1.62	ng	69
67)	4-Nitrophenol	8.272	65	525	1.01	ng	86
68)	2,3,4,6-Tetrachlorophenol	8.491	232	617	1.20	ng	81
69)	Fluorene	8.705	166	4567	1.93	ng	90
70)	4-Chlorophenyl-phenyle...	8.700	204	1966	1.85	ng	90
71)	Diethylphthalate	8.571	149	4191	1.87	ng	99
72)	4-Nitroaniline	8.705	138	913	1.56	ng	80
73)	Atrazine	9.331	200	1075	1.65	ng	91
75)	4,6-Dinitro-2-methylph...	8.737	198	189	0.47	ng	56
76)	n-Nitrosodiphenylamine	8.807	169	3783	1.91	ng	94
78)	1,2-Diphenylhydrazine	8.850	77	4332	1.78	ng	91
79)	4-Bromophenyl-phenylether	9.181	248	947	1.74	ng	81
80)	Hexachlorobenzene	9.245	284	1102	1.91	ng	84
81)	N-Octadecane	9.518	57	2582	1.75	ng	79
82)	Pentachlorophenol	0.000		0	N.D.	d	
83)	Phenanthrene	9.679	178	6844	2.06	ng	96
84)	Anthracene	9.737	178	6103	1.80	ng	96
85)	Carbazole	9.903	167	5970	1.88	ng	96
86)	Di-n-butylphthalate	10.288	149	6258	1.65	ng	95
87)	Fluoranthene	11.005	202	6343	1.82	ng	89
89)	Pyrene	11.267	202	6264	1.85	ng	85
90)	Benzidine	11.160	184	750	0.52	ng	64
92)	4,4'-DDE	11.390	246	1298	1.91	ng	94
93)	4,4'-DDD	11.786	235	2218	1.77	ng	92
94)	Butylbenzylphthalate	12.043	149	2416	1.53	ng	79
95)	4,4'-DDT	12.144	235	1610	1.53	ng	95
96)	3,3'-Dichlorobenzidine	12.658	252	1099	1.28	ng	93
97)	Benzo[a]anthracene	12.685	228	6002	2.00	ng	98
98)	Chrysene	12.727	228	5665	1.91	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.738	149	3079	1.35	ng	96
101)	Di-n-octylphthalate	13.482	149	3929	1.08	ng	97
102)	Benzo[b]fluoranthene	13.888	252	4539	1.78	ng	95
103)	Benzo[k]fluoranthene	13.920	252	4746	1.74	ng	91
104)	Benzo[a]pyrene	14.246	252	4202	1.66	ng	89
105)	Indeno[1,2,3-cd]pyrene	15.584	276	3996	1.49	ng	88
106)	Dibenzo[a,h]anthracene	15.610	278	3103	1.46	ng	86
107)	Benzo[g,h,i]perylene	15.947	276	3624	1.65	ng	90

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


TIC: 10M18336.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M18336.D
Acq On : 12/14/10 13:00
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 13:23
Qt Upd On: 12/14/10 10:04
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 10M18334.D
Acq On : 12/14/10 12:14

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:35
Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.779	152	30032	40.00	ng	0.00
29) Naphthalene-d8	6.785	136	108512	40.00	ng	0.00
47) Acenaphthene-d10	8.208	164	67603	40.00	ng	0.00
74) Phenanthrene-d10	9.657	188	121044	40.00	ng	0.00
88) Chrysene-d12	12.695	240	113139	40.00	ng	0.00
100) Perylene-d12	14.305	264	105505	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.565	112	8800	9.78	ng	0.00
Spiked Amount 100.000			Recovery = 9.78%			
15) Phenol-d5	5.453	99	11609	9.60	ng	0.00
Spiked Amount 100.000			Recovery = 9.60%			
30) Nitrobenzene-d5	6.229	128	2357	5.25	ng	0.00
Spiked Amount 50.000			Recovery = 10.50%			
52) 2-Fluorobiphenyl	7.619	172	10894	4.87	ng	0.00
Spiked Amount 50.000			Recovery = 9.74%			
77) 2,4,6-Tribromophenol	8.935	330	2314	9.00	ng	0.00
Spiked Amount 100.000			Recovery = 9.00%			
91) Terphenyl-d14	11.454	244	11331	4.87	ng	0.00
Spiked Amount 50.000			Recovery = 9.74%			
Target Compounds						Qvalue
8) Pyridine	3.014	79	9992	9.77	ng	75
9) N-Nitrosodimethylamine	2.945	74	6040	10.05	ng	80
11) Benzaldehyde	5.400	77	8085	10.33	ng	92
12) Aniline	5.496	93	11053	7.95	ng	63
13) Pentachloroethane	5.539	117	3081	9.58	ng	67
14) bis(2-Chloroethyl)ether	5.555	93	8866	9.64	ng	83
16) Phenol	5.464	94	13132	10.01	ng	95
17) 2-Chlorophenol	5.592	128	9857	9.87	ng	87
18) N-Decane	5.640	57	11433	10.37	ng	87
19) 1,3-Dichlorobenzene	5.731	146	11222	9.93	ng	93
20) 1,4-Dichlorobenzene	5.790	146	11434	9.88	ng	96
21) 1,2-Dichlorobenzene	5.918	146	11055	10.08	ng	97
22) Benzyl alcohol	5.886	108	6307	9.83	ng	93
23) bis(2-chloroisopropyl)...	6.004	45	13688	10.84	ng	86
24) 2-Methylphenol	5.977	108	8711	9.77	ng	96
25) Acetophenone	6.106	105	14153	9.88	ng	80
26) Hexachloroethane	6.191	117	4200	9.81	ng	86
27) N-Nitroso-di-n-propyla...	6.106	70	8003	10.34	ng	83
28) 3&4-Methylphenol	6.100	108	9536	9.94	ng	93
31) Nitrobenzene	6.239	77	11367	10.23	ng	90
32) Isophorone	6.427	82	19787	10.15	ng	96
33) 2-Nitrophenol	6.491	139	4973	9.40	ng	81
34) 2,4-Dimethylphenol	6.518	107	10354	10.12	ng	95
35) Benzoic Acid	6.555	105	2727	4.18	ng	89
36) bis(2-Chloroethoxy)met...	6.592	93	11378	9.98	ng	96
37) 2,4-Dichlorophenol	6.673	162	8409	9.93	ng	88
38) 1,2,4-Trichlorobenzene	6.737	180	9688	9.63	ng	98
39) Naphthalene	6.801	128	29963	9.69	ng	96
40) 4-Chloroaniline	6.838	127	8803	10.29	ng	97
41) Hexachlorobutadiene	6.892	225	5276	10.57	ng	94
42) Caprolactam	7.084	113	3342	9.30	ng	75
43) 4-Chloro-3-methylphenol	7.191	107	9012	10.11	ng	87
44) 2-Methylnaphthalene	7.336	142	20005	9.91	ng	98
45) Methylnaphthalenes (To...	7.336	142	20005	9.91	ng	98
46) 1,1'-Biphenyl	7.705	154	27083	9.97	ng	93
48) 1,2,4,5-Tetrachloroben...	7.464	216	9093	9.66	ng	98
49) Hexachlorocyclopentadiene	7.454	237	5449	9.35	ng	98
50) 2,4,6-Trichlorophenol	7.550	196	6040	9.83	ng	98
51) 2,4,5-Trichlorophenol	7.577	196	6190m	9.62	ng	
53) 2-Chloronaphthalene	7.726	162	18837	9.51	ng	95
54) 1,4-Dimethylnaphthalene	8.004	156	15510	9.49	ng	93
55) Dimethylnaphthalenes (...	8.004	156	15510	9.49	ng	93
56) Diphenyl Ether	7.790	170	14779	9.80	ng	78
57) 2-Nitroaniline	7.801	65	7698	9.82	ng	78
58) Coumarin	7.983	146	8116	10.16	ng	69
59) Acenaphthylene	8.085	152	31819	9.87	ng	96
60) Dimethylphthalate	7.946	163	22080	9.61	ng	99
61) 2,6-Dinitrotoluene	8.004	165	4970	9.49	ng	69
62) Acenaphthene	8.234	153	20456	9.73	ng	96
63) 3-Nitroaniline	8.149	138	4889	10.78	ng	92
64) 2,4-Dinitrophenol	8.245	184	2119	5.73	ng	38
65) Dibenzofuran	8.390	168	27948	9.64	ng	86

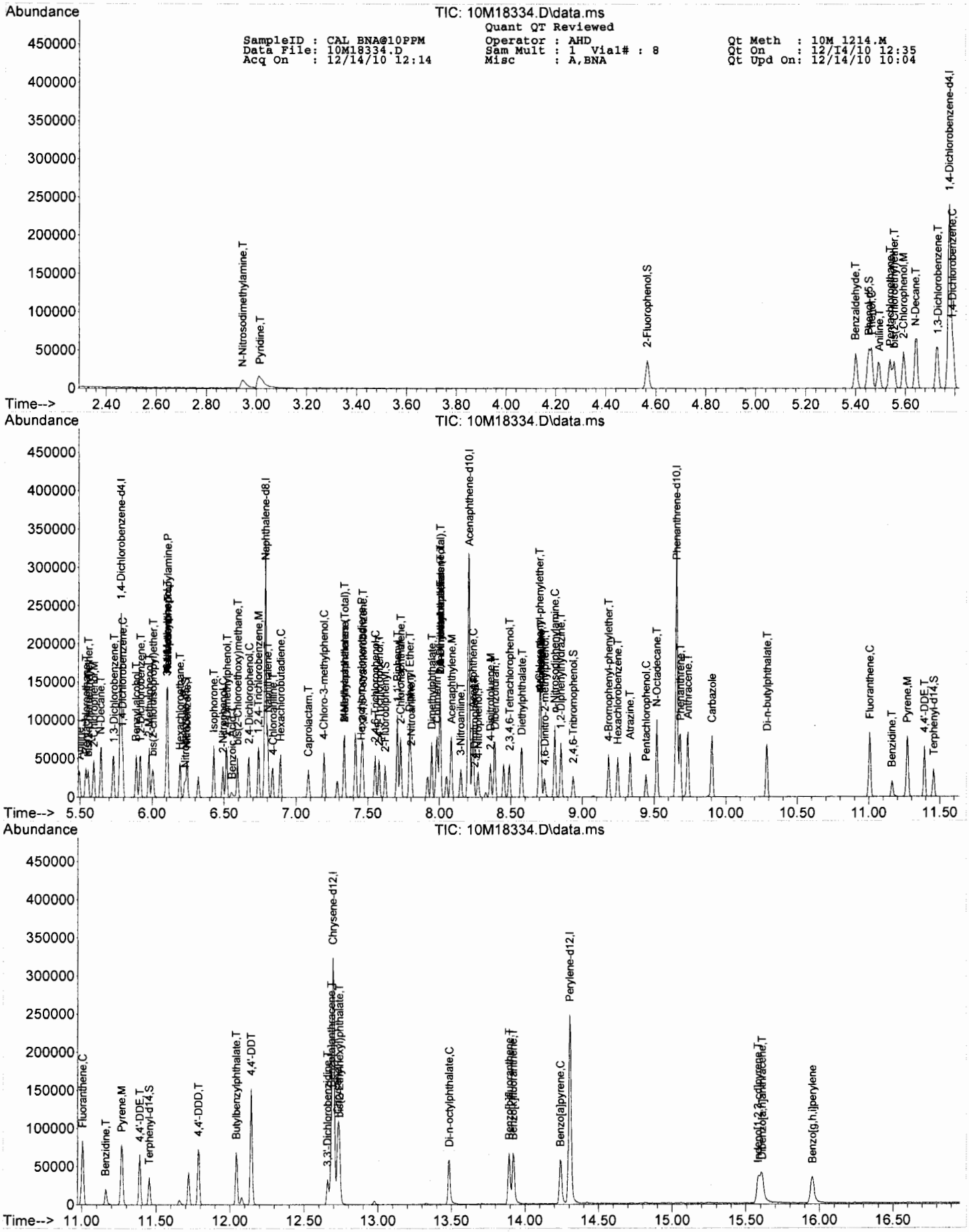
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18334.D Sam Mult : 1 Vial# : 8 Qt On : 12/14/10 12:35
Acq On : 12/14/10 12:14 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.357	165	7012	10.20	ng	66
67)	4-Nitrophenol	8.272	65	4933	9.40	ng	95
68)	2,3,4,6-Tetrachlorophenol	8.491	232	4843	9.36	ng	89
69)	Fluorene	8.710	166	24030	10.06	ng	91
70)	4-Chlorophenyl-phenyle...	8.700	204	10469	9.74	ng	87
71)	Diethylphthalate	8.577	149	21622	9.54	ng	92
72)	4-Nitroaniline	8.710	138	5644	9.55	ng	81
73)	Atrazine	9.331	200	6370	9.68	ng	93
75)	4,6-Dinitro-2-methylph...	8.737	198	3246	7.76	ng	60
76)	n-Nitrosodiphenylamine	8.807	169	20218	9.89	ng	99
78)	1,2-Diphenylhydrazine	8.850	77	24570	9.78	ng	92
79)	4-Bromophenyl-phenylether	9.181	248	5612	9.97	ng	96
80)	Hexachlorobenzene	9.245	284	5831	9.79	ng	78
81)	N-Octadecane	9.518	57	14730	9.66	ng	81
82)	Pentachlorophenol	9.443	266	3062	7.85	ng	88
83)	Phenanthrene	9.684	178	32833	9.59	ng	97
84)	Anthracene	9.737	178	33685	9.64	ng	98
85)	Carbazole	9.903	167	32019	9.75	ng	96
86)	Di-n-butylphthalate	10.288	149	35370	9.03	ng	98
87)	Fluoranthene	11.005	202	34727	9.64	ng	88
89)	Pyrene	11.267	202	35490	9.86	ng	91
90)	Benzidine	11.160	184	10073	6.61	ng	88
92)	4,4'-DDE	11.390	246	7194	9.97	ng	95
93)	4,4'-DDD	11.786	235	13237	9.95	ng	89
94)	Butylbenzylphthalate	12.043	149	15989	9.54	ng	83
95)	4,4'-DDT	12.144	235	10696	9.56	ng	93
96)	3,3'-Dichlorobenzidine	12.658	252	8394	9.28	ng	95
97)	Benzo[a]anthracene	12.684	228	31332	9.83	ng	98
98)	Chrysene	12.727	228	30453	9.68	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.738	149	22086	9.10	ng	93
101)	Di-n-octylphthalate	13.487	149	34625	8.22	ng	99
102)	Benzo[b]fluoranthene	13.893	252	28295	9.61	ng	94
103)	Benzo[k]fluoranthene	13.920	252	29319m	9.33	ng	
104)	Benzo[a]pyrene	14.241	252	29083	9.99	ng	95
105)	Indeno[1,2,3-cd]pyrene	15.583	276	29804	9.68	ng	81
106)	Dibenzo[a,h]anthracene	15.610	278	23869	9.75	ng	90
107)	Benzo[g,h,i]perylene	15.953	276	24758	9.78	ng	88

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


Abundance
TIC: 10M18334.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M18334.D
Acq On : 12/14/10 12:14
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:35
Qt Upd On: 12/14/10 10:04
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Hexachlorobutadiene,C
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
Data File: 10M18333.D
Acq On : 12/14/10 11:49

Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:34
Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.780	152	26689	40.00	ng	0.00
29) Naphthalene-d8	6.785	136	98079	40.00	ng	0.00
47) Acenaphthene-d10	8.203	164	59850	40.00	ng	0.00
74) Phenanthrene-d10	9.657	188	108325	40.00	ng	0.00
88) Chrysene-d12	12.701	240	102669	40.00	ng	0.00
100) Perylene-d12	14.305	264	96644	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.565	112	15886	19.88	ng	0.00
Spiked Amount 100.000			Recovery = 19.88%			
15) Phenol-d5	5.453	99	21702	20.19	ng	0.00
Spiked Amount 100.000			Recovery = 20.19%			
30) Nitrobenzene-d5	6.229	128	4327	10.67	ng	0.00
Spiked Amount 50.000			Recovery = 21.34%			
52) 2-Fluorobiphenyl	7.620	172	19822	10.01	ng	0.00
Spiked Amount 50.000			Recovery = 20.02%			
77) 2,4,6-Tribromophenol	8.935	330	4476	19.45	ng	0.00
Spiked Amount 100.000			Recovery = 19.45%			
91) Terphenyl-d14	11.454	244	20806	9.86	ng	0.00
Spiked Amount 50.000			Recovery = 19.72%			
Target Compounds						Qvalue
8) Pyridine	3.004	79	19147	21.07	ng	80
9) N-Nitrosodimethylamine	2.939	74	10570	19.80	ng	90
11) Benzaldehyde	5.400	77	14139	20.33	ng	89
12) Aniline	5.496	93	23257	18.83	ng	59
13) Pentachloroethane	5.539	117	5818	20.36	ng	71
14) bis(2-Chloroethyl)ether	5.555	93	16854	20.61	ng	80
16) Phenol	5.464	94	24392	20.92	ng	94
17) 2-Chlorophenol	5.592	128	17672	19.91	ng	86
18) N-Decane	5.641	57	19596	19.99	ng	87
19) 1,3-Dichlorobenzene	5.726	146	20284	20.19	ng	96
20) 1,4-Dichlorobenzene	5.790	146	20590	20.01	ng	100
21) 1,2-Dichlorobenzene	5.919	146	19861	20.38	ng	97
22) Benzyl alcohol	5.887	108	10990	19.28	ng	93
23) bis(2-chloroisopropyl)...	6.004	45	24682	21.99	ng	84
24) 2-Methylphenol	5.978	108	16396	20.70	ng	97
25) Acetophenone	6.106	105	25886	20.32	ng	78
26) Hexachloroethane	6.191	117	7774	20.44	ng	83
27) N-Nitroso-di-n-propyla...	6.106	70	13971	20.31	ng	84
28) 3&4-Methylphenol	6.101	108	17732	20.81	ng	98
31) Nitrobenzene	6.240	77	20397	20.30	ng	91
32) Isophorone	6.427	82	35137	19.94	ng	92
33) 2-Nitrophenol	6.491	139	9636	20.15	ng	90
34) 2,4-Dimethylphenol	6.518	107	18948	20.49	ng	99
35) Benzoic Acid	6.561	105	8443	14.09	ng	99
36) bis(2-Chloroethoxy)met...	6.593	93	20136	19.53	ng	96
37) 2,4-Dichlorophenol	6.673	162	15076	19.69	ng	86
38) 1,2,4-Trichlorobenzene	6.737	180	17676	19.45	ng	98
39) Naphthalene	6.801	128	54750	19.59	ng	98
40) 4-Chloroaniline	6.839	127	18194	23.54	ng	99
41) Hexachlorobutadiene	6.892	225	9262	20.53	ng	94
42) Caprolactam	7.090	113	5969	18.38	ng	73
43) 4-Chloro-3-methylphenol	7.192	107	16362	20.30	ng	85
44) 2-Methylnaphthalene	7.336	142	36219	19.85	ng	97
45) Methylnaphthalenes (To...	7.336	142	36219	19.85	ng	97
46) 1,1'-Biphenyl	7.705	154	48107	19.60	ng	94
48) 1,2,4,5-Tetrachloroben...	7.464	216	16580	19.90	ng	97
49) Hexachlorocyclopentadiene	7.454	237	9968	19.31	ng	94
50) 2,4,6-Trichlorophenol	7.550	196	11039m	20.29	ng	
51) 2,4,5-Trichlorophenol	7.577	196	11448m	20.10	ng	
53) 2-Chloronaphthalene	7.726	162	34387	19.62	ng	96
54) 1,4-Dimethylnaphthalene	8.005	156	27875	19.26	ng	93
55) Dimethylnaphthalenes (...	8.005	156	27875	19.26	ng	93
56) Diphenyl Ether	7.791	170	26779	20.07	ng	79
57) 2-Nitroaniline	7.801	65	14710	21.19	ng	81
58) Coumarin	7.983	146	14349	20.30	ng	61
59) Acenaphthylene	8.085	152	56977	19.96	ng	99
60) Dimethylphthalate	7.946	163	39920	19.62	ng	96
61) 2,6-Dinitrotoluene	8.005	165	8564	18.48	ng	74
62) Acenaphthene	8.235	153	37295	20.05	ng	91
63) 3-Nitroaniline	8.149	138	8645	21.53	ng	92
64) 2,4-Dinitrophenol	8.245	184	4426	13.51	ng	60
65) Dibenzofuran	8.390	168	49614	19.33	ng	84

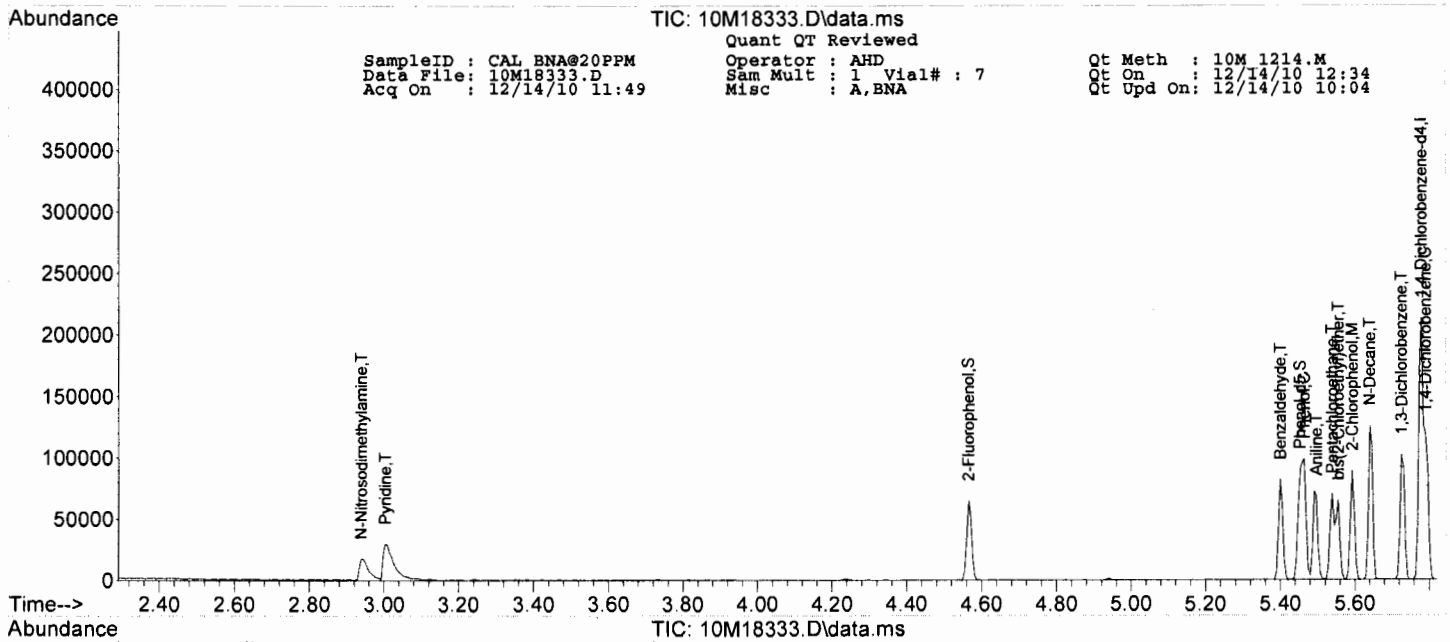
Quantitation Report (QT Reviewed)

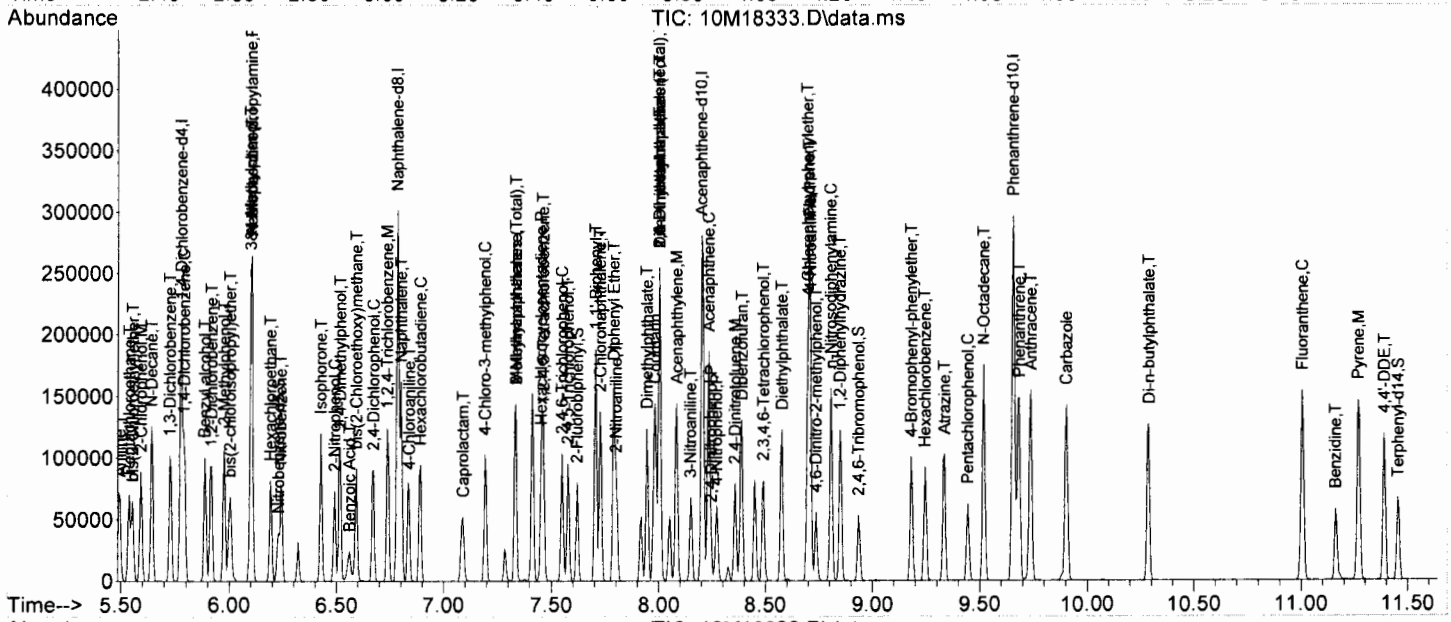
SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18333.D Sam Mult : 1 Vial# : 7 Qt On : 12/14/10 12:34
Acq On : 12/14/10 11:49 Misc : A,BNA Qt Upd On: 12/14/10 10:04

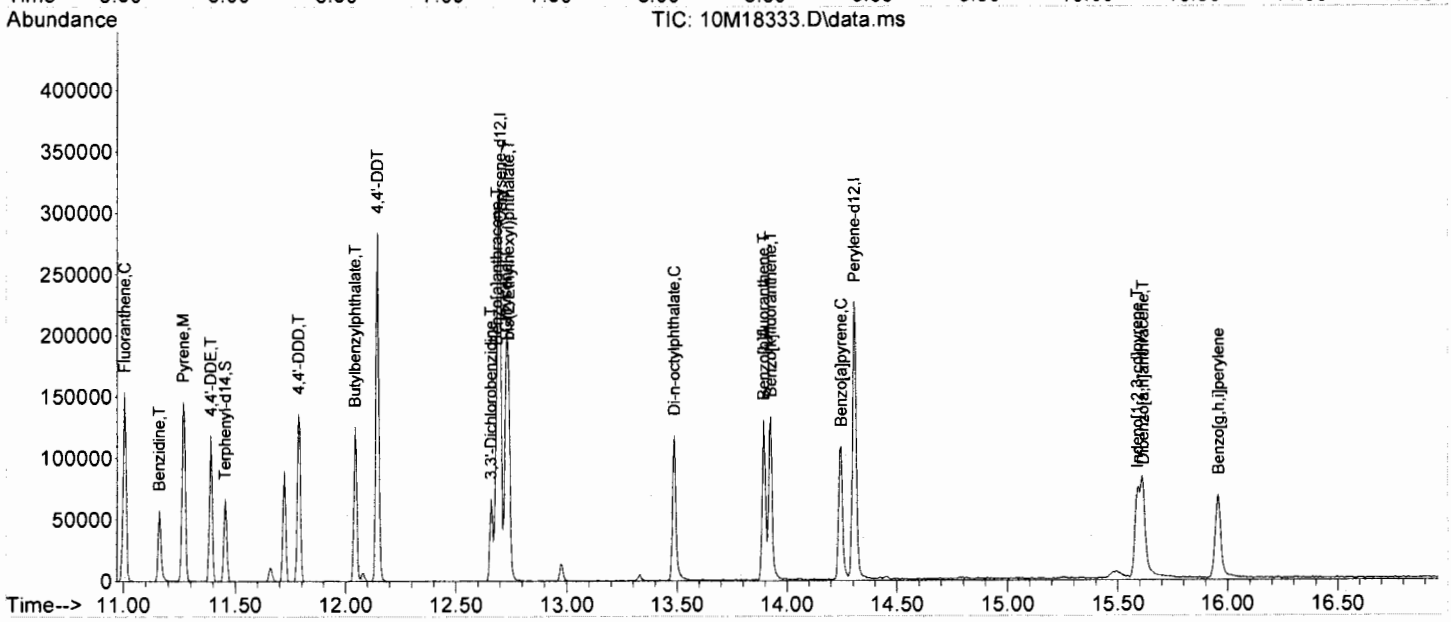
Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.358	165	12102	19.89	ng	70
67)	4-Nitrophenol	8.272	65	9062	19.50	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.491	232	8990	19.62	ng	88
69)	Fluorene	8.705	166	42608	20.15	ng	97
70)	4-Chlorophenyl-phenyle...	8.700	204	18843	19.81	ng	89
71)	Diethylphthalate	8.577	149	40216	20.05	ng	98
72)	4-Nitroaniline	8.711	138	10462	20.01	ng	81
73)	Atrazine	9.336	200	11314	19.41	ng	97
75)	4,6-Dinitro-2-methylph...	8.737	198	6687	17.86	ng	59
76)	n-Nitrosodiphenylamine	8.807	169	34931	19.10	ng	99
78)	1,2-Diphenylhydrazine	8.850	77	43419	19.30	ng	91
79)	4-Bromophenyl-phenylether	9.181	248	9779	19.42	ng	92
80)	Hexachlorobenzene	9.246	284	10361	19.44	ng	75
81)	N-Octadecane	9.518	57	26690	19.57	ng	85
82)	Pentachlorophenol	9.443	266	6140	17.60	ng	89
83)	Phenanthrene	9.684	178	60068	19.61	ng	99
84)	Anthracene	9.738	178	61063	19.53	ng	98
85)	Carbazole	9.903	167	57561	19.58	ng	97
86)	Di-n-butylphthalate	10.289	149	66487	18.96	ng	96
87)	Fluoranthene	11.005	202	61852	19.18	ng	90
89)	Pyrene	11.267	202	63693	19.50	ng	91
90)	Benzidine	11.160	184	23942	17.20	ng	83
92)	4,4'-DDE	11.390	246	12824	19.58	ng	96
93)	4,4'-DDD	11.786	235	23999	19.88	ng	87
94)	Butylbenzylphthalate	12.043	149	29580	19.45	ng	80
95)	4,4'-DDT	12.144	235	20009	19.71	ng	95
96)	3,3'-Dichlorobenzidine	12.658	252	15619	19.35	ng	96
97)	Benzo[a]anthracene	12.685	228	56913	19.67	ng	98
98)	Chrysene	12.727	228	56028	19.63	ng	97
99)	bis(2-Ethylhexyl)phtha...	12.738	149	41882	19.02	ng	95
101)	Di-n-octylphthalate	13.487	149	68208	17.57	ng	99
102)	Benzo[b]fluoranthene	13.893	252	50903	18.88	ng	95
103)	Benzo[k]fluoranthene	13.926	252	56051m	19.47	ng	
104)	Benzo[a]pyrene	14.246	252	52714	19.77	ng	90
105)	Indeno[1,2,3-cd]pyrene	15.589	276	56123	19.89	ng	83
106)	Dibenzo[a,h]anthracene	15.616	278	45031	20.09	ng	91
107)	Benzo[g,h,i]perylene	15.958	276	46031	19.85	ng	89

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


Abundance
TIC: 10M18333.D\data.ms
SampleID : CAL BNA@20PPM
Data File: 10M18333.D
Acq On : 12/14/10 11:49
Quant QT Reviewed
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:34
Qt Upd On: 12/14/10 10:04
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M18333.D\data.ms
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
Hexachlorobutadiene,C
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M18333.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18332.D Sam Mult : 1 Vial# : 6 Qt On : 12/14/10 12:33
Acq On : 12/14/10 11:26 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.780	152	28010	40.00	ng	0.00
29) Naphthalene-d8	6.785	136	102081	40.00	ng	0.00
47) Acenaphthene-d10	8.208	164	62742	40.00	ng	0.00
74) Phenanthrene-d10	9.657	188	107667	40.00	ng	0.00
88) Chrysene-d12	12.701	240	102133	40.00	ng	0.00
100) Perylene-d12	14.311	264	92476	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.571	112	67773	80.79	ng	0.00
Spiked Amount 100.000			Recovery = 80.79%			
15) Phenol-d5	5.459	99	90907	80.58	ng	0.00
Spiked Amount 100.000			Recovery = 80.58%			
30) Nitrobenzene-d5	6.229	128	17473	41.39	ng	0.00
Spiked Amount 50.000			Recovery = 82.78%			
52) 2-Fluorobiphenyl	7.620	172	80995	39.01	ng	0.00
Spiked Amount 50.000			Recovery = 78.02%			
77) 2,4,6-Tribromophenol	8.941	330	19596	85.68	ng	0.00
Spiked Amount 100.000			Recovery = 85.68%			
91) Terphenyl-d14	11.460	244	83629	39.85	ng	0.00
Spiked Amount 50.000			Recovery = 79.70%			
Target Compounds						Qvalue
8) Pyridine	2.998	79	81921	85.92	ng	80
9) N-Nitrosodimethylamine	2.939	74	46833	83.57	ng	83
11) Benzaldehyde	5.405	77	52572	72.02	ng	83
12) Aniline	5.496	93	106929	82.50	ng	51
13) Pentachloroethane	5.539	117	24428	81.44	ng	73
14) bis(2-Chloroethyl)ether	5.555	93	69048	80.46	ng	87
16) Phenol	5.469	94	100655	82.26	ng	97
17) 2-Chlorophenol	5.598	128	72902	78.27	ng	84
18) N-Decane	5.646	57	82000	79.72	ng	84
19) 1,3-Dichlorobenzene	5.731	146	84838	80.45	ng	96
20) 1,4-Dichlorobenzene	5.796	146	85536	79.21	ng	98
21) 1,2-Dichlorobenzene	5.919	146	80101	78.33	ng	97
22) Benzyl alcohol	5.892	108	47533	79.44	ng	92
23) bis(2-chloroisopropyl)...	6.004	45	99063	84.09	ng	75
24) 2-Methylphenol	5.983	108	68589	82.51	ng	100
25) Acetophenone	6.111	105	107719	80.59	ng	77
26) Hexachloroethane	6.191	117	32551	81.56	ng	90
27) N-Nitroso-di-n-propyla...	6.111	70	60823	84.25	ng	80
28) 3&4-Methylphenol	6.106	108	75817	84.77	ng	99
31) Nitrobenzene	6.245	77	84515	80.82	ng	90
32) Isophorone	6.432	82	147172	80.26	ng	91
33) 2-Nitrophenol	6.491	139	41246	82.89	ng	87
34) 2,4-Dimethylphenol	6.518	107	78884	81.96	ng	99
35) Benzoic Acid	6.593	105	58284	83.88	ng	97
36) bis(2-Chloroethoxy)met...	6.598	93	84346	78.61	ng	98
37) 2,4-Dichlorophenol	6.673	162	65040	81.60	ng	89
38) 1,2,4-Trichlorobenzene	6.742	180	74026	78.25	ng	99
39) Naphthalene	6.801	128	229106	78.75	ng	98
40) 4-Chloroaniline	6.839	127	80005	99.44	ng	99
41) Hexachlorobutadiene	6.892	225	37961	80.85	ng	97
42) Caprolactam	7.122	113	25731	76.11	ng	78
43) 4-Chloro-3-methylphenol	7.202	107	68499	81.65	ng	83
44) 2-Methylnaphthalene	7.336	142	148827	78.38	ng	99
45) Methylnaphthalenes (To...	7.336	142	148827	78.38	ng	99
46) 1,1'-Biphenyl	7.710	154	200750	78.58	ng	92
48) 1,2,4,5-Tetrachloroben...	7.464	216	68740	78.70	ng	98
49) Hexachlorocyclopentadiene	7.454	237	45884	84.80	ng	99
50) 2,4,6-Trichlorophenol	7.555	196	45651m	80.05	ng	
51) 2,4,5-Trichlorophenol	7.582	196	47354m	79.32	ng	
53) 2-Chloronaphthalene	7.732	162	142931	77.79	ng	93
54) 1,4-Dimethylnaphthalene	8.010	156	114569	75.51	ng	93
55) Dimethylnaphthalenes (...	8.010	156	114569	75.51	ng	93
56) Diphenyl Ether	7.791	170	107124	76.57	ng	83
57) 2-Nitroaniline	7.807	65	59886	82.30	ng	76
58) Coumarin	7.994	146	58114	78.42	ng	58
59) Acenaphthylene	8.085	152	235359	78.65	ng	99
60) Dimethylphthalate	7.951	163	166435	78.04	ng	99
61) 2,6-Dinitrotoluene	8.010	165	39035	80.34	ng	69
62) Acenaphthene	8.235	153	150510	77.17	ng	97
63) 3-Nitroaniline	8.160	138	37554	89.22	ng	78
64) 2,4-Dinitrophenol	8.245	184	25207	73.40	ng	63
65) Dibenzofuran	8.390	168	207329	77.05	ng	88

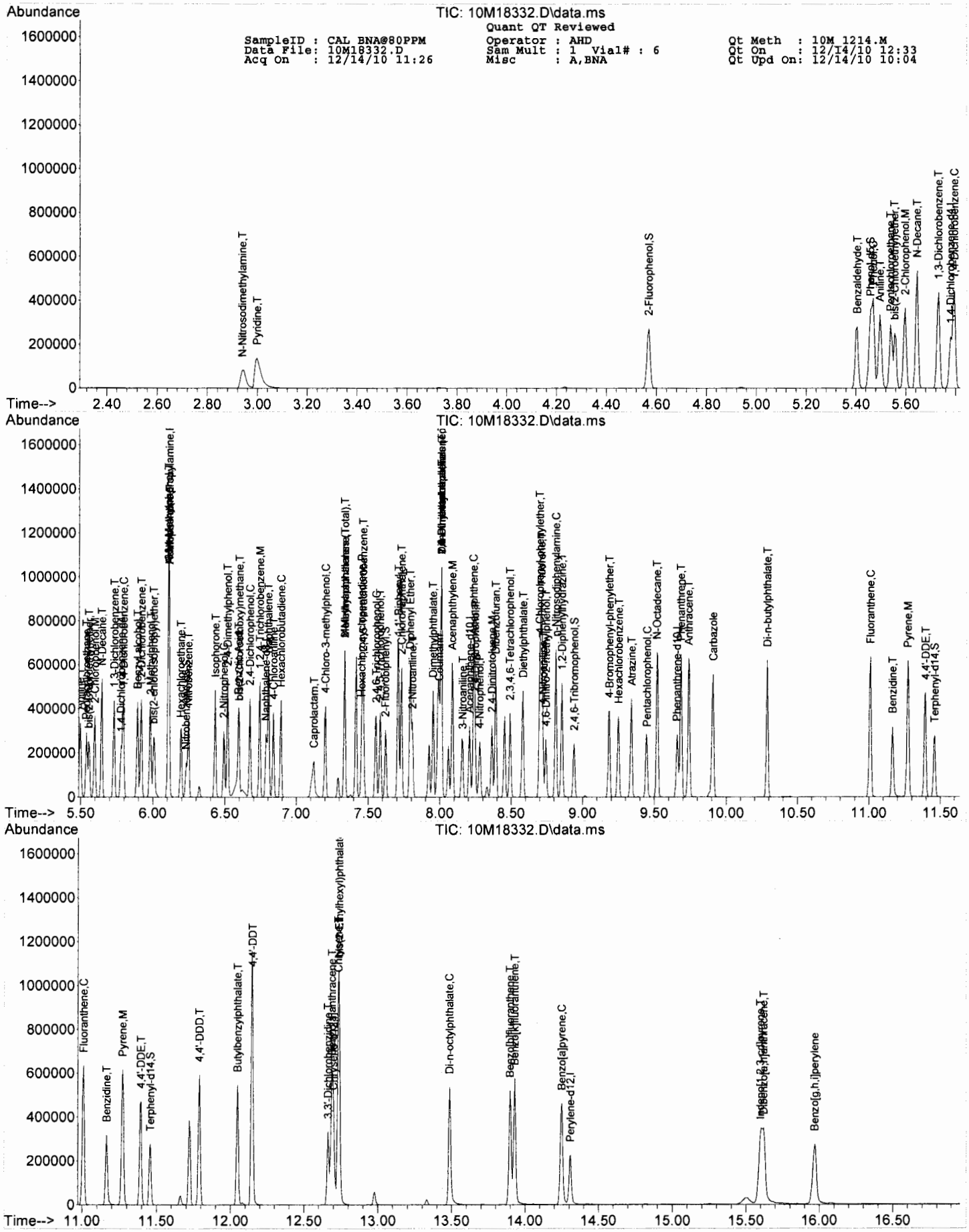
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18332.D Sam Mult : 1 Vial# : 6 Qt On : 12/14/10 12:33
Acq On : 12/14/10 11:26 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.363	165	51470	80.70	ng	70
67)	4-Nitrophenol	8.277	65	39472	81.03	ng	94
68)	2,3,4,6-Tetrachlorophenol	8.491	232	38099	79.33	ng	89
69)	Fluorene	8.711	166	176085	79.45	ng	98
70)	4-Chlorophenyl-phenyle...	8.700	204	79896	80.12	ng	90
71)	Diethylphthalate	8.582	149	164138	78.06	ng	97
72)	4-Nitroaniline	8.721	138	44239	80.70	ng	88
73)	Atrazine	9.342	200	48627	79.59	ng	99
75)	4,6-Dinitro-2-methylph...	8.743	198	31210	83.86	ng	55
76)	n-Nitrosodiphenylamine	8.812	169	147814	81.30	ng	100
78)	1,2-Diphenylhydrazine	8.855	77	178588	79.88	ng	88
79)	4-Bromophenyl-phenylether	9.187	248	40913	81.74	ng	89
80)	Hexachlorobenzene	9.251	284	42547	80.32	ng	71
81)	N-Octadecane	9.518	57	111862	82.50	ng	83
82)	Pentachlorophenol	9.449	266	29647	85.50	ng	97
83)	Phenanthrene	9.684	178	240533	79.00	ng	98
84)	Anthracene	9.738	178	251992	81.09	ng	99
85)	Carbazole	9.909	167	233514	79.92	ng	96
86)	Di-n-butylphthalate	10.289	149	285095	81.80	ng	98
87)	Fluoranthene	11.011	202	261719	81.66	ng	88
89)	Pyrene	11.273	202	263692	81.17	ng	90
90)	Benzidine	11.166	184	123828	86.26	ng	84
92)	4,4'-DDE	11.396	246	54808	84.12	ng	95
93)	4,4'-DDD	11.791	235	98722	82.22	ng	88
94)	Butylbenzylphthalate	12.048	149	126254	83.44	ng	73
95)	4,4'-DDT	12.150	235	86900	86.05	ng	95
96)	3,3'-Dichlorobenzidine	12.663	252	67278	95.83	ng	96
97)	Benzo[a]anthracene	12.690	228	231801	80.54	ng	100
98)	Chrysene	12.733	228	222164	78.23	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.738	149	179739	82.06	ng	95
101)	Di-n-octylphthalate	13.487	149	292618	75.69	ng	100
102)	Benzo[b]fluoranthene	13.899	252	213366	82.69	ng	96
103)	Benzo[k]fluoranthene	13.931	252	222506	80.78	ng	95
104)	Benzo[a]pyrene	14.252	252	213242	83.58	ng	93
105)	Indeno[1,2,3-cd]pyrene	15.600	276	227118	84.14	ng	85
106)	Dibenzo[a,h]anthracene	15.621	278	182793	85.21	ng	92
107)	Benzo[g,h,i]perylene	15.969	276	182773	82.37	ng	88

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


Abundance
TIC: 10M18332.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M18332.D
Acq On : 12/14/10 11:26
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:33
Qt Upd On: 12/14/10 10:04
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M18332.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
Time-->

Abundance
TIC: 10M18332.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18331.D Sam Mult : 1 Vial# : 5 Qt On : 12/14/10 12:31
Acq On : 12/14/10 11:03 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.780	152	30626	40.00	ng	0.00
29) Naphthalene-d8	6.790	136	109701	40.00	ng	0.00
47) Acenaphthene-d10	8.208	164	65156	40.00	ng	0.00
74) Phenanthrene-d10	9.663	188	117934	40.00	ng	0.00
88) Chrysene-d12	12.706	240	111673	40.00	ng	0.00
100) Perylene-d12	14.311	264	99520	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.571	112	111020	121.04	ng	0.00
Spiked Amount 100.000			Recovery = 121.04%			
15) Phenol-d5	5.459	99	149975	121.58	ng	0.00
Spiked Amount 100.000			Recovery = 121.58%			
30) Nitrobenzene-d5	6.234	128	27849	61.39	ng	0.00
Spiked Amount 50.000			Recovery = 122.78%			
52) 2-Fluorobiphenyl	7.625	172	134826	62.54	ng	0.00
Spiked Amount 50.000			Recovery = 125.08%			
77) 2,4,6-Tribromophenol	8.941	330	33053	131.94	ng	0.00
Spiked Amount 100.000			Recovery = 131.94%			
91) Terphenyl-d14	11.460	244	140628	61.29	ng	0.00
Spiked Amount 50.000			Recovery = 122.58%			
Target Compounds						Qvalue
8) Pyridine	2.998	79	131787	126.41	ng	78
9) N-Nitrosodimethylamine	2.945	74	77397	126.31	ng	84
11) Benzaldehyde	5.405	77	60606	75.93	ng	88
12) Aniline	5.501	93	173371	122.33	ng	85
13) Pentachloroethane	5.539	117	39645	120.88	ng	74
14) bis(2-Chloroethyl)ether	5.560	93	113320	120.78	ng	84
16) Phenol	5.475	94	164798	123.17	ng	94
17) 2-Chlorophenol	5.598	128	121174	118.99	ng	86
18) N-Decane	5.646	57	137681	122.41	ng	87
19) 1,3-Dichlorobenzene	5.731	146	138126	119.79	ng	98
20) 1,4-Dichlorobenzene	5.796	146	141839	120.13	ng	97
21) 1,2-Dichlorobenzene	5.919	146	132751	118.72	ng	98
22) Benzyl alcohol	5.897	108	79729	121.87	ng	89
23) bis(2-chloroisopropyl)...	6.010	45	154301	119.79	ng	79
24) 2-Methylphenol	5.983	108	110779	121.88	ng	99
25) Acetophenone	6.111	105	176169	120.54	ng	88
26) Hexachloroethane	6.197	117	53251	122.03	ng	71
27) N-Nitroso-di-n-propyla...	6.111	70	99383	125.91	ng	84
28) 3&4-Methylphenol	6.111	108	124170	126.98	ng	97
31) Nitrobenzene	6.250	77	135540	120.61	ng	83
32) Isophorone	6.437	82	245554	124.62	ng	89
33) 2-Nitrophenol	6.496	139	68013	127.18	ng	91
34) 2,4-Dimethylphenol	6.523	107	127726	123.50	ng	98
35) Benzoic Acid	6.609	105	98232m	124.23	ng	
36) bis(2-Chloroethoxy)met...	6.598	93	137152	118.95	ng	99
37) 2,4-Dichlorophenol	6.678	162	107385	125.38	ng	87
38) 1,2,4-Trichlorobenzene	6.742	180	122772	120.77	ng	97
39) Naphthalene	6.806	128	375406	120.07	ng	97
40) 4-Chloroaniline	6.839	127	115924	134.08	ng	99
41) Hexachlorobutadiene	6.892	225	64488	127.81	ng	98
42) Caprolactam	7.138	113	42174	116.08	ng	74
43) 4-Chloro-3-methylphenol	7.202	107	114092	126.54	ng	88
44) 2-Methylnaphthalene	7.336	142	243997	119.57	ng	98
45) Methylnaphthalenes (To...	7.336	142	243997	119.57	ng	98
46) 1,1'-Biphenyl	7.710	154	331657	120.80	ng	93
48) 1,2,4,5-Tetrachloroben...	7.470	216	112614	124.16	ng	97
49) Hexachlorocyclopentadiene	7.459	237	76746	136.58	ng	99
50) 2,4,6-Trichlorophenol	7.555	196	80483	135.89	ng	100
51) 2,4,5-Trichlorophenol	7.587	196	75067	121.08	ng	99
53) 2-Chloronaphthalene	7.732	162	234084	122.68	ng	93
54) 1,4-Dimethylnaphthalene	8.010	156	194134	123.21	ng	91
55) Dimethylnaphthalenes (...	8.010	156	194134	123.21	ng	91
56) Diphenyl Ether	7.796	170	178255	122.70	ng	76
57) 2-Nitroaniline	7.812	65	98693	130.60	ng	67
58) Coumarin	7.999	146	94962	123.39	ng	57
59) Acenaphthylene	8.090	152	382409	123.05	ng	99
60) Dimethylphthalate	7.956	163	275064	124.20	ng	99
61) 2,6-Dinitrotoluene	8.010	165	63404	125.66	ng	75
62) Acenaphthene	8.240	153	249212	123.04	ng	96
63) 3-Nitroaniline	8.160	138	59013	135.01	ng	81
64) 2,4-Dinitrophenol	8.251	184	44635	125.15	ng	47
65) Dibenzofuran	8.395	168	340944	122.02	ng	86

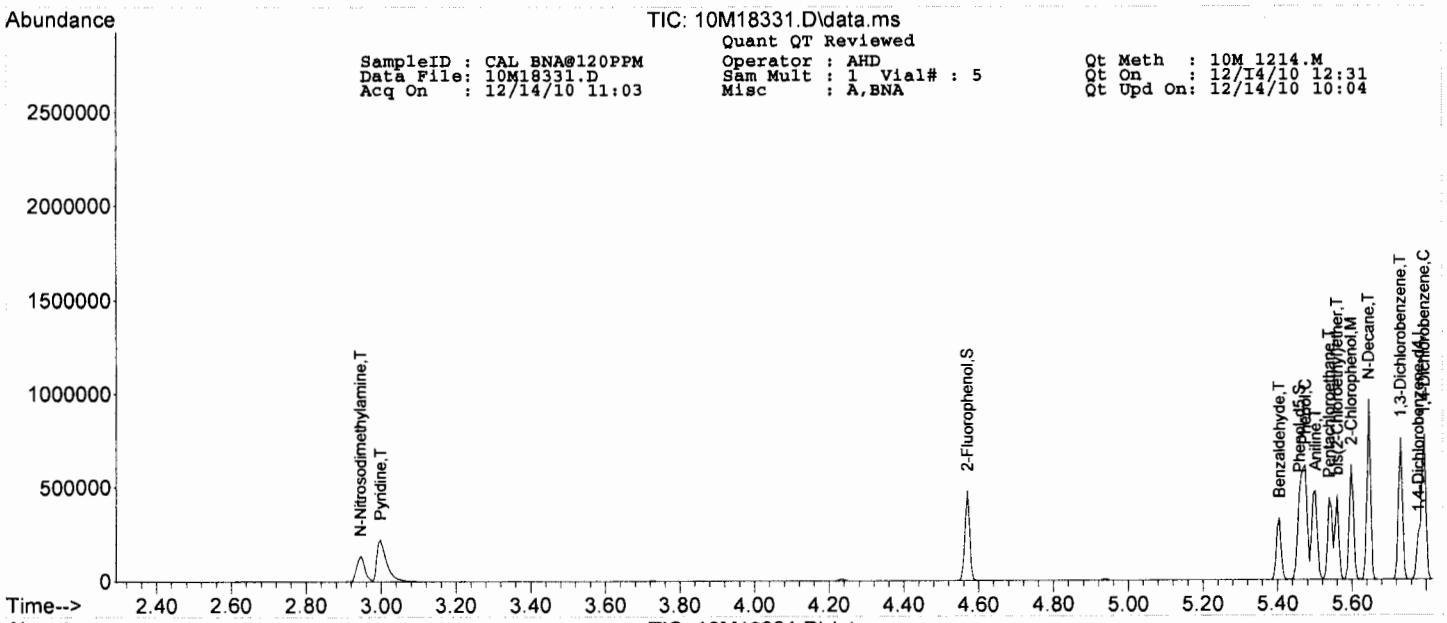
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18331.D Sam Mult : 1 Vial# : 5 Qt On : 12/14/10 12:31
Acq On : 12/14/10 11:03 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.368	165	85488	129.07	ng	71
67)	4-Nitrophenol	8.283	65	64267	127.04	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.497	232	62036	124.38	ng	90
69)	Fluorene	8.711	166	287904	125.09	ng	99
70)	4-Chlorophenyl-phenyle...	8.700	204	131665	127.14	ng	90
71)	Diethylphthalate	8.582	149	272588	124.83	ng	98
72)	4-Nitroaniline	8.727	138	71153	124.98	ng	88
73)	Atrazine	9.347	200	82209	129.57	ng	97
75)	4,6-Dinitro-2-methylph...	8.748	198	51912	127.35	ng	53
76)	n-Nitrosodiphenylamine	8.818	169	242626	121.83	ng	98
78)	1,2-Diphenylhydrazine	8.855	77	318251	129.95	ng	91
79)	4-Bromophenyl-phenylether	9.187	248	68567	125.06	ng	92
80)	Hexachlorobenzene	9.251	284	72640	125.19	ng	74
81)	N-Octadecane	9.524	57	183885	123.82	ng	79
82)	Pentachlorophenol	9.449	266	50351	132.57	ng	98
83)	Phenanthrene	9.689	178	404638	121.33	ng	98
84)	Anthracene	9.743	178	419853	123.35	ng	99
85)	Carbazole	9.909	167	388423	121.36	ng	97
86)	Di-n-butylphthalate	10.288	149	480327	125.81	ng	99
87)	Fluoranthene	11.011	202	432860	123.30	ng	92
89)	Pyrene	11.278	202	442901	124.69	ng	87
90)	Benzidine	11.166	184	160081	101.21	ng	88
92)	4,4'-DDE	11.396	246	90142	126.52	ng	95
93)	4,4'-DDD	11.791	235	169112	128.81	ng	90
94)	Butylbenzylphthalate	12.054	149	211219	127.67	ng	72
95)	4,4'-DDT	12.150	235	150684	136.46	ng	96
96)	3,3'-Dichlorobenzidine	12.669	252	102116	147.25	ng	97
97)	Benzo[a]anthracene	12.695	228	382950	121.69	ng	99
98)	Chrysene	12.738	228	383845	123.62	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.743	149	307906	128.56	ng	94
101)	Di-n-octylphthalate	13.492	149	501131	117.18	ng	100
102)	Benzo[b]fluoranthene	13.904	252	365020m	131.45	ng	
103)	Benzo[k]fluoranthene	13.936	252	355682m	119.98	ng	
104)	Benzo[a]pyrene	14.257	252	342713	124.82	ng	92
105)	Indeno[1,2,3-cd]pyrene	15.610	276	357886	123.20	ng	95
106)	Dibenzo[a,h]anthracene	15.632	278	291798	126.40	ng	90
107)	Benzo[g,h,i]perylene	15.979	276	295974	123.94	ng	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed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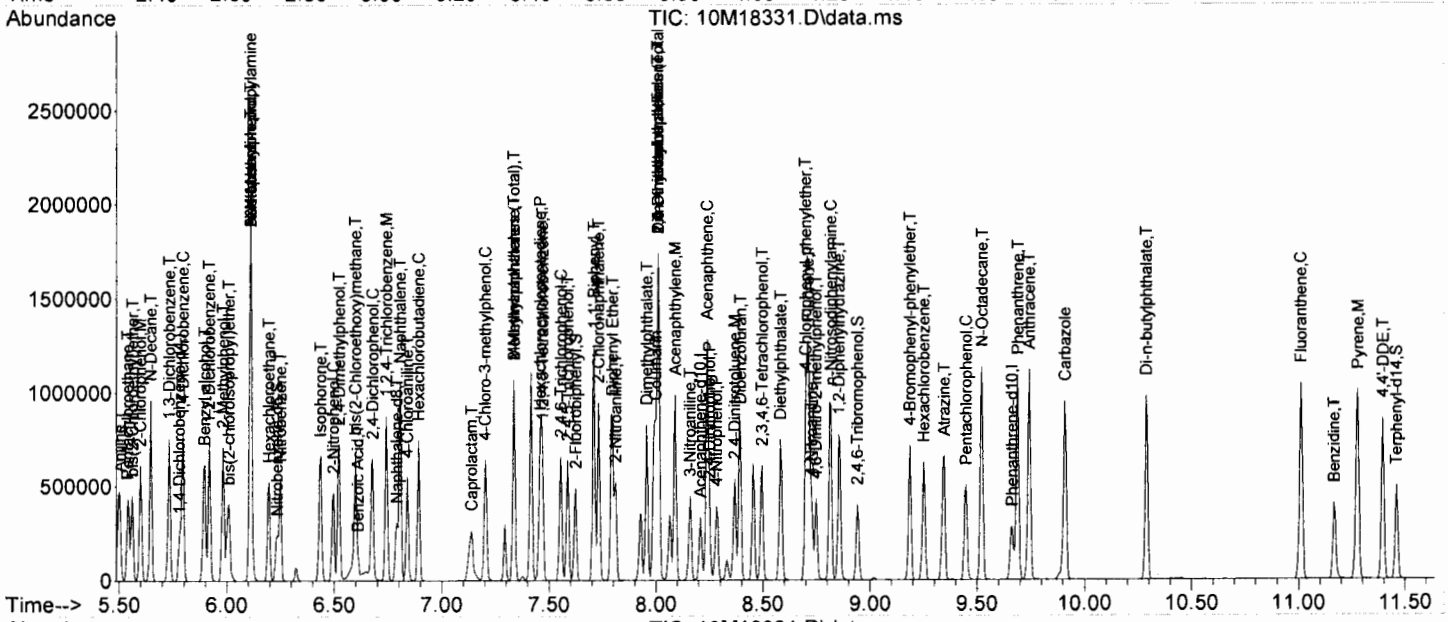
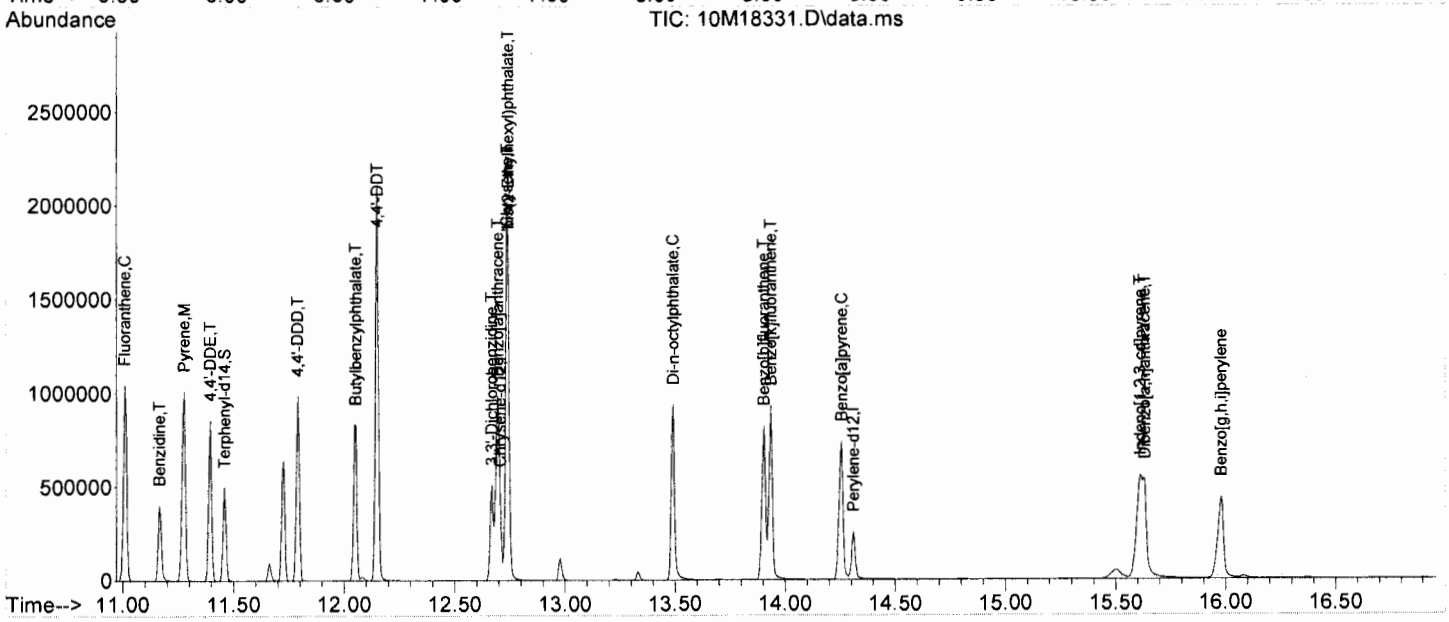
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M18331.D
Acq On : 12/14/10 11:03
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:31
Qt Upd On: 12/14/10 10:04
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M18331.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
2,4-Dichlorophenol,C
2,4,6-Trichlorophenol,M
Naphthalene,T
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M18331.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18330.D Sam Mult : 1 Vial# : 4 Qt On : 12/14/10 12:30
Acq On : 12/14/10 10:40 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.779	152	28020	40.00	ng	0.00
29) Naphthalene-d8	6.790	136	98698	40.00	ng	0.00
47) Acenaphthene-d10	8.208	164	61153	40.00	ng	0.00
74) Phenanthrene-d10	9.657	188	108507	40.00	ng	0.00
88) Chrysene-d12	12.706	240	103629	40.00	ng	0.00
100) Perylene-d12	14.310	264	91303	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.571	112	135385	161.34	ng	0.00
Spiked Amount 100.000			Recovery = 161.34%			
15) Phenol-d5	5.464	99	181133	160.50	ng	0.00
Spiked Amount 100.000			Recovery = 160.50%			
30) Nitrobenzene-d5	6.234	128	34329	84.11	ng	0.00
Spiked Amount 50.000			Recovery = 168.22%			
52) 2-Fluorobiphenyl	7.625	172	161680	79.90	ng	0.00
Spiked Amount 50.000			Recovery = 159.80%			
77) 2,4,6-Tribromophenol	8.946	330	39392	170.91	ng	0.00
Spiked Amount 100.000			Recovery = 170.91%			
91) Terphenyl-d14	11.460	244	168424	79.10	ng	0.00
Spiked Amount 50.000			Recovery = 158.20%			
Target Compounds						Qvalue
8) Pyridine	2.998	79	160385	168.15	ng	78
9) N-Nitrosodimethylamine	2.945	74	92916	165.75	ng	88
11) Benzaldehyde	5.405	77	52040	71.26	ng	87
12) Aniline	5.501	93	208847	161.07	ng	85
13) Pentachloroethane	5.539	117	48296	160.95	ng	72
14) bis(2-Chloroethyl)ether	5.560	93	136029	158.46	ng	86
16) Phenol	5.475	94	200426	163.73	ng	96
17) 2-Chlorophenol	5.598	128	145455	156.12	ng	87
18) N-Decane	5.646	57	166083	161.40	ng	85
19) 1,3-Dichlorobenzene	5.731	146	167708	158.98	ng	96
20) 1,4-Dichlorobenzene	5.795	146	171331	158.60	ng	98
21) 1,2-Dichlorobenzene	5.918	146	160655	157.04	ng	98
22) Benzyl alcohol	5.897	108	96066	160.49	ng	89
23) bis(2-chloroisopropyl)...	6.009	45	190741	161.86	ng	77
24) 2-Methylphenol	5.983	108	136796	164.50	ng	100
25) Acetophenone	6.111	105	217200	162.43	ng	91
26) Hexachloroethane	6.197	117	63946	160.16	ng	68
27) N-Nitroso-di-n-propyla...	6.116	70	120478	166.83	ng	80
28) 3&4-Methylphenol	6.111	108	154530	172.72	ng	94
31) Nitrobenzene	6.250	77	166670	164.85	ng	84
32) Isophorone	6.437	82	291273	164.30	ng	89
33) 2-Nitrophenol	6.496	139	83481	173.51	ng	93
34) 2,4-Dimethylphenol	6.523	107	154940	166.51	ng	97
35) Benzoic Acid	6.614	105	124087m	165.09	ng	
36) bis(2-Chloroethoxy)met...	6.598	93	169315	163.21	ng	98
37) 2,4-Dichlorophenol	6.678	162	132422	171.84	ng	88
38) 1,2,4-Trichlorobenzene	6.742	180	150525	164.57	ng	97
39) Naphthalene	6.806	128	455640	161.97	ng	98
40) 4-Chloroaniline	6.838	127	126344	162.43	ng	100
41) Hexachlorobutadiene	6.892	225	75629	166.60	ng	97
42) Caprolactam	7.143	113	50929	155.81	ng	74
43) 4-Chloro-3-methylphenol	7.202	107	137651	169.70	ng	87
44) 2-Methylnaphthalene	7.336	142	295857	161.14	ng	99
45) Methylnaphthalenes (To...	7.336	142	295857	161.14	ng	99
46) 1,1'-Biphenyl	7.710	154	401878	162.70	ng	93
48) 1,2,4,5-Tetrachloroben...	7.470	216	137500	161.52	ng	98
49) Hexachlorocyclopentadiene	7.459	237	93472	177.23	ng	99
50) 2,4,6-Trichlorophenol	7.555	196	94647	170.27	ng	100
51) 2,4,5-Trichlorophenol	7.587	196	92790	159.47	ng	97
53) 2-Chloronaphthalene	7.732	162	280343	156.54	ng	94
54) 1,4-Dimethylnaphthalene	8.010	156	235393	159.18	ng	90
55) Dimethylnaphthalenes (...	8.010	156	235393	159.18	ng	90
56) Diphenyl Ether	7.796	170	218489	160.24	ng	76
57) 2-Nitroaniline	7.812	65	119100	167.93	ng	72
58) Coumarin	7.999	146	115868	160.41	ng	58
59) Acenaphthylene	8.090	152	469296	160.89	ng	98
60) Dimethylphthalate	7.962	163	336162	161.73	ng	99
61) 2,6-Dinitrotoluene	8.015	165	78798	166.39	ng	64
62) Acenaphthene	8.240	153	303044	159.42	ng	96
63) 3-Nitroaniline	8.160	138	67890	165.49	ng	86
64) 2,4-Dinitrophenol	8.250	184	53101	158.63	ng	52
65) Dibenzofuran	8.395	168	413986	157.85	ng	85

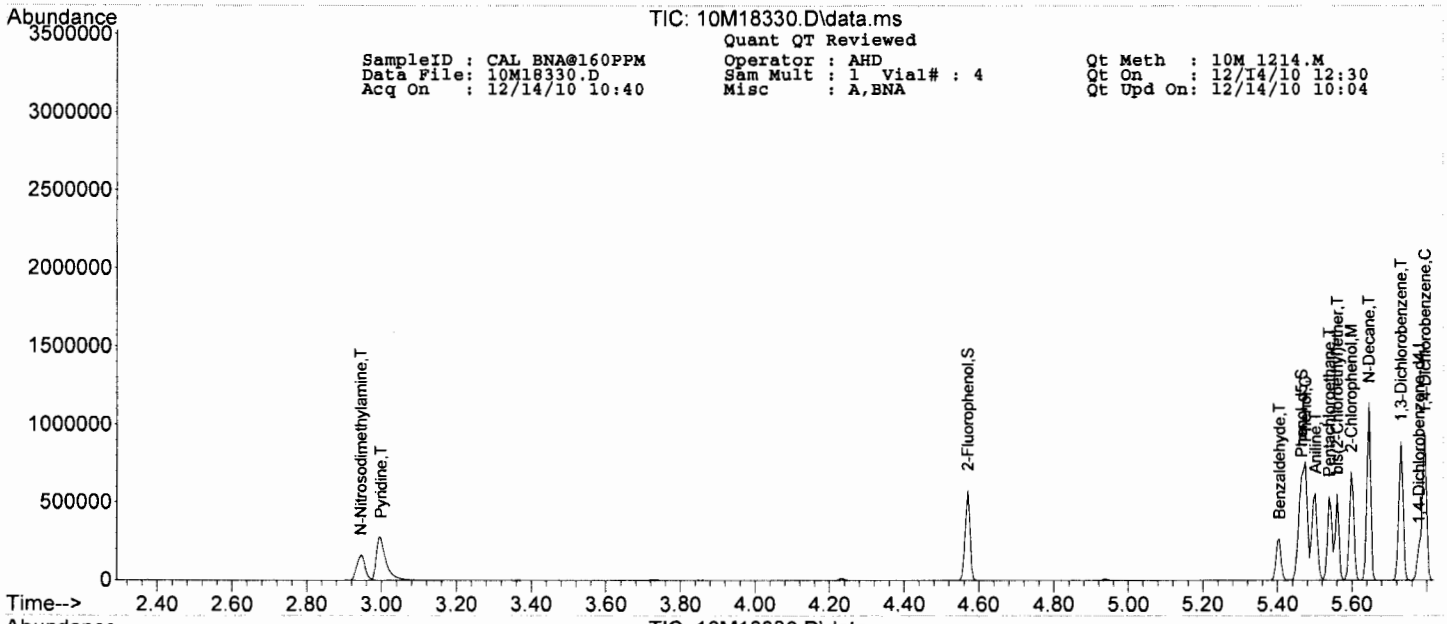
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18330.D Sam Mult : 1 Vial# : 4 Qt On : 12/14/10 12:30
Acq On : 12/14/10 10:40 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.368	165	105020	168.94	ng	73
67)	4-Nitrophenol	8.288	65	78523	165.38	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.496	232	73256	156.49	ng	89
69)	Fluorene	8.716	166	350596	162.30	ng	99
70)	4-Chlorophenyl-phenyle...	8.705	204	160156	164.78	ng	84
71)	Diethylphthalate	8.582	149	328536	160.29	ng	99
72)	4-Nitroaniline	8.732	138	84848	158.79	ng	88
73)	Atrazine	9.347	200	98271	165.03	ng	99
75)	4,6-Dinitro-2-methylph...	8.753	198	64521	172.03	ng	64
76)	n-Nitrosodiphenylamine	8.817	169	294873	160.92	ng	99
78)	1,2-Diphenylhydrazine	8.860	77	384442	170.62	ng	84
79)	4-Bromophenyl-phenylether	9.186	248	81474	161.51	ng	92
80)	Hexachlorobenzene	9.251	284	86155	161.38	ng	74
81)	N-Octadecane	9.523	57	224830	164.54	ng	80
82)	Pentachlorophenol	9.449	266	60433	172.93	ng	94
83)	Phenanthrene	9.689	178	484074	157.75	ng	98
84)	Anthracene	9.743	178	502890	160.58	ng	99
85)	Carbazole	9.909	167	464902	157.88	ng	96
86)	Di-n-butylphthalate	10.288	149	573673	163.32	ng	98
87)	Fluoranthene	11.016	202	522742	161.84	ng	89
89)	Pyrene	11.278	202	527111	159.91	ng	88
90)	Benzidine	11.165	184	152172	103.55	ng	88
92)	4,4'-DDE	11.395	246	107519	162.63	ng	95
93)	4,4'-DDD	11.791	235	201991	165.79	ng	90
94)	Butylbenzylphthalate	12.053	149	253177	164.91	ng	73
95)	4,4'-DDT	12.150	235	181309	176.93	ng	96
96)	3,3'-Dichlorobenzidine	12.668	252	110826	188.27	ng	97
97)	Benzo[a]anthracene	12.695	228	458185	156.90	ng	100
98)	Chrysene	12.738	228	463973	161.02	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.743	149	370603	166.75	ng	93
101)	Di-n-octylphthalate	13.492	149	612859	152.65	ng	99
102)	Benzo[b]fluoranthene	13.904	252	431418m	169.34	ng	
103)	Benzo[k]fluoranthene	13.936	252	436623m	160.54	ng	
104)	Benzo[a]pyrene	14.257	252	416341	165.28	ng	93
105)	Indeno[1,2,3-cd]pyrene	15.610	276	442726	166.12	ng	97
106)	Dibenzo[a,h]anthracene	15.632	278	358664	169.35	ng	91
107)	Benzo[g,h,i]perylene	15.985	276	363091	165.73	ng	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed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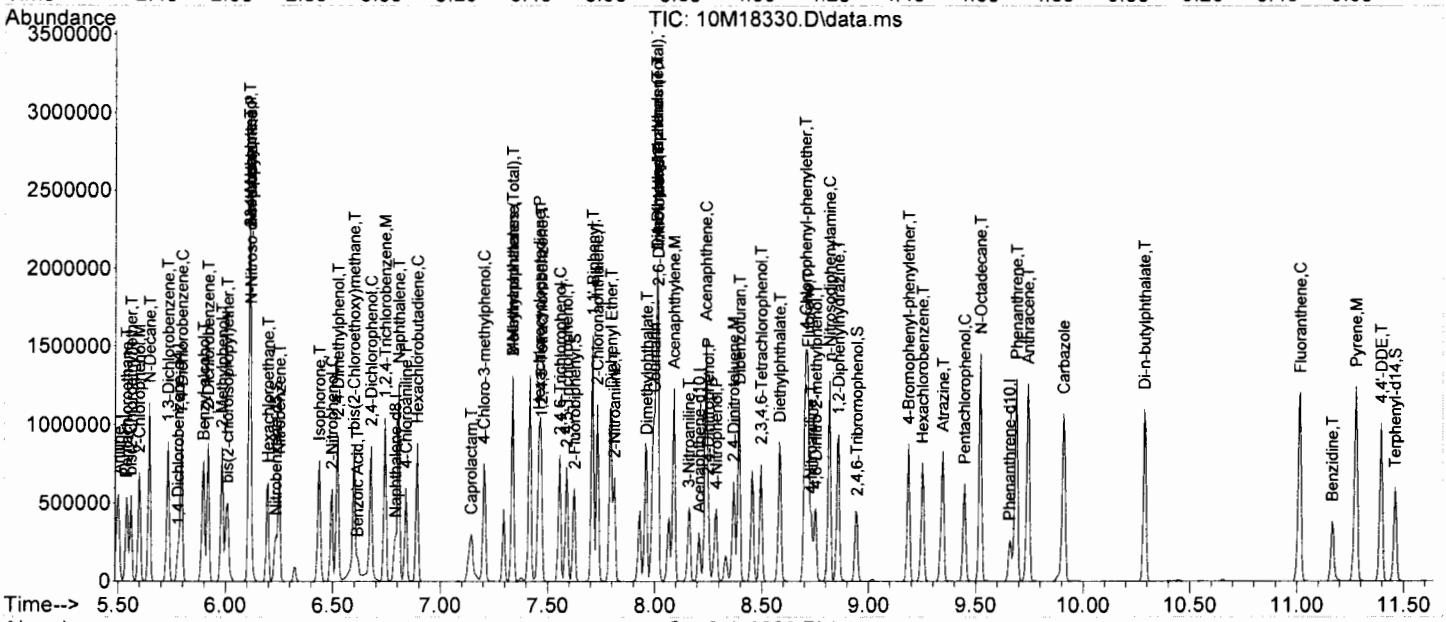
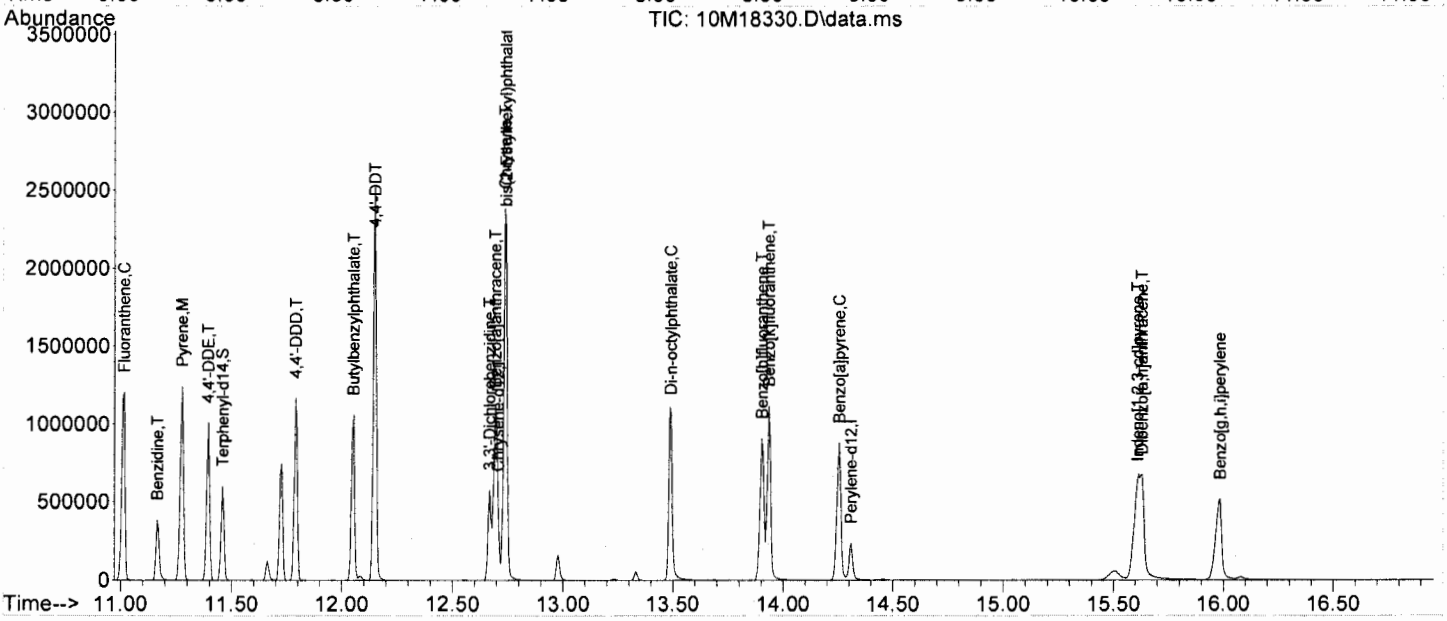
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M18330.D
Acq On : 12/14/10 10:40
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:30
Qt Upd On: 12/14/10 10:04
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C


TIC: 10M18330.D\data.ms
Abundance
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,P
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S


TIC: 10M18330.D\data.ms
Abundance
Time-->
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

Sample ID : CAL BNA@196PPM
Data File: 10M18329.D
Acq On : 12/14/10 10:17
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:19
Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.780	152	28679	40.00	ng	0.00
29) Naphthalene-d8	6.790	136	106025	40.00	ng	0.00
47) Acenaphthene-d10	8.208	164	63611	40.00	ng	0.00
74) Phenanthrene-d10	9.663	188	113107	40.00	ng	0.00
88) Chrysene-d12	12.706	240	109596	40.00	ng	0.00
100) Perylene-d12	14.311	264	95220	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.571	112	171733	199.95	ng	0.00
Spiked Amount 100.000			Recovery = 199.95%			
15) Phenol-d5	5.464	99	228175	197.54	ng	0.00
Spiked Amount 100.000			Recovery = 197.54%			
30) Nitrobenzene-d5	6.234	128	42984	98.04	ng	0.00
Spiked Amount 50.000			Recovery = 196.08%			
52) 2-Fluorobiphenyl	7.625	172	202976	96.43	ng	0.00
Spiked Amount 50.000			Recovery = 192.86%			
77) 2,4,6-Tribromophenol	8.946	330	51338	213.68	ng	0.00
Spiked Amount 100.000			Recovery = 213.68%			
91) Terphenyl-d14	11.460	244	216610	96.19	ng	0.00
Spiked Amount 50.000			Recovery = 192.38%			
Target Compounds						Qvalue
8) Pyridine	2.998	79	203188	208.13	ng	78
9) N-Nitrosodimethylamine	2.950	74	115743	201.72	ng	87
11) Benzaldehyde	5.405	77	52344	70.03	ng	87
12) Aniline	5.501	93	258953	195.12	ng	86
13) Pentachloroethane	5.544	117	60410	196.69	ng	71
14) bis(2-Chloroethyl)ether	5.560	93	166917	189.98	ng	86
16) Phenol	5.480	94	251282	200.56	ng	96
17) 2-Chlorophenol	5.603	128	185584	194.61	ng	84
18) N-Decane	5.646	57	207157	196.69	ng	87
19) 1,3-Dichlorobenzene	5.731	146	210500	194.95	ng	97
20) 1,4-Dichlorobenzene	5.796	146	213614	193.20	ng	98
21) 1,2-Dichlorobenzene	5.919	146	200787	191.76	ng	98
22) Benzyl alcohol	5.897	108	122943	200.68	ng	89
23) bis(2-chloroisopropyl)...	6.010	45	233463	193.56	ng	77
24) 2-Methylphenol	5.988	108	169674	199.35	ng	99
25) Acetophenone	6.117	105	279021	203.87	ng	85
26) Hexachloroethane	6.197	117	80941	198.07	ng	75
27) N-Nitroso-di-n-propyla...	6.117	70	150823	204.05	ng	82
28) 3&4-Methylphenol	6.117	108	197315	215.47	ng	99
31) Nitrobenzene	6.250	77	206422	190.06	ng	88
32) Isophorone	6.437	82	364812	191.56	ng	91
33) 2-Nitrophenol	6.496	139	105051	203.26	ng	89
34) 2,4-Dimethylphenol	6.523	107	195256	195.33	ng	99
35) Benzoic Acid	6.625	105	155951m	187.62	ng	
36) bis(2-Chloroethoxy)met...	6.598	93	214738	192.69	ng	99
37) 2,4-Dichlorophenol	6.678	162	164137	198.28	ng	89
38) 1,2,4-Trichlorobenzene	6.742	180	191569	194.97	ng	99
39) Naphthalene	6.807	128	576827	190.88	ng	98
40) 4-Chloroaniline	6.839	127	134726	161.23	ng	99
41) Hexachlorobutadiene	6.892	225	95985	196.83	ng	97
42) Caprolactam	7.154	113	69557	198.09	ng	73
43) 4-Chloro-3-methylphenol	7.208	107	172124	197.53	ng	85
44) 2-Methylnaphthalene	7.336	142	379274	192.30	ng	98
45) Methylnaphthalenes (To...	7.336	142	379274	192.30	ng	98
46) 1,1'-Biphenyl	7.710	154	513371	193.47	ng	93
48) 1,2,4,5-Tetrachloroben...	7.470	216	174191	196.71	ng	97
49) Hexachlorocyclopentadiene	7.459	237	120581	219.80	ng	99
50) 2,4,6-Trichlorophenol	7.555	196	119815	207.22	ng	100
51) 2,4,5-Trichlorophenol	7.593	196	119568	197.55	ng	98
53) 2-Chloronaphthalene	7.737	162	355501	190.83	ng	92
54) 1,4-Dimethylnaphthalene	8.015	156	303363	197.22	ng	91
55) Dimethylnaphthalenes (...	8.015	156	303363	197.22	ng	91
56) Diphenyl Ether	7.796	170	274567	193.59	ng	78
57) 2-Nitroaniline	7.812	65	146957	199.20	ng	75
58) Coumarin	8.005	146	148557	197.72	ng	60
59) Acenaphthylene	8.090	152	593090	195.48	ng	98
60) Dimethylphthalate	7.962	163	422036	195.19	ng	99
61) 2,6-Dinitrotoluene	8.015	165	100492	204.00	ng	71
62) Acenaphthene	8.240	153	385708	195.06	ng	96
63) 3-Nitroaniline	8.165	138	83316	195.25	ng	81
64) 2,4-Dinitrophenol	8.256	184	68410	196.47	ng	44
65) Dibenzofuran	8.395	168	521344	191.11	ng	86

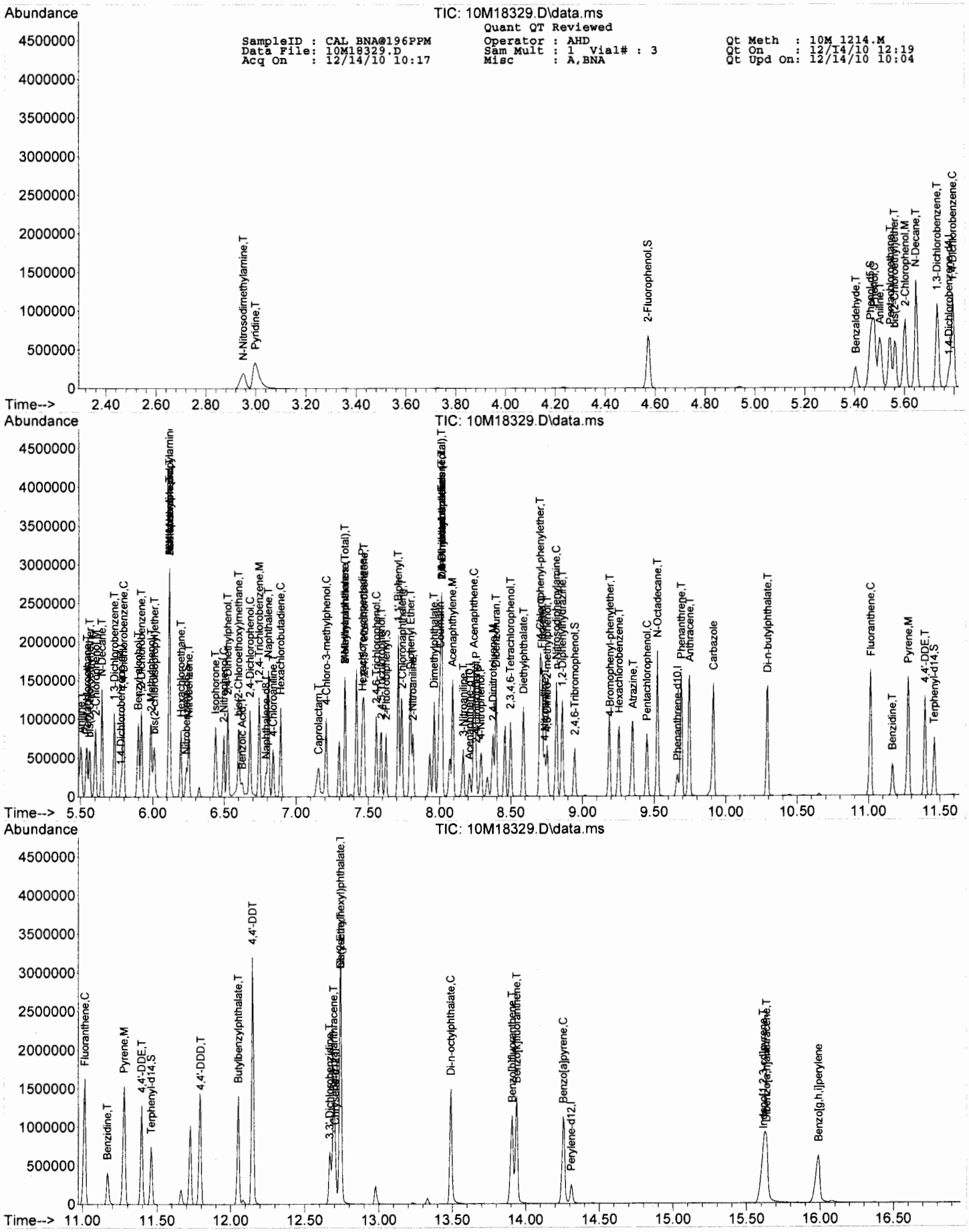
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18329.D Sam Mult : 1 Vial# : 3 Qt On : 12/14/10 12:19
Acq On : 12/14/10 10:17 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.374	165	132032	204.18 ng	71
67) 4-Nitrophenol	8.288	65	96442	195.27 ng	93
68) 2,3,4,6-Tetrachlorophenol	8.497	232	95640	196.42 ng	88
69) Fluorene	8.716	166	446924	198.89 ng	99
70) 4-Chlorophenyl-phenyle...	8.705	204	206288	204.04 ng	87
71) Diethylphthalate	8.588	149	418222	196.17 ng	96
72) 4-Nitroaniline	8.737	138	109306	196.66 ng	86
73) Atrazine	9.352	200	125684	202.91 ng	99
75) 4,6-Dinitro-2-methylph...	8.753	198	81182	207.65 ng	52
76) n-Nitrosodiphenylamine	8.818	169	370004	193.71 ng	98
78) 1,2-Diphenylhydrazine	8.860	77	487518	207.57 ng	87
79) 4-Bromophenyl-phenylether	9.192	248	107260	203.98 ng	86
80) Hexachlorobenzene	9.256	284	109607	196.96 ng	71
81) N-Octadecane	9.524	57	288133	202.29 ng	82
82) Pentachlorophenol	9.449	266	79813	219.10 ng	97
83) Phenanthrene	9.689	178	621395	194.27 ng	99
84) Anthracene	9.748	178	648039	198.52 ng	100
85) Carbazole	9.914	167	603044	196.46 ng	97
86) Di-n-butylphthalate	10.294	149	736648	201.18 ng	97
87) Fluoranthene	11.016	202	683738	203.07 ng	91
89) Pyrene	11.278	202	684895	196.47 ng	89
90) Benzidine	11.166	184	167529	107.57 ng	87
92) 4,4'-DDE	11.396	246	140884	201.49 ng	94
93) 4,4'-DDD	11.797	235	262389	203.64 ng	89
94) Butylbenzylphthalate	12.054	149	332793	204.96 ng	74
95) 4,4'-DDT	12.150	235	239986	221.44 ng	97
96) 3,3'-Dichlorobenzidine	12.669	252	134030	251.29 ng	97
97) Benzo[a]anthracene	12.695	228	603435	195.39 ng	100
98) Chrysene	12.743	228	604583	198.39 ng	98
99) bis(2-Ethylhexyl)phtha...	12.743	149	495003	210.60 ng	93
101) Di-n-octylphthalate	13.492	149	789647	184.80 ng	99
102) Benzo[b]fluoranthene	13.910	252	582756	219.33 ng	94
103) Benzo[k]fluoranthene	13.942	252	524759m	185.01 ng	
104) Benzo[a]pyrene	14.257	252	533741	203.17 ng	94
105) Indeno[1,2,3-cd]pyrene	15.616	276	566229	203.72 ng	96
106) Dibenzo[a,h]anthracene	15.637	278	466187	211.06 ng	92
107) Benzo[g,h,i]perylene	15.990	276	462586	202.45 ng	88

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


TIC: 10M18329.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M18329.D
Acq On : 12/14/10 10:17
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 12:19
Qt Upd On: 12/14/10 10:04
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Acenaphthylene,M
Dimethylphthalate,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Carbazole
Phenanthrene,T
Anthracene,T
Pentachlorophenol,C
N-Octadecane,T
Atrazine,T
Hexachlorobenzene,T
4-Bromophenyl-phenylether,T
2,4,6-Tribromophenol,S
Butylbenzylphthalate,T
4,4'-DDT
4,4'-DDD,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,T
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18335.D Sam Mult : 1 Vial# : 9 Qt On : 12/14/10 13:01
Acq On : 12/14/10 12:37 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.779	152	29480	40.00 ng	0.00
29) Naphthalene-d8	6.785	136	104704	40.00 ng	0.00
47) Acenaphthene-d10	8.202	164	64447	40.00 ng	0.00
74) Phenanthrene-d10	9.657	188	116220	40.00 ng	0.00
88) Chrysene-d12	12.695	240	108770	40.00 ng	0.00
100) Perylene-d12	14.305	264	101178	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	4.571	112	416m	0.47 ng	0.00
Spiked Amount 100.000			Recovery = 0.47%		
15) Phenol-d5	5.453	99	601	0.51 ng	0.00
Spiked Amount 100.000			Recovery = 0.51%		
30) Nitrobenzene-d5	0.000	128	0	0.00 ng	
Spiked Amount 50.000			Recovery = 0.00%		
52) 2-Fluorobiphenyl	7.619	172	653	0.31 ng	0.00
Spiked Amount 50.000			Recovery = 0.62%		
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery = 0.00%		
91) Terphenyl-d14	11.454	244	491	0.22 ng	0.00
Spiked Amount 50.000			Recovery = 0.44%		
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D.	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D.	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.977	108	340m	0.39 ng	
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D.	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	6.100	108	386m	0.41 ng	
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.518	107	472	0.48 ng	91
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.801	128	1703	0.57 ng	87
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D. d	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.390	168	1352	0.49 ng	98

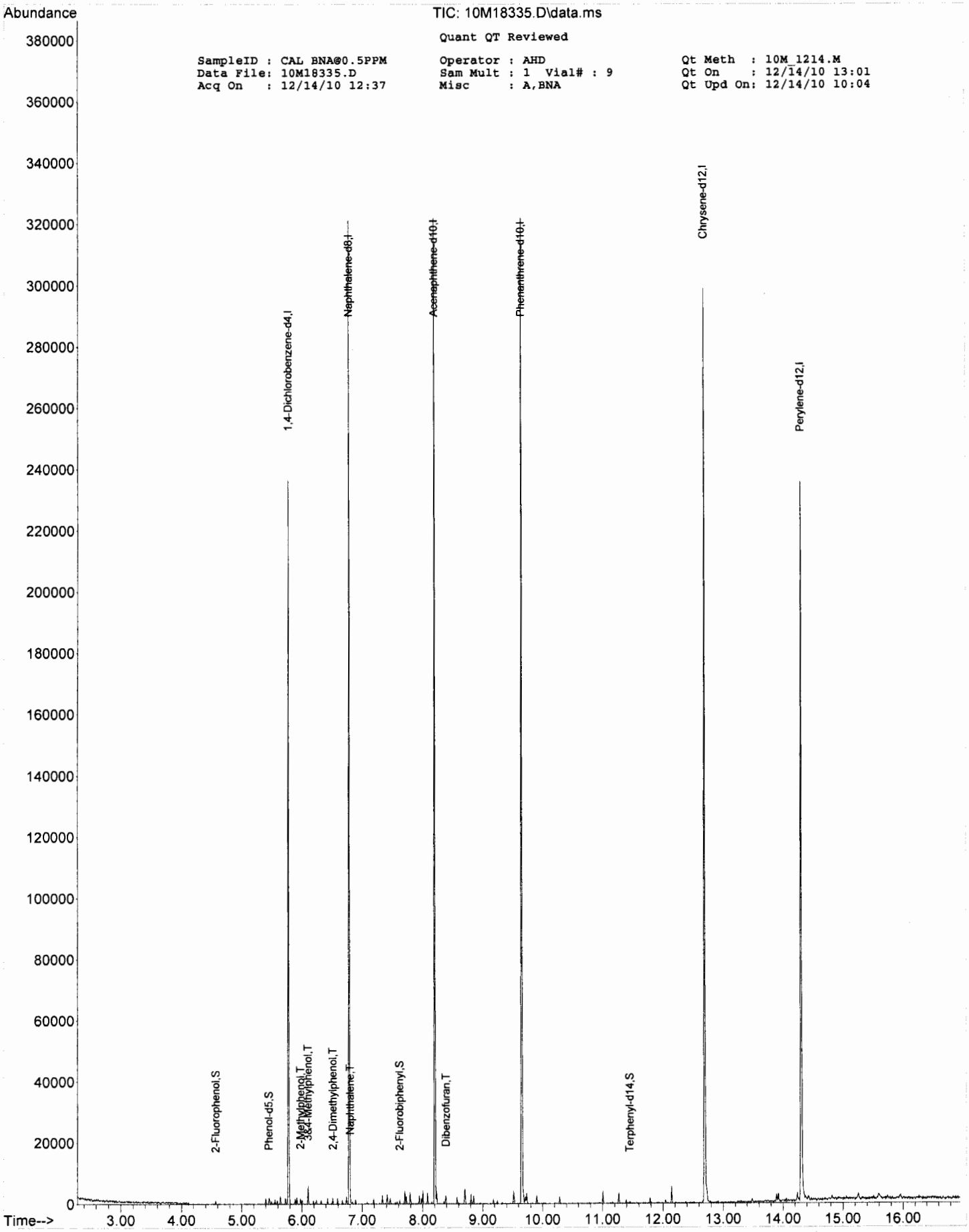
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18335.D Sam Mult : 1 Vial# : 9 Qt On : 12/14/10 13:01
Acq On : 12/14/10 12:37 Misc : A,BNA Qt Upd On: 12/14/10 10:04

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
67)	4-Nitrophenol	0.000		0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
69)	Fluorene	0.000		0	N.D.	d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71)	Diethylphthalate	0.000		0	N.D.	d	
72)	4-Nitroaniline	0.000		0	N.D.	d	
73)	Atrazine	0.000		0	N.D.	d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80)	Hexachlorobenzene	0.000		0	N.D.	d	
81)	N-Octadecane	0.000		0	N.D.	d	
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	0.000		0	N.D.	d	
84)	Anthracene	0.000		0	N.D.	d	
85)	Carbazole	0.000		0	N.D.	d	
86)	Di-n-butylphthalate	0.000		0	N.D.	d	
87)	Fluoranthene	0.000		0	N.D.	d	
89)	Pyrene	0.000		0	N.D.	d	
90)	Benzidine	0.000		0	N.D.	d	
92)	4,4'-DDE	0.000		0	N.D.	d	
93)	4,4'-DDD	0.000		0	N.D.	d	
94)	Butylbenzylphthalate	0.000		0	N.D.	d	
95)	4,4'-DDT	0.000		0	N.D.	d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97)	Benzo[a]anthracene	0.000		0	N.D.	d	
98)	Chrysene	0.000		0	N.D.	d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101)	Di-n-octylphthalate	0.000		0	N.D.	d	
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
104)	Benzo[a]pyrene	0.000		0	N.D.	d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 10M18335.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 10M18335.D
Acq On : 12/14/10 12:37
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/10 13:01
Qt Upd On: 12/14/10 10:04
380000
360000
340000
320000
300000
280000
260000
240000
220000
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
2-Fluorobiphenyl,S
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Dibenzofuran,T
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0643

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M63646.	CAL BNA@50PPM	12/23/10 12:55	2	5M63645.	CAL BNA@2PPM	12/23/10 12:31
3	5M63643.	CAL BNA@10PPM	12/23/10 11:45	4	5M63642.	CAL BNA@20PPM	12/23/10 11:21
5	5M63640.	CAL BNA@80PPM	12/23/10 10:34	6	5M63639.	CAL BNA@120PPM	12/23/10 10:10
7	5M63638.	CAL BNA@160PPM	12/23/10 09:47	8	5M63637.	CAL BNA@196PPM	12/23/10 09:23
9	5M63647.	CAL BNA@0.5PPM	12/23/10 13:52				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	LinF	1.8685	1.5094	1.8553	1.8168	1.7765	1.8588	1.8362	1.8307	-----	1.79	2.97	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0669	0.9972	1.0645	1.0408	1.0252	1.0662	1.0796	1.0728	-----	1.05	2.90	1.00	1.00	2.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3954	1.2895	1.3738	1.3602	1.3249	1.4039	1.3755	1.3587	-----	1.36	4.55	0.999	1.00	2.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.9181	1.1909	1.3054	1.2656	0.7763	0.5477	0.4242	-----	-----	0.918	5.39	0.864	0.992	38		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	2.3666	1.4391	1.9746	2.2595	2.1456	2.2240	2.1099	2.0917	-----	2.08	5.48	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4982	0.4159	0.5248	0.4961	0.4694	0.4905	0.4834	0.4670	-----	0.481	5.52	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.6041	1.6483	1.6769	1.5949	1.4702	1.5422	1.4805	1.4479	-----	1.56	5.54	0.999	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.0514	1.7449	2.0460	2.0247	1.9361	1.9942	1.9585	1.9454	1.7674	1.94	5.44	1.00	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Phenol	1	0	Avg	2.0768	1.9131	2.0966	2.0329	2.0420	1.9858	2.0705	2.0237	-----	2.03	5.46	1.00	1.00	2.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4597	1.2583	1.4480	1.4942	1.3827	1.4334	1.4164	1.3811	-----	1.41	5.58	0.999	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.3410	2.2236	2.3864	2.3383	2.1592	2.1999	2.0670	1.9812	-----	2.21	5.64	0.996	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5344	1.6148	1.6330	1.5216	1.4215	1.4393	1.4137	1.3669	-----	1.49	5.72	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5368	1.5660	1.6228	1.5695	1.4352	1.4931	1.4277	1.4081	-----	1.51	5.78	0.999	1.00	5.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4597	1.5554	1.5312	1.4869	1.3662	1.3964	1.3670	1.3176	-----	1.44	5.90	0.999	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0278	0.8544	1.0285	1.0445	0.9977	1.0507	1.0165	0.9973	-----	1.00	5.88	0.999	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)et	1	0	Avg	2.8728	2.8988	3.0007	2.9249	2.6754	2.7889	2.6834	2.6679	-----	2.81	5.99	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4440	1.2864	1.5239	1.4537	1.3500	1.4259	1.3724	1.3948	1.2633	1.39	5.97	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.1400	2.1283	2.2620	2.2034	1.8848	1.8813	1.7111	1.5916	-----	1.98	6.10	0.989	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6382	0.6142	0.6401	0.6327	0.5984	0.6154	0.5971	0.5903	-----	0.616	6.18	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propylar	1	0	Avg	1.2041	1.0830	1.2581	1.2291	1.1194	1.1094	1.0222	0.9827	-----	1.13	6.10	0.994	1.00	8.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.5094	1.2918	1.5747	1.5063	1.3553	1.3391	1.2078	1.1252	1.4225	1.37	6.09	0.988	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1670	0.1416	0.1686	0.1691	0.1668	0.1777	0.1753	0.1742	-----	0.168	6.21	0.999	1.00	6.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4463	0.4005	0.4559	0.4550	0.4203	0.4374	0.4338	0.4262	-----	0.434	6.23	1.00	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8238	0.6772	0.8319	0.8205	0.7780	0.7927	0.7818	0.7924	-----	0.787	6.42	1.00	1.00	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	LinF	0.1786	0.1043	0.1657	0.1771	0.1759	0.1901	0.1853	0.1880	-----	0.171	6.48	0.999	1.00	16	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3854	0.3430	0.3813	0.3858	0.3599	0.3781	0.3633	0.3679	0.3329	0.366	6.51	0.999	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2039	-----	0.0985	0.1603	0.2854	0.3064	0.3072	0.3181	-----	0.240	6.57	0.994	0.996	36		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4861	0.4548	0.5116	0.5006	0.4661	0.4641	0.4490	0.4466	-----	0.472	6.58	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2573	0.1898	0.2637	0.2623	0.2558	0.2643	0.2535	0.2555	-----	0.250	6.66	1.00	1.00	9.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2874	0.3155	0.3020	0.3016	0.2741	0.2859	0.2693	0.2665	-----	0.288	6.73	0.999	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0746	1.1231	1.1493	1.1044	1.0218	1.0358	1.0119	0.9995	1.2355	1.08	6.80	0.999	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Avg	0.4022	0.2582	0.3456	0.3955	0.3735	0.3476	0.2970	-----	-----	0.346	6.83	0.978	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Hexachlorobutadiene	1	0	Avg	0.1187	0.1255	0.1243	0.1240	0.1143	0.1129	0.1112	0.1109	-----	0.118	6.89	1.00	1.00	5.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1306	0.0850	0.1237	0.1325	0.1316	0.1390	0.1337	0.1332	-----	0.126	7.09	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3189	0.2372	0.3203	0.3253	0.3157	0.3260	0.3140	0.3196	-----	0.310	7.19	1.00	1.00	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6533	0.6341	0.6776	0.6750	0.6170	0.6330	0.6088	0.6086	-----	0.638	7.33	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6533	0.6341	0.6776	0.6750	0.6170	0.6330	0.6088	0.6086	-----	0.638	7.33	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.8564	0.8809	0.9079	0.8986	0.8157	0.8174	0.7731	0.7588	-----	0.839	7.70	0.998	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5069	0.5448	0.5337	0.5132	0.4783	0.4805	0.4448	0.4314	-----	0.492	7.46	0.996	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.2129	0.1639	0.2032	0.2110	0.2222	0.2381	0.2260	0.2264	-----	0.213	7.45	0.999	0.999	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3222	0.2048	0.3032	0.3296	0.3120	0.3327	0.3201	0.3199	-----	0.306	7.55	1.00	1.00	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.49

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0644

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M63646.	CAL BNA@50PPM	12/23/10 12:55	2	5M63645.	CAL BNA@2PPM	12/23/10 12:31
3	5M63643.	CAL BNA@10PPM	12/23/10 11:45	4	5M63642.	CAL BNA@20PPM	12/23/10 11:21
5	5M63640.	CAL BNA@80PPM	12/23/10 10:34	6	5M63639.	CAL BNA@120PPM	12/23/10 10:10
7	5M63638.	CAL BNA@160PPM	12/23/10 09:47	8	5M63637.	CAL BNA@196PPM	12/23/10 09:23
9	5M63647.	CAL BNA@0.5PPM	12/23/10 13:52				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3295	0.2475	0.3388	0.3226	0.3359	0.3633	0.3340	0.3511	-----	0.328	7.58	0.998	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3089	1.3119	1.3751	1.3208	1.2320	1.2869	1.2603	1.2780	-----	1.30	7.62	1.00	1.00	3.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1579	1.2018	1.2423	1.2072	1.1138	1.1545	1.0744	1.0840	-----	1.15	7.73	0.999	0.999	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.9821	1.0479	1.0129	1.0362	0.9090	0.9054	0.8411	0.8106	-----	0.943	8.01	0.995	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9821	1.0479	1.0129	1.0362	0.9090	0.9054	0.8411	0.8106	-----	0.943	8.01	0.995	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8423	0.8848	0.8985	0.8937	0.8075	0.8226	0.7811	0.7808	-----	0.839	7.79	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5834	0.4070	0.5724	0.5897	0.5749	0.5941	0.5579	0.5597	-----	0.555	7.80	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5105	0.5066	0.5405	0.5433	0.4947	0.5190	0.4776	0.4641	-----	0.507	7.98	0.996	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9524	1.8556	1.9553	1.9925	1.8716	1.9622	1.8385	1.8496	-----	1.91	8.08	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.2699	1.2485	1.3420	1.3120	1.2295	1.2774	1.1832	1.1972	-----	1.26	7.95	0.998	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2830	0.1915	0.2918	0.2912	0.2736	0.2729	0.2426	0.2344	-----	0.260	8.00	0.991	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1954	1.2199	1.2566	1.2291	1.1624	1.1831	1.1016	1.0570	-----	1.18	8.23	0.996	0.999	5.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3524	0.2064	0.3239	0.3421	0.3356	0.3302	0.2900	0.2896	-----	0.309	8.15	0.993	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1149	-----	0.0503	0.0895	0.1443	0.1696	0.1657	0.1661	-----	0.129	8.24	0.994	0.996	36	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.5994	1.6953	1.7059	1.6671	1.5553	1.5954	1.4969	1.4922	1.9764	1.64	8.39	0.999	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	LinF	0.3707	0.2241	0.3530	0.3806	0.3803	0.4043	0.3818	0.3804	-----	0.359	8.36	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3217	0.1685	0.2870	0.3111	0.3291	0.3502	0.3395	0.3414	-----	0.306	8.28	0.999	1.00	19	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	LinF	0.2290	0.1284	0.2381	0.2466	0.2300	0.2505	0.2357	0.2354	-----	0.224	8.50	0.999	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3149	1.3243	1.3911	1.4124	1.2512	1.2637	1.1595	1.1254	-----	1.28	8.71	0.996	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5268	0.5042	0.5432	0.5443	0.4898	0.5007	0.4637	0.4524	-----	0.503	8.70	0.997	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3513	1.3272	1.3751	1.4097	1.2972	1.3477	1.2852	1.2954	-----	1.34	8.59	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3741	0.2316	0.3595	0.3888	0.3638	0.3841	0.3663	0.3650	-----	0.354	8.71	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3150	0.2397	0.3037	0.3117	0.3136	0.3305	0.3022	0.3053	-----	0.303	9.35	0.998	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1012	-----	0.0673	0.0932	0.1176	0.1293	0.1311	0.1322	-----	0.110	8.74	0.997	0.999	22		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6833	0.6220	0.6767	0.7087	0.6476	0.6717	0.6285	0.6421	-----	0.660	8.82	0.999	0.999	4.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Qua	0.0502	0.0288	0.0446	0.0491	0.0506	0.0529	0.0536	0.0541	-----	0.0480	8.94	1.00	1.00	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.1511	0.9587	1.1765	1.1824	1.0822	1.1091	1.0656	1.0948	-----	1.10	8.86	0.999	0.999	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1446	0.1271	0.1489	0.1512	0.1438	0.1442	0.1430	0.1426	-----	0.143	9.19	1.00	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1336	0.1460	0.1432	0.1376	0.1288	0.1301	0.1305	0.1300	-----	0.135	9.26	1.00	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.8473	0.6456	0.8317	0.8814	0.8039	0.8133	0.7751	0.7612	-----	0.795	9.54	0.998	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0810	-----	0.0548	0.0709	0.0859	0.0952	0.0918	0.0957	-----	0.0822	9.46	0.998	0.999	18	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1196	1.1635	1.1468	1.1752	1.0775	1.1001	1.0444	1.0422	-----	1.11	9.69	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1314	1.0081	1.1622	1.1733	1.0895	1.1207	1.0649	1.0630	-----	1.10	9.75	0.999	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1220	0.9999	1.1164	1.1421	1.0817	1.1180	1.0595	1.0670	-----	1.09	9.92	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4024	0.8848	1.2597	1.3741	1.3448	1.3863	1.3326	1.3408	-----	1.29	10.31	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.0928	0.9171	1.0795	1.0586	1.0380	1.0844	1.0459	1.0276	-----	1.04	11.03	0.999	1.00	5.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.4746	1.3200	1.4838	1.5250	1.4180	1.4547	1.4585	1.4900	-----	1.45	11.29	1.00	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	LinF	0.5772	0.1783	0.3914	0.6295	0.5773	0.5255	0.4828	0.4891	-----	0.481	11.18	0.991	0.997	30		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Qua	0.8045	0.7410	0.8058	0.8267	0.7702	0.7968	0.8040	0.8766	0.4085	0.759	11.48	0.996	0.999	18		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	0.50
4.4'-DDE	1	0	Avg	0.2312	0.2104	0.2267	0.2379	0.2273	0.2288	0.2268	0.2334	-----	0.228	11.42	1.00	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.4756	0.3152	0.4414	0.4840	0.4584	0.4664	0.4573	0.4824	-----	0.448	11.82	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * *- ccc compound*

b - failed the ccc criteria ** *- spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.49

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0645

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M63646.	CAL BNA@50PPM	12/23/10 12:55	2	5M63645.	CAL BNA@2PPM	12/23/10 12:31
3	5M63643.	CAL BNA@10PPM	12/23/10 11:45	4	5M63642.	CAL BNA@20PPM	12/23/10 11:21
5	5M63640.	CAL BNA@80PPM	12/23/10 10:34	6	5M63639.	CAL BNA@120PPM	12/23/10 10:10
7	5M63638.	CAL BNA@160PPM	12/23/10 09:47	8	5M63637.	CAL BNA@196PPM	12/23/10 09:23
9	5M63647.	CAL BNA@0.5PPM	12/23/10 13:52				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Qua	0.7699	0.4268	0.6783	0.7552	0.7702	0.7988	0.7783	0.8170	-----	0.724	12.07	0.999	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3748	-----	0.3288	0.3833	0.3768	0.3772	0.3657	0.3688	-----	0.368	12.18	1.00	1.00	4.9		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3124	0.1774	0.2371	0.2938	0.3103	0.3092	0.2868	0.2763	-----	0.275	12.69	0.995	1.00	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1817	1.0517	1.1594	1.1805	1.1154	1.1793	1.1328	1.1590	-----	1.15	12.72	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1414	1.1468	1.1925	1.1936	1.1175	1.1320	1.0856	1.0880	-----	1.14	12.76	0.999	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	LinF	1.0927	0.5499	0.9351	1.0654	1.0913	1.1157	1.0805	1.0935	-----	1.00	12.78	1.00	1.00	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	2.0613	0.7145	1.5760	1.8614	2.1087	2.2094	2.2540	2.3595	-----	1.89	13.53	0.998	1.00	28	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1379	0.8853	1.1207	1.1476	1.1171	1.1816	1.1769	1.2333	-----	1.13	13.93	0.998	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.3221	1.0449	1.2575	1.2873	1.1778	1.1876	1.1781	1.1606	-----	1.20	13.96	0.999	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1369	0.8209	1.0793	1.0858	1.0907	1.1696	1.1389	1.1737	-----	1.09	14.29	0.999	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Qua	0.9691	0.4252	0.9752	0.9724	0.9726	1.0583	1.0566	1.0863	-----	0.940	15.65	0.999	1.00	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.7877	0.5452	0.7793	0.7989	0.8169	0.8911	0.8772	0.9083	-----	0.801	15.68	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.8209	0.6220	0.8715	0.8488	0.8383	0.8874	0.8808	0.9175	-----	0.836	16.03	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.49

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63646.D Sam Mult : 1 Vial# : 2 Qt On : 12/23/10 13:33
Acq On : 12/23/10 12:55 Misc : A,BNA Qt Upd On: 12/23/10 13:06

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	87645	40.00	ng	-0.05
29) Naphthalene-d8	6.780	136	347791	40.00	ng	-0.05
47) Acenaphthene-d10	8.207	164	174895	40.00	ng	-0.05
74) Phenanthrene-d10	9.670	188	280925	40.00	ng	-0.06
88) Chrysene-d12	12.726	240	218841	40.00	ng	-0.06
100) Perylene-d12	14.345	264	175305	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.552	112	152876	48.54	ng	-0.05
Spiked Amount 100.000			Recovery = 48.54%			
15) Phenol-d5	5.439	99	224745	46.92	ng	-0.05
Spiked Amount 100.000			Recovery = 46.92%			
30) Nitrobenzene-d5	6.214	128	36300	23.30	ng	-0.05
Spiked Amount 50.000			Recovery = 46.60%			
52) 2-Fluorobiphenyl	7.619	172	143082	24.28	ng	-0.05
Spiked Amount 50.000			Recovery = 48.56%			
77) 2,4,6-Tribromophenol	8.944	330	17651	40.05	ng	-0.06
Spiked Amount 100.000			Recovery = 40.05%			
91) Terphenyl-d14	11.481	244	110044	24.28	ng	-0.06
Spiked Amount 50.000			Recovery = 48.56%			
Target Compounds						Qvalue
8) Pyridine	2.966	79	204708	43.07	ng	87
9) N-Nitrosodimethylamine	2.896	74	116887	42.85	ng	85
11) Benzaldehyde	5.386	77	100590	41.41	ng	87
12) Aniline	5.482	93	259284	47.36	ng	46
13) Pentachloroethane	5.525	117	54582	52.43	ng	96
14) bis(2-Chloroethyl)ether	5.541	93	175749	49.36	ng	92
16) Phenol	5.455	94	227527	45.35	ng	88
17) 2-Chlorophenol	5.583	128	159921	47.42	ng	90
18) N-Decane	5.637	57	256471	59.70	ng	93
19) 1,3-Dichlorobenzene	5.717	146	168113	48.32	ng	99
20) 1,4-Dichlorobenzene	5.781	146	168369	46.81	ng	97
21) 1,2-Dichlorobenzene	5.904	146	159920	47.25	ng	96
22) Benzyl alcohol	5.877	108	112603	44.31	ng	81
23) bis(2-chloroisopropyl)...	5.995	45	314734	51.57	ng	97
24) 2-Methylphenol	5.968	108	158200	44.18	ng	97
25) Acetophenone	6.096	105	234450	46.87	ng	80
26) Hexachloroethane	6.182	117	69924	50.10	ng	88
27) N-Nitroso-di-n-propyla...	6.096	70	131923	48.76	ng	87
28) 3&4-Methylphenol	6.091	108	165372	45.82	ng	98
31) Nitrobenzene	6.230	77	194054	49.21	ng	90
32) Isophorone	6.422	82	358155	47.87	ng	95
33) 2-Nitrophenol	6.481	139	77659	48.40	ng	84
34) 2,4-Dimethylphenol	6.508	107	167564	46.95	ng	99
35) Benzoic Acid	6.566	105	88666m	54.87	ng	
36) bis(2-Chloroethoxy)met...	6.582	93	211345	49.48	ng	98
37) 2,4-Dichlorophenol	6.663	162	111875	43.75	ng	94
38) 1,2,4-Trichlorobenzene	6.732	180	124961	45.61	ng	99
39) Naphthalene	6.796	128	467188	45.82	ng	100
40) 4-Chloroaniline	6.828	127	174886	49.73	ng	99
41) Hexachlorobutadiene	6.887	225	51602	44.22	ng	97
42) Caprolactam	7.090	113	56813	44.10	ng	68
43) 4-Chloro-3-methylphenol	7.191	107	138639	44.40	ng	91
44) 2-Methylnaphthalene	7.330	142	284042	45.29	ng	97
45) Methylnaphthalenes (To...	7.330	142	284042	45.29	ng	97
46) 1,1'-Biphenyl	7.704	154	372335	45.50	ng	97
48) 1,2,4,5-Tetrachloroben...	7.464	216	110832	47.68	ng	97
49) Hexachlorocyclopentadiene	7.453	237	46554	44.60	ng	92
50) 2,4,6-Trichlorophenol	7.549	196	70438	49.27	ng	99
51) 2,4,5-Trichlorophenol	7.576	196	72038	44.99	ng	99
53) 2-Chloronaphthalene	7.726	162	253159	49.05	ng	96
54) 1,4-Dimethylnaphthalene	8.009	156	214726	50.92	ng	94
55) Dimethylnaphthalenes (...	8.009	156	214726	50.92	ng	94
56) Diphenyl Ether	7.790	170	184160	47.11	ng	89
57) 2-Nitroaniline	7.801	65	127547	52.85	ng	84
58) Coumarin	7.982	146	111615	47.52	ng	77
59) Acenaphthylene	8.084	152	426833	47.73	ng	99
60) Dimethylphthalate	7.950	163	277632	46.57	ng	99
61) 2,6-Dinitrotoluene	8.004	165	61876	49.15	ng	85
62) Acenaphthene	8.233	153	261356	47.85	ng	97
63) 3-Nitroaniline	8.148	138	77044	49.72	ng	35
64) 2,4-Dinitrophenol	8.244	184	25123	45.30	ng	54
65) Dibenzofuran	8.388	168	349669	45.42	ng	93

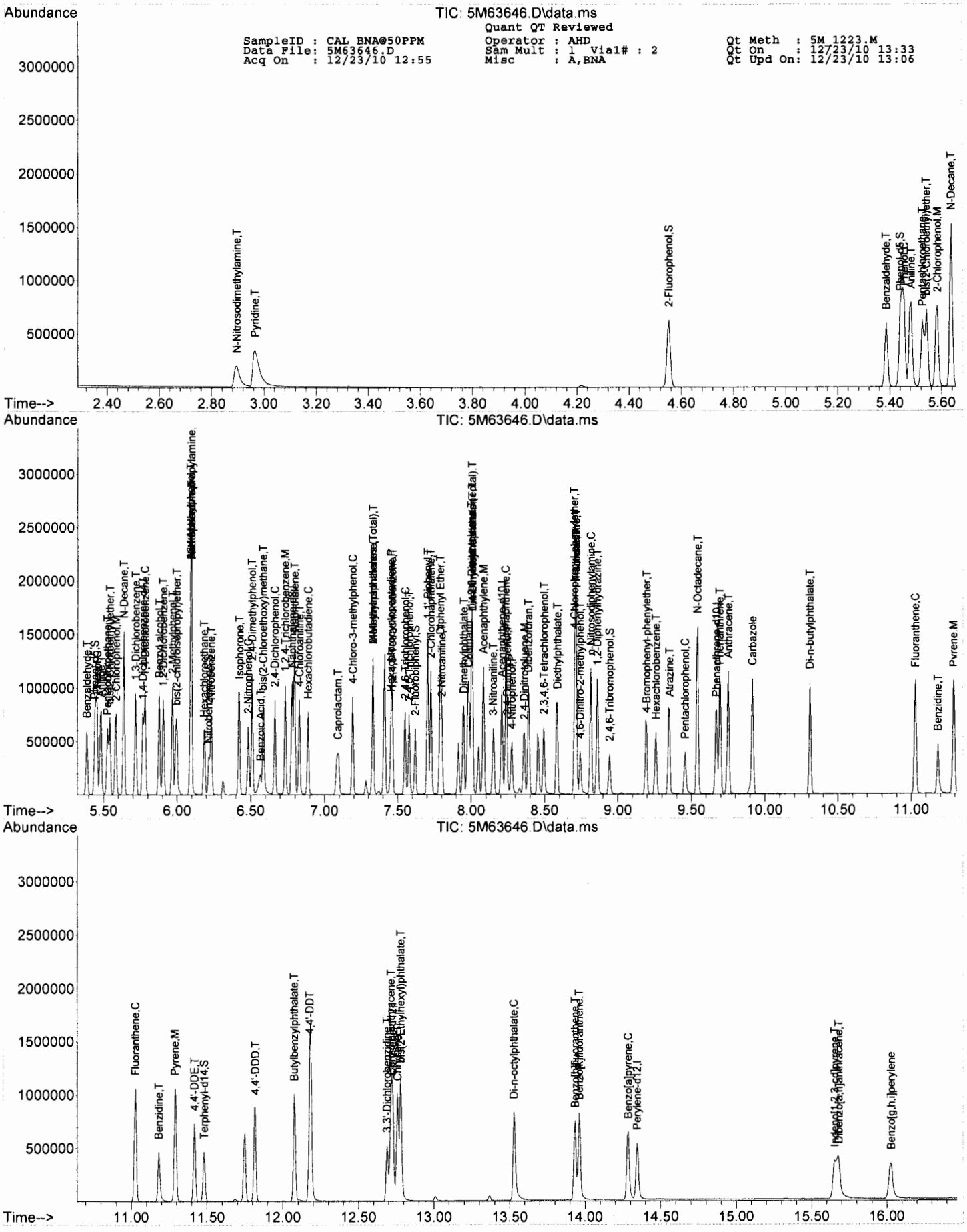
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63646.D Sam Mult : 1 Vial# : 2 Qt On : 12/23/10 13:33
Acq On : 12/23/10 12:55 Misc : A,BNA Qt Upd On: 12/23/10 13:06

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.361	165	81061	47.21	ng	85
67)	4-Nitrophenol	8.276	65	70344	48.68	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.495	232	50083	44.13	ng	97
69)	Fluorene	8.714	166	287481	46.67	ng	99
70)	4-Chlorophenyl-phenyle...	8.703	204	115179	45.41	ng	98
71)	Diethylphthalate	8.586	149	295419	47.79	ng	98
72)	4-Nitroaniline	8.714	138	81801	45.62	ng	85
73)	Atrazine	9.350	200	68883	43.85	ng	96
75)	4,6-Dinitro-2-methylph...	8.741	198	35565	46.38	ng	19
76)	n-Nitrosodiphenylamine	8.816	169	239977	49.01	ng	99
78)	1,2-Diphenylhydrazine	8.858	77	404215	53.47	ng	98
79)	4-Bromophenyl-phenylether	9.195	248	50796	45.08	ng	94
80)	Hexachlorobenzene	9.259	284	46931	43.63	ng	100
81)	N-Octadecane	9.542	57	297567	60.56	ng	90
82)	Pentachlorophenol	9.457	266	28469	43.13	ng	96
83)	Phenanthrene	9.692	178	393181	47.42	ng	99
84)	Anthracene	9.750	178	397308	47.03	ng	100
85)	Carbazole	9.916	167	394016	47.48	ng	98
86)	Di-n-butylphthalate	10.306	149	492481	50.62	ng	99
87)	Fluoranthene	11.027	202	383760	46.63	ng	93
89)	Pyrene	11.289	202	403399	49.43	ng	92
90)	Benzidine	11.182	184	157895	43.26	ng	95
92)	4,4'-DDE	11.417	246	63247	48.31	ng	87
93)	4,4'-DDD	11.818	235	130122	49.44	ng	82
94)	Butylbenzylphthalate	12.074	149	210620	52.63	ng	92
95)	4,4'-DDT	12.176	235	102549	47.41	ng	83
96)	3,3'-Dichlorobenzidine	12.689	252	85463	44.30	ng	95
97)	Benzo[a]anthracene	12.715	228	323264	47.97	ng	98
98)	Chrysene	12.758	228	312236	48.50	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.779	149	298922	54.28	ng	97
101)	Di-n-octylphthalate	13.527	149	451716	48.71	ng	100
102)	Benzo[b]fluoranthene	13.933	252	249359	45.39	ng	96
103)	Benzo[k]fluoranthene	13.960	252	289720	52.04	ng	96
104)	Benzo[a]pyrene	14.286	252	249149	47.60	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.654	276	212366	45.40	ng	77
106)	Dibenzo[a,h]anthracene	15.680	278	172625	44.97	ng	88
107)	Benzo[g,h,i]perylene	16.028	276	179899	45.97	ng	77

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


Abundance
TIC: 5M63646.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M63646.D
Acq On : 12/23/10 12:55
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:33
Qt Upd On: 12/23/10 13:06
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
2-Chlorophenol,M
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM
Data File: 5M63645.D
Acq On : 12/23/10 12:31

Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA

Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:08
Qt Upd On: 12/23/10 13:06

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	106995	40.00	ng	-0.05
29) Naphthalene-d8	6.775	136	422455	40.00	ng	-0.05
47) Acenaphthene-d10	8.207	164	205983	40.00	ng	-0.05
74) Phenanthrene-d10	9.665	188	347843	40.00	ng	-0.06
88) Chrysene-d12	12.726	240	245557	40.00	ng	-0.06
100) Perylene-d12	14.345	264	205407	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.553	112	6899	1.79	ng	-0.05
Spiked Amount 100.000			Recovery = 1.79%			
15) Phenol-d5	5.439	99	9335	1.60	ng	-0.05
Spiked Amount 100.000			Recovery = 1.60%			
30) Nitrobenzene-d5	6.214	128	1496	0.79	ng	-0.05
Spiked Amount 50.000			Recovery = 1.58%			
52) 2-Fluorobiphenyl	7.619	172	6756	0.97	ng	-0.05
Spiked Amount 50.000			Recovery = 1.94%			
77) 2,4,6-Tribromophenol	8.944	330	501m	0.92	ng	-0.06
Spiked Amount 100.000			Recovery = 0.92%			
91) Terphenyl-d14	11.481	244	4549	0.89	ng	-0.06
Spiked Amount 50.000			Recovery = 1.78%			
Target Compounds						Qvalue
8) Pyridine	3.009	79	8075	1.39	ng	81
9) N-Nitrosodimethylamine	2.913	74	5335	1.60	ng	92
11) Benzaldehyde	5.386	77	6371	1.86	ng	76
12) Aniline	5.477	93	7699	1.15	ng	50
13) Pentachloroethane	5.525	117	2225	1.75	ng	78
14) bis(2-Chloroethyl)ether	5.541	93	8818	2.03	ng	87
16) Phenol	5.450	94	10235	1.67	ng	90
17) 2-Chlorophenol	5.578	128	6732	1.64	ng	93
18) N-Decane	5.637	57	11896	2.27	ng	90
19) 1,3-Dichlorobenzene	5.717	146	8639	2.03	ng	97
20) 1,4-Dichlorobenzene	5.781	146	8378	1.91	ng	97
21) 1,2-Dichlorobenzene	5.904	146	8321	2.01	ng	89
22) Benzyl alcohol	5.877	108	4571	1.47	ng	96
23) bis(2-chloroisopropyl)...	5.990	45	15508	2.08	ng	100
24) 2-Methylphenol	5.963	108	6882	1.57	ng	93
25) Acetophenone	6.091	105	11386	1.86	ng	93
26) Hexachloroethane	6.182	117	3286	1.93	ng	85
27) N-Nitroso-di-n-propyla...	6.091	70	5794	1.75	ng	85
28) 3&4-Methylphenol	6.091	108	6911	1.57	ng	98
31) Nitrobenzene	6.230	77	8460	1.77	ng	94
32) Isophorone	6.417	82	14306	1.57	ng	97
33) 2-Nitrophenol	6.481	139	2203	1.13	ng	88
34) 2,4-Dimethylphenol	6.508	107	7247	1.67	ng	94
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.583	93	9608	1.85	ng	99
37) 2,4-Dichlorophenol	6.663	162	4010	1.29	ng	94
38) 1,2,4-Trichlorobenzene	6.732	180	6666	2.00	ng	95
39) Naphthalene	6.791	128	23723	1.92	ng	98
40) 4-Chloroaniline	6.828	127	5455	1.28	ng	93
41) Hexachlorobutadiene	6.887	225	2652	1.87	ng	87
42) Caprolactam	7.074	113	1796	1.15	ng	80
43) 4-Chloro-3-methylphenol	7.186	107	5012	1.32	ng	91
44) 2-Methylnaphthalene	7.331	142	13394	1.76	ng	95
45) Methylnaphthalenes (To...	7.331	142	13394	1.76	ng	95
46) 1,1'-Biphenyl	7.705	154	18609	1.87	ng	95
48) 1,2,4,5-Tetrachloroben...	7.459	216	5611	2.05	ng	93
49) Hexachlorocyclopentadiene	7.453	237	1689	1.37	ng	92
50) 2,4,6-Trichlorophenol	7.550	196	2110	1.25	ng	99
51) 2,4,5-Trichlorophenol	7.576	196	2549	1.35	ng	91
53) 2-Chloronaphthalene	7.726	162	12378	2.04	ng	91
54) 1,4-Dimethylnaphthalene	8.004	156	10793	2.17	ng	84
55) Dimethylnaphthalenes (...	8.004	156	10793	2.17	ng	84
56) Diphenyl Ether	7.790	170	9113	1.98	ng	86
57) 2-Nitroaniline	7.795	65	4192	1.47	ng	99
58) Coumarin	7.982	146	5218	1.89	ng	81
59) Acenaphthylene	8.078	152	19112	1.81	ng	96
60) Dimethylphthalate	7.945	163	12859	1.83	ng	97
61) 2,6-Dinitrotoluene	7.998	165	1973	1.33	ng	81
62) Acenaphthene	8.233	153	12564	1.95	ng	96
63) 3-Nitroaniline	8.148	138	2126	1.16	ng	33
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.388	168	17461	1.93	ng	94

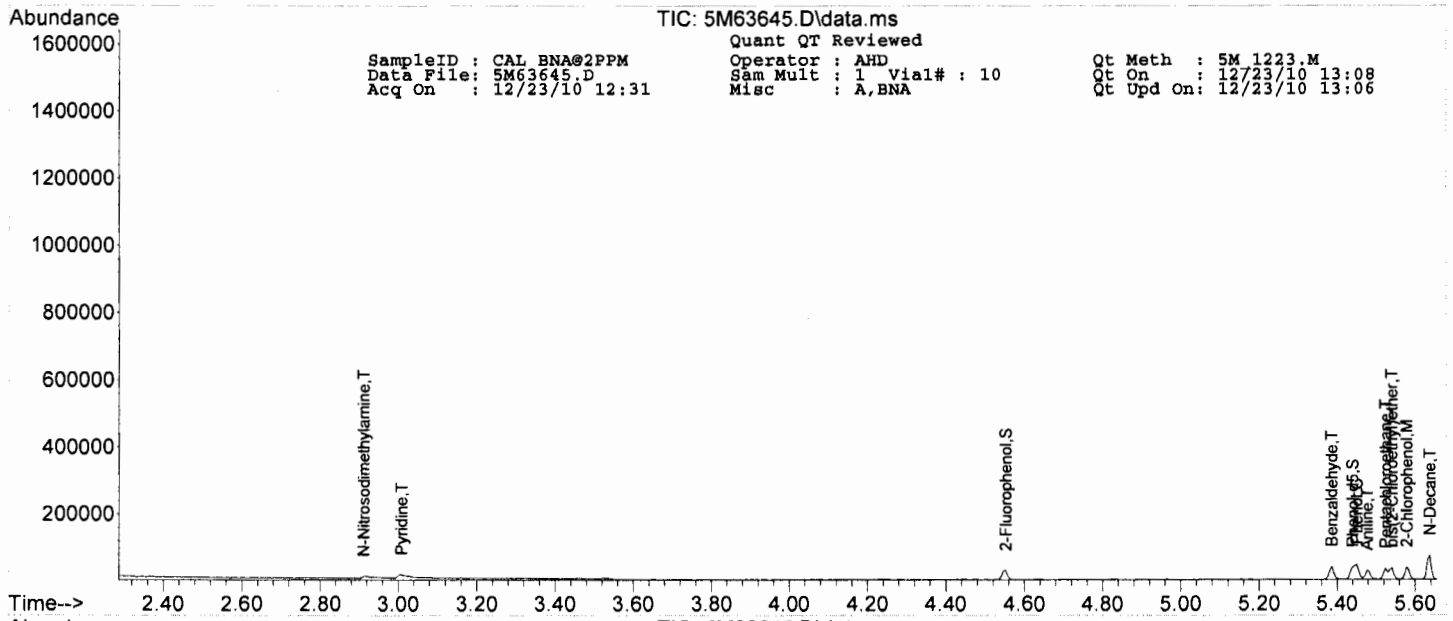
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63645.D Sam Mult : 1 Vial# : 10 Qt On : 12/23/10 13:08
Acq On : 12/23/10 12:31 Misc : A,BNA Qt Upd On: 12/23/10 13:06

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.356	165	2308	1.14 ng	78
67)	4-Nitrophenol	8.276	65	1736	1.02 ng	74
68)	2,3,4,6-Tetrachlorophenol	8.495	232	1323	0.99 ng	84
69)	Fluorene	8.714	166	13640	1.88 ng	96
70)	4-Chlorophenyl-phenyle...	8.703	204	5193	1.74 ng	84
71)	Diethylphthalate	8.581	149	13670	1.88 ng	97
72)	4-Nitroaniline	8.709	138	2386	1.13 ng	88
73)	Atrazine	9.345	200	2469	1.33 ng	94
75)	4,6-Dinitro-2-methylph...	8.752	198	252	0.30 ng	56
76)	n-Nitrosodiphenylamine	8.816	169	10819	1.78 ng	95
78)	1,2-Diphenylhydrazine	8.858	77	16675	1.78 ng	96
79)	4-Bromophenyl-phenylether	9.190	248	2211	1.58 ng	80
80)	Hexachlorobenzene	9.259	284	2540	1.91 ng	91
81)	N-Octadecane	9.542	57	11229	1.85 ng	93
82)	Pentachlorophenol	0.000		0	N.D. d	
83)	Phenanthrene	9.692	178	20236	1.97 ng	96
84)	Anthracene	9.745	178	17533	1.68 ng	99
85)	Carbazole	9.916	167	17391	1.69 ng	95
86)	Di-n-butylphthalate	10.306	149	15390	1.28 ng	97
87)	Fluoranthene	11.027	202	15951	1.57 ng	95
89)	Pyrene	11.289	202	16207	1.77 ng	92
90)	Benzidine	11.182	184	2190	0.49 ng	94
92)	4,4'-DDE	11.417	246	2584	1.76 ng	91
93)	4,4'-DDD	11.818	235	3870	1.31 ng	70
94)	Butylbenzylphthalate	12.074	149	5241	1.17 ng	84
95)	4,4'-DDT	12.176	235	2641	1.09 ng	76
96)	3,3'-Dichlorobenzidine	12.689	252	2179	0.96 ng	70
97)	Benzo[a]anthracene	12.716	228	12913	1.71 ng	97
98)	Chrysene	12.753	228	14081	1.95 ng	93
99)	bis(2-Ethylhexyl)phtha...	12.780	149	6752	1.09 ng	96
101)	Di-n-octylphthalate	13.528	149	7339	0.70 ng	90
102)	Benzo[b]fluoranthene	13.928	252	9093	1.41 ng	95
103)	Benzo[k]fluoranthene	13.955	252	10732	1.65 ng	96
104)	Benzo[a]pyrene	14.281	252	8431	1.37 ng	93
105)	Indeno[1,2,3-cd]pyrene	15.648	276	4367	0.80 ng	63
106)	Dibenzo[a,h]anthracene	15.675	278	5600	1.25 ng	78
107)	Benzo[g,h,i]perylene	16.022	276	6389	1.39 ng	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed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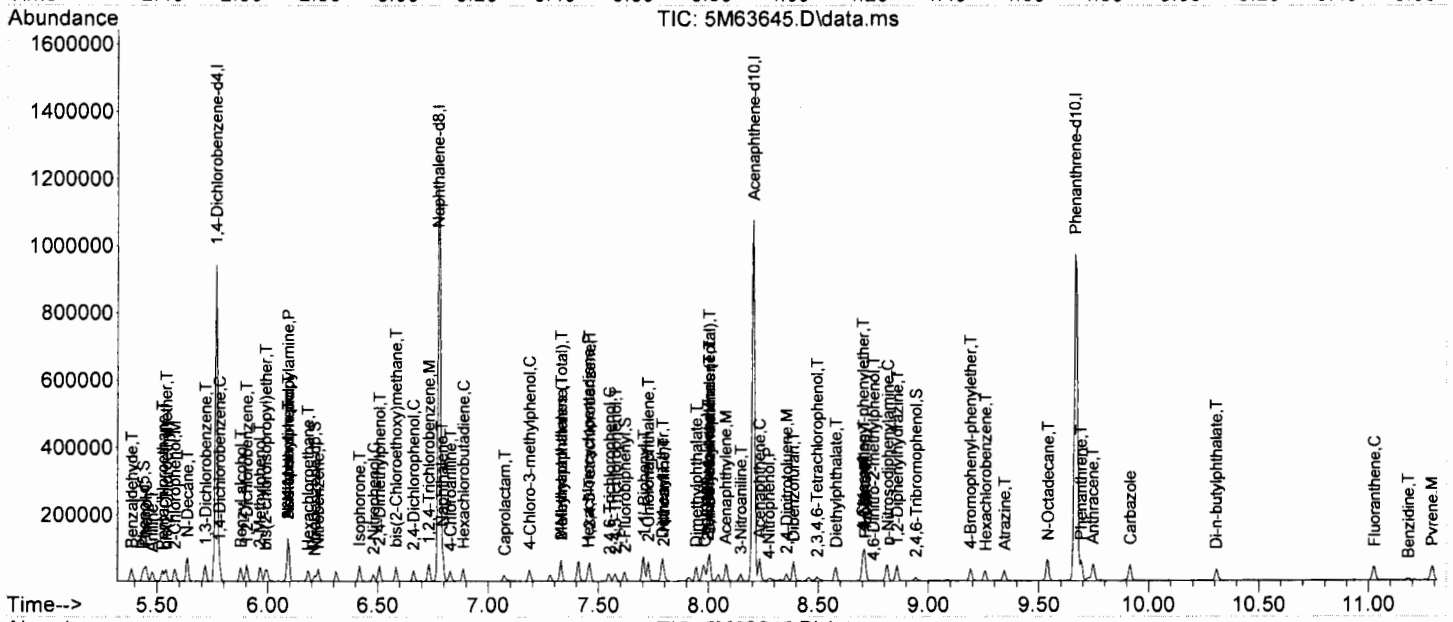
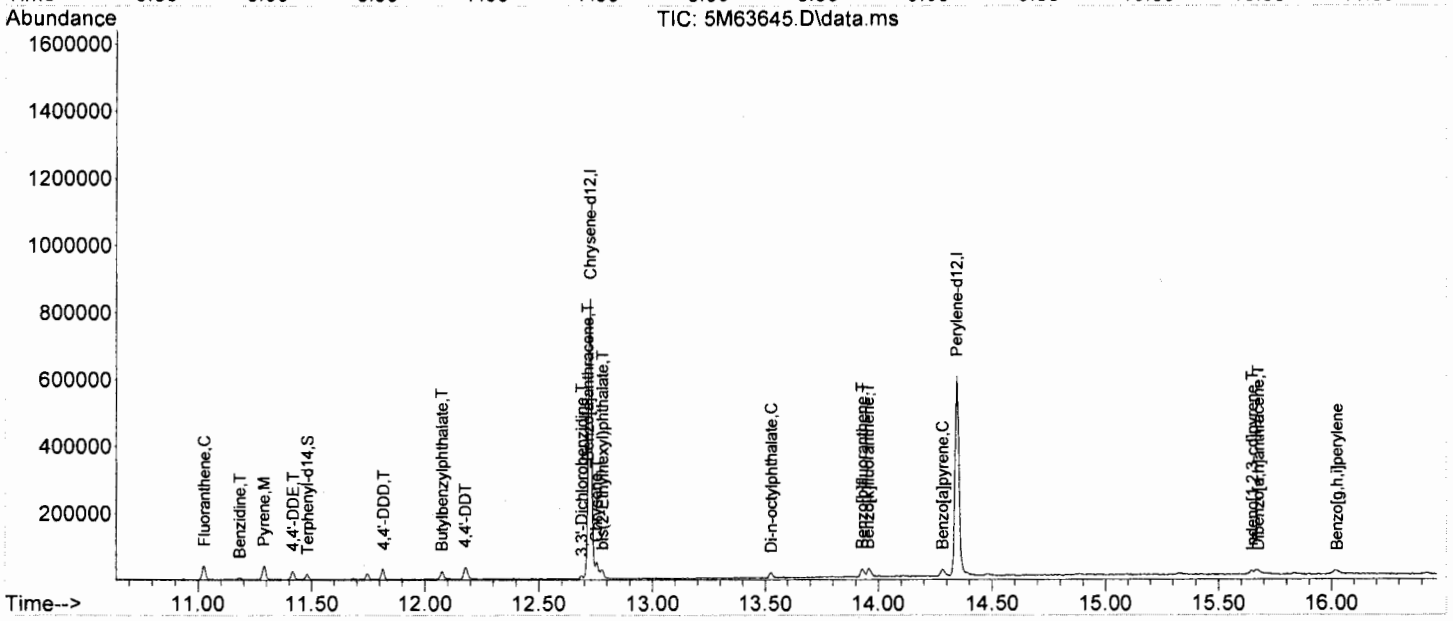
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 5M63645.D
Acq On : 12/23/10 12:31
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:08
Qt Upd On: 12/23/10 13:06
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
Time-->


Abundance
TIC: 5M63645.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Atrazine,T
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->


Abundance
TIC: 5M63645.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 5M63643.D
Acq On : 12/23/10 11:45

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:04
Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	103867	40.00	ng	-0.05
29) Naphthalene-d8	6.780	136	409806	40.00	ng	-0.05
47) Acenaphthene-d10	8.206	164	206563	40.00	ng	-0.05
74) Phenanthrene-d10	9.670	188	339132	40.00	ng	-0.06
88) Chrysene-d12	12.726	240	258337	40.00	ng	-0.06
100) Perylene-d12	14.345	264	210562	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	35674	9.56	ng	-0.06
Spiked Amount 100.000			Recovery = 9.56%			
15) Phenol-d5	5.439	99	53129	9.36	ng	-0.05
Spiked Amount 100.000			Recovery = 9.36%			
30) Nitrobenzene-d5	6.214	128	8638	4.71	ng	-0.05
Spiked Amount 50.000			Recovery = 9.42%			
52) 2-Fluorobiphenyl	7.619	172	35507	5.10	ng	-0.05
Spiked Amount 50.000			Recovery = 10.20%			
77) 2,4,6-Tribromophenol	8.944	330	3782	7.12	ng	-0.06
Spiked Amount 100.000			Recovery = 7.12%			
91) Terphenyl-d14	11.481	244	26022	4.86	ng	-0.06
Spiked Amount 50.000			Recovery = 9.72%			
Target Compounds						Qvalue
8) Pyridine	2.976	79	48177	8.55	ng	80
9) N-Nitrosodimethylamine	2.896	74	27642	8.55	ng	88
11) Benzaldehyde	5.386	77	33898	10.48	ng	85
12) Aniline	5.477	93	51276	7.90	ng	46
13) Pentachloroethane	5.525	117	13629	11.05	ng	95
14) bis(2-Chloroethyl)ether	5.541	93	43546	10.32	ng	87
16) Phenol	5.450	94	54442	9.16	ng	88
17) 2-Chlorophenol	5.578	128	37600	9.41	ng	95
18) N-Decane	5.637	57	61968	12.17	ng	91
19) 1,3-Dichlorobenzene	5.717	146	42404	10.28	ng	98
20) 1,4-Dichlorobenzene	5.781	146	42139	9.89	ng	98
21) 1,2-Dichlorobenzene	5.904	146	39761	9.91	ng	98
22) Benzyl alcohol	5.877	108	26707	8.87	ng	81
23) bis(2-chloroisopropyl)...	5.995	45	77920	10.77	ng	99
24) 2-Methylphenol	5.968	108	39573	9.33	ng	94
25) Acetophenone	6.091	105	58739	9.91	ng	89
26) Hexachloroethane	6.182	117	16622	10.05	ng	87
27) N-Nitroso-di-n-propyla...	6.091	70	32671	10.19	ng	95
28) 3&4-Methylphenol	6.091	108	40892	9.56	ng	100
31) Nitrobenzene	6.230	77	46711	10.05	ng	90
32) Isophorone	6.417	82	85237	9.67	ng	96
33) 2-Nitrophenol	6.481	139	16984	8.98	ng	85
34) 2,4-Dimethylphenol	6.508	107	39072	9.29	ng	99
35) Benzoic Acid	6.540	105	10096	8.75	ng	89
36) bis(2-Chloroethoxy)met...	6.582	93	52418	10.41	ng	97
37) 2,4-Dichlorophenol	6.663	162	27024	8.97	ng	91
38) 1,2,4-Trichlorobenzene	6.732	180	30950	9.59	ng	95
39) Naphthalene	6.796	128	117750	9.80	ng	100
40) 4-Chloroaniline	6.828	127	35412	8.55	ng	99
41) Hexachlorobutadiene	6.887	225	12737	9.26	ng	95
42) Caprolactam	7.079	113	12681	8.35	ng	70
43) 4-Chloro-3-methylphenol	7.186	107	32821	8.92	ng	98
44) 2-Methylnaphthalene	7.330	142	69422	9.40	ng	100
45) Methylnaphthalenes (To...	7.330	142	69422	9.40	ng	100
46) 1,1'-Biphenyl	7.704	154	93017	9.65	ng	96
48) 1,2,4,5-Tetrachloroben...	7.459	216	27564	10.04	ng	95
49) Hexachlorocyclopentadiene	7.453	237	10496	8.51	ng	96
50) 2,4,6-Trichlorophenol	7.549	196	15658	9.27	ng	99
51) 2,4,5-Trichlorophenol	7.576	196	17497	9.25	ng	99
53) 2-Chloronaphthalene	7.726	162	64154	10.52	ng	94
54) 1,4-Dimethylnaphthalene	8.003	156	52309	10.50	ng	93
55) Dimethylnaphthalenes (...	8.003	156	52309	10.50	ng	93
56) Diphenyl Ether	7.790	170	46400	10.05	ng	88
57) 2-Nitroaniline	7.795	65	29561	10.37	ng	97
58) Coumarin	7.982	146	27916	10.06	ng	78
59) Acenaphthylene	8.084	152	100978	9.56	ng	99
60) Dimethylphthalate	7.945	163	69302	9.84	ng	99
61) 2,6-Dinitrotoluene	7.998	165	15071	10.14	ng	86
62) Acenaphthene	8.233	153	64893	10.06	ng	99
63) 3-Nitroaniline	8.148	138	16729	9.14	ng	39
64) 2,4-Dinitrophenol	8.244	184	2602	4.50	ng	51
65) Dibenzofuran	8.388	168	88098	9.69	ng	93

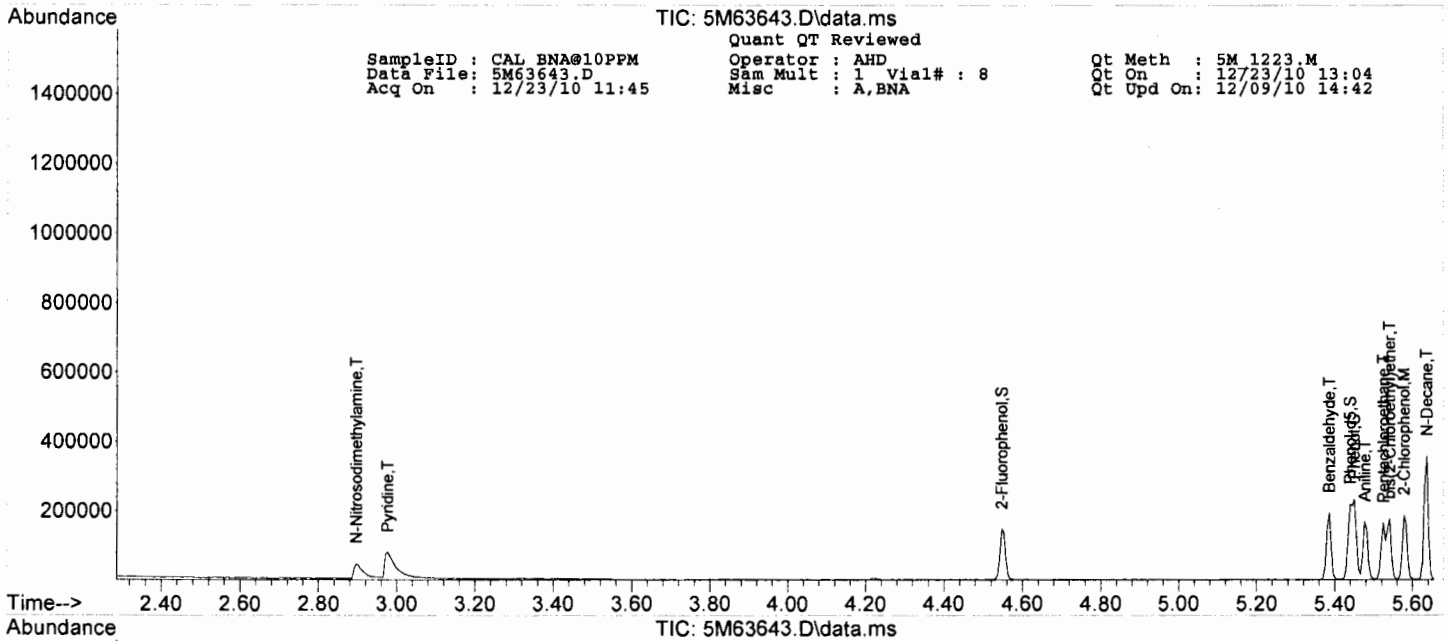
Quantitation Report (QT Reviewed)

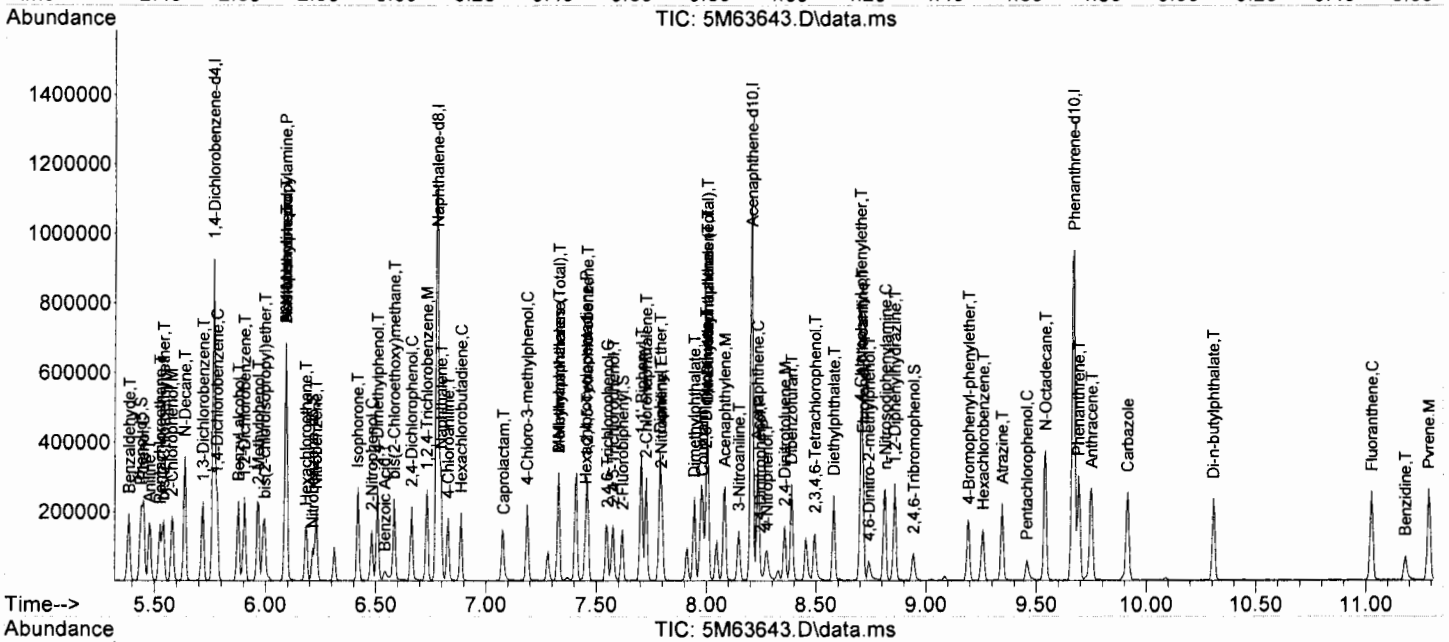
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63643.D Sam Mult : 1 Vial# : 8 Qt On : 12/23/10 13:04
Acq On : 12/23/10 11:45 Misc : A,BNA Qt Upd On: 12/09/10 14:42

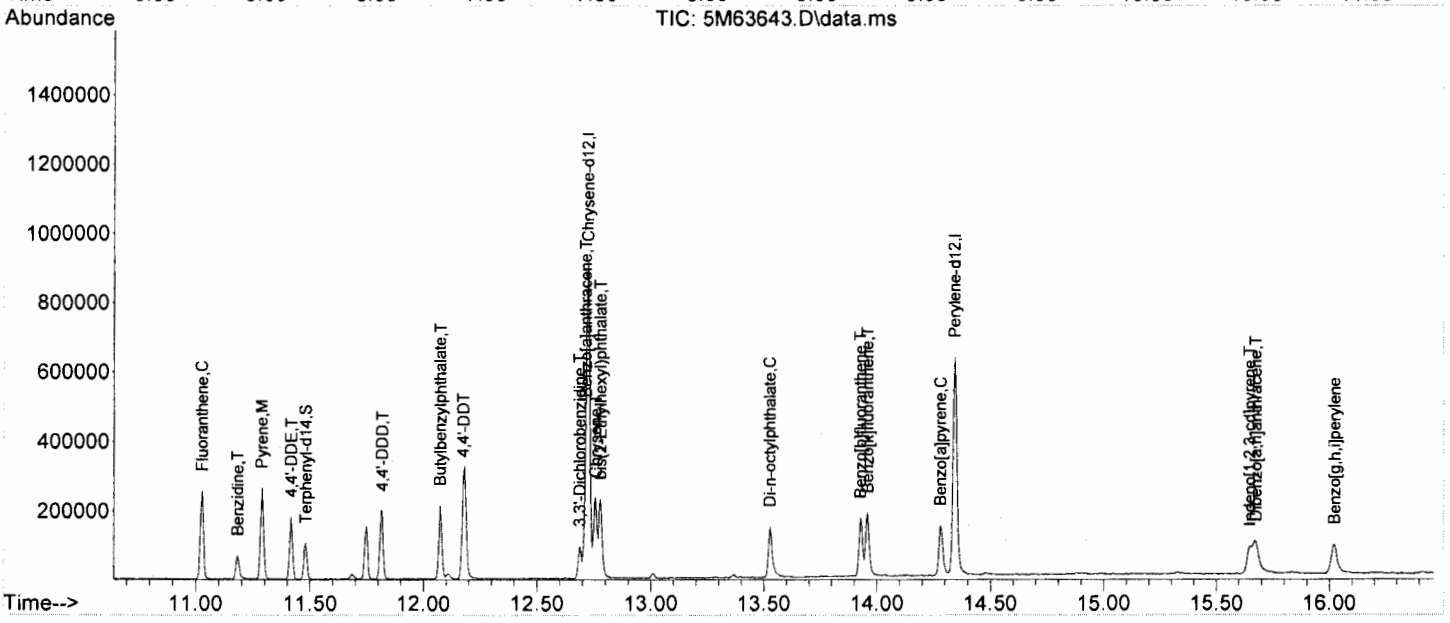
Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.356	165	18230	8.99	ng	96
67)	4-Nitrophenol	8.276	65	14821	8.69	ng	95
68)	2,3,4,6-Tetrachlorophenol	8.495	232	12300	9.18	ng	98
69)	Fluorene	8.714	166	71840	9.87	ng	96
70)	4-Chlorophenyl-phenyle...	8.703	204	28052	9.37	ng	97
71)	Diethylphthalate	8.580	149	71014	9.73	ng	100
72)	4-Nitroaniline	8.709	138	18567	8.77	ng	88
73)	Atrazine	9.344	200	15687	8.46	ng	94
75)	4,6-Dinitro-2-methylph...	8.741	198	5713	6.78	ng	33
76)	n-Nitrosodiphenylamine	8.816	169	57375	9.71	ng	99
78)	1,2-Diphenylhydrazine	8.858	77	99747	10.93	ng	98
79)	4-Bromophenyl-phenylether	9.195	248	12628	9.28	ng	87
80)	Hexachlorobenzene	9.259	284	12143	9.35	ng	93
81)	N-Octadecane	9.542	57	70521	11.89	ng	94
82)	Pentachlorophenol	9.457	266	4653	6.14	ng	80
83)	Phenanthrene	9.692	178	97230	9.71	ng	98
84)	Anthracene	9.750	178	98536	9.66	ng	100
85)	Carbazole	9.916	167	94652	9.45	ng	98
86)	Di-n-butylphthalate	10.306	149	106807	9.09	ng	99
87)	Fluoranthene	11.027	202	91531	9.21	ng	94
89)	Pyrene	11.289	202	95835	9.95	ng	96
90)	Benzidine	11.182	184	25282	5.45	ng	97
92)	4,4'-DDE	11.417	246	14645	9.48	ng	86
93)	4,4'-DDD	11.818	235	28512	9.18	ng	80
94)	Butylbenzylphthalate	12.074	149	43809	9.27	ng	92
95)	4,4'-DDT	12.176	235	21241	8.32	ng	81
96)	3,3'-Dichlorobenzidine	12.689	252	15315	6.43	ng	95
97)	Benzo[a]anthracene	12.715	228	74882	9.41	ng	98
98)	Chrysene	12.758	228	77017	10.13	ng	97
99)	bis(2-Ethylhexyl)phtha...	12.779	149	60395	9.29	ng	97
101)	Di-n-octylphthalate	13.527	149	82964	7.72	ng	99
102)	Benzo[b]fluoranthene	13.928	252	58994	8.94	ng	95
103)	Benzo[k]fluoranthene	13.960	252	66196	9.90	ng	94
104)	Benzo[a]pyrene	14.281	252	56816	9.04	ng	95
105)	Indeno[1,2,3-cd]pyrene	15.648	276	51337	9.14	ng	75
106)	Dibenzo[a,h]anthracene	15.675	278	41026	8.90	ng	89
107)	Benzo[g,h,i]perylene	16.022	276	45877	9.76	ng	81

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


Abundance
TIC: 5M63643.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M63643.D
Acq On : 12/23/10 11:45
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12723/10 13:04
Qt Upd On: 12/09/10 14:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
Time-->


Abundance
TIC: 5M63643.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->


Abundance
TIC: 5M63643.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63642.D Sam Mult : 1 Vial# : 7 Qt On : 12/23/10 13:04
Acq On : 12/23/10 11:21 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	108717	40.00	ng	-0.05
29) Naphthalene-d8	6.780	136	428388	40.00	ng	-0.05
47) Acenaphthene-d10	8.207	164	213441	40.00	ng	-0.05
74) Phenanthrene-d10	9.670	188	346530	40.00	ng	-0.06
88) Chrysene-d12	12.726	240	255575	40.00	ng	-0.06
100) Perylene-d12	14.345	264	210202	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	73939	18.93	ng	-0.06
Spiked Amount 100.000			Recovery = 18.93%			
15) Phenol-d5	5.439	99	110064	18.52	ng	-0.05
Spiked Amount 100.000			Recovery = 18.52%			
30) Nitrobenzene-d5	6.214	128	18110	9.44	ng	-0.05
Spiked Amount 50.000			Recovery = 18.88%			
52) 2-Fluorobiphenyl	7.619	172	70481	9.80	ng	-0.05
Spiked Amount 50.000			Recovery = 19.60%			
77) 2,4,6-Tribromophenol	8.944	330	8520	15.70	ng	-0.06
Spiked Amount 100.000			Recovery = 15.70%			
91) Terphenyl-d14	11.481	244	52827	9.98	ng	-0.06
Spiked Amount 50.000			Recovery = 19.96%			
Target Compounds						Qvalue
8) Pyridine	2.966	79	98763	16.75	ng	83
9) N-Nitrosodimethylamine	2.891	74	56577	16.72	ng	85
11) Benzaldehyde	5.386	77	68798	21.13	ng	86
12) Aniline	5.477	93	122827	18.09	ng	46
13) Pentachloroethane	5.525	117	26970	20.88	ng	95
14) bis(2-Chloroethyl)ether	5.541	93	86701	19.63	ng	88
16) Phenol	5.450	94	110510	17.76	ng	90
17) 2-Chlorophenol	5.578	128	81224	19.42	ng	94
18) N-Decane	5.637	57	127108	23.85	ng	93
19) 1,3-Dichlorobenzene	5.717	146	82714	19.17	ng	99
20) 1,4-Dichlorobenzene	5.781	146	85319	19.12	ng	96
21) 1,2-Dichlorobenzene	5.904	146	80829	19.25	ng	96
22) Benzyl alcohol	5.877	108	56781	18.01	ng	78
23) bis(2-chloroisopropyl)...	5.995	45	158996	21.00	ng	97
24) 2-Methylphenol	5.968	108	79023	17.79	ng	97
25) Acetophenone	6.091	105	119774	19.30	ng	91
26) Hexachloroethane	6.182	117	34394	19.87	ng	90
27) N-Nitroso-di-n-propyla...	6.096	70	66812	19.91	ng	84
28) 3&4-Methylphenol	6.091	108	81880	18.29	ng	99
31) Nitrobenzene	6.230	77	97460	20.06	ng	91
32) Isophorone	6.417	82	175750	19.07	ng	98
33) 2-Nitrophenol	6.481	139	37935	19.19	ng	86
34) 2,4-Dimethylphenol	6.508	107	82656	18.80	ng	99
35) Benzoic Acid	6.551	105	34354m	23.56	ng	
36) bis(2-Chloroethoxy)met...	6.583	93	107243	20.38	ng	99
37) 2,4-Dichlorophenol	6.663	162	56196	17.84	ng	94
38) 1,2,4-Trichlorobenzene	6.732	180	64618	19.15	ng	99
39) Naphthalene	6.796	128	236573	18.84	ng	99
40) 4-Chloroaniline	6.828	127	84732	19.56	ng	98
41) Hexachlorobutadiene	6.887	225	26571	18.49	ng	99
42) Caprolactam	7.085	113	28380	17.88	ng	70
43) 4-Chloro-3-methylphenol	7.192	107	69678	18.12	ng	89
44) 2-Methylnaphthalene	7.330	142	144583	18.72	ng	100
45) Methylnaphthalenes (To...	7.330	142	144583	18.72	ng	100
46) 1,1'-Biphenyl	7.704	154	192480	19.10	ng	96
48) 1,2,4,5-Tetrachloroben...	7.459	216	54779	19.31	ng	98
49) Hexachlorocyclopentadiene	7.453	237	22524	17.68	ng	91
50) 2,4,6-Trichlorophenol	7.550	196	35175	20.16	ng	99
51) 2,4,5-Trichlorophenol	7.576	196	34428	17.62	ng	97
53) 2-Chloronaphthalene	7.726	162	128842	20.45	ng	95
54) 1,4-Dimethylnaphthalene	8.009	156	110591	21.49	ng	91
55) Dimethylnaphthalenes (...	8.009	156	110591	21.49	ng	91
56) Diphenyl Ether	7.790	170	95377	19.99	ng	90
57) 2-Nitroaniline	7.801	65	62934	21.37	ng	79
58) Coumarin	7.982	146	57981	20.23	ng	76
59) Acenaphthylene	8.084	152	212650	19.48	ng	99
60) Dimethylphthalate	7.945	163	140021	19.25	ng	99
61) 2,6-Dinitrotoluene	8.004	165	31078	20.23	ng	83
62) Acenaphthene	8.233	153	131174	19.68	ng	99
63) 3-Nitroaniline	8.148	138	36512	19.31	ng	37
64) 2,4-Dinitrophenol	8.244	184	9558	15.44	ng	63
65) Dibenzofuran	8.388	168	177916	18.94	ng	92

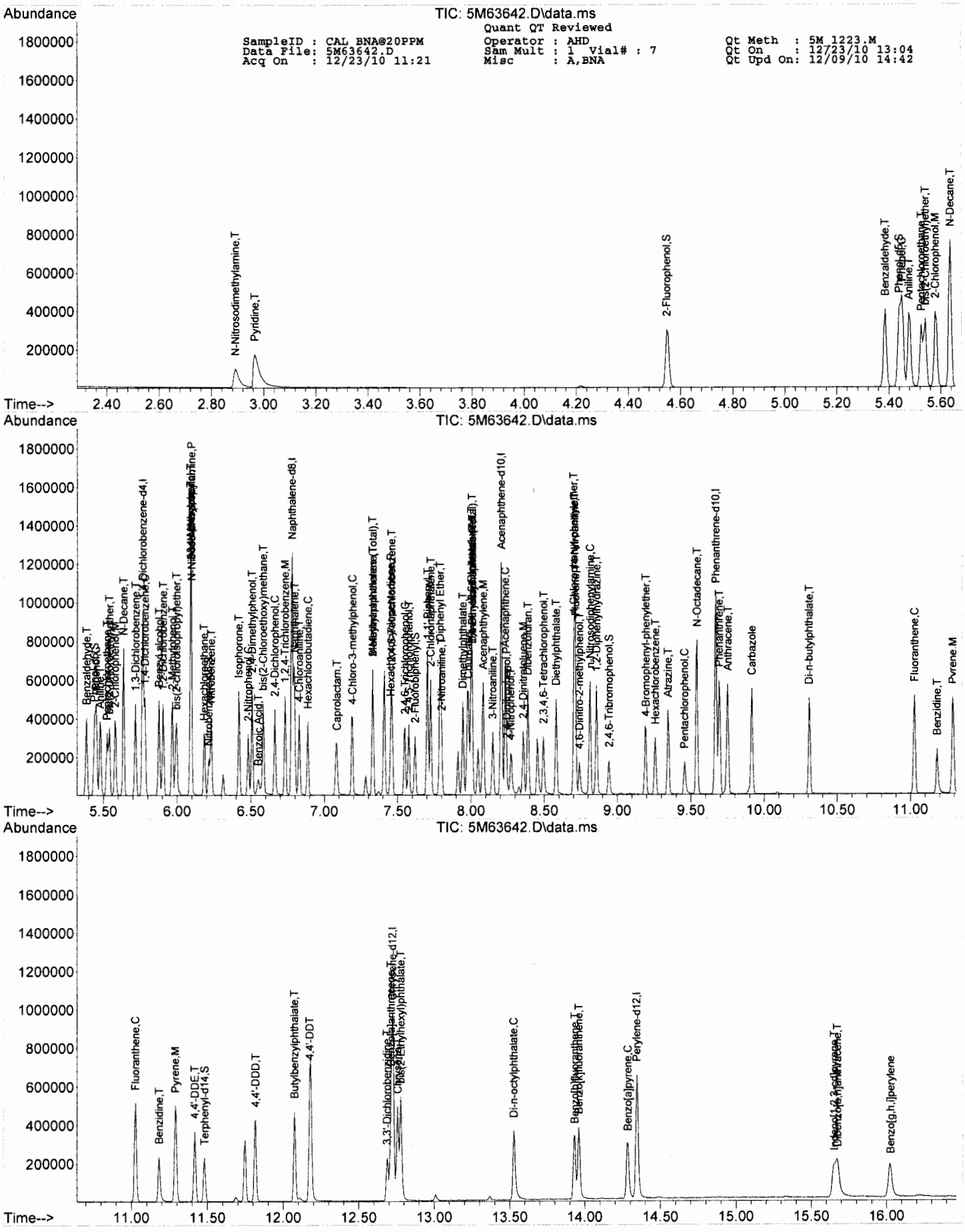
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63642.D Sam Mult : 1 Vial# : 7 Qt On : 12/23/10 13:04
Acq On : 12/23/10 11:21 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.356	165	40621	19.38	ng	94
67)	4-Nitrophenol	8.271	65	33205	18.84	ng	97
68)	2,3,4,6-Tetrachlorophenol	8.495	232	26317	19.00	ng	99
69)	Fluorene	8.714	166	150738	20.05	ng	95
70)	4-Chlorophenyl-phenyle...	8.703	204	58098	18.77	ng	100
71)	Diethylphthalate	8.581	149	150449	19.94	ng	98
72)	4-Nitroaniline	8.709	138	41497	18.96	ng	84
73)	Atrazine	9.345	200	33273	17.36	ng	92
75)	4,6-Dinitro-2-methylph...	8.741	198	16154	18.25	ng	22
76)	n-Nitrosodiphenylamine	8.816	169	122803	20.33	ng	98
78)	1,2-Diphenylhydrazine	8.858	77	204884	21.97	ng	96
79)	4-Bromophenyl-phenylether	9.195	248	26208	18.86	ng	93
80)	Hexachlorobenzene	9.259	284	23854	17.98	ng	99
81)	N-Octadecane	9.542	57	152725	25.20	ng	91
82)	Pentachlorophenol	9.457	266	12284	15.66	ng	93
83)	Phenanthrene	9.692	178	203635	19.91	ng	99
84)	Anthracene	9.751	178	203298	19.51	ng	99
85)	Carbazole	9.916	167	197892	19.33	ng	97
86)	Di-n-butylphthalate	10.306	149	238087	19.84	ng	98
87)	Fluoranthene	11.027	202	183428	18.07	ng	94
89)	Pyrene	11.289	202	194883	20.45	ng	93
90)	Benzidine	11.182	184	80448	17.94	ng	99
92)	4,4'-DDE	11.417	246	30401	19.88	ng	90
93)	4,4'-DDD	11.818	235	61853	20.12	ng	81
94)	Butylbenzylphthalate	12.074	149	96509	20.65	ng	90
95)	4,4'-DDT	12.176	235	48989	19.39	ng	83
96)	3,3'-Dichlorobenzidine	12.689	252	37554	16.13	ng	97
97)	Benzo[a]anthracene	12.715	228	150861	19.17	ng	98
98)	Chrysene	12.758	228	152533	20.29	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.780	149	136154	21.17	ng	99
101)	Di-n-octylphthalate	13.527	149	195636	18.08	ng	99
102)	Benzo[b]fluoranthene	13.933	252	120615	18.31	ng	99
103)	Benzo[k]fluoranthene	13.960	252	135304	20.27	ng	96
104)	Benzo[a]pyrene	14.286	252	114120	18.18	ng	96
105)	Indeno[1,2,3-cd]pyrene	15.654	276	102204	18.22	ng	76
106)	Dibenzo[a,h]anthracene	15.675	278	83971	18.24	ng	84
107)	Benzo[g,h,i]perylene	16.028	276	89213	19.01	ng	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M63642.D
Acq On : 12/23/10 11:21
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:04
Qt Upd On: 12/09/10 14:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
Time-->
Abundance
TIC: 5M63642.D\data.ms
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene M
Time-->
Abundance
TIC: 5M63642.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63640.D Sam Mult : 1 Vial# : 6 Qt On : 12/23/10 13:03
Acq On : 12/23/10 10:34 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	102067	40.00	ng	-0.05
29) Naphthalene-d8	6.780	136	399541	40.00	ng	-0.05
47) Acenaphthene-d10	8.207	164	203246	40.00	ng	-0.05
74) Phenanthrene-d10	9.670	188	334700	40.00	ng	-0.06
88) Chrysene-d12	12.732	240	253341	40.00	ng	-0.06
100) Perylene-d12	14.350	264	213150	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.553	112	270462	73.74	ng	-0.05
Spiked Amount 100.000			Recovery = 73.74%			
15) Phenol-d5	5.445	99	395239	70.85	ng	-0.04
Spiked Amount 100.000			Recovery = 70.85%			
30) Nitrobenzene-d5	6.219	128	66643	37.24	ng	-0.04
Spiked Amount 50.000			Recovery = 74.48%			
52) 2-Fluorobiphenyl	7.619	172	250414	36.56	ng	-0.05
Spiked Amount 50.000			Recovery = 73.12%			
77) 2,4,6-Tribromophenol	8.944	330	33923	64.51	ng	-0.06
Spiked Amount 100.000			Recovery = 64.51%			
91) Terphenyl-d14	11.481	244	195136	37.20	ng	-0.06
Spiked Amount 50.000			Recovery = 74.40%			
Target Compounds						Qvalue
8) Pyridine	2.955	79	362646	65.52	ng	82
9) N-Nitrosodimethylamine	2.891	74	209292	65.88	ng	87
11) Benzaldehyde	5.386	77	158472	60.66	ng	86
12) Aniline	5.482	93	437999	68.70	ng	46
13) Pentachloroethane	5.525	117	95837	79.05	ng	95
14) bis(2-Chloroethyl)ether	5.541	93	300128	72.38	ng	91
16) Phenol	5.455	94	416859	71.34	ng	89
17) 2-Chlorophenol	5.584	128	282260	71.86	ng	91
18) N-Decane	5.637	57	440771	88.11	ng	95
19) 1,3-Dichlorobenzene	5.717	146	290195	71.63	ng	99
20) 1,4-Dichlorobenzene	5.781	146	292989	69.95	ng	96
21) 1,2-Dichlorobenzene	5.904	146	278888	70.75	ng	98
22) Benzyl alcohol	5.877	108	203682	68.82	ng	83
23) bis(2-chloroisopropyl)...	5.995	45	546141	76.84	ng	98
24) 2-Methylphenol	5.968	108	275600	66.09	ng	97
25) Acetophenone	6.096	105	384754	66.04	ng	85
26) Hexachloroethane	6.187	117	122170	75.17	ng	99
27) N-Nitroso-di-n-propyla...	6.096	70	228507	72.53	ng	83
28) 3&4-Methylphenol	6.096	108	276672	65.82	ng	98
31) Nitrobenzene	6.235	77	335928	74.15	ng	87
32) Isophorone	6.422	82	621685	72.32	ng	95
33) 2-Nitrophenol	6.481	139	140578	76.26	ng	82
34) 2,4-Dimethylphenol	6.508	107	287654	70.16	ng	100
35) Benzoic Acid	6.577	105	228077m	92.79	ng	
36) bis(2-Chloroethoxy)met...	6.588	93	372482	75.91	ng	99
37) 2,4-Dichlorophenol	6.668	162	204448	69.59	ng	91
38) 1,2,4-Trichlorobenzene	6.732	180	219032	69.59	ng	98
39) Naphthalene	6.796	128	816523	69.70	ng	99
40) 4-Chloroaniline	6.828	127	298531	73.89	ng	100
41) Hexachlorobutadiene	6.887	225	91356	68.15	ng	97
42) Caprolactam	7.106	113	105208	71.08	ng	67
43) 4-Chloro-3-methylphenol	7.192	107	252345	70.35	ng	96
44) 2-Methylnaphthalene	7.331	142	493096	68.45	ng	99
45) Methylnaphthalenes (To...	7.331	142	493096	68.45	ng	99
46) 1,1'-Biphenyl	7.704	154	651811	69.34	ng	98
48) 1,2,4,5-Tetrachloroben...	7.464	216	194429	71.97	ng	98
49) Hexachlorocyclopentadiene	7.453	237	90322	74.46	ng	93
50) 2,4,6-Trichlorophenol	7.550	196	126855	76.36	ng	99
51) 2,4,5-Trichlorophenol	7.582	196	136569	73.39	ng	96
53) 2-Chloronaphthalene	7.726	162	452773	75.48	ng	96
54) 1,4-Dimethylnaphthalene	8.009	156	369533	75.41	ng	94
55) Dimethylnaphthalenes (...	8.009	156	369533	75.41	ng	94
56) Diphenyl Ether	7.790	170	328254	72.26	ng	92
57) 2-Nitroaniline	7.801	65	233730	83.34	ng	86
58) Coumarin	7.988	146	201118	73.68	ng	78
59) Acenaphthylene	8.084	152	760826	73.21	ng	100
60) Dimethylphthalate	7.950	163	499794	72.14	ng	99
61) 2,6-Dinitrotoluene	8.004	165	111221	76.02	ng	85
62) Acenaphthene	8.239	153	472505	74.44	ng	97
63) 3-Nitroaniline	8.153	138	136431	75.77	ng	39
64) 2,4-Dinitrophenol	8.244	184	58661	82.29	ng	50
65) Dibenzofuran	8.394	168	632242	70.67	ng	88

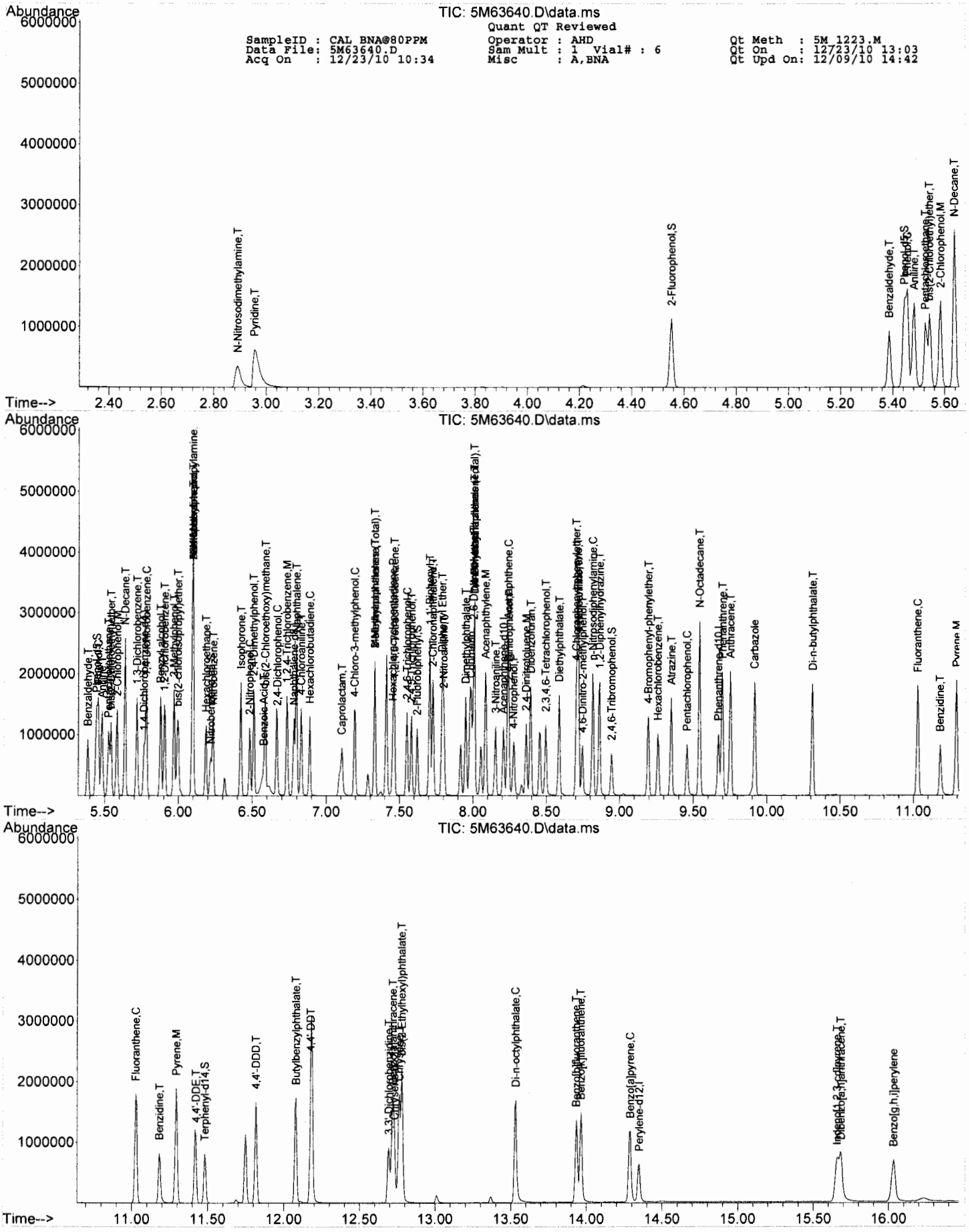
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63640.D Sam Mult : 1 Vial# : 6 Qt On : 12/23/10 13:03
Acq On : 12/23/10 10:34 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.362	165	154590	77.47	ng	91
67)	4-Nitrophenol	8.276	65	133799	79.64	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.495	232	93509	70.90	ng	98
69)	Fluorene	8.714	166	508639	71.05	ng	100
70)	4-Chlorophenyl-phenyle...	8.703	204	199103	67.55	ng	98
71)	Diethylphthalate	8.586	149	527308	73.40	ng	99
72)	4-Nitroaniline	8.720	138	147915	70.99	ng	86
73)	Atrazine	9.350	200	127474	69.83	ng	96
75)	4,6-Dinitro-2-methylph...	8.746	198	78770	80.08	ng	35
76)	n-Nitrosodiphenylamine	8.816	169	433564	74.32	ng	100
78)	1,2-Diphenylhydrazine	8.864	77	724438	80.43	ng	95
79)	4-Bromophenyl-phenylether	9.195	248	96258	71.70	ng	93
80)	Hexachlorobenzene	9.259	284	86240	67.29	ng	96
81)	N-Octadecane	9.542	57	538182	91.94	ng	93
82)	Pentachlorophenol	9.457	266	57554	70.62	ng	94
83)	Phenanthrene	9.697	178	721280	73.01	ng	98
84)	Anthracene	9.751	178	729312	72.45	ng	99
85)	Carbazole	9.916	167	724109	73.23	ng	98
86)	Di-n-butylphthalate	10.312	149	900209	77.66	ng	98
87)	Fluoranthene	11.027	202	694870	70.87	ng	88
89)	Pyrene	11.294	202	718506	76.05	ng	94
90)	Benzidine	11.182	184	292538	73.86	ng	99
92)	4,4'-DDE	11.423	246	115181	76.00	ng	87
93)	4,4'-DDD	11.818	235	232288	76.24	ng	82
94)	Butylbenzylphthalate	12.080	149	390265	84.24	ng	96
95)	4,4'-DDT	12.176	235	190949	76.25	ng	83
96)	3,3'-Dichlorobenzidine	12.694	252	157228	72.89	ng	97
97)	Benzo[a]anthracene	12.721	228	565156	72.44	ng	99
98)	Chrysene	12.764	228	566249	75.98	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.780	149	552958	86.73	ng	98
101)	Di-n-octylphthalate	13.533	149	898952	77.76	ng	99
102)	Benzo[b]fluoranthene	13.934	252	476247	71.30	ng	95
103)	Benzo[k]fluoranthene	13.966	252	502111	74.17	ng	96
104)	Benzo[a]pyrene	14.291	252	464974	73.06	ng	96
105)	Indeno[1,2,3-cd]pyrene	15.659	276	414634	72.91	ng	72
106)	Dibenzo[a,h]anthracene	15.686	278	348255	74.62	ng	90
107)	Benzo[g,h,i]perylene	16.033	276	357396	75.12	ng	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M63640.D
Acq On : 12/23/10 10:34
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:03
Qt Upd On: 12/09/10 14:42
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
TIC: 5M63640.D\data.ms
Abundance
Time-->
Benzaldehyde,T
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Diethylphthalate,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene M
TIC: 5M63640.D\data.ms
Abundance
Time-->
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
4,4'-DDD,T
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM
Data File: 5M63639.D
Acq On : 12/23/10 10:10

Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:03
Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	99002	40.00	ng	-0.05
29) Naphthalene-d8	6.780	136	392519	40.00	ng	-0.05
47) Acenaphthene-d10	8.207	164	195844	40.00	ng	-0.05
74) Phenanthrene-d10	9.670	188	326865	40.00	ng	-0.06
88) Chrysene-d12	12.732	240	254092	40.00	ng	-0.06
100) Perylene-d12	14.350	264	217705	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.553	112	416973	117.20	ng	-0.05
Spiked Amount 100.000			Recovery = 117.20%			
15) Phenol-d5	5.445	99	592305	109.46	ng	-0.04
Spiked Amount 100.000			Recovery = 109.46%			
30) Nitrobenzene-d5	6.219	128	104674	59.54	ng	-0.04
Spiked Amount 50.000			Recovery = 119.08%			
52) 2-Fluorobiphenyl	7.619	172	378066	57.28	ng	-0.05
Spiked Amount 50.000			Recovery = 114.56%			
77) 2,4,6-Tribromophenol	8.949	330	51943	100.91	ng	-0.05
Spiked Amount 100.000			Recovery = 100.91%			
91) Terphenyl-d14	11.487	244	303726	57.73	ng	-0.05
Spiked Amount 50.000			Recovery = 115.46%			
Target Compounds						Qvalue
8) Pyridine	2.955	79	552080	102.83	ng	84
9) N-Nitrosodimethylamine	2.891	74	316670	102.76	ng	84
11) Benzaldehyde	5.386	77	162693	65.60	ng	85
12) Aniline	5.482	93	660557	106.82	ng	44
13) Pentachloroethane	5.525	117	145689	123.88	ng	95
14) bis(2-Chloroethyl)ether	5.546	93	458069	113.90	ng	88
16) Phenol	5.461	94	589807	104.07	ng	86
17) 2-Chlorophenol	5.584	128	425737	111.75	ng	92
18) N-Decane	5.637	57	653399	134.65	ng	95
19) 1,3-Dichlorobenzene	5.717	146	427482	108.78	ng	99
20) 1,4-Dichlorobenzene	5.781	146	443464	109.16	ng	95
21) 1,2-Dichlorobenzene	5.910	146	414757	108.48	ng	98
22) Benzyl alcohol	5.883	108	312068	108.70	ng	76
23) bis(2-chloroisopropyl)...	5.995	45	828345	120.15	ng	95
24) 2-Methylphenol	5.974	108	423527	104.71	ng	95
25) Acetophenone	6.097	105	558778	98.88	ng	91
26) Hexachloroethane	6.187	117	182783	115.95	ng	99
27) N-Nitroso-di-n-propyla...	6.102	70	329524	107.83	ng	81
28) 3&4-Methylphenol	6.097	108	397736	97.55	ng	96
31) Nitrobenzene	6.235	77	515119	115.74	ng	89
32) Isophorone	6.422	82	933505	110.54	ng	97
33) 2-Nitrophenol	6.487	139	223956	123.67	ng	91
34) 2,4-Dimethylphenol	6.513	107	445284	110.55	ng	99
35) Benzoic Acid	6.593	105	360853m	124.24	ng	
36) bis(2-Chloroethoxy)met...	6.588	93	546589	113.39	ng	99
37) 2,4-Dichlorophenol	6.668	162	311224	107.83	ng	92
38) 1,2,4-Trichlorobenzene	6.738	180	336700	108.90	ng	99
39) Naphthalene	6.796	128	1219752	105.99	ng	100
40) 4-Chloroaniline	6.828	127	409326	103.12	ng	99
41) Hexachlorobutadiene	6.887	225	133035	101.01	ng	97
42) Caprolactam	7.117	113	163739	112.60	ng	67
43) 4-Chloro-3-methylphenol	7.197	107	383883	108.94	ng	92
44) 2-Methylnaphthalene	7.331	142	745439	105.33	ng	99
45) Methylnaphthalenes (To...	7.331	142	745439	105.33	ng	99
46) 1,1'-Biphenyl	7.705	154	962617	104.24	ng	99
48) 1,2,4,5-Tetrachloroben...	7.464	216	282322	108.46	ng	99
49) Hexachlorocyclopentadiene	7.453	237	139901	119.68	ng	94
50) 2,4,6-Trichlorophenol	7.550	196	195497	122.13	ng	98
51) 2,4,5-Trichlorophenol	7.582	196	213457	119.04	ng	96
53) 2-Chloronaphthalene	7.731	162	678304	117.36	ng	95
54) 1,4-Dimethylnaphthalene	8.009	156	531977	112.66	ng	95
55) Dimethylnaphthalenes (...	8.009	156	531977	112.66	ng	95
56) Diphenyl Ether	7.790	170	483339	110.42	ng	92
57) 2-Nitroaniline	7.806	65	349070	129.17	ng	79
58) Coumarin	7.993	146	304960	115.95	ng	77
59) Acenaphthylene	8.089	152	1152892	115.12	ng	99
60) Dimethylphthalate	7.956	163	750568	112.44	ng	99
61) 2,6-Dinitrotoluene	8.009	165	160357	113.74	ng	84
62) Acenaphthene	8.239	153	695151	113.66	ng	97
63) 3-Nitroaniline	8.153	138	194050	111.84	ng	35
64) 2,4-Dinitrophenol	8.244	184	99668	129.34	ng	36
65) Dibenzofuran	8.394	168	937384	108.75	ng	90

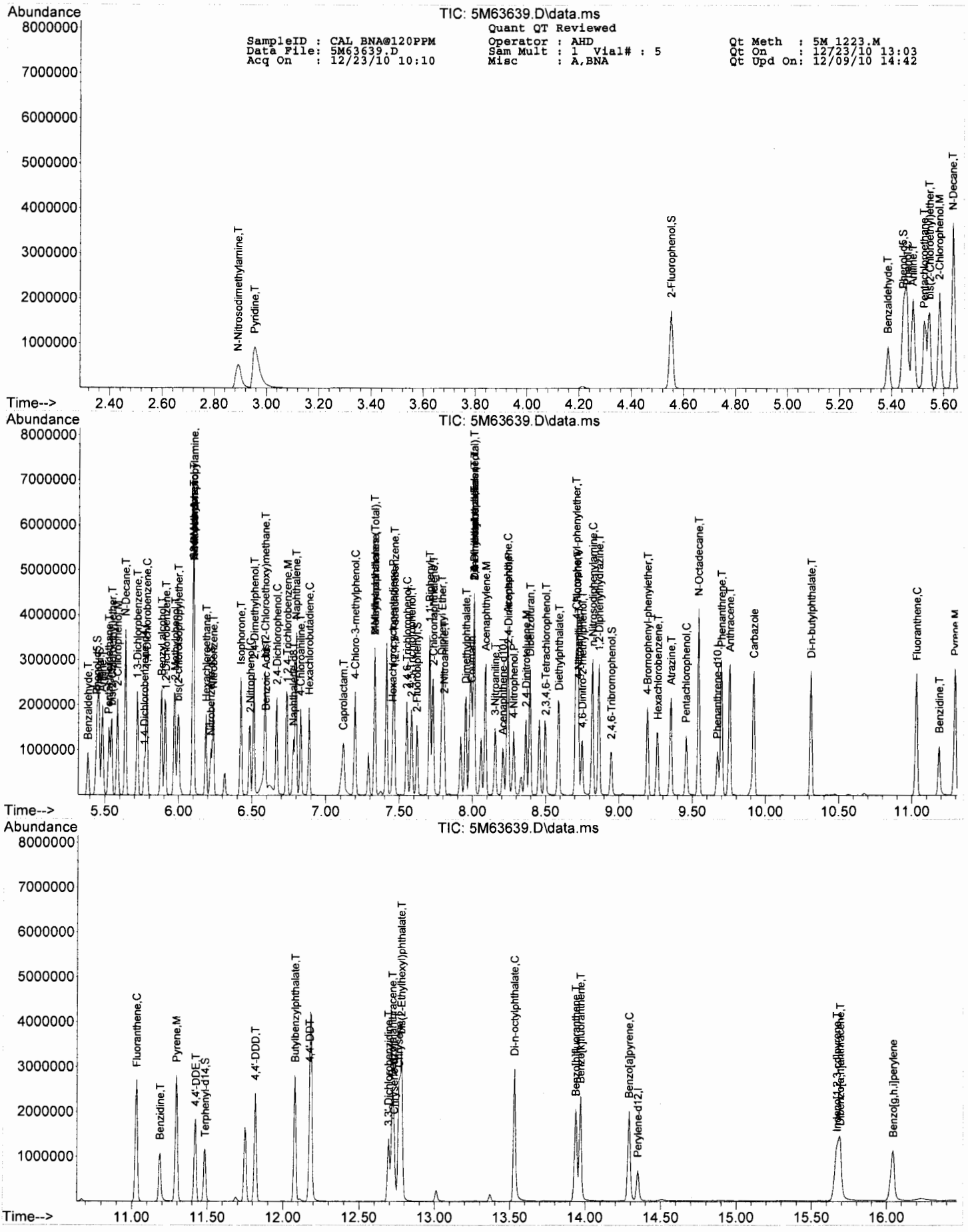
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63639.D Sam Mult : 1 Vial# : 5 Qt On : 12/23/10 13:03
Acq On : 12/23/10 10:10 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.367	165	237542	123.54	ng	83
67) 4-Nitrophenol	8.281	65	205756	127.00	ng	98
68) 2,3,4,6-Tetrachlorophenol	8.501	232	147196	115.82	ng	98
69) Fluorene	8.714	166	742462	107.63	ng	96
70) 4-Chlorophenyl-phenyle...	8.709	204	294176	103.58	ng	97
71) Diethylphthalate	8.591	149	791870	114.40	ng	99
72) 4-Nitroaniline	8.725	138	225699	112.41	ng	87
73) Atrazine	9.355	200	194214	110.42	ng	98
75) 4,6-Dinitro-2-methylph...	8.752	198	126797	121.38	ng	38
76) n-Nitrosodiphenylamine	8.821	169	658730	115.62	ng	99
78) 1,2-Diphenylhydrazine	8.864	77	1087584	123.64	ng	96
79) 4-Bromophenyl-phenylether	9.195	248	141456	107.90	ng	89
80) Hexachlorobenzene	9.264	284	127634	101.97	ng	93
81) N-Octadecane	9.542	57	797599	139.52	ng	93
82) Pentachlorophenol	9.457	266	93392	111.53	ng	95
83) Phenanthrene	9.697	178	1078829	111.82	ng	99
84) Anthracene	9.756	178	1098986	111.80	ng	99
85) Carbazole	9.922	167	1096350	113.54	ng	98
86) Di-n-butylphthalate	10.312	149	1359410	120.08	ng	98
87) Fluoranthene	11.033	202	1063446	111.06	ng	95
89) Pyrene	11.295	202	1108919	117.03	ng	92
90) Benzidine	11.188	184	400604	109.33	ng	95
92) 4,4'-DDE	11.423	246	174436	114.75	ng	88
93) 4,4'-DDD	11.818	235	355591	116.36	ng	81
94) Butylbenzylphthalate	12.080	149	608936	131.05	ng	94
95) 4,4'-DDT	12.176	235	287574	114.50	ng	83
96) 3,3'-Dichlorobenzidine	12.694	252	235723	114.90	ng	97
97) Benzo[a]anthracene	12.721	228	899014	114.89	ng	100
98) Chrysene	12.764	228	862896	115.45	ng	98
99) bis(2-Ethylhexyl)phtha...	12.780	149	850477	133.00	ng	99
101) Di-n-octylphthalate	13.533	149	1442992	118.16	ng	99
102) Benzo[b]fluoranthene	13.939	252	771750	113.13	ng	95
103) Benzo[k]fluoranthene	13.971	252	775689	112.19	ng	96
104) Benzo[a]pyrene	14.292	252	763908	117.52	ng	94
105) Indeno[1,2,3-cd]pyrene	15.670	276	691234	119.00	ng	66
106) Dibenzo[a,h]anthracene	15.691	278	582012	122.09	ng	89
107) Benzo[g,h,i]perylene	16.044	276	579571	119.27	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M63639.D
Acq On : 12/23/10 10:10
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/23/10 13:03
Qt Upd On: 12/09/10 14:42
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63638.D Sam Mult : 1 Vial# : 4 Qt On : 12/23/10 13:01
Acq On : 12/23/10 09:47 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	103004	40.00	ng	-0.05
29) Naphthalene-d8	6.780	136	403852	40.00	ng	-0.05
47) Acenaphthene-d10	8.207	164	204662	40.00	ng	-0.05
74) Phenanthrene-d10	9.670	188	330406	40.00	ng	-0.06
88) Chrysene-d12	12.737	240	246034	40.00	ng	-0.05
100) Perylene-d12	14.350	264	209830	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.553	112	566750	153.11	ng	-0.05
Spiked Amount 100.000			Recovery	=	153.11%	
15) Phenol-d5	5.450	99	806946	143.33	ng	-0.04
Spiked Amount 100.000			Recovery	=	143.33%	
30) Nitrobenzene-d5	6.219	128	141617	78.29	ng	-0.04
Spiked Amount 50.000			Recovery	=	156.58%	
52) 2-Fluorobiphenyl	7.619	172	515906	74.80	ng	-0.05
Spiked Amount 50.000			Recovery	=	149.60%	
77) 2,4,6-Tribromophenol	8.949	330	70938	136.03	ng	-0.05
Spiked Amount 100.000			Recovery	=	136.03%	
91) Terphenyl-d14	11.487	244	395651	77.66	ng	-0.05
Spiked Amount 50.000			Recovery	=	155.32%	
Target Compounds						Qvalue
8) Pyridine	2.950	79	756572	135.44	ng	84
9) N-Nitrosodimethylamine	2.891	74	444839	138.75	ng	83
11) Benzaldehyde	5.386	77	174785	68.67	ng	88
12) Aniline	5.482	93	869335	135.12	ng	44
13) Pentachloroethane	5.525	117	199198	162.80	ng	95
14) bis(2-Chloroethyl)ether	5.546	93	610003	145.78	ng	88
16) Phenol	5.461	94	853117	144.68	ng	89
17) 2-Chlorophenol	5.584	128	583588	147.23	ng	93
18) N-Decane	5.637	57	851637	168.69	ng	94
19) 1,3-Dichlorobenzene	5.717	146	582475	142.46	ng	99
20) 1,4-Dichlorobenzene	5.781	146	588246	139.17	ng	96
21) 1,2-Dichlorobenzene	5.910	146	563250	141.60	ng	98
22) Benzyl alcohol	5.883	108	418824	140.22	ng	80
23) bis(2-chloroisopropyl)...	5.995	45	1105628	154.14	ng	96
24) 2-Methylphenol	5.974	108	565466	134.37	ng	96
25) Acetophenone	6.102	105	705006	119.92	ng	86
26) Hexachloroethane	6.187	117	246023	150.00	ng	97
27) N-Nitroso-di-n-propyla...	6.102	70	421170	132.46	ng	81
28) 3&4-Methylphenol	6.102	108	497645	117.32	ng	96
31) Nitrobenzene	6.235	77	700847	153.06	ng	91
32) Isophorone	6.428	82	1263037	145.37	ng	94
33) 2-Nitrophenol	6.487	139	299369	160.68	ng	89
34) 2,4-Dimethylphenol	6.513	107	586959	141.63	ng	99
35) Benzoic Acid	6.599	105	496344m	147.60	ng	
36) bis(2-Chloroethoxy)met...	6.588	93	725416	146.26	ng	99
37) 2,4-Dichlorophenol	6.668	162	409624	137.94	ng	95
38) 1,2,4-Trichlorobenzene	6.738	180	435156	136.79	ng	100
39) Naphthalene	6.796	128	1634694	138.06	ng	99
40) 4-Chloroaniline	6.828	127	479795	117.48	ng	99
41) Hexachlorobutadiene	6.887	225	179633	132.57	ng	96
42) Caprolactam	7.128	113	216088	144.43	ng	67
43) 4-Chloro-3-methylphenol	7.197	107	507326	139.93	ng	93
44) 2-Methylnaphthalene	7.331	142	983456	135.06	ng	99
45) Methylnaphthalenes (To...	7.331	142	983456	135.06	ng	99
46) 1,1'-Biphenyl	7.710	154	1248944	131.45	ng	96
48) 1,2,4,5-Tetrachloroben...	7.464	216	364154	133.87	ng	99
49) Hexachlorocyclopentadiene	7.459	237	185031	151.47	ng	95
50) 2,4,6-Trichlorophenol	7.555	196	262079	156.67	ng	100
51) 2,4,5-Trichlorophenol	7.587	196	273467	145.94	ng	98
53) 2-Chloronaphthalene	7.731	162	879617	145.63	ng	95
54) 1,4-Dimethylnaphthalene	8.014	156	688603	139.55	ng	94
55) Dimethylnaphthalenes (...	8.014	156	688603	139.55	ng	94
56) Diphenyl Ether	7.795	170	639453	139.79	ng	85
57) 2-Nitroaniline	7.806	65	456725	161.73	ng	80
58) Coumarin	7.993	146	390990	142.25	ng	76
59) Acenaphthylene	8.089	152	1505138	143.82	ng	99
60) Dimethylphthalate	7.956	163	968694	138.86	ng	100
61) 2,6-Dinitrotoluene	8.009	165	198641	134.82	ng	89
62) Acenaphthene	8.239	153	901829	141.10	ng	99
63) 3-Nitroaniline	8.159	138	237430	130.94	ng	39
64) 2,4-Dinitrophenol	8.249	184	135722	158.06	ng	68
65) Dibenzofuran	8.394	168	1225468	136.04	ng	90

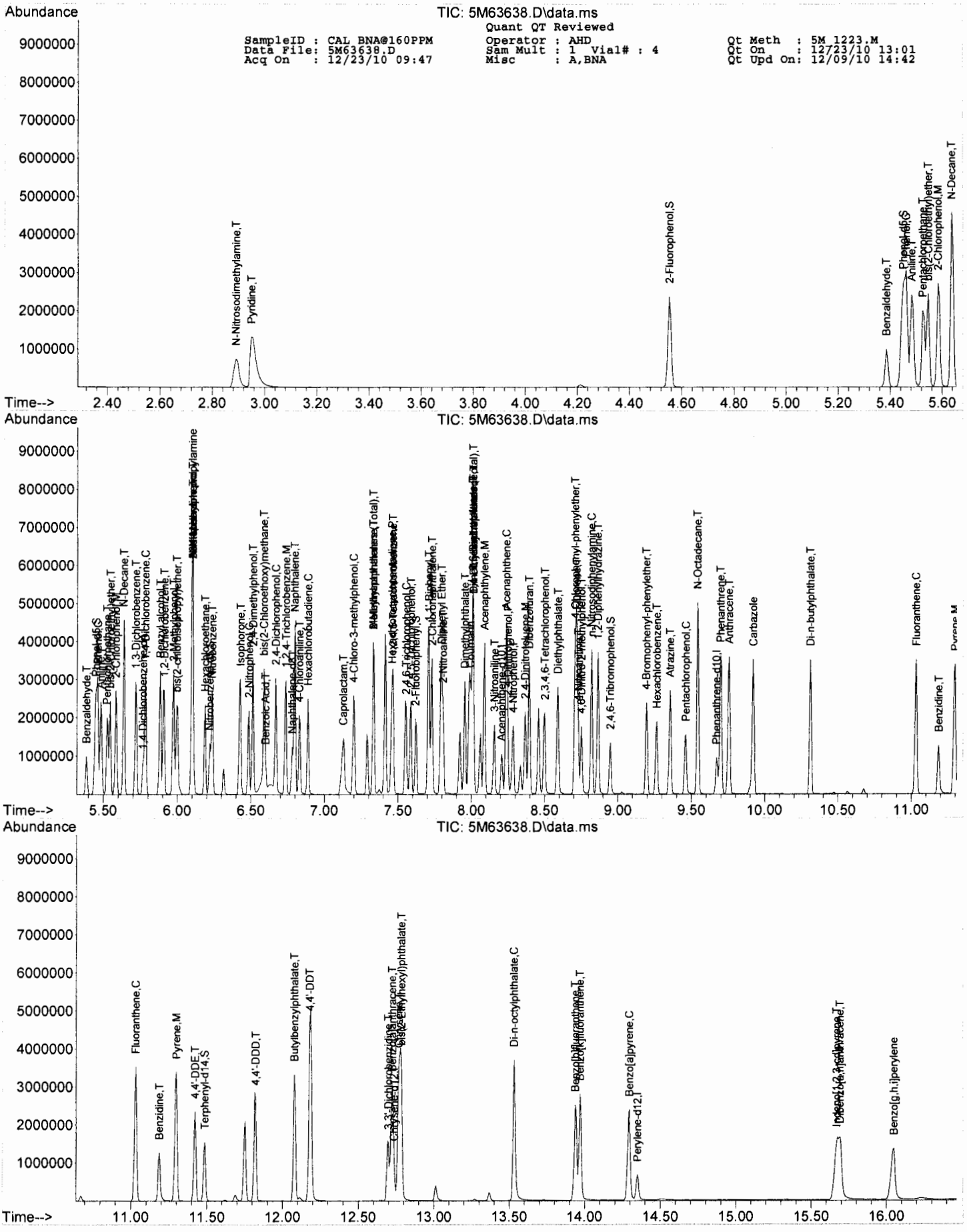
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63638.D Sam Mult : 1 Vial# : 4 Qt On : 12/23/10 13:01
Acq On : 12/23/10 09:47 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.367	165	312627	155.59	ng	90
67)	4-Nitrophenol	8.287	65	277954	164.08	ng	95
68)	2,3,4,6-Tetrachlorophenol	8.501	232	193023	145.33	ng	98
69)	Fluorene	8.720	166	949258	131.68	ng	99
70)	4-Chlorophenyl-phenyle...	8.709	204	379678	127.93	ng	98
71)	Diethylphthalate	8.591	149	1052155	145.45	ng	99
72)	4-Nitroaniline	8.730	138	299913	142.93	ng	86
73)	Atrazine	9.355	200	247466	134.63	ng	97
75)	4,6-Dinitro-2-methylph...	8.752	198	173280	154.23	ng	30
76)	n-Nitrosodiphenylamine	8.821	169	830646	144.24	ng	99
78)	1,2-Diphenylhydrazine	8.864	77	1408343	158.38	ng	97
79)	4-Bromophenyl-phenylether	9.195	248	189091	142.68	ng	89
80)	Hexachlorobenzene	9.264	284	172551	136.38	ng	93
81)	N-Octadecane	9.542	57	1024400	177.27	ng	91
82)	Pentachlorophenol	9.462	266	121403	138.84	ng	94
83)	Phenanthrene	9.697	178	1380360	141.55	ng	99
84)	Anthracene	9.756	178	1407453	141.64	ng	100
85)	Carbazole	9.922	167	1400344	143.46	ng	98
86)	Di-n-butylphthalate	10.312	149	1761301	153.91	ng	99
87)	Fluoranthene	11.033	202	1382294	142.82	ng	92
89)	Pyrene	11.300	202	1435448	156.45	ng	98
90)	Benzidine	11.188	184	475188	147.10	ng	96
92)	4,4'-DDE	11.423	246	223292	151.70	ng	88
93)	4,4'-DDD	11.823	235	450089	152.11	ng	82
94)	Butylbenzylphthalate	12.080	149	765964	170.24	ng	93
95)	4,4'-DDT	12.181	235	359956	148.01	ng	82
96)	3,3'-Dichlorobenzidine	12.700	252	282282	148.62	ng	99
97)	Benzo[a]anthracene	12.726	228	1114863	147.14	ng	99
98)	Chrysene	12.769	228	1068381	147.62	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.785	149	1063401	171.75	ng	99
101)	Di-n-octylphthalate	13.533	149	1891907	155.90	ng	99
102)	Benzo[b]fluoranthene	13.939	252	987803	150.23	ng	94
103)	Benzo[k]fluoranthene	13.971	252	988855	148.38	ng	96
104)	Benzo[a]pyrene	14.297	252	955978	152.59	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.670	276	886902	158.42	ng	69
106)	Dibenzo[a,h]anthracene	15.691	278	736326	160.26	ng	87
107)	Benzo[g,h,i]perylene	16.049	276	739348	157.86	ng	77

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


Abundance
TIC: 5M63638.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M63638.D
Acq On : 12/23/10 09:47
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12723/10 13:01
Qt Upd On: 12/09/10 14:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
Time-->

Abundance
TIC: 5M63638.D\data.ms
Time-->

Abundance
TIC: 5M63638.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM
Data File: 5M63637.D
Acq On : 12/23/10 09:23

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 5M_1223.M
Qt On : 12/23/10 12:48
Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.771	152	108761	40.00	ng	-0.04
29) Naphthalene-d8	6.780	136	419806	40.00	ng	-0.05
47) Acenaphthene-d10	8.212	164	211886	40.00	ng	-0.05
74) Phenanthrene-d10	9.676	188	341955	40.00	ng	-0.05
88) Chrysene-d12	12.737	240	240598	40.00	ng	-0.05
100) Perylene-d12	14.350	264	202950	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.553	112	724113	185.27	ng	-0.05
Spiked Amount 100.000			Recovery = 185.27%			
15) Phenol-d5	5.450	99	1036778	174.41	ng	-0.04
Spiked Amount 100.000			Recovery = 174.41%			
30) Nitrobenzene-d5	6.225	128	179222	95.31	ng	-0.04
Spiked Amount 50.000			Recovery = 190.62%			
52) 2-Fluorobiphenyl	7.624	172	663447	92.91	ng	-0.04
Spiked Amount 50.000			Recovery = 185.82%			
77) 2,4,6-Tribromophenol	8.955	330	90735	167.77	ng	-0.05
Spiked Amount 100.000			Recovery = 167.77%			
91) Terphenyl-d14	11.487	244	506191	101.60	ng	-0.05
Spiked Amount 50.000			Recovery = 203.20%			
Target Compounds						Qvalue
8) Pyridine	2.950	79	975658	165.42	ng	83
9) N-Nitrosodimethylamine	2.896	74	571769	168.90	ng	82
11) Benzaldehyde	5.386	77	181538	67.07	ng	86
12) Aniline	5.487	93	1114743	164.10	ng	45
13) Pentachloroethane	5.530	117	248915	192.67	ng	95
14) bis(2-Chloroethyl)ether	5.546	93	771626	174.65	ng	92
16) Phenol	5.466	94	1078510	173.22	ng	88
17) 2-Chlorophenol	5.589	128	736051	175.87	ng	89
18) N-Decane	5.637	57	1055880	198.07	ng	95
19) 1,3-Dichlorobenzene	5.722	146	728459	168.73	ng	97
20) 1,4-Dichlorobenzene	5.781	146	750443	168.15	ng	97
21) 1,2-Dichlorobenzene	5.909	146	702204	167.18	ng	98
22) Benzyl alcohol	5.883	108	531504	168.53	ng	82
23) bis(2-chloroisopropyl)...	6.000	45	1421809	187.72	ng	95
24) 2-Methylphenol	5.974	108	743337	167.29	ng	97
25) Acetophenone	6.102	105	848220	136.64	ng	90
26) Hexachloroethane	6.187	117	314592	181.65	ng	95
27) N-Nitroso-di-n-propyla...	6.107	70	523721	155.99	ng	80
28) 3&4-Methylphenol	6.102	108	599702	133.89	ng	96
31) Nitrobenzene	6.241	77	876725	184.19	ng	88
32) Isophorone	6.428	82	1630193	180.49	ng	97
33) 2-Nitrophenol	6.486	139	386882	199.76	ng	87
34) 2,4-Dimethylphenol	6.513	107	756935	175.71	ng	98
35) Benzoic Acid	6.609	105	654440m	169.51	ng	
36) bis(2-Chloroethoxy)met...	6.593	93	918827	178.21	ng	99
37) 2,4-Dichlorophenol	6.673	162	525740	170.31	ng	92
38) 1,2,4-Trichlorobenzene	6.737	180	548339	165.82	ng	100
39) Naphthalene	6.802	128	2056196	167.06	ng	99
40) 4-Chloroaniline	6.834	127	539721	127.13	ng	99
41) Hexachlorobutadiene	6.887	225	228188	162.00	ng	96
42) Caprolactam	7.138	113	274147	176.28	ng	66
43) 4-Chloro-3-methylphenol	7.202	107	657462	174.44	ng	91
44) 2-Methylnaphthalene	7.336	142	1252088	165.41	ng	95
45) Methylnaphthalenes (To...	7.336	142	1252088	165.41	ng	95
46) 1,1'-Biphenyl	7.710	154	1561004	158.04	ng	97
48) 1,2,4,5-Tetrachloroben...	7.469	216	447963	159.06	ng	100
49) Hexachlorocyclopentadiene	7.459	237	235101	185.90	ng	94
50) 2,4,6-Trichlorophenol	7.555	196	332153	191.79	ng	97
51) 2,4,5-Trichlorophenol	7.587	196	364546	187.91	ng	97
53) 2-Chloronaphthalene	7.731	162	1125466	179.98	ng	97
54) 1,4-Dimethylnaphthalene	8.014	156	841670	164.75	ng	99
55) Dimethylnaphthalenes (...	8.014	156	841670	164.75	ng	99
56) Diphenyl Ether	7.795	170	810673	171.17	ng	88
57) 2-Nitroaniline	7.806	65	581165	198.78	ng	86
58) Coumarin	7.998	146	481894	169.35	ng	77
59) Acenaphthylene	8.089	152	1920404	177.24	ng	100
60) Dimethylphthalate	7.961	163	1243057	172.11	ng	99
61) 2,6-Dinitrotoluene	8.014	165	243364	159.55	ng	88
62) Acenaphthene	8.244	153	1097494	165.86	ng	97
63) 3-Nitroaniline	8.159	138	300673	160.17	ng	37
64) 2,4-Dinitrophenol	8.255	184	172479	183.78	ng	76
65) Dibenzofuran	8.399	168	1549327	166.13	ng	91

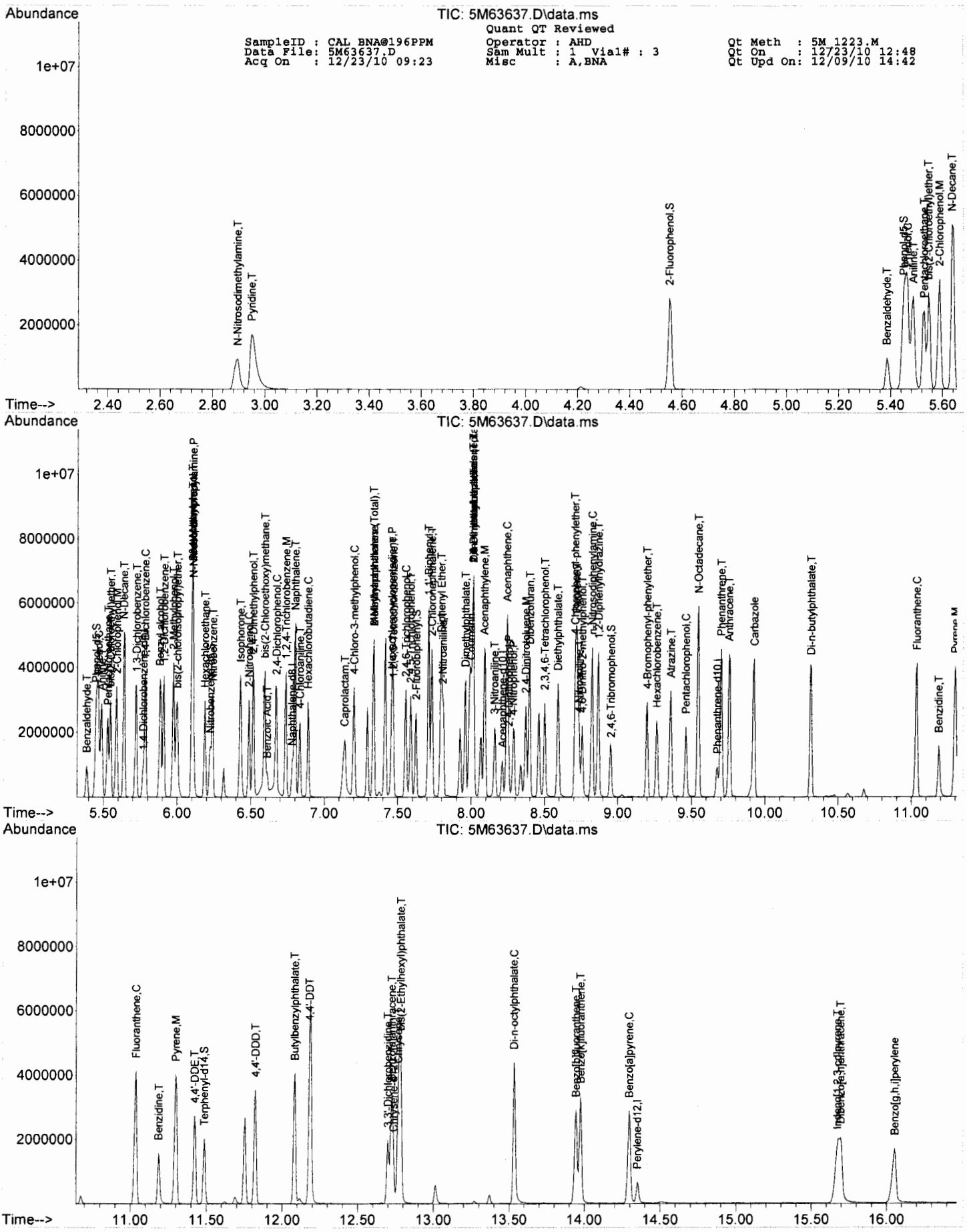
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63637.D Sam Mult : 1 Vial# : 3 Qt On : 12/23/10 12:48
Acq On : 12/23/10 09:23 Misc : A,BNA Qt Upd On: 12/09/10 14:42

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.372	165	395023	189.89 ng	90
67) 4-Nitrophenol	8.287	65	354468	201.99 ng	100
68) 2,3,4,6-Tetrachlorophenol	8.500	232	244461	177.79 ng	97
69) Fluorene	8.719	166	1168500	156.56 ng	99
70) 4-Chlorophenyl-phenyle...	8.709	204	469797	152.90 ng	98
71) Diethylphthalate	8.591	149	1344968	179.59 ng	99
72) 4-Nitroaniline	8.735	138	378965	174.45 ng	87
73) Atrazine	9.361	200	317067	166.61 ng	99
75) 4,6-Dinitro-2-methylph...	8.757	198	221627	181.54 ng	34
76) n-Nitrosodiphenylamine	8.826	169	1076004	180.53 ng	98
78) 1,2-Diphenylhydrazine	8.869	77	1834427	199.34 ng	95
79) 4-Bromophenyl-phenylether	9.200	248	238960	174.23 ng	94
80) Hexachlorobenzene	9.264	284	217882	166.39 ng	98
81) N-Octadecane	9.547	57	1275451	213.26 ng	89
82) Pentachlorophenol	9.462	266	160364	170.80 ng	98
83) Phenanthrene	9.702	178	1746353	173.03 ng	98
84) Anthracene	9.756	178	1781293	173.21 ng	99
85) Carbazole	9.927	167	1787858	176.98 ng	97
86) Di-n-butylphthalate	10.317	149	2246761	189.71 ng	98
87) Fluoranthene	11.038	202	1721851	171.89 ng	93
89) Pyrene	11.300	202	1756608	195.78 ng	95
90) Benzidine	11.188	184	576720	244.99 ng	99
92) 4,4'-DDE	11.423	246	275203	191.19 ng	88
93) 4,4'-DDD	11.823	235	568731	196.55 ng	83
94) Butylbenzylphthalate	12.085	149	963266	218.93 ng	94
95) 4,4'-DDT	12.181	235	434881	182.86 ng	83
96) 3,3'-Dichlorobenzidine	12.699	252	325744	184.33 ng	97
97) Benzo[a]anthracene	12.726	228	1366468	184.42 ng	99
98) Chrysene	12.769	228	1282745	181.24 ng	98
99) bis(2-Ethylhexyl)phtha...	12.785	149	1289232	212.92 ng	100
101) Di-n-octylphthalate	13.533	149	2346476	194.02 ng	99
102) Benzo[b]fluoranthene	13.944	252	1226502	192.86 ng	95
103) Benzo[k]fluoranthene	13.976	252	1154244	179.07 ng	97
104) Benzo[a]pyrene	14.297	252	1167272	192.64 ng	95
105) Indeno[1,2,3-cd]pyrene	15.675	276	1080281	199.50 ng	67
106) Dibenzo[a,h]anthracene	15.696	278	903260	203.26 ng	85
107) Benzo[g,h,i]perylene	16.054	276	912484	201.43 ng	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 5M63637.D
Acq On : 12/23/10 09:23
Operator : AHD
Sam Mult : 1 Via1# : 3
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12723/10 12:48
Qt Upd On: 12/09/10 14:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
Time-->
Abundance
TIC: 5M63637.D\data.ms
Benzaldehyde,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene M
Time-->
Abundance
TIC: 5M63637.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63647.D Sam Mult : 1 Vial# : 9 Qt On : 12/23/10 14:09
Acq On : 12/23/10 13:52 Misc : A,BNA Qt Upd On: 12/23/10 13:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.770	152	99035	40.00 ng	0.00
29) Naphthalene-d8	6.780	136	382543	40.00 ng	0.00
47) Acenaphthene-d10	8.207	164	187039	40.00 ng	0.00
74) Phenanthrene-d10	9.670	188	312773	40.00 ng	0.00
88) Chrysene-d12	12.731	240	233615	40.00 ng	0.00
100) Perylene-d12	14.350	264	196411	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
15) Phenol-d5	5.439	99	2188	0.45 ng	0.00
Spiked Amount 100.000			Recovery	= 0.45%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
91) Terphenyl-d14	11.487	244	1193	0.25 ng	0.00
Spiked Amount 50.000			Recovery	= 0.50%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.968	108	1564m	0.45 ng	
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	6.091	108	1761	0.53 ng	97
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.508	107	1592	0.45 ng	97
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.796	128	5908	0.57 ng	98
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D. d	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.393	168	4621	0.61 ng	85

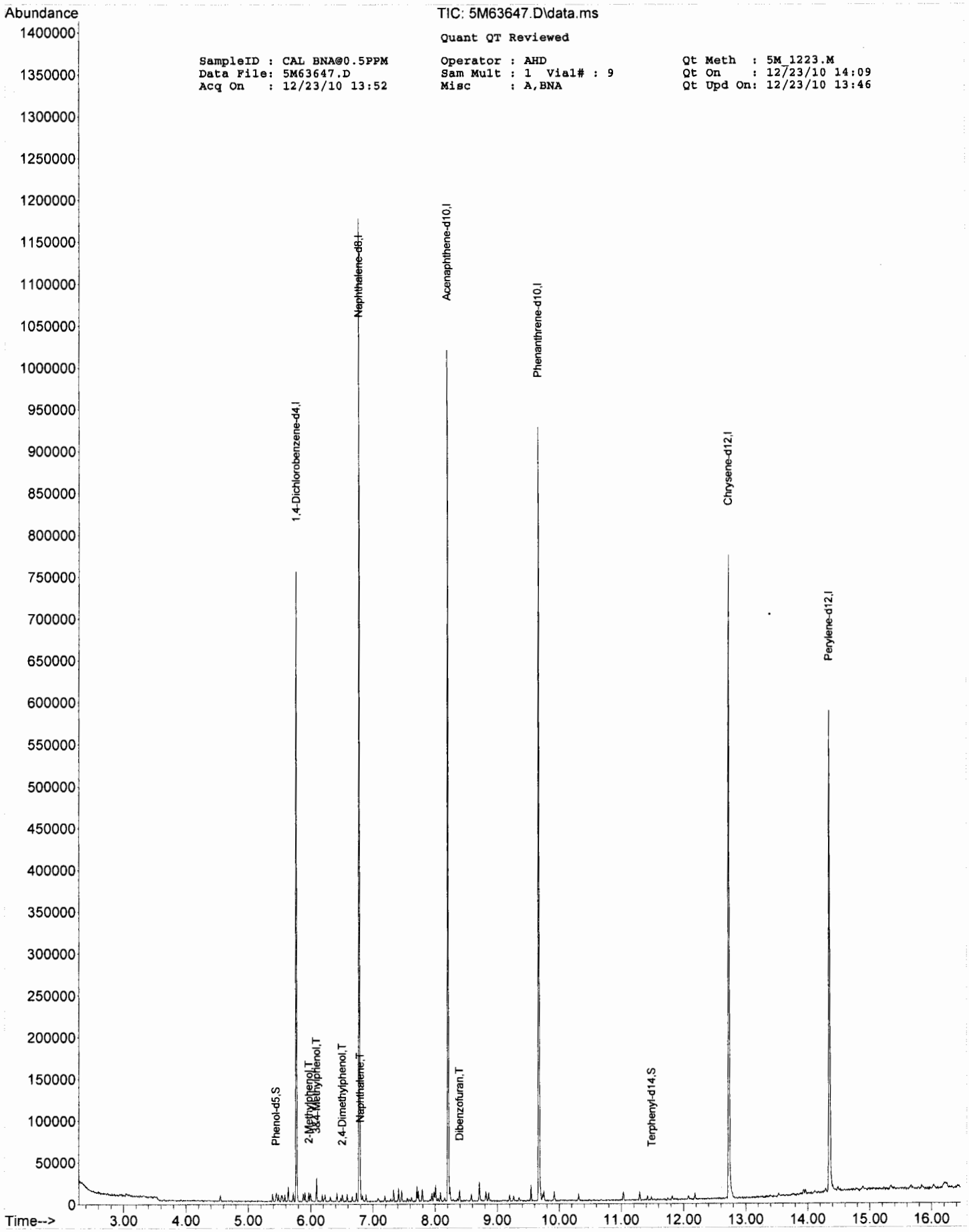
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63647.D Sam Mult : 1 Vial# : 9 Qt On : 12/23/10 14:09
Acq On : 12/23/10 13:52 Misc : A,BNA Qt Upd On: 12/23/10 13:46

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D. d	
67)	4-Nitrophenol	0.000		0	N.D. d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
69)	Fluorene	0.000		0	N.D. d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D. d	
71)	Diethylphthalate	0.000		0	N.D. d	
72)	4-Nitroaniline	0.000		0	N.D. d	
73)	Atrazine	0.000		0	N.D. d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.	
76)	n-Nitrosodiphenylamine	0.000		0	N.D. d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D. d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D. d	
80)	Hexachlorobenzene	0.000		0	N.D. d	
81)	N-Octadecane	0.000		0	N.D. d	
82)	Pentachlorophenol	0.000		0	N.D.	
83)	Phenanthrene	0.000		0	N.D. d	
84)	Anthracene	0.000		0	N.D. d	
85)	Carbazole	0.000		0	N.D. d	
86)	Di-n-butylphthalate	0.000		0	N.D. d	
87)	Fluoranthene	0.000		0	N.D. d	
89)	Pyrene	0.000		0	N.D. d	
90)	Benzidine	0.000		0	N.D. d	
92)	4,4'-DDE	0.000		0	N.D. d	
93)	4,4'-DDD	0.000		0	N.D. d	
94)	Butylbenzylphthalate	0.000		0	N.D. d	
95)	4,4'-DDT	0.000		0	N.D. d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D. d	
97)	Benzo[a]anthracene	0.000		0	N.D. d	
98)	Chrysene	0.000		0	N.D. d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D. d	
101)	Di-n-octylphthalate	0.000		0	N.D. d	
102)	Benzo[b]fluoranthene	0.000		0	N.D. d	
103)	Benzo[k]fluoranthene	0.000		0	N.D. d	
104)	Benzo[a]pyrene	0.000		0	N.D. d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D. d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D. d	

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


Abundance
TIC: 5M63647.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 5M63647.D
Acq On : 12/23/10 13:52
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/23/10 14:09
Qt Upd On: 12/23/10 13:46
1400000
1350000
1300000
1250000
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Time-->
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13.00
14.00
15.00
16.00
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
Phenol-d5,S
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Terphenyl-d14,S

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M31336.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/29/2010 10:14:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.28	40.00	40				0.000	0.00	
Pyridine	1	0		2.19	51.53	50			1.355	1.538	3.06	
N-Nitrosodimethylamine	1	0		2.15	57.62	50			0.816	0.941	15.24	
2-Fluorophenol	1	0	S	4.03	47.97	50			1.415	1.357	4.06	
Benzaldehyde	1	0		4.89	32.40	50			1.053	0.683	35.20	
Aniline	1	0		5.00	48.02	50			2.161	2.280	3.96	
Pentachloroethane	1	0		5.03	51.04	50			0.462	0.472	2.08	
bis(2-Chloroethyl)ether	1	0		5.07	51.10	50			1.348	1.378	2.20	
Phenol-d5	1	0	S	5.00	49.77	50			1.964	1.955	0.46	
Phenol	1	0	CC	5.01	50.41	50	20		2.160	2.178	0.82	
2-Chlorophenol	1	0		5.10	48.93	50			1.529	1.496	2.14	
N-Decane	1	0		5.15	52.73	50			1.389	1.465	5.46	
1,3-Dichlorobenzene	1	0		5.23	50.91	50			1.519	1.547	1.82	
1,4-Dichlorobenzene	1	0	CC	5.30	48.97	50	20		1.540	1.508	2.06	
1,2-Dichlorobenzene	1	0		5.42	49.97	50			1.471	1.470	0.06	
Benzyl alcohol	1	0		5.41	48.87	50			1.009	0.986	2.26	
bis(2-chloroisopropyl)ether	1	0		5.53	53.19	50			1.636	1.740	6.38	
2-Methylphenol	1	0		5.53	47.18	50			1.506	1.421	5.64	
Acetophenone	1	0		5.63	50.02	50			2.004	2.005	0.04	
Hexachloroethane	1	0		5.70	50.82	50			0.590	0.600	1.64	
N-Nitroso-di-n-propylamine	1	0	CP	5.63	50.15	50	0.05		1.113	1.116	0.30	
3&4-Methylphenol	1	0		5.65	49.76	50			1.531	1.524	0.48	
Naphthalene-d8	1	0	I	6.31	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.75	27.11	25			0.172	0.186	8.44	
Nitrobenzene	1	0		5.77	50.78	50			0.391	0.398	1.56	
Isophorone	1	0		5.95	51.65	50			0.717	0.740	3.30	
2-Nitrophenol	1	0	CC	6.02	52.12	50	20		0.199	0.208	4.24	
2,4-Dimethylphenol	1	0		6.07	51.55	50			0.368	0.379	3.10	
Benzoic Acid	1	0		6.16	52.95	50			0.217	0.223	5.90	
bis(2-Chloroethoxy)methane	1	0		6.13	52.61	50			0.431	0.453	5.22	
2,4-Dichlorophenol	1	0	CC	6.22	50.25	50	20		0.297	0.299	0.50	
1,2,4-Trichlorobenzene	1	0		6.26	49.70	50			0.317	0.315	0.60	
Naphthalene	1	0		6.32	48.23	50			1.130	1.090	3.54	
4-Chloroaniline	1	0		6.37	52.20	50			0.358	0.438	4.40	
Hexachlorobutadiene	1	0	CC	6.41	50.91	50	20		0.137	0.140	1.82	
Caprolactam	1	0		6.64	49.81	50			0.144	0.144	0.38	
4-Chloro-3-methylphenol	1	0	CC	6.75	51.68	50	20		0.334	0.346	3.36	
2-Methylnaphthalene	1	0		6.84	48.56	50			0.743	0.721	2.88	
Methylnaphthalenes	1	0		6.84	48.56	50	20			0.721	2.88	
1,1'-Biphenyl	1	0		7.19	49.02	50			0.949	0.931	1.96	
Acenaphthene-d10	1	0	I	7.66	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.96	54.41	50			0.487	0.530	8.82	
Hexachlorocyclopentadiene	1	0	CP	6.95	40.05	50	0.05		0.146	0.113	19.90	
2,4,6-Trichlorophenol	1	0	CC	7.06	53.06	50	20		0.329	0.349	6.12	
2,4,5-Trichlorophenol	1	0		7.10	52.94	50			0.343	0.364	5.88	
2-Fluorobiphenyl	1	0	S	7.11	26.97	25			1.216	1.312	7.88	
2-Chloronaphthalene	1	0		7.21	52.37	50			1.095	1.147	4.74	
1,4-Dimethylnaphthalene	1	0		7.48	50.89	50			0.956	0.973	1.78	
Dimethylnaphthalenes	1	0		7.48	50.89	50	20			0.973	1.78	
Diphenyl Ether	1	0		7.27	51.79	50			0.838	0.868	3.58	
2-Nitroaniline	1	0		7.30	40.96	50			0.392	0.370	18.08	
Coumarin	1	0		7.47	51.87				0.487			
Acenaphthylene	1	0		7.55	52.65	50			1.838	1.935	5.30	
Dimethylphthalate	1	0		7.44	52.54	50			1.211	1.273	5.08	
2,6-Dinitrotoluene	1	0		7.49	55.22	50			0.272	0.300	10.44	
Acenaphthene	1	0	CC	7.69	55.82	50	20		1.086	1.213	11.64	
3-Nitroaniline	1	0		7.63	57.88	50			0.317	0.366	15.76	
2,4-Dinitrophenol	1	0	CP	7.72	43.32	50	0.05		0.147	0.123	13.36	
Dibenzofuran	1	0		7.84	50.32	50			1.620	1.630	0.64	
2,4-Dinitrotoluene	1	0		7.83	53.68	50			0.365	0.392	7.36	
4-Nitrophenol	1	0	CP	7.79	56.33	50	0.05		0.237	0.267	12.66	
2,3,4,6-Tetrachlorophenol	1	0		7.95	54.25	50			0.239	0.260	8.50	
Fluorene	1	0		8.14	51.22	50			1.349	1.382	2.44	
4-Chlorophenyl-phenylether	1	0		8.14	51.88	50			0.583	0.605	3.76	
Diethylphthalate	1	0		8.04	54.84	50			1.178	1.292	9.68	
4-Nitroaniline	1	0		8.17	49.61	50			0.383	0.380	0.78	
Atrazine	1	0		8.78	52.40	50			0.340	0.356	4.80	
Phenanthrene-d10	1	0	I	9.06	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.20	49.09	50			0.112	0.121	1.82	
n-Nitrosodiphenylamine	1	0	CC	8.25	49.35	50	20		0.703	0.694	1.30	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M31336.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/29/2010 10:14:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.4.6-Tribromophenol	1	0	S	8.37	53.00	50			0.060	0.064	6.00	
1.2-Diphenylhydrazine	1	0		8.29	56.68	50			0.759	0.861	13.36	
4-Bromophenyl-phenylether	1	0		8.61	50.31	50			0.166	0.167	0.62	
Hexachlorobenzene	1	0		8.66	50.53	50			0.150	0.152	1.06	
N-Octadecane	1	0		8.95	56.64	50			0.446	0.540	13.28	
Pentachlorophenol	1	0	CC	8.86	46.35	50	20		0.087	0.072	7.30	
Phenanthrene	1	0		9.08	49.78	50			1.116	1.111	0.44	
Anthracene	1	0		9.14	50.46	50			1.139	1.150	0.92	
Carbazole	1	0		9.31	49.80	50			1.121	1.116	0.40	
Di-n-butylphthalate	1	0		9.70	54.45	50			1.240	1.350	8.90	
Fluoranthene	1	0	CC	10.38	49.84	50	20		1.166	1.162	0.32	
Chrysene-d12	1	0	I	12.06	40.00	40				0.000	0.00	
Pyrene	1	0		10.64	51.17	50			1.323	1.354	2.34	
Benzidine	1	0		10.55	42.77	50			0.593	0.586	14.46	
Terphenyl-d14	1	0	S	10.84	25.73	25			0.753	0.775	2.92	
p,p'-DDE	1	0		10.77	53.60				0.190			
p,p'-DDD	1	0		11.17	50.03				0.432			
Butylbenzylphthalate	1	0		11.44	54.66	50			0.626	0.685	9.32	
p,p'-DDT	1	0		11.52	53.70				0.343			
3,3'-Dichlorobenzidine	1	0		12.04	54.47	50			0.291	0.360	8.94	
Benzo[a]anthracene	1	0		12.05	50.70	50			1.158	1.174	1.40	
Chrysene	1	0		12.09	51.80	50			1.091	1.130	3.60	
bis(2-Ethylhexyl)phthalate	1	0		12.14	55.78	50			0.834	0.930	11.56	
Perylene-d12	1	0	I	13.66	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.89	48.78	50	20		1.811	1.875	2.44	
Benzo[b]fluoranthene	1	0		13.26	50.87	50			1.189	1.210	1.74	
Benzo[k]fluoranthene	1	0		13.29	49.80	50			1.139	1.135	0.40	
Benzo[a]pyrene	1	0	CC	13.60	50.84	50	20		1.127	1.146	1.68	
Indeno[1,2,3-cd]pyrene	1	0		14.74	51.47	50			1.087	1.119	2.94	
Dibenzo[a,h]anthracene	1	0		14.75	49.53	50			0.929	0.920	0.94	
Benzo[g,h,i]perylene	1	0		15.04	50.49	50			0.930	0.939	0.98	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.956	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.743	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31336.D Sam Mult : 1 Vial# : 2 Qt On : 12/29/10 10:34
Acq On : 12/29/10 10:14 Misc : A,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	61510	40.00	ng	-0.14
29) Naphthalene-d8	6.307	136	238315	40.00	ng	-0.13
47) Acenaphthene-d10	7.660	164	132946	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	230621	40.00	ng	-0.17
88) Chrysene-d12	12.062	240	204499	40.00	ng	-0.19
100) Perylene-d12	13.656	264	181353	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	4.034	112	104364	47.97	ng	-0.14
Spiked Amount 100.000			Recovery = 47.97%			
15) Phenol-d5	5.002	99	150292	49.77	ng	-0.11
Spiked Amount 100.000			Recovery = 49.77%			
30) Nitrobenzene-d5	5.751	128	27761	27.11	ng	-0.13
Spiked Amount 50.000			Recovery = 54.22%			
52) 2-Fluorobiphenyl	7.114	172	108984	26.97	ng	-0.14
Spiked Amount 50.000			Recovery = 53.94%			
77) 2,4,6-Tribromophenol	8.371	330	18440	53.00	ng	-0.16
Spiked Amount 100.000			Recovery = 53.00%			
91) Terphenyl-d14	10.837	244	99080	25.73	ng	-0.18
Spiked Amount 50.000			Recovery = 51.46%			
Target Compounds						Qvalue
8) Pyridine	2.194	79	118248	51.53	ng	67
9) N-Nitrosodimethylamine	2.151	74	72325	57.62	ng	69
11) Benzaldehyde	4.895	77	52485	32.40	ng	80
12) Aniline	4.996	93	175291	48.02	ng	37
13) Pentachloroethane	5.028	117	36285	51.04	ng	88
14) bis(2-Chloroethyl)ether	5.066	93	105917	51.10	ng	80
16) Phenol	5.012	94	167424	50.41	ng	89
17) 2-Chlorophenol	5.103	128	115033	48.93	ng	80
18) N-Decane	5.152	57	112644	52.73	ng	83
19) 1,3-Dichlorobenzene	5.226	146	118916	50.91	ng	98
20) 1,4-Dichlorobenzene	5.296	146	115952	48.97	ng	99
21) 1,2-Dichlorobenzene	5.419	146	113021	49.97	ng	98
22) Benzyl alcohol	5.414	108	75795	48.87	ng	77
23) bis(2-chloroisopropyl)...	5.526	45	133820	53.19	ng	89
24) 2-Methylphenol	5.526	108	109295	47.18	ng	95
25) Acetophenone	5.628	105	154195	50.02	ng	65
26) Hexachloroethane	5.697	117	46146	50.82	ng	92
27) N-Nitroso-di-n-propyla...	5.633	70	85830	50.15	ng	70
28) 3&4-Methylphenol	5.654	108	117175	49.76	ng	100
31) Nitrobenzene	5.767	77	118421	50.78	ng	80
32) Isophorone	5.954	82	220494	51.65	ng	93
33) 2-Nitrophenol	6.018	139	61898	52.12	ng	88
34) 2,4-Dimethylphenol	6.066	107	112990	51.55	ng	91
35) Benzoic Acid	6.157	105	66411m	52.95	ng	
36) bis(2-Chloroethoxy)met...	6.130	93	135003	52.61	ng	96
37) 2,4-Dichlorophenol	6.216	162	88971	50.25	ng	89
38) 1,2,4-Trichlorobenzene	6.264	180	93911	49.70	ng	99
39) Naphthalene	6.323	128	324785	48.23	ng	98
40) 4-Chloroaniline	6.371	127	130536	52.20	ng	98
41) Hexachlorobutadiene	6.414	225	41679	50.91	ng	95
42) Caprolactam	6.644	113	42768	49.81	ng	74
43) 4-Chloro-3-methylphenol	6.745	107	102970	51.68	ng	87
44) 2-Methylnaphthalene	6.836	142	214843	48.56	ng	97
45) Methylnaphthalenes (To...	6.836	142	214843	48.56	ng	97
46) 1,1'-Biphenyl	7.195	154	277266	49.02	ng	92
48) 1,2,4,5-Tetrachloroben...	6.965	216	88121	54.41	ng	99
49) Hexachlorocyclopentadiene	6.949	237	18849	40.05	ng	98
50) 2,4,6-Trichlorophenol	7.056	196	57946	53.06	ng	99
51) 2,4,5-Trichlorophenol	7.098	196	60415	52.94	ng	99
53) 2-Chloronaphthalene	7.211	162	190606	52.37	ng	95
54) 1,4-Dimethylnaphthalene	7.478	156	161760	50.89	ng	88
55) Dimethylnaphthalenes (...	7.478	156	161760	50.89	ng	88
56) Diphenyl Ether	7.275	170	144194	51.79	ng	79
57) 2-Nitroaniline	7.296	65	61566	40.96	ng	56
58) Coumarin	7.467	146	83967	51.87	ng	78
59) Acenaphthylene	7.548	152	321627	52.65	ng	98
60) Dimethylphthalate	7.441	163	211523	52.54	ng	98
61) 2,6-Dinitrotoluene	7.494	165	49861	55.22	ng	60
62) Acenaphthene	7.687	153	201565	55.82	ng	96
63) 3-Nitroaniline	7.633	138	60905	57.88	ng	76
64) 2,4-Dinitrophenol	7.724	184	20395	43.32	ng	87
65) Dibenzofuran	7.837	168	270915	50.32	ng	85

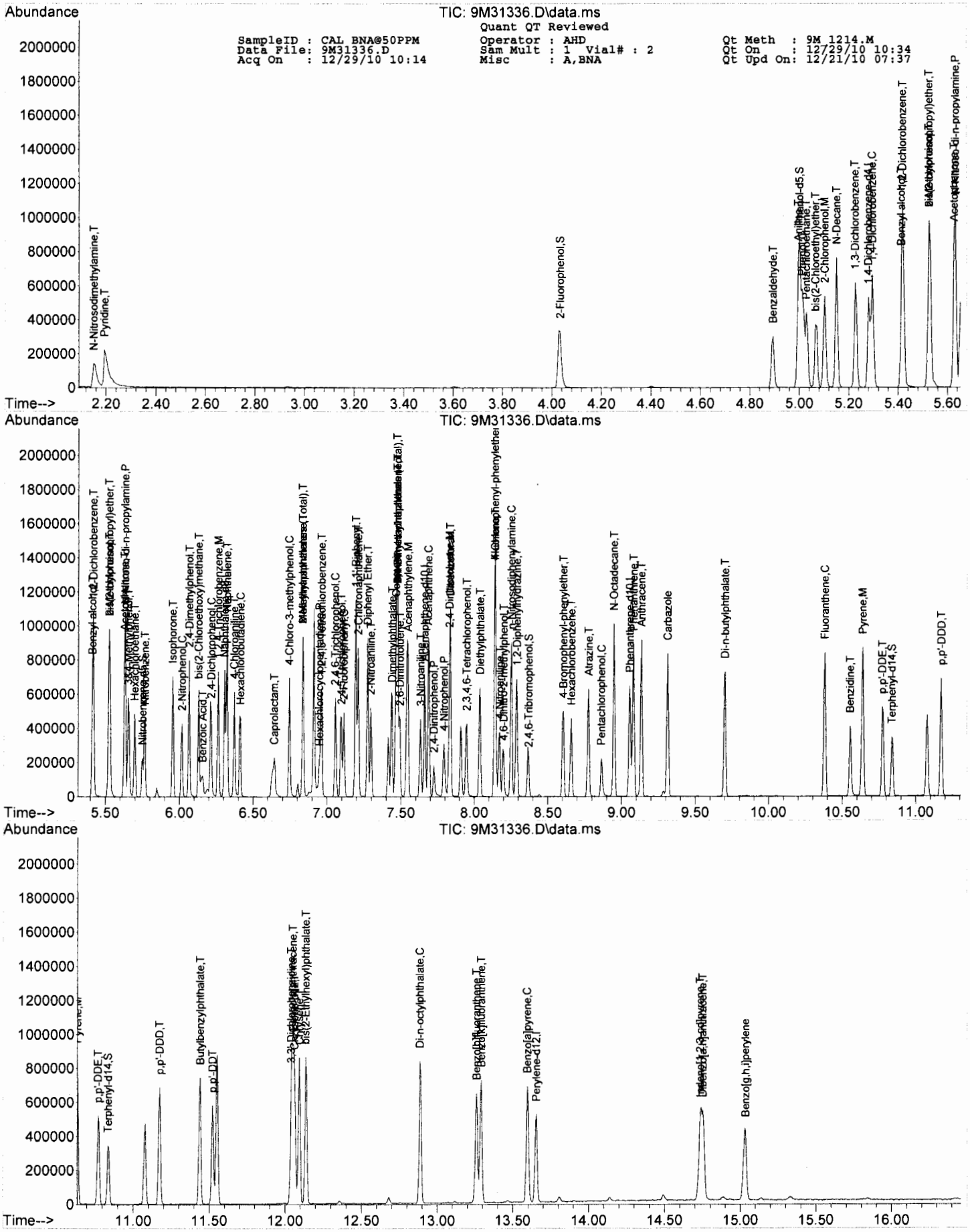
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31336.D Sam Mult : 1 Vial# : 2 Qt On : 12/29/10 10:34
Acq On : 12/29/10 10:14 Misc : A,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.831	165	65063	53.68	ng	85
67)	4-Nitrophenol	7.794	65	44427	56.33	ng	92
68)	2,3,4,6-Tetrachlorophenol	7.949	232	43178	54.25	ng	86
69)	Fluorene	8.141	166	229604	51.22	ng	98
70)	4-Chlorophenyl-phenyle...	8.141	204	100537	51.88	ng	86
71)	Diethylphthalate	8.040	149	214773	54.84	ng	98
72)	4-Nitroaniline	8.173	138	63175	49.61	ng	77
73)	Atrazine	8.778	200	59159	52.40	ng	94
75)	4,6-Dinitro-2-methylph...	8.200	198	34738	49.09	ng	62
76)	n-Nitrosodiphenylamine	8.254	169	199972	49.35	ng	94
78)	1,2-Diphenylhydrazine	8.291	77	248173	56.68	ng	82
79)	4-Bromophenyl-phenylether	8.607	248	48116	50.31	ng	90
80)	Hexachlorobenzene	8.660	284	43808	50.53	ng	81
81)	N-Octadecane	8.949	57	155704	56.64	ng	78
82)	Pentachlorophenol	8.863	266	20890	46.35	ng	96
83)	Phenanthrene	9.083	178	320385	49.78	ng	97
84)	Anthracene	9.136	178	331521	50.46	ng	99
85)	Carbazole	9.313	167	321717	49.80	ng	97
86)	Di-n-butylphthalate	9.703	149	389303	54.45	ng	97
87)	Fluoranthene	10.382	202	335093	49.84	ng	94
89)	Pyrene	10.639	202	346204	51.17	ng	89
90)	Benzidine	10.554	184	149719	42.77	ng	92
92)	p,p'-DDE	10.773	246	51966	53.60	ng	96
93)	p,p'-DDD	11.174	235	110581	50.03	ng	87
94)	Butylbenzylphthalate	11.441	149	175020	54.66	ng	74
95)	p,p'-DDT	11.522	235	94237	53.70	ng	96
96)	3,3'-Dichlorobenzidine	12.041	252	92046	54.47	ng	98
97)	Benzo[a]anthracene	12.051	228	300195	50.70	ng	98
98)	Chrysene	12.094	228	288932	51.80	ng	95
99)	bis(2-Ethylhexyl)phtha...	12.137	149	237757	55.78	ng	96
101)	Di-n-octylphthalate	12.886	149	424952	48.78	ng	99
102)	Benzo[b]fluoranthene	13.260	252	274223	50.87	ng	95
103)	Benzo[k]fluoranthene	13.292	252	257201	49.80	ng	94
104)	Benzo[a]pyrene	13.597	252	259703	50.84	ng	94
105)	Indeno[1,2,3-cd]pyrene	14.736	276	253703	51.47	ng	95
106)	Dibenzo[a,h]anthracene	14.752	278	208602	49.53	ng	96
107)	Benzo[g,h,i]perylene	15.036	276	212777	50.49	ng	94

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


Abundance
TIC: 9M31336.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M31336.D
Acq On : 12/29/10 10:14
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1214.M
Qt On : 12/29/10 10:34
Qt Upd On: 12/21/10 07:37
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M63698.D **Instrument:** GCMS 5

Cont Calibration Date/Time 12/29/2010 10:16:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.77	40.00	40				0.000	0.00	
Pyridine	1	0		2.96	50.30	50			1.794	1.845	0.60	
N-Nitrosodimethylamine	1	0		2.89	51.50	50			1.052	1.083	3.00	
2-Fluorophenol	1	0	S	4.55	52.00	50			1.360	1.415	4.00	
Benzaldehyde	1	0		5.38	39.83	50			0.918	0.806	20.34	
Aniline	1	0		5.48	58.10	50			2.076	2.413	16.20	
Pentachloroethane	1	0		5.52	53.71	50			0.481	0.516	7.42	
bis(2-Chloroethyl)ether	1	0		5.54	51.81	50			1.558	1.615	3.62	
Phenol-d5	1	0	S	5.44	53.83	50			1.941	2.090	7.66	
Phenol	1	0	CC	5.45	52.54	50	20		2.030	2.133	5.08	
2-Chlorophenol	1	0		5.58	53.53	50			1.409	1.509	7.06	
N-Decane	1	0		5.63	53.45	50			2.212	2.365	6.90	
1,3-Dichlorobenzene	1	0		5.71	52.14	50			1.493	1.557	4.28	
1,4-Dichlorobenzene	1	0	CC	5.78	52.21	50	20		1.507	1.574	4.42	
1,2-Dichlorobenzene	1	0		5.90	52.87	50			1.435	1.517	5.74	
Benzyl alcohol	1	0		5.88	54.18	50			1.002	1.086	8.36	
bis(2-chloroisopropyl)ether	1	0		5.99	52.28	50			2.814	2.942	4.56	
2-Methylphenol	1	0		5.96	53.85	50			1.391	1.498	7.70	
Acetophenone	1	0		6.09	54.55	50			1.975	2.155	9.10	
Hexachloroethane	1	0		6.18	53.97	50			0.616	0.665	7.94	
N-Nitroso-di-n-propylamine	1	0	CP	6.09	55.27	50	0.05		1.126	1.245	10.54	
3&4-Methylphenol	1	0		6.09	55.63	50			1.370	1.525	11.26	
Naphthalene-d8	1	0	I	6.77	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.21	26.03	25			0.168	0.174	4.12	
Nitrobenzene	1	0		6.23	53.52	50			0.434	0.465	7.04	
Isophorone	1	0		6.42	53.32	50			0.787	0.840	6.64	
2-Nitrophenol	1	0	CC	6.48	55.98	50	20		0.171	0.191	11.96	
2,4-Dimethylphenol	1	0		6.51	53.58	50			0.366	0.393	7.16	
Benzoic Acid	1	0		6.57	50.72	50			0.240	0.235	1.44	
bis(2-Chloroethoxy)methane	1	0		6.58	53.00	50			0.472	0.501	6.00	
2,4-Dichlorophenol	1	0	CC	6.66	54.63	50	20		0.250	0.273	9.26	
1,2,4-Trichlorobenzene	1	0		6.73	52.03	50			0.288	0.300	4.06	
Naphthalene	1	0		6.79	51.20	50			1.084	1.110	2.40	
4-Chloroaniline	1	0		6.83	61.59	50			0.346	0.426	23.18	
Hexachlorobutadiene	1	0	CC	6.88	52.20	50	20		0.118	0.123	4.40	
Caprolactam	1	0		7.10	55.38	50			0.126	0.140	10.76	
4-Chloro-3-methylphenol	1	0	CC	7.19	54.21	50	20		0.310	0.336	8.42	
2-Methylnaphthalene	1	0		7.33	52.67	50			0.638	0.673	5.34	
Methylnaphthalenes	1	0		7.33	52.67	50	20			0.673	5.34	
1,1'-Biphenyl	1	0		7.70	53.51	50			0.839	0.897	7.02	
Acenaphthene-d10	1	0	I	8.21	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.46	52.84	50			0.492	0.520	5.68	
Hexachlorocyclopentadiene	1	0	CP	7.45	56.56	50	0.05		0.213	0.241	13.12	
2,4,6-Trichlorophenol	1	0	CC	7.54	53.89	50	20		0.306	0.329	7.78	
2,4,5-Trichlorophenol	1	0		7.58	55.29	50			0.328	0.363	10.58	
2-Fluorobiphenyl	1	0	S	7.61	25.45	25			1.297	1.320	1.80	
2-Chloronaphthalene	1	0		7.73	52.49	50			1.155	1.212	4.98	
1,4-Dimethylnaphthalene	1	0		8.00	53.63	50			0.943	1.012	7.26	
Dimethylnaphthalenes	1	0		8.00	53.63	50	20			1.012	7.26	
Diphenyl Ether	1	0		7.79	50.98	50			0.839	0.855	1.96	
2-Nitroaniline	1	0		7.80	54.62	50			0.555	0.606	9.24	
Coumarin	1	0		7.98	52.49				0.507			
Acenaphthylene	1	0		8.08	52.55	50			1.910	2.007	5.10	
Dimethylphthalate	1	0		7.94	52.70	50			1.258	1.325	5.40	
2,6-Dinitrotoluene	1	0		8.00	57.81	50			0.260	0.301	15.62	
Acenaphthene	1	0	CC	8.23	52.30	50	20		1.176	1.230	4.60	
3-Nitroaniline	1	0		8.15	61.01	50			0.309	0.377	22.02	
2,4-Dinitrophenol	1	0	CP	8.24	60.25	50	0.05		0.129	0.155	20.50	
Dibenzofuran	1	0		8.39	49.61	50			1.643	1.630	0.78	
2,4-Dinitrotoluene	1	0		8.36	51.13	50			0.359	0.393	2.26	
4-Nitrophenol	1	0	CP	8.27	54.97	50	0.05		0.306	0.356	9.94	
2,3,4,6-Tetrachlorophenol	1	0		8.49	52.00	50			0.224	0.247	4.00	
Fluorene	1	0		8.71	52.57	50			1.280	1.346	5.14	
4-Chlorophenyl-phenylether	1	0		8.70	51.79	50			0.503	0.521	3.58	
Diethylphthalate	1	0		8.58	52.09	50			1.336	1.392	4.18	
4-Nitroaniline	1	0		8.71	55.36	50			0.354	0.392	10.72	
Atrazine	1	0		9.34	55.20	50			0.303	0.334	10.40	
Phenanthrene-d10	1	0	I	9.66	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.74	56.97	50			0.110	0.123	13.94	
n-Nitrosodiphenylamine	1	0	CC	8.82	53.18	50	20		0.660	0.702	6.36	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M63698.D **Instrument:** GCMS 5

Cont Calibration Date/Time 12/29/2010 10:16:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.94	54.54	50			0.048	0.055	9.08	
1,2-Diphenylhydrazine	1	0		8.86	53.65	50			1.103	1.183	7.30	
4-Bromophenyl-phenylether	1	0		9.19	52.26	50			0.143	0.150	4.52	
Hexachlorobenzene	1	0		9.26	52.23	50			0.135	0.141	4.46	
N-Octadecane	1	0		9.54	56.68	50			0.795	0.901	13.36	
Pentachlorophenol	1	0	CC	9.46	56.35	50	20		0.082	0.092	12.70	
Phenanthrene	1	0		9.69	50.92	50			1.109	1.129	1.84	
Anthracene	1	0		9.75	52.55	50			1.102	1.158	5.10	
Carbazole	1	0		9.92	53.84	50			1.088	1.172	7.68	
Di-n-butylphthalate	1	0		10.31	57.05	50			1.291	1.473	14.10	
Fluoranthene	1	0	CC	11.03	55.29	50	20		1.043	1.153	10.58	
Chrysene-d12	1	0	I	12.73	40.00	40				0.000	0.00	
Pyrene	1	0		11.29	54.36	50			1.453	1.580	8.72	
Benzidine	1	0		11.18	59.10	50			0.481	0.608	18.20	
Terphenyl-d14	1	0	S	11.48	27.30	25			0.759	0.819	9.20	
4,4'-DDE	1	0		11.42	51.95				0.228			
4,4'-DDD	1	0		11.81	55.93				0.448			
Butylbenzylphthalate	1	0		12.07	53.23	50			0.724	0.811	6.46	
4,4'-DDT	1	0		12.17	55.06				0.368			
3,3'-Dichlorobenzidine	1	0		12.69	52.36	50			0.275	0.335	4.72	
Benzo[a]anthracene	1	0		12.72	53.51	50			1.145	1.225	7.02	
Chrysene	1	0		12.76	53.65	50			1.137	1.220	7.30	
bis(2-Ethylhexyl)phthalate	1	0		12.77	53.57	50			1.003	1.167	7.14	
Perylene-d12	1	0	I	14.34	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.53	54.87	50	20		1.893	2.194	9.74	
Benzo[b]fluoranthene	1	0		13.93	53.40	50			1.125	1.202	6.80	
Benzo[k]fluoranthene	1	0		13.96	53.87	50			1.202	1.295	7.74	
Benzo[a]pyrene	1	0	CC	14.28	55.74	50	20		1.087	1.212	11.48	
Indeno[1,2,3-cd]pyrene	1	0		15.65	54.26	50			0.940	1.067	8.52	
Dibenzo[a,h]anthracene	1	0		15.67	55.64	50			0.801	0.891	11.28	
Benzo[g,h,i]perylene	1	0		16.03	54.99	50			0.836	0.919	9.98	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.943	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.638	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 5M63698.D
Acq On : 12/29/10 10:16

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_1223.M
Qt On : 12/29/10 10:32
Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	111781	40.00	ng	0.00
29) Naphthalene-d8	6.775	136	441371	40.00	ng	0.00
47) Acenaphthene-d10	8.207	164	223349	40.00	ng	0.00
74) Phenanthrene-d10	9.665	188	358897	40.00	ng	0.00
88) Chrysene-d12	12.726	240	274470	40.00	ng	0.00
100) Perylene-d12	14.345	264	230177	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	197683	52.00	ng	0.00
Spiked Amount 100.000			Recovery = 52.00%			
15) Phenol-d5	5.439	99	291993	53.83	ng	0.00
Spiked Amount 100.000			Recovery = 53.83%			
30) Nitrobenzene-d5	6.214	128	48127	26.03	ng	0.00
Spiked Amount 50.000			Recovery = 52.06%			
52) 2-Fluorobiphenyl	7.614	172	184289	25.45	ng	0.00
Spiked Amount 50.000			Recovery = 50.90%			
77) 2,4,6-Tribromophenol	8.944	330	24832	54.54	ng	0.00
Spiked Amount 100.000			Recovery = 54.54%			
91) Terphenyl-d14	11.476	244	140467	27.30	ng	0.00
Spiked Amount 50.000			Recovery = 54.60%			
Target Compounds						Qvalue
8) Pyridine	2.955	79	257819	50.30	ng	83
9) N-Nitrosodimethylamine	2.886	74	151345	51.50	ng	88
11) Benzaldehyde	5.380	77	112567	39.83	ng	89
12) Aniline	5.477	93	337111	58.10	ng	47
13) Pentachloroethane	5.525	117	72157	53.71	ng	97
14) bis(2-Chloroethyl)ether	5.541	93	225603	51.81	ng	87
16) Phenol	5.450	94	298077	52.54	ng	89
17) 2-Chlorophenol	5.578	128	210822	53.53	ng	90
18) N-Decane	5.632	57	330425	53.45	ng	94
19) 1,3-Dichlorobenzene	5.712	146	217549	52.14	ng	99
20) 1,4-Dichlorobenzene	5.776	146	219934	52.21	ng	96
21) 1,2-Dichlorobenzene	5.904	146	212030	52.87	ng	98
22) Benzyl alcohol	5.877	108	151738	54.18	ng	76
23) bis(2-chloroisopropyl)...	5.989	45	411141	52.28	ng	97
24) 2-Methylphenol	5.963	108	209269	53.85	ng	96
25) Acetophenone	6.091	105	301131	54.55	ng	87
26) Hexachloroethane	6.182	117	92884	53.97	ng	96
27) N-Nitroso-di-n-propyla...	6.091	70	173916	55.27	ng	85
28) 3&4-Methylphenol	6.091	108	213022	55.63	ng	100
31) Nitrobenzene	6.230	77	256589	53.52	ng	89
32) Isophorone	6.417	82	463198	53.32	ng	97
33) 2-Nitrophenol	6.481	139	105425	55.98	ng	88
34) 2,4-Dimethylphenol	6.508	107	216641	53.58	ng	99
35) Benzoic Acid	6.566	105	129443m	50.72	ng	
36) bis(2-Chloroethoxy)met...	6.582	93	276301	53.00	ng	98
37) 2,4-Dichlorophenol	6.663	162	150886	54.63	ng	94
38) 1,2,4-Trichlorobenzene	6.732	180	165250	52.03	ng	98
39) Naphthalene	6.791	128	612374	51.20	ng	99
40) 4-Chloroaniline	6.828	127	234963	61.59	ng	100
41) Hexachlorobutadiene	6.882	225	67827	52.20	ng	94
42) Caprolactam	7.095	113	77125	55.38	ng	70
43) 4-Chloro-3-methylphenol	7.191	107	185242	54.21	ng	88
44) 2-Methylnaphthalene	7.330	142	371066	52.67	ng	100
45) Methylnaphthalenes (To...	7.330	142	371066	52.67	ng	100
46) 1,1'-Biphenyl	7.704	154	495161	53.51	ng	96
48) 1,2,4,5-Tetrachloroben...	7.459	216	145079	52.84	ng	98
49) Hexachlorocyclopentadiene	7.453	237	67265	56.56	ng	99
50) 2,4,6-Trichlorophenol	7.544	196	91947	53.89	ng	99
51) 2,4,5-Trichlorophenol	7.576	196	101221	55.29	ng	97
53) 2-Chloronaphthalene	7.726	162	338390	52.49	ng	95
54) 1,4-Dimethylnaphthalene	8.004	156	282450	53.63	ng	92
55) Dimethylnaphthalenes (...	8.004	156	282450	53.63	ng	92
56) Diphenyl Ether	7.790	170	238822	50.98	ng	88
57) 2-Nitroaniline	7.795	65	169253	54.62	ng	93
58) Coumarin	7.982	146	148613	52.49	ng	77
59) Acenaphthylene	8.084	152	560367	52.55	ng	99
60) Dimethylphthalate	7.945	163	370029	52.70	ng	100
61) 2,6-Dinitrotoluene	8.004	165	83972	57.81	ng	83
62) Acenaphthene	8.233	153	343348	52.30	ng	96
63) 3-Nitroaniline	8.148	138	105195	61.01	ng	38
64) 2,4-Dinitrophenol	8.239	184	43345	60.25	ng	17
65) Dibenzofuran	8.388	168	455043	49.61	ng	91

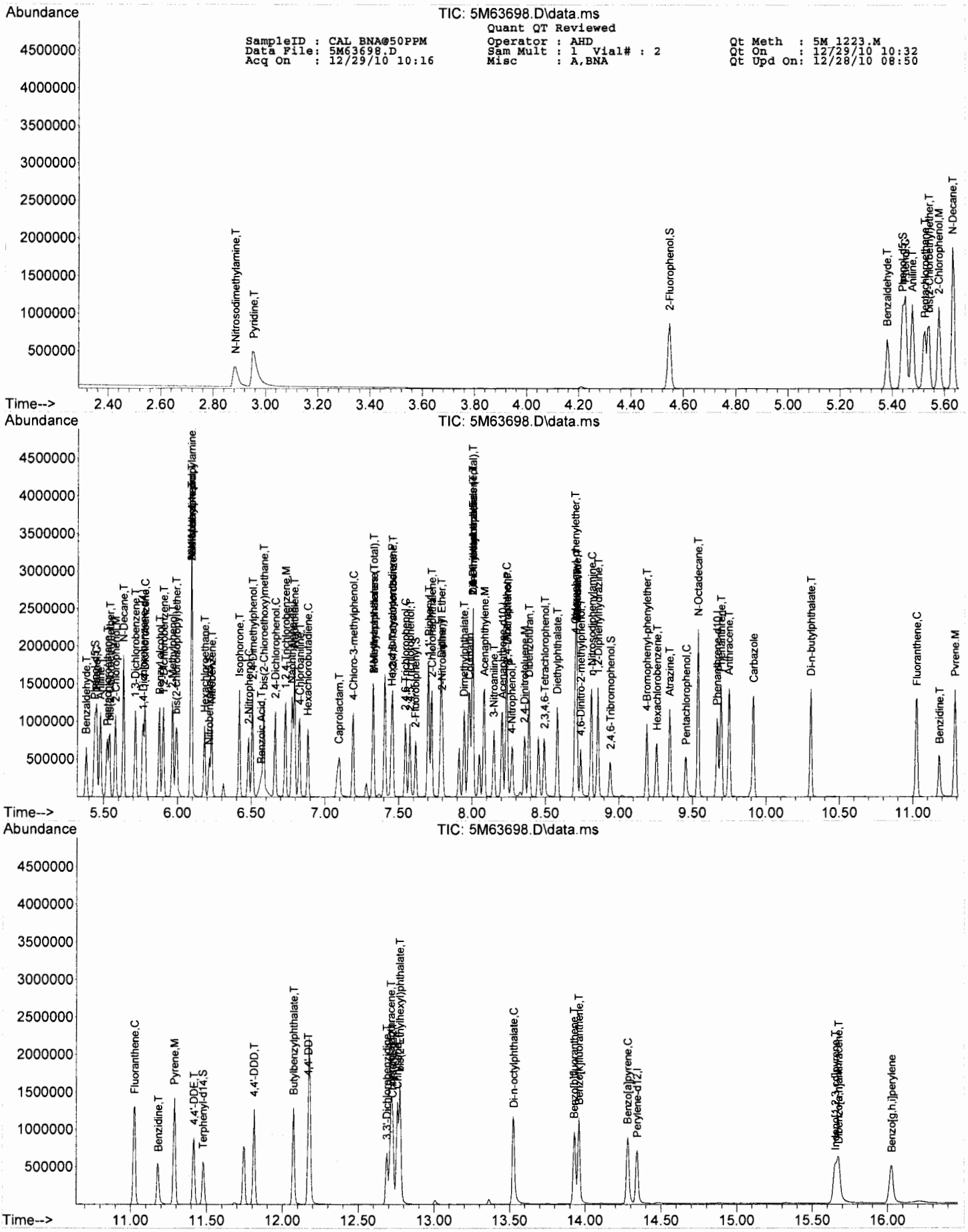
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63698.D Sam Mult : 1 Vial# : 2 Qt On : 12/29/10 10:32
Acq On : 12/29/10 10:16 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.356	165	109753	51.13	ng	95
67)	4-Nitrophenol	8.271	65	99449	54.97	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.495	232	68881	52.00	ng	98
69)	Fluorene	8.714	166	375811	52.57	ng	97
70)	4-Chlorophenyl-phenyle...	8.703	204	145505	51.79	ng	99
71)	Diethylphthalate	8.580	149	388635	52.09	ng	98
72)	4-Nitroaniline	8.714	138	109490	55.36	ng	85
73)	Atrazine	9.344	200	93321	55.20	ng	96
75)	4,6-Dinitro-2-methylph...	8.741	198	55399	56.97	ng	32
76)	n-Nitrosodiphenylamine	8.816	169	314970	53.18	ng	97
78)	1,2-Diphenylhydrazine	8.858	77	530722	53.65	ng	97
79)	4-Bromophenyl-phenylether	9.189	248	67159	52.26	ng	85
80)	Hexachlorobenzene	9.259	284	63276	52.23	ng	94
81)	N-Octadecane	9.537	57	404266	56.68	ng	93
82)	Pentachlorophenol	9.457	266	41350	56.35	ng	99
83)	Phenanthrene	9.692	178	506534	50.92	ng	99
84)	Anthracene	9.745	178	519474	52.55	ng	99
85)	Carbazole	9.916	167	525797	53.84	ng	97
86)	Di-n-butylphthalate	10.306	149	660667	57.05	ng	97
87)	Fluoranthene	11.027	202	517420	55.29	ng	95
89)	Pyrene	11.289	202	542048	54.36	ng	95
90)	Benzidine	11.182	184	208574	59.10	ng	95
92)	4,4'-DDE	11.417	246	81215	51.95	ng	90
93)	4,4'-DDD	11.813	235	171792	55.93	ng	81
94)	Butylbenzylphthalate	12.074	149	278178	53.23	ng	95
95)	4,4'-DDT	12.170	235	139019	55.06	ng	82
96)	3,3'-Dichlorobenzidine	12.689	252	115067	52.36	ng	95
97)	Benzo[a]anthracene	12.715	228	420410	53.51	ng	98
98)	Chrysene	12.758	228	418675	53.65	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.774	149	400327	53.57	ng	98
101)	Di-n-octylphthalate	13.527	149	631372	54.87	ng	99
102)	Benzo[b]fluoranthene	13.928	252	345738	53.40	ng	95
103)	Benzo[k]fluoranthene	13.960	252	372635	53.87	ng	96
104)	Benzo[a]pyrene	14.281	252	348672	55.74	ng	94
105)	Indeno[1,2,3-cd]pyrene	15.654	276	307007	54.26	ng	71
106)	Dibenzo[a,h]anthracene	15.675	278	256325	55.64	ng	87
107)	Benzo[g,h,i]perylene	16.028	276	264519	54.99	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M63698.D
Acq On : 12/29/10 10:16
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/29/10 10:32
Qt Upd On: 12/28/10 08:50
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,S
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthylene,M
4-Nitrophenol,S
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
4,6-Dinitro-2-methylphenol,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M18682.D **Instrument:** GCMS 10

Cont Calibration Date/Time 12/30/2010 9:59:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.73	40.00	40				0.000	0.00	
Pyridine	1	0		2.93	56.67	50			1.381	1.565	13.34	
N-Nitrosodimethylamine	1	0		2.87	56.22	50			0.811	0.912	12.44	
2-Fluorophenol	1	0	S	4.52	52.82	50			1.178	1.244	5.64	
Benzaldehyde	1	0		5.35	32.79	50			0.811	0.699	34.42	
Aniline	1	0		5.45	52.95	50			1.736	1.975	5.90	
Pentachloroethane	1	0		5.49	51.65	50			0.421	0.435	3.30	
bis(2-Chloroethyl)ether	1	0		5.51	52.50	50			1.214	1.274	5.00	
Phenol-d5	1	0	S	5.41	52.01	50			1.604	1.669	4.02	
Phenol	1	0	CC	5.43	52.52	50	20		1.775	1.864	5.04	
2-Chlorophenol	1	0		5.55	50.69	50			1.324	1.342	1.38	
N-Decane	1	0		5.60	55.33	50			1.493	1.652	10.66	
1,3-Dichlorobenzene	1	0		5.68	48.95	50			1.511	1.479	2.10	
1,4-Dichlorobenzene	1	0	CC	5.75	50.41	50	20		1.537	1.550	0.82	
1,2-Dichlorobenzene	1	0		5.87	49.29	50			1.456	1.436	1.42	
Benzyl alcohol	1	0		5.84	51.22	50			0.852	0.873	2.44	
bis(2-chloroisopropyl)ether	1	0		5.96	56.40	50			1.758	1.983	12.80	
2-Methylphenol	1	0		5.93	50.37	50			1.174	1.244	0.74	
Acetophenone	1	0		6.06	50.98	50			1.924	1.962	1.96	
Hexachloroethane	1	0		6.14	52.03	50			0.576	0.600	4.06	
N-Nitroso-di-n-propylamine	1	0	CP	6.06	52.65	50	0.05		1.063	1.152	5.30	
3&4-Methylphenol	1	0		6.06	48.25	50			1.299	1.335	3.50	
Naphthalene-d8	1	0	I	6.74	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.18	26.23	25			0.166	0.175	4.92	
Nitrobenzene	1	0		6.20	54.40	50			0.412	0.448	8.80	
Isophorone	1	0		6.38	53.54	50			0.723	0.774	7.08	
2-Nitrophenol	1	0	CC	6.45	52.83	50	20		0.194	0.204	5.66	
2,4-Dimethylphenol	1	0		6.47	52.33	50			0.377	0.395	4.66	
Benzoic Acid	1	0		6.54	39.10	50			0.248	0.194	21.80	
bis(2-Chloroethoxy)methane	1	0		6.55	52.58	50			0.417	0.439	5.16	
2,4-Dichlorophenol	1	0	CC	6.62	51.23	50	20		0.310	0.317	2.46	
1,2,4-Trichlorobenzene	1	0		6.69	51.93	50			0.367	0.382	3.86	
Naphthalene	1	0		6.76	48.95	50			1.144	1.120	2.10	
4-Chloroaniline	1	0		6.79	72.82	50			0.346	0.593	45.64	
Hexachlorobutadiene	1	0	CC	6.84	53.21	50	20		0.190	0.202	6.42	
Caprolactam	1	0		7.06	47.25	50			0.124	0.124	5.50	
4-Chloro-3-methylphenol	1	0	CC	7.15	52.25	50	20		0.332	0.347	4.50	
2-Methylnaphthalene	1	0		7.28	49.46	50			0.735	0.727	1.08	
Methylnaphthalenes	1	0		7.28	49.47	50	20			0.727	1.06	
1,1'-Biphenyl	1	0		7.65	49.79	50			0.998	0.994	0.42	
Acenaphthene-d10	1	0	I	8.15	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.42	52.61	50			0.560	0.589	5.22	
Hexachlorocyclopentadiene	1	0	CP	7.41	51.17	50	0.05		0.354	0.362	2.34	
2,4,6-Trichlorophenol	1	0	CC	7.50	51.53	50	20		0.364	0.375	3.06	
2,4,5-Trichlorophenol	1	0		7.53	51.70	50			0.372	0.384	3.40	
2-Fluorobiphenyl	1	0	S	7.57	26.52	25			1.259	1.336	6.08	
2-Chloronaphthalene	1	0		7.68	50.61	50			1.138	1.151	1.22	
1,4-Dimethylnaphthalene	1	0		7.95	50.40	50			0.942	0.950	0.80	
Dimethylnaphthalenes	1	0		7.95	50.40	50	20			0.950	0.80	
Diphenyl Ether	1	0		7.74	50.05	50			0.888	0.889	0.10	
2-Nitroaniline	1	0		7.75	55.47	50			0.471	0.522	10.94	
Coumarin	1	0		7.93	48.81				0.471			
Acenaphthylene	1	0		8.03	50.11	50			1.891	1.895	0.22	
Dimethylphthalate	1	0		7.90	50.67	50			1.347	1.365	1.34	
2,6-Dinitrotoluene	1	0		7.96	49.50	50			0.306	0.303	1.00	
Acenaphthene	1	0	CC	8.18	48.71	50	20		1.234	1.202	2.58	
3-Nitroaniline	1	0		8.10	55.70	50			0.286	0.318	11.40	
2,4-Dinitrophenol	1	0	CP	8.19	44.36	50	0.05		0.192	0.189	11.28	
Dibenzofuran	1	0		8.34	50.43	50			1.673	1.687	0.86	
2,4-Dinitrotoluene	1	0		8.31	48.02	50			0.410	0.411	3.96	
4-Nitrophenol	1	0	CP	8.22	46.33	50	0.05		0.295	0.294	7.34	
2,3,4,6-Tetrachlorophenol	1	0		8.44	49.93	50			0.289	0.306	0.14	
Fluorene	1	0		8.65	48.84	50			1.430	1.397	2.32	
4-Chlorophenyl-phenylether	1	0		8.64	51.16	50			0.641	0.656	2.32	
Diethylphthalate	1	0		8.52	48.93	50			1.333	1.304	2.14	
4-Nitroaniline	1	0		8.66	50.14	50			0.343	0.344	0.28	
Atrazine	1	0		9.28	50.56	50			0.388	0.392	1.12	
Phenanthrene-d10	1	0	I	9.60	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.68	49.00	50			0.125	0.142	2.00	
n-Nitrosodiphenylamine	1	0	CC	8.75	48.91	50	20		0.672	0.657	2.18	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M18682.D **Instrument:** GCMS 10

Cont Calibration Date/Time 12/30/2010 9:59:00 Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.88	50.02	50			0.083	0.092	0.04	
1,2-Diphenylhydrazine	1	0		8.80	49.00	50			0.838	0.821	2.00	
4-Bromophenyl-phenylether	1	0		9.13	52.55	50			0.186	0.195	5.10	
Hexachlorobenzene	1	0		9.19	53.15	50			0.197	0.209	6.30	
N-Octadecane	1	0		9.46	54.59	50			0.504	0.550	9.18	
Pentachlorophenol	1	0	CC	9.39	48.34	50	20		0.130	0.126	3.32	
Phenanthrene	1	0		9.63	48.11	50			1.127	1.084	3.78	
Anthracene	1	0		9.68	48.40	50			1.146	1.109	3.20	
Carbazole	1	0		9.84	47.79	50			1.077	1.030	4.42	
Di-n-butylphthalate	1	0		10.23	47.42	50			1.270	1.204	5.16	
Fluoranthene	1	0	CC	10.95	49.33	50	20		1.186	1.170	1.34	
Chrysene-d12	1	0	I	12.64	40.00	40				0.000	0.00	
Pyrene	1	0		11.21	50.07	50			1.270	1.272	0.14	
Benzidine	1	0		11.11	33.63	50			0.424	0.452	32.74	
Terphenyl-d14	1	0	S	11.40	25.63	25			0.769	0.844	2.52	
4,4'-DDE	1	0		11.33	49.97				0.259			
4,4'-DDD	1	0		11.73	50.27				0.477			
Butylbenzylphthalate	1	0		11.98	45.94	50			0.588	0.540	8.12	
4,4'-DDT	1	0		12.09	49.58				0.408			
3,3'-Dichlorobenzidine	1	0		12.60	48.52	50			0.290	0.338	2.96	
Benzo[a]anthracene	1	0		12.63	49.00	50			1.125	1.102	2.00	
Chrysene	1	0		12.67	48.23	50			1.108	1.069	3.54	
bis(2-Ethylhexyl)phthalate	1	0		12.68	43.80	50			0.837	0.733	12.40	
Perylene-d12	1	0	I	14.24	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.43	41.01	50	20		1.482	1.311	17.98	
Benzo[b]fluoranthene	1	0		13.83	52.96	50			1.134	1.201	5.92	
Benzo[k]fluoranthene	1	0		13.86	49.12	50			1.165	1.144	1.76	
Benzo[a]pyrene	1	0	CC	14.18	51.27	50	20		1.113	1.141	2.54	
Indeno[1,2,3-cd]pyrene	1	0		15.50	51.00	50			1.155	1.178	2.00	
Dibenzo[a,h]anthracene	1	0		15.52	50.10	50			0.931	0.933	0.20	
Benzo[g,h,i]perylene	1	0		15.86	51.82	50			0.959	0.994	3.64	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.942	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.735	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18682.D Sam Mult : 1 Vial# : 2 Qt On : 12/30/10 10:16
Acq On : 12/30/10 09:59 Misc : A,BNA Qt Upd On: 12/15/10 13:55

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.731	152	27178	40.00	ng	-0.04
29) Naphthalene-d8	6.742	136	97130	40.00	ng	-0.04
47) Acenaphthene-d10	8.149	164	59050	40.00	ng	-0.05
74) Phenanthrene-d10	9.598	188	107791	40.00	ng	-0.05
88) Chrysene-d12	12.636	240	101188	40.00	ng	-0.05
100) Perylene-d12	14.236	264	86710	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.522	112	42260	52.82	ng	-0.03
Spiked Amount 100.000			Recovery = 52.82%			
15) Phenol-d5	5.410	99	56700	52.01	ng	-0.03
Spiked Amount 100.000			Recovery = 52.01%			
30) Nitrobenzene-d5	6.181	128	10600	26.23	ng	-0.04
Spiked Amount 50.000			Recovery = 52.46%			
52) 2-Fluorobiphenyl	7.571	172	49294	26.52	ng	-0.04
Spiked Amount 50.000			Recovery = 53.04%			
77) 2,4,6-Tribromophenol	8.882	330	12397	50.02	ng	-0.05
Spiked Amount 100.000			Recovery = 50.02%			
91) Terphenyl-d14	11.395	244	53405	25.63	ng	-0.05
Spiked Amount 50.000			Recovery = 51.26%			
Target Compounds						Qvalue
8) Pyridine	2.929	79	53166	56.67	ng	80
9) N-Nitrosodimethylamine	2.870	74	30984	56.22	ng	87
11) Benzaldehyde	5.352	77	23755	32.79	ng	95
12) Aniline	5.448	93	67085	52.95	ng	88
13) Pentachloroethane	5.491	117	14766	51.65	ng	72
14) bis(2-Chloroethyl)ether	5.507	93	43294	52.50	ng	90
16) Phenol	5.426	94	63335	52.52	ng	97
17) 2-Chlorophenol	5.549	128	45593	50.69	ng	90
18) N-Decane	5.598	57	56137	55.33	ng	89
19) 1,3-Dichlorobenzene	5.683	146	50251	48.95	ng	97
20) 1,4-Dichlorobenzene	5.747	146	52645	50.41	ng	99
21) 1,2-Dichlorobenzene	5.870	146	48770	49.29	ng	99
22) Benzyl alcohol	5.844	108	29647	51.22	ng	97
23) bis(2-chloroisopropyl)...	5.961	45	67383	56.40	ng	79
24) 2-Methylphenol	5.935	108	42255	50.37	ng	99
25) Acetophenone	6.063	105	66643	50.98	ng	86
26) Hexachloroethane	6.143	117	20371	52.03	ng	91
27) N-Nitroso-di-n-propyla...	6.063	70	39142	52.65	ng	83
28) 3&4-Methylphenol	6.058	108	45351	48.25	ng	88
31) Nitrobenzene	6.197	77	54434	54.40	ng	92
32) Isophorone	6.384	82	94033	53.54	ng	95
33) 2-Nitrophenol	6.448	139	24826	52.83	ng	91
34) 2,4-Dimethylphenol	6.475	107	47958	52.33	ng	97
35) Benzoic Acid	6.539	105	23529m	39.10	ng	
36) bis(2-Chloroethoxy)met...	6.550	93	53251	52.58	ng	99
37) 2,4-Dichlorophenol	6.625	162	38524	51.23	ng	92
38) 1,2,4-Trichlorobenzene	6.694	180	46320	51.93	ng	98
39) Naphthalene	6.758	128	135979	48.95	ng	98
40) 4-Chloroaniline	6.790	127	72002	72.82	ng	96
41) Hexachlorobutadiene	6.844	225	24509	53.21	ng	97
42) Caprolactam	7.058	113	15011	47.25	ng	74
43) 4-Chloro-3-methylphenol	7.154	107	42175	52.25	ng	87
44) 2-Methylnaphthalene	7.282	142	88268	49.46	ng	95
45) Methylnaphthalenes (To...	7.282	142	88285	49.47	ng	95
46) 1,1'-Biphenyl	7.651	154	120648	49.79	ng	94
48) 1,2,4,5-Tetrachloroben...	7.416	216	43496	52.61	ng	99
49) Hexachlorocyclopentadiene	7.405	237	26710	51.17	ng	96
50) 2,4,6-Trichlorophenol	7.502	196	27667m	51.53	ng	
51) 2,4,5-Trichlorophenol	7.534	196	28360	51.70	ng	97
53) 2-Chloronaphthalene	7.678	162	84991	50.61	ng	93
54) 1,4-Dimethylnaphthalene	7.951	156	70099	50.40	ng	89
55) Dimethylnaphthalenes (...	7.951	156	70099	50.40	ng	89
56) Diphenyl Ether	7.737	170	65639	50.05	ng	81
57) 2-Nitroaniline	7.753	65	38555	55.47	ng	84
58) Coumarin	7.935	146	33945	48.81	ng	56
59) Acenaphthylene	8.031	152	139875	50.11	ng	98
60) Dimethylphthalate	7.897	163	100739	50.67	ng	99
61) 2,6-Dinitrotoluene	7.956	165	22381	49.50	ng	72
62) Acenaphthene	8.181	153	88711	48.71	ng	96
63) 3-Nitroaniline	8.101	138	23500	55.70	ng	90
64) 2,4-Dinitrophenol	8.192	184	13985	44.36	ng	55
65) Dibenzofuran	8.336	168	124545	50.43	ng	85

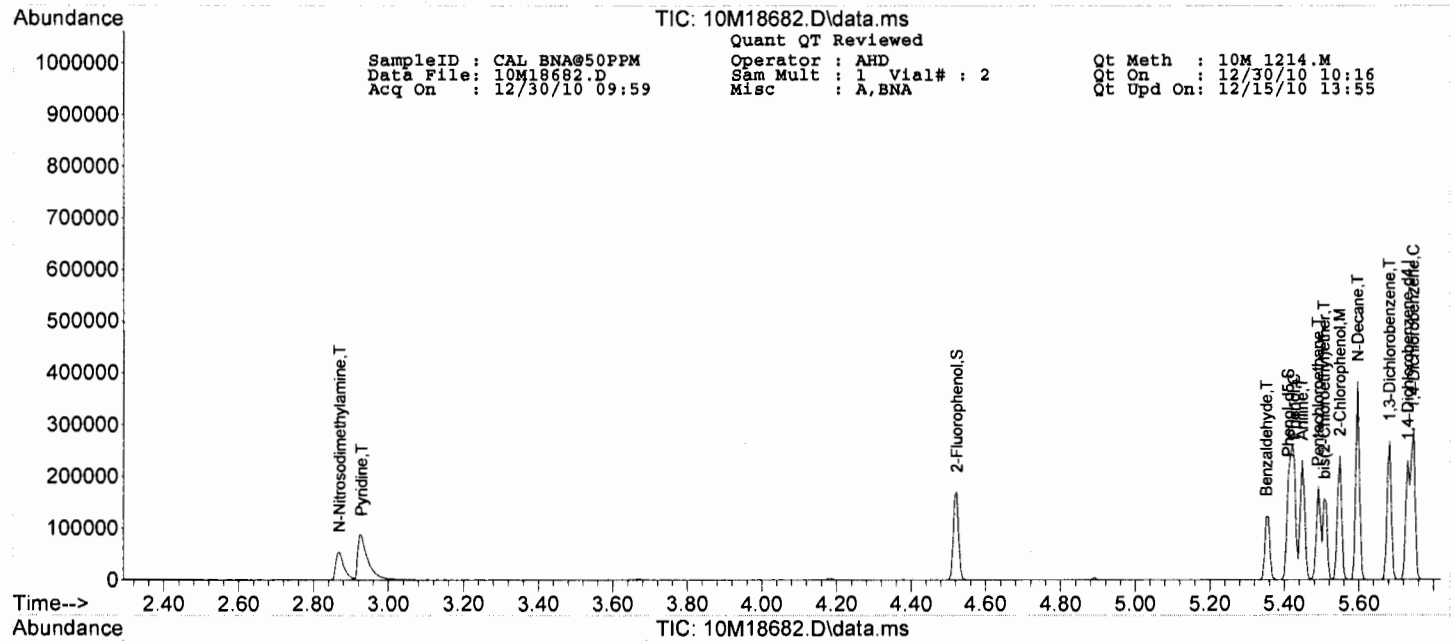
Quantitation Report (QT Reviewed)

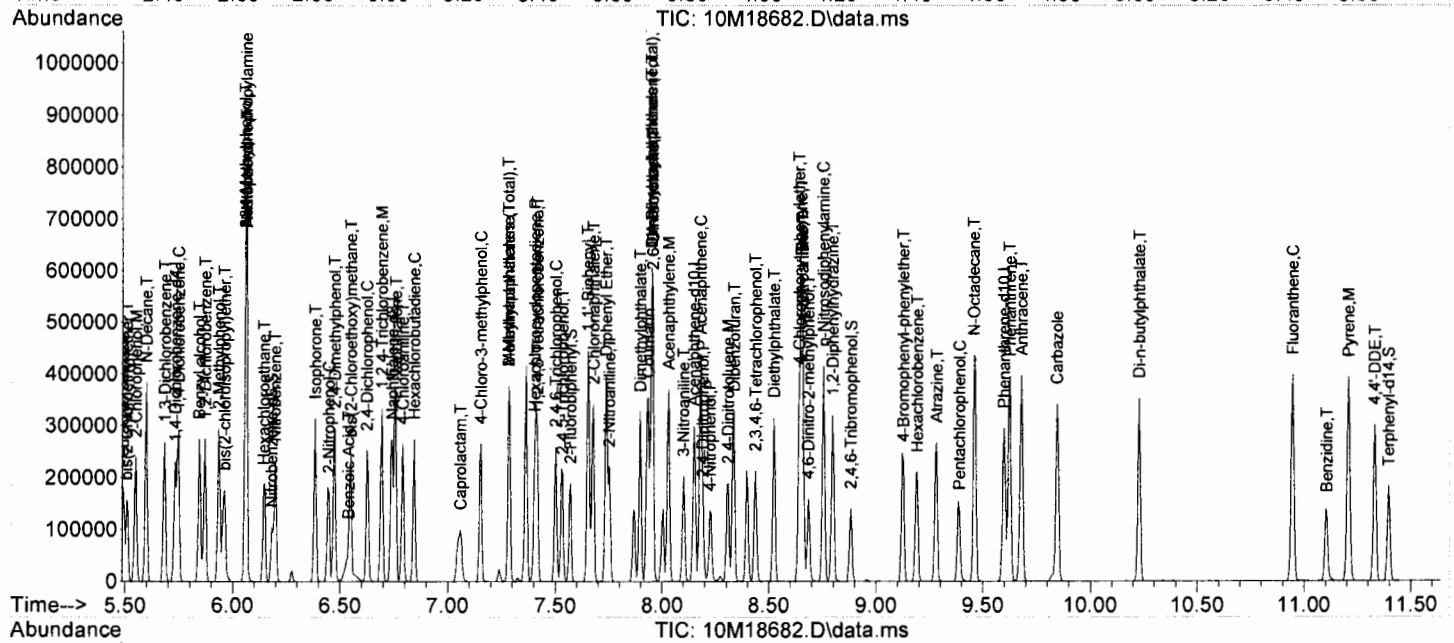
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18682.D Sam Mult : 1 Vial# : 2 Qt On : 12/30/10 10:16
Acq On : 12/30/10 09:59 Misc : A,BNA Qt Upd On: 12/15/10 13:55

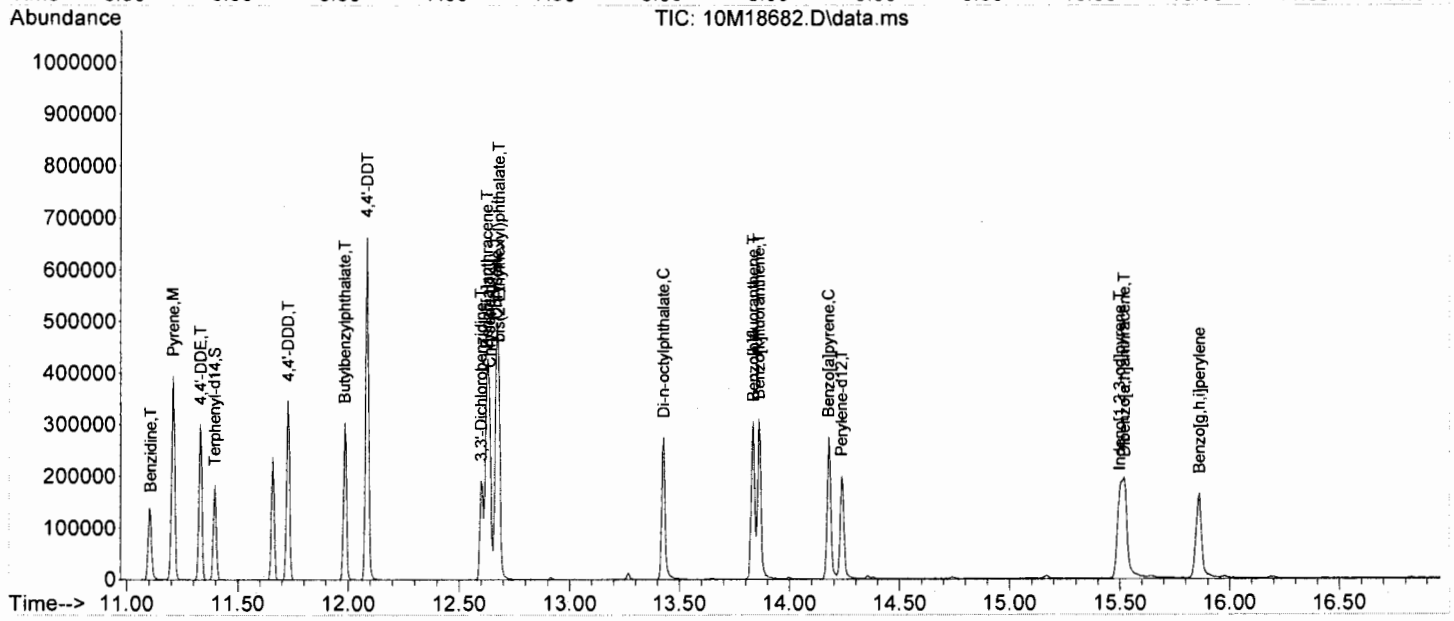
Data Path : G:\GcMsData\2010\GCMS_10\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.309	165	30308	48.02	ng	71
67)	4-Nitrophenol	8.224	65	21725	46.33	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.438	232	22579	49.93	ng	85
69)	Fluorene	8.652	166	103137	48.84	ng	97
70)	4-Chlorophenyl-phenyle...	8.641	204	48434	51.16	ng	87
71)	Diethylphthalate	8.523	149	96282	48.93	ng	96
72)	4-Nitroaniline	8.657	138	25406	50.14	ng	87
73)	Atrazine	9.283	200	28928	50.56	ng	96
75)	4,6-Dinitro-2-methylph...	8.684	198	19176	49.00	ng	55
76)	n-Nitrosodiphenylamine	8.753	169	88538	48.91	ng	99
78)	1,2-Diphenylhydrazine	8.796	77	110606	49.00	ng	91
79)	4-Bromophenyl-phenylether	9.128	248	26314	52.55	ng	87
80)	Hexachlorobenzene	9.192	284	28203	53.15	ng	64
81)	N-Octadecane	9.459	57	74169	54.59	ng	88
82)	Pentachlorophenol	9.390	266	16985	48.34	ng	95
83)	Phenanthrene	9.625	178	146073	48.11	ng	98
84)	Anthracene	9.679	178	149458	48.40	ng	99
85)	Carbazole	9.844	167	138733	47.79	ng	95
86)	Di-n-butylphthalate	10.229	149	162282	47.42	ng	98
87)	Fluoranthene	10.946	202	157669	49.33	ng	92
89)	Pyrene	11.208	202	160846	50.07	ng	89
90)	Benzidine	11.107	184	57147	33.63	ng	87
92)	4,4'-DDE	11.331	246	32733	49.97	ng	96
93)	4,4'-DDD	11.727	235	60665	50.27	ng	92
94)	Butylbenzylphthalate	11.984	149	68334	45.94	ng	80
95)	4,4'-DDT	12.085	235	51169	49.58	ng	98
96)	3,3'-Dichlorobenzidine	12.599	252	42771	48.52	ng	97
97)	Benzo[a]anthracene	12.626	228	139424	49.00	ng	99
98)	Chrysene	12.668	228	135190	48.23	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.679	149	92707	43.80	ng	95
101)	Di-n-octylphthalate	13.428	149	142112	41.01	ng	99
102)	Benzo[b]fluoranthene	13.834	252	130200m	52.96	ng	
103)	Benzo[k]fluoranthene	13.861	252	124037m	49.12	ng	
104)	Benzo[a]pyrene	14.177	252	123658	51.27	ng	96
105)	Indeno[1,2,3-cd]pyrene	15.498	276	127643	51.00	ng	87
106)	Dibenzo[a,h]anthracene	15.519	278	101148	50.10	ng	87
107)	Benzo[g,h,i]perylene	15.862	276	107710	51.82	ng	85

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


Abundance
TIC: 10M18682.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M18682.D
Acq On : 12/30/10 09:59
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/30/10 10:16
Qt Upd On: 12/15/10 13:55
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
2-Chlorophenol,M
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M18682.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,M
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M18682.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,T
Benzo[g,h,i]perylene
Time-->

SPLP
GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP **Data File:** 9M30990.D
Instrument: GCMS 9 **Analysis Date:** 12/13/10 08:26
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.539 to 9.539 min

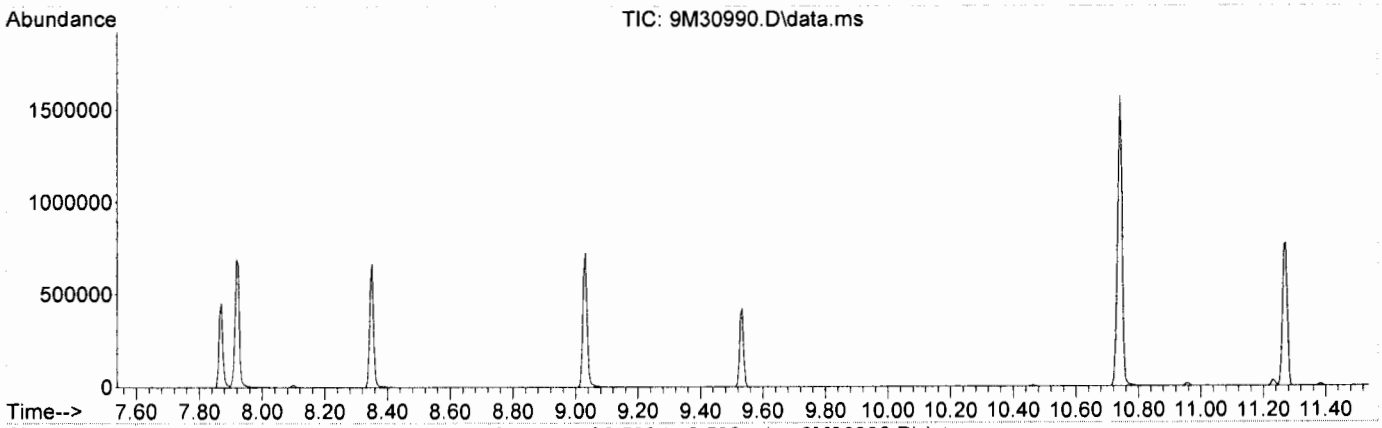
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.0	7374	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.8	7337	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.6	9748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20472	PASS
199	198	5	9	7.5	1539	PASS
275	198	10	30	24.3	4968	PASS
365	198	1	100	2.8	570	PASS
441	443	0.01	100	64.4	2568	PASS
442	198	40	100	92.9	19016	PASS
443	442	17	23	21.0	3989	PASS

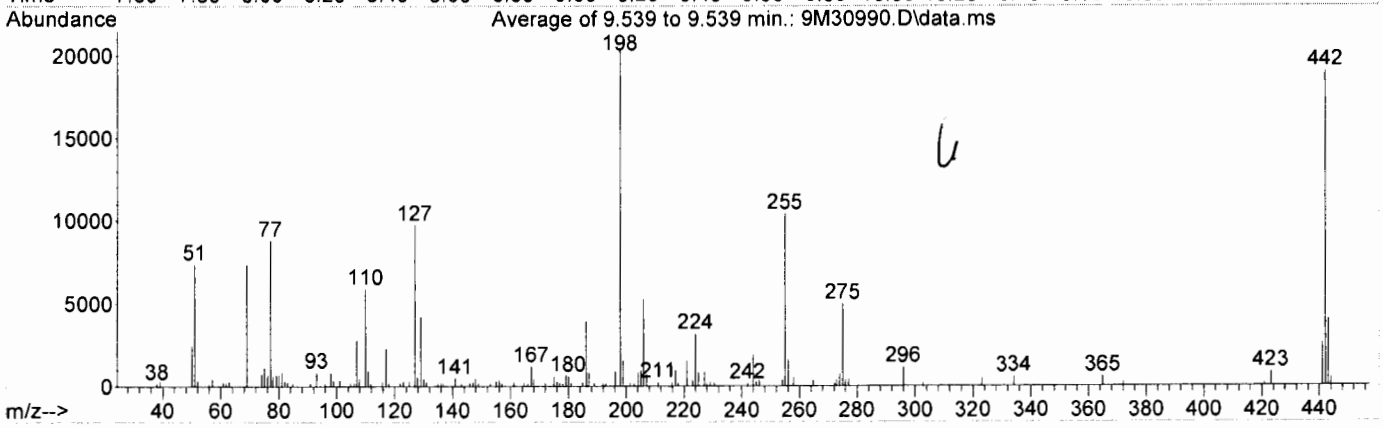
Data File	Sample Number	Analysis Date:
9M30991.D	BNA@50PPM	12/13/10 10:07
9M30992.D	CAL BNA@196PP	12/13/10 10:35
9M30993.D	CAL BNA@160PP	12/13/10 10:58
9M30994.D	CAL BNA@120PP	12/13/10 11:21
9M30995.D	CAL BNA@80PPM	12/13/10 11:44
9M30996.D	CAL BNA@50PPM	12/13/10 12:08
9M30997.D	CAL BNA@20PPM	12/13/10 12:31
9M30998.D	CAL BNA@10PPM	12/13/10 12:54
9M30999.D	CAL BNA@0.5PP	12/13/10 13:17
9M31000.D	CAL BNA@2PPM	12/13/10 13:40
9M31001.D	CAL BNA@50PPM	12/13/10 14:43
9M31002.D	CAL BNA@120PP	12/13/10 15:08
9M31003.D	ICV BNA@50PPM	12/13/10 15:34
9M31004.D	SMB2779	12/13/10 16:10

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-13-10\
Data File : 9M30990.D
Acq On : 13 Dec 2010 8:26
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_1201.M
Title : @GCMS_9,mg,625,8270
Last Update : Wed Dec 01 16:42:22 2010





Spectrum Information: Average of 9.539 to 9.539 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.0	7374	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.8	7337	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.6	9748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20472	PASS
199	198	5	9	7.5	1539	PASS
275	198	10	30	24.3	4968	PASS
365	198	1	100	2.8	570	PASS
441	443	0.01	100	64.4	2568	PASS
442	198	40	100	92.9	19016	PASS
443	442	17	23	21.0	3989	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M18327.D
Instrument: GCMS 10 **Analysis Date:** 12/14/10 09:30
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.946 to 9.952 min

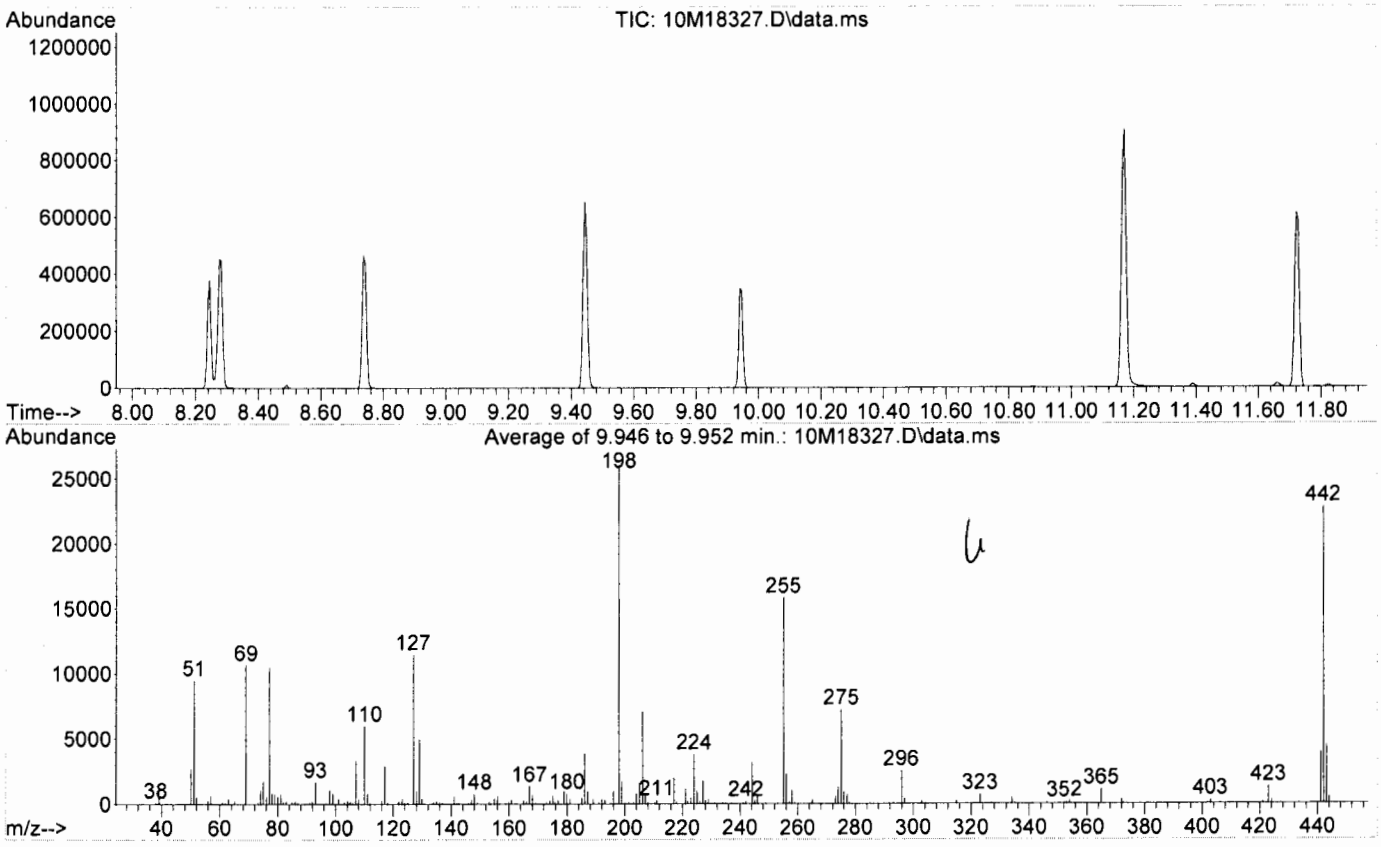
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.5	9492	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.1	10682	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.1	11478	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	26017	PASS
199	198	5	9	6.7	1751	PASS
275	198	10	30	27.7	7213	PASS
365	198	1	100	4.2	1099	PASS
441	443	0.01	100	87.8	3885	PASS
442	198	40	100	87.6	22788	PASS
443	442	17	23	19.4	4425	PASS

Data File	Sample Number	Analysis Date:
10M18328.D	CAL BNA@50PPM	12/14/10 09:54
10M18329.D	CAL BNA@196PP	12/14/10 10:17
10M18330.D	CAL BNA@160PP	12/14/10 10:40
10M18331.D	CAL BNA@120PP	12/14/10 11:03
10M18332.D	CAL BNA@80PPM	12/14/10 11:26
10M18333.D	CAL BNA@20PPM	12/14/10 11:49
10M18334.D	CAL BNA@10PPM	12/14/10 12:14
10M18335.D	CAL BNA@0.5PP	12/14/10 12:37
10M18336.D	CAL BNA@2PPM	12/14/10 13:00
10M18337.D	ICV BNA@50PPM	12/14/10 13:35

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-14-10\
Data File : 10M18327.D
Acq On : 14 Dec 2010 9:30
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_10\METHODQT\10M_1213.M
Title : @GCMS_10,mg,625,8270
Last Update : Tue Dec 14 09:55:19 2010



Spectrum Information: Average of 9.946 to 9.952 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.5	9492	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.1	10682	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.1	11478	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	26017	PASS
199	198	5	9	6.7	1751	PASS
275	198	10	30	27.7	7213	PASS
365	198	1	100	4.2	1099	PASS
441	443	0.01	100	87.8	3885	PASS
442	198	40	100	87.6	22788	PASS
443	442	17	23	19.4	4425	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M63635.D
Instrument: GCMS 5 **Analysis Date:** 12/23/10 08:16
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.975 to 9.986 min

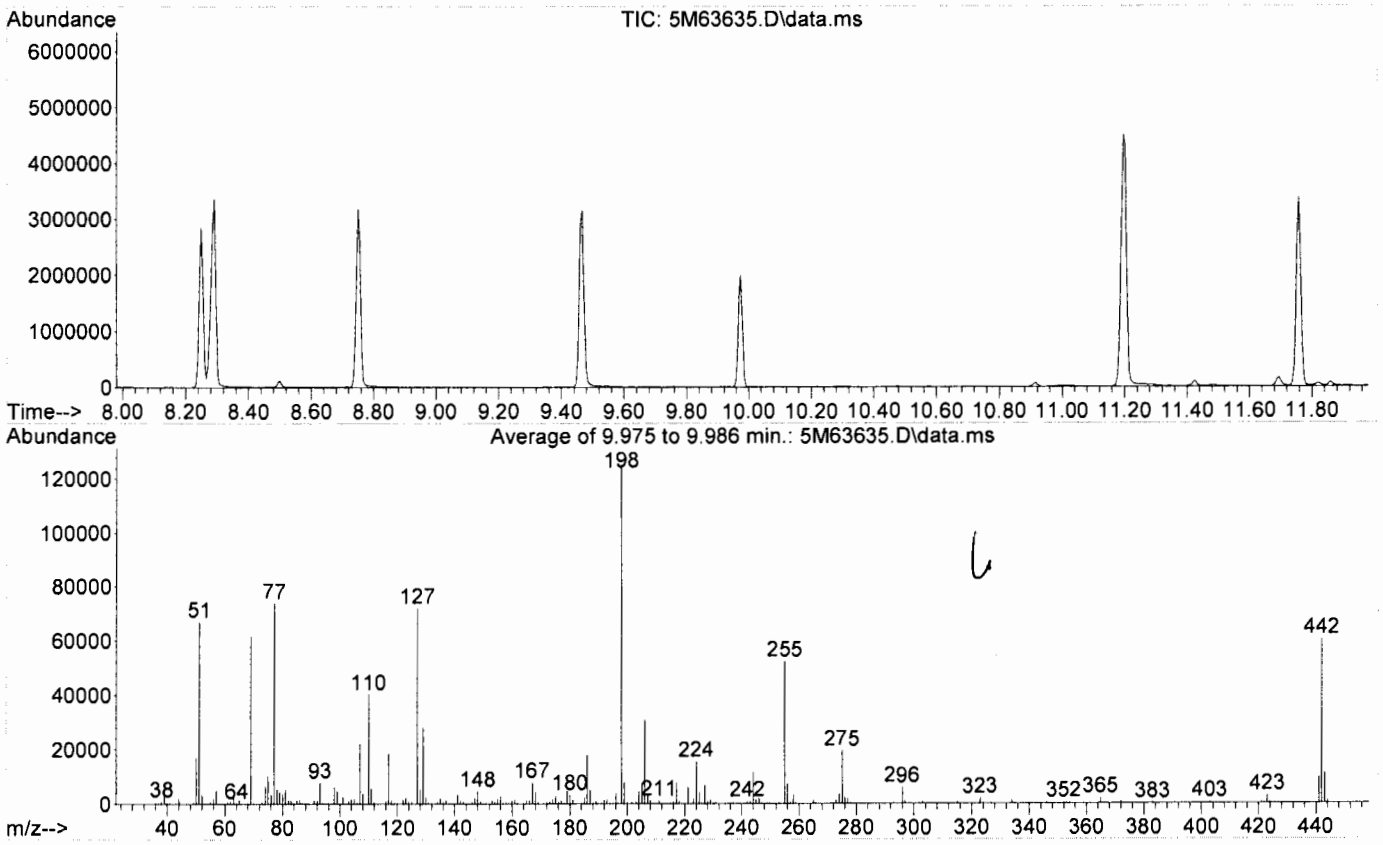
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	53.5	66993	PASS
68	69	0.00	2	0.8	488	PASS
69	198	0.00	100	49.3	61755	PASS
70	69	0.00	2	0.6	353	PASS
127	198	40	60	57.6	72090	PASS
197	198	0.00	1	0.2	285	PASS
198	198	100	100	100.0	125195	PASS
199	198	5	9	6.4	7975	PASS
275	198	10	30	15.6	19544	PASS
365	198	1	100	1.6	1998	PASS
441	443	0.01	100	85.7	9610	PASS
442	198	40	100	48.2	60381	PASS
443	442	17	23	18.6	11207	PASS

Data File	Sample Number	Analysis Date:
5M63636.D	CAL BNA@50PPM	12/23/10 09:00
5M63637.D	CAL BNA@196PP	12/23/10 09:23
5M63638.D	CAL BNA@160PP	12/23/10 09:47
5M63639.D	CAL BNA@120PP	12/23/10 10:10
5M63640.D	CAL BNA@80PPM	12/23/10 10:34
5M63641.D	CAL BNA@50PPM	12/23/10 10:58
5M63642.D	CAL BNA@20PPM	12/23/10 11:21
5M63643.D	CAL BNA@10PPM	12/23/10 11:45
5M63644.D	CAL BNA@0.5PP	12/23/10 12:08
5M63645.D	CAL BNA@2PPM	12/23/10 12:31
5M63646.D	CAL BNA@50PPM	12/23/10 12:55
5M63647.D	CAL BNA@0.5PP	12/23/10 13:52
5M63648.D	ICV BNA@50PPM	12/23/10 14:45
5M63649.D	WMB2794	12/23/10 15:09

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-23-10\
Data File : 5M63635.D
Acq On : 23 Dec 2010 8:16
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_1121.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Dec 22 15:34:03 2010



Spectrum Information: Average of 9.975 to 9.986 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.5	66993	PASS
68	69	0.00	2	0.8	488	PASS
69	198	0.00	100	49.3	61755	PASS
70	69	0.00	2	0.6	353	PASS
127	198	40	60	57.6	72090	PASS
197	198	0.00	1	0.2	285	PASS
198	198	100	100	100.0	125195	PASS
199	198	5	9	6.4	7975	PASS
275	198	10	30	15.6	19544	PASS
365	198	1	100	1.6	1998	PASS
441	443	0.01	100	85.7	9610	PASS
442	198	40	100	48.2	60381	PASS
443	442	17	23	18.6	11207	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M63696.D
Instrument: GCMS 5 **Analysis Date:** 12/29/10 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.975 to 9.980 min

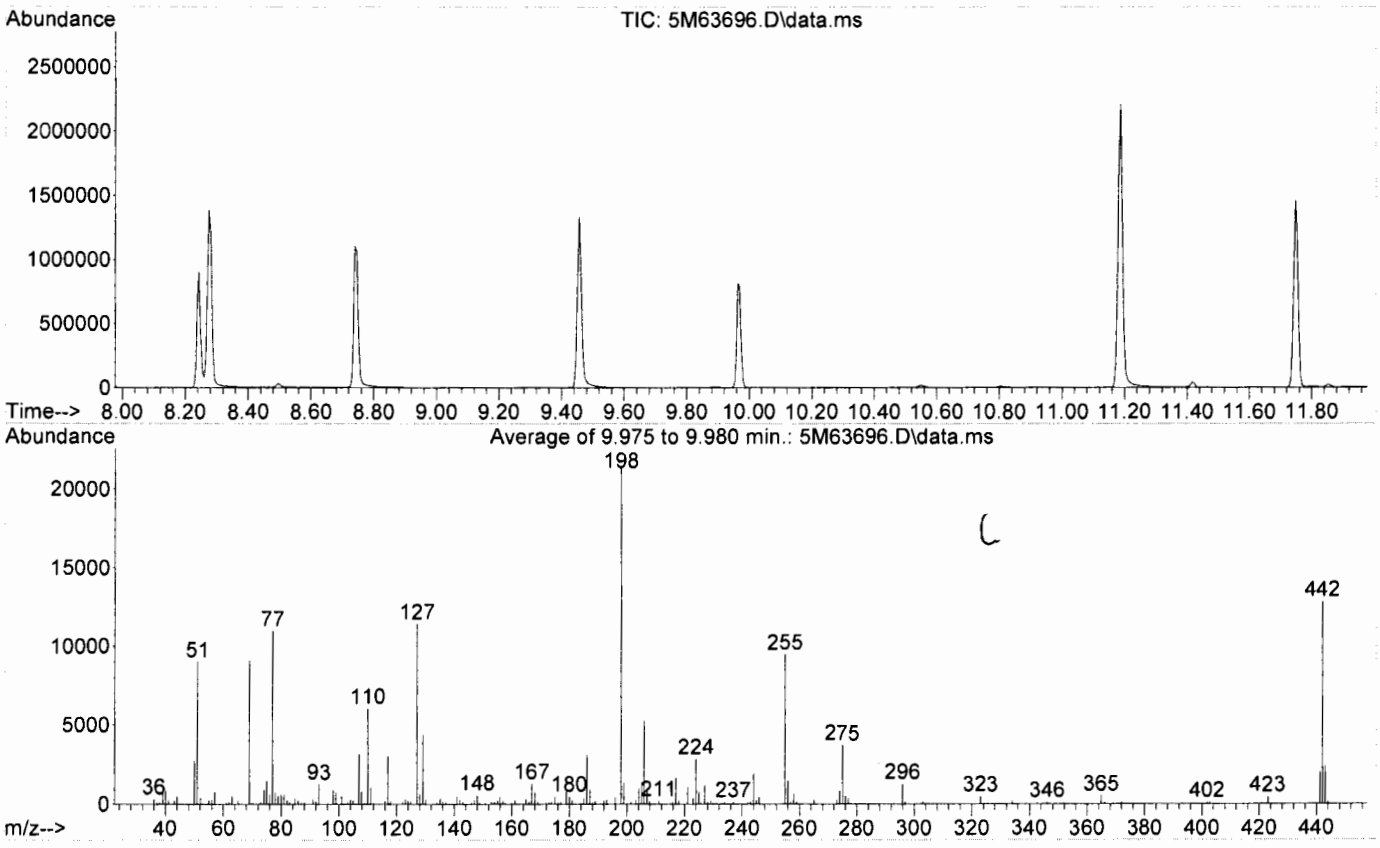
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.0	9020	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.4	9109	PASS
70	69	0.00	2	1.1	103	PASS
127	198	40	60	53.1	11420	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	21489	PASS
199	198	5	9	6.2	1339	PASS
275	198	10	30	17.3	3717	PASS
365	198	1	100	2.4	517	PASS
441	443	0.01	100	85.3	2032	PASS
442	198	40	100	59.7	12818	PASS
443	442	17	23	18.6	2382	PASS

Data File	Sample Number	Analysis Date:
5M63697.D	BNA@50PPM	12/29/10 09:51
5M63698.D	CAL BNA@50PPM	12/29/10 10:16
5M63699.D	TEST33	12/29/10 10:41
5M63700.D	WMB4133(MS)	12/29/10 11:28
5M63701.D	WMB4133	12/29/10 11:52
5M63702.D	AC56464-001(T)	12/29/10 12:16
5M63703.D	AC56464-001(T)(M	12/29/10 12:39
5M63704.D	WMB4136(MS)	12/29/10 13:03
5M63705.D	WMB4136	12/29/10 13:27
5M63706.D	AC56464-001(T)(M	12/29/10 13:50
5M63707.D	AC56464-002(T)	12/29/10 14:14
5M63708.D	AC56464-003(T)	12/29/10 14:38
5M63709.D	AC56498-001	12/29/10 15:02
5M63710.D	AC56498-001(MS)	12/29/10 15:25
5M63711.D	AC56498-001(MSD	12/29/10 15:49
5M63712.D	AC56498-002	12/29/10 16:13
5M63713.D	AC56475-004(T)	12/29/10 16:37
5M63714.D	AC56491-001	12/29/10 17:01
5M63715.D	AC56511-001	12/29/10 17:24
5M63716.D	AC56520-003	12/29/10 17:48
5M63717.D	AC56520-002	12/29/10 18:11

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Data File : 5M63696.D
Acq On : 29 Dec 2010 9:18
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_1223.M
Title : @GCMS_5,mg,625,8270
Last Update : Thu Dec 23 14:12:19 2010



Spectrum Information: Average of 9.975 to 9.980 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.0	9020	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.4	9109	PASS
70	69	0.00	2	1.1	103	PASS
127	198	40	60	53.1	11420	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	21489	PASS
199	198	5	9	6.2	1339	PASS
275	198	10	30	17.3	3717	PASS
365	198	1	100	2.4	517	PASS
441	443	0.01	100	85.3	2032	PASS
442	198	40	100	59.7	12818	PASS
443	442	17	23	18.6	2382	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M31335.D
Instrument: GCMS 9 **Analysis Date:** 12/29/10 09:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.366 to 9.377 min

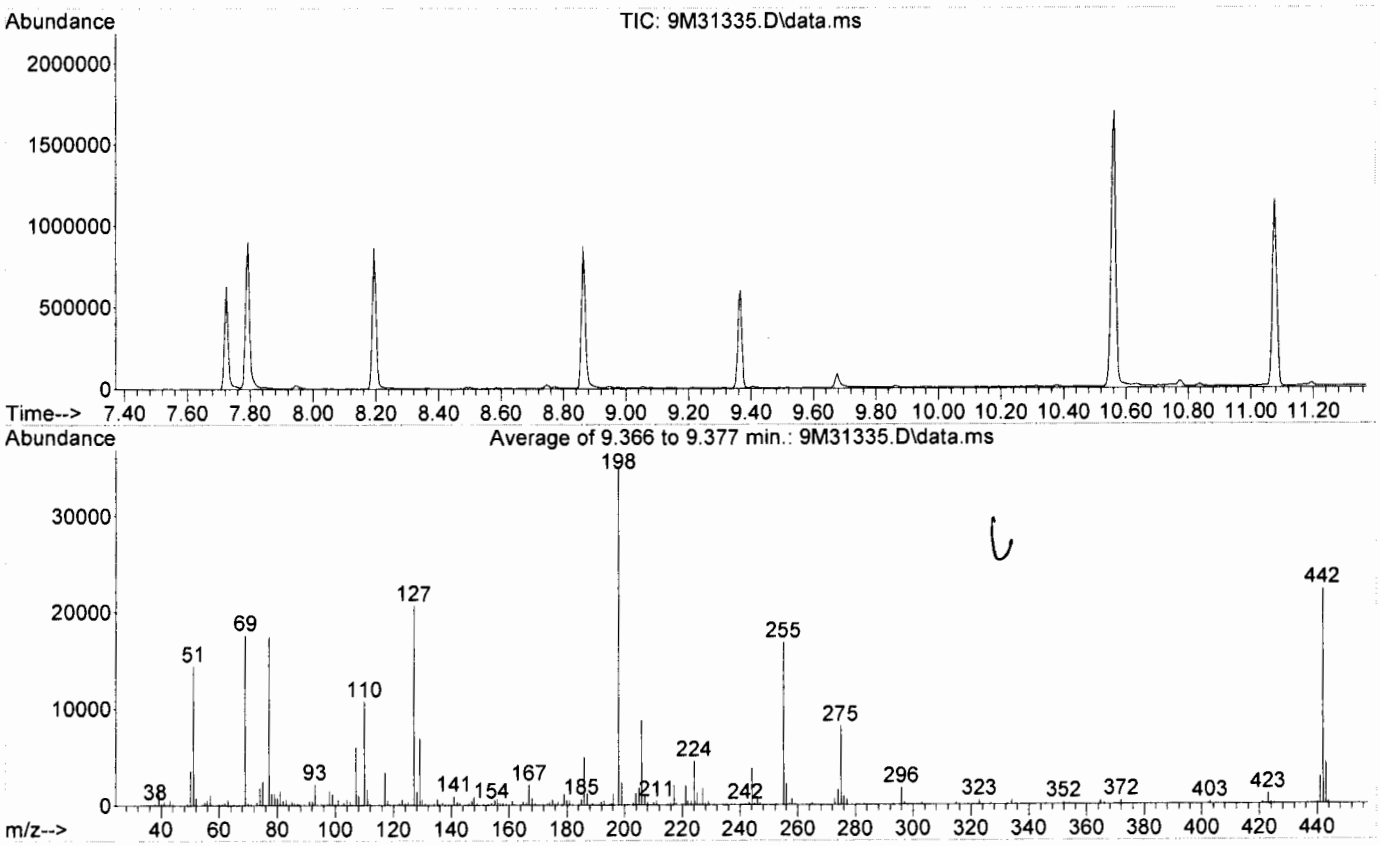
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.9	14384	PASS
68	69	0.00	2	0.5	90	PASS
69	198	0.00	100	50.1	17620	PASS
70	69	0.00	2	1.4	241	PASS
127	198	40	60	58.8	20672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35150	PASS
199	198	5	9	6.7	2347	PASS
275	198	10	30	23.3	8175	PASS
365	198	1	100	1.1	377	PASS
441	443	0.01	100	65.7	2830	PASS
442	198	40	100	63.4	22283	PASS
443	442	17	23	19.3	4308	PASS

Data File	Sample Number	Analysis Date:
9M31336.D	CAL BNA@50PPM	12/29/10 10:14
9M31337.D	SMB4129(MS)	12/29/10 10:37
9M31338.D	AC56495-001(3X)	12/29/10 11:02
9M31339.D	AC56381-002(R)	12/29/10 11:25
9M31340.D	AC56495-001(50X)	12/29/10 11:48
9M31341.D	AC56495-002(50X)	12/29/10 12:11
9M31342.D	AC56425-006	12/29/10 12:34
9M31343.D	AC56425-009	12/29/10 12:57
9M31344.D	AC56344-002(3X)	12/29/10 13:20
9M31345.D	AC56495-001(50X)	12/29/10 13:43
9M31346.D	AC56495-001(50X)	12/29/10 14:06
9M31347.D	AC56500-001(10X)	12/29/10 14:29
9M31348.D	AC56500-002	12/29/10 14:52
9M31349.D	WMB4133	12/29/10 15:16
9M31350.D	WMB4136	12/29/10 15:39
9M31351.D	AC56495-001(20X)	12/29/10 16:02
9M31352.D	AC56495-002(20X)	12/29/10 16:25
9M31353.D	AC56526-010	12/29/10 16:48
9M31354.D	AC56526-011(10X)	12/29/10 17:11
9M31355.D	AC56526-012	12/29/10 17:34
9M31356.D	AC56526-013	12/29/10 17:57
9M31357.D	AC56495-001(T)	12/29/10 18:20
9M31358.D	AC56495-002(T)	12/29/10 18:43
9M31359.D	TEST	12/29/10 19:06
9M31360.D	TEST	12/29/10 19:28
9M31361.D	TEST	12/29/10 19:51
9M31362.D	TEST	12/29/10 20:14

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Data File : 9M31335.D
Acq On : 29 Dec 2010 9:50
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_1214.M
Title : @GCMS_9,mg,625,8270
Last Update : Tue Dec 14 14:01:13 2010



Spectrum Information: Average of 9.366 to 9.377 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	14384	PASS
68	69	0.00	2	0.5	90	PASS
69	198	0.00	100	50.1	17620	PASS
70	69	0.00	2	1.4	241	PASS
127	198	40	60	58.8	20672	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35150	PASS
199	198	5	9	6.7	2347	PASS
275	198	10	30	23.3	8175	PASS
365	198	1	100	1.1	377	PASS
441	443	0.01	100	65.7	2830	PASS
442	198	40	100	63.4	22283	PASS
443	442	17	23	19.3	4308	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M18681.D
Instrument: GCMS 10 **Analysis Date:** 12/30/10 09:37
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.887 to 9.893 min

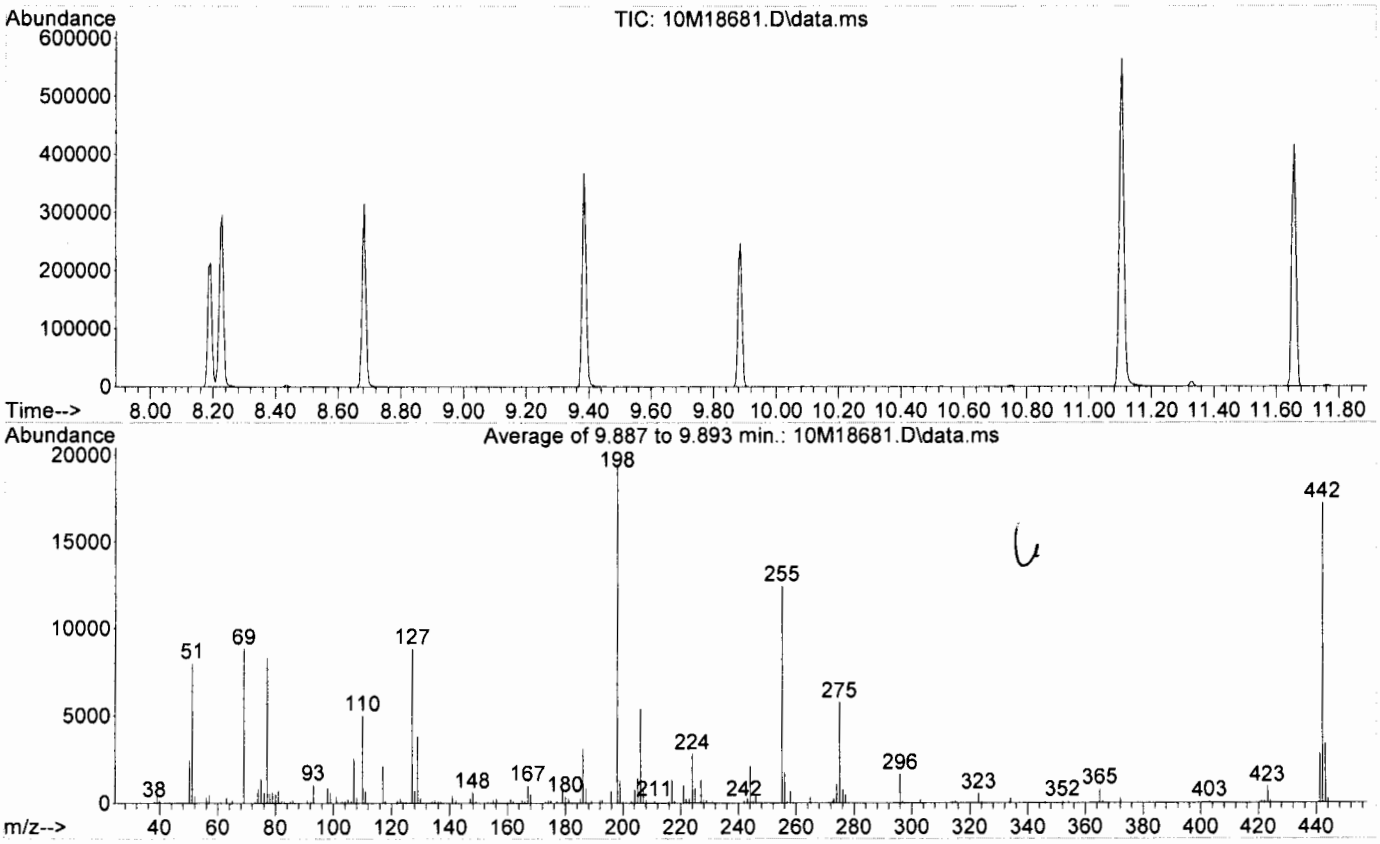
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.2	8004	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.5	8840	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.4	8833	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	19441	PASS
199	198	5	9	6.7	1297	PASS
275	198	10	30	29.7	5778	PASS
365	198	1	100	4.1	791	PASS
441	443	0.01	100	83.3	2837	PASS
442	198	40	100	88.6	17225	PASS
443	442	17	23	19.8	3406	PASS

Data File	Sample Number	Analysis Date:
10M18682.D	CAL BNA@50PPM	12/30/10 09:59
10M18683.D	WMB4148	12/30/10 10:23
10M18684.D	OMB4146	12/30/10 10:45
10M18685.D	SMB4147	12/30/10 11:08
10M18686.D	WMB4148(MS)	12/30/10 11:34
10M18687.D	OMB4146(MS)	12/30/10 12:09
10M18688.D	EF-DI H2O(12/23)	12/30/10 12:32
10M18689.D	AC56547-004	12/30/10 12:55
10M18690.D	AC56547-004(MS)	12/30/10 13:18
10M18691.D	AC56547-004(MSD	12/30/10 13:41
10M18692.D	AC56547-003	12/30/10 14:04
10M18693.D	AC56547-001	12/30/10 14:26
10M18694.D	AC56547-002	12/30/10 14:49
10M18695.D	AC56528-001	12/30/10 15:12
10M18696.D	AC56528-002	12/30/10 15:35
10M18697.D	AC56526-014	12/30/10 15:57
10M18698.D	AC56551-001	12/30/10 16:20
10M18699.D	AC56551-002	12/30/10 16:43
10M18700.D	AC56547-002	12/30/10 17:06
10M18701.D	AC56528-002	12/30/10 17:29
10M18702.D	AC56536-001	12/30/10 17:52
10M18703.D	AC56536-004	12/30/10 18:15

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-30-10\
Data File : 10M18681.D
Acq On : 30 Dec 2010 9:37
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270
Last Update : Tue Dec 14 13:33:39 2010



Spectrum Information: Average of 9.887 to 9.893 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.2	8004	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.5	8840	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.4	8833	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	19441	PASS
199	198	5	9	6.7	1297	PASS
275	198	10	30	29.7	5778	PASS
365	198	1	100	4.1	791	PASS
441	443	0.01	100	83.3	2837	PASS
442	198	40	100	88.6	17225	PASS
443	442	17	23	19.8	3406	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4136
Client Id:
Data File: 9M31350.D
Analysis Date: 12/29/10 15:39
Date Rec/Extracted: NA-12/29/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.00012	U	207-08-9	Benzo[k]fluoranthene	0.00024	U
95-95-4	2,4,5-Trichlorophenol	0.0018	U	65-85-0	Benzoic Acid	0.0020	U
88-06-2	2,4,6-Trichlorophenol	0.00090	U	111-91-1	bis(2-Chloroethoxy)methan	0.00013	U
120-83-2	2,4-Dichlorophenol	0.00061	U	111-44-4	bis(2-Chloroethyl)ether	0.00027	U
105-67-9	2,4-Dimethylphenol	0.00070	U	108-60-1	bis(2-chloroisopropyl)ether	0.00025	U
51-28-5	2,4-Dinitrophenol	0.0011	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.00022	U
121-14-2	2,4-Dinitrotoluene	0.00021	U	85-68-7	Butylbenzylphthalate	0.00015	U
606-20-2	2,6-Dinitrotoluene	0.00032	U	86-74-8	Carbazole	0.00015	U
91-58-7	2-Chloronaphthalene	0.00019	U	218-01-9	Chrysene	0.00016	U
95-57-8	2-Chlorophenol	0.00075	U	53-70-3	Dibenzo[a,h]anthracene	0.00018	U
91-57-6	2-Methylnaphthalene	0.00079	U	132-64-9	Dibenzofuran	0.0011	U
95-48-7	2-Methylphenol	0.0020	U	84-66-2	Diethylphthalate	0.00019	U
88-74-4	2-Nitroaniline	0.00083	U	131-11-3	Dimethylphthalate	0.00018	U
88-75-5	2-Nitrophenol	0.00058	U	84-74-2	Di-n-butylphthalate	0.00019	U
106-44-5	3&4-Methylphenol	0.0018	U	117-84-0	Di-n-octylphthalate	0.00020	U
91-94-1	3,3'-Dichlorobenzidine	0.00091	U	206-44-0	Fluoranthene	0.00014	U
99-09-2	3-Nitroaniline	0.0019	U	86-73-7	Fluorene	0.00020	U
534-52-1	4,6-Dinitro-2-methylphenol	0.00059	U	118-74-1	Hexachlorobenzene	0.00027	U
101-55-3	4-Bromophenyl-phenylether	0.00022	U	87-68-3	Hexachlorobutadiene	0.00028	U
59-50-7	4-Chloro-3-methylphenol	0.00058	U	77-47-4	Hexachlorocyclopentadiene	0.00083	U
106-47-8	4-Chloroaniline	0.0011	U	67-72-1	Hexachloroethane	0.00034	U
7005-72-3	4-Chlorophenyl-phenylether	0.00024	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.00013	U
100-01-6	4-Nitroaniline	0.0016	U	78-59-1	Isophorone	0.00015	U
100-02-7	4-Nitrophenol	0.00050	U	91-20-3	Naphthalene	0.00016	U
83-32-9	Acenaphthene	0.00021	U	98-95-3	Nitrobenzene	0.00032	U
208-96-8	Acenaphthylene	0.00014	U	62-75-9	N-Nitrosodimethylamine	0.0015	U
62-53-3	Aniline	0.00062	U	621-64-7	N-Nitroso-di-n-propylamine	0.00027	U
120-12-7	Anthracene	0.00034	U	86-30-6	n-Nitrosodiphenylamine	0.00029	U
92-87-5	Benzidine	0.0059	U	87-86-5	Pentachlorophenol	0.0011	U
56-55-3	Benzo[a]anthracene	0.00013	U	85-01-8	Phenanthrene	0.00015	U
50-32-8	Benzo[a]pyrene	0.00017	U	108-95-2	Phenol	0.00065	U
205-99-2	Benzo[b]fluoranthene	0.000097	U	129-00-0	Pyrene	0.00013	U
191-24-2	Benzo[g,h,i]perylene	0.00017	U				

Worksheet #: 182509

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

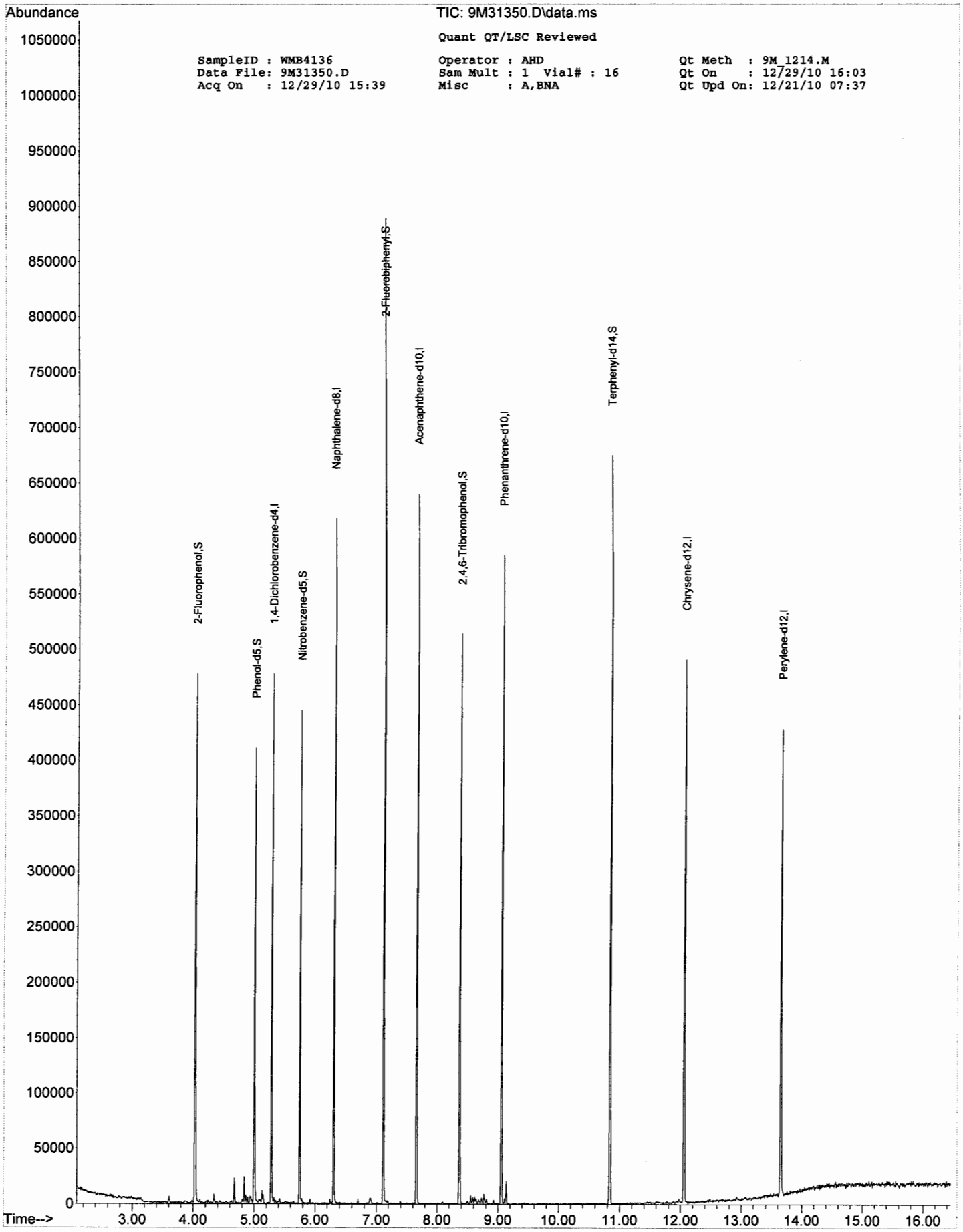
Quantitation Report (QT/LSC Reviewed)

SampleID : WMB4136 Operator : AHD Qt Meth : 9M_1214.M
Data File: 9M31350.D Sam Mult : 1 Vial# : 16 Qt On : 12/29/10 16:03
Acq On : 12/29/10 15:39 Misc : A,BNA Qt Upd On: 12/21/10 07:37

Data Path : G:\GcMsData\2010\GCMS_9\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.280	152	56786	40.00	ng	-0.14
29) Naphthalene-d8	6.302	136	218036	40.00	ng	-0.14
47) Acenaphthene-d10	7.660	164	124694	40.00	ng	-0.15
74) Phenanthrene-d10	9.056	188	207666	40.00	ng	-0.17
88) Chrysene-d12	12.057	240	172250	40.00	ng	-0.20
100) Perylene-d12	13.651	264	147254	40.00	ng	-0.20
System Monitoring Compounds						
10) 2-Fluorophenol	4.028	112	142026	70.71	ng	-0.14
Spiked Amount 100.000			Recovery = 70.71%			
15) Phenol-d5	4.997	99	130461	46.79	ng	-0.12
Spiked Amount 100.000			Recovery = 46.79%			
30) Nitrobenzene-d5	5.745	128	49214	52.52	ng	-0.13
Spiked Amount 50.000			Recovery = 105.04%			
52) 2-Fluorobiphenyl	7.115	172	211510	55.80	ng	-0.14
Spiked Amount 50.000			Recovery = 111.60%			
77) 2,4,6-Tribromophenol	8.366	330	34171	109.07	ng	-0.16
Spiked Amount 100.000			Recovery = 109.07%			
91) Terphenyl-d14	10.837	244	190351	58.68	ng	-0.18
Spiked Amount 50.000			Recovery = 117.36%			
Target Compounds						Qvalue

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


Abundance
TIC: 9M31350.D\data.ms
Quant QT/LSC Reviewed
SampleID : WMB4136
Data File: 9M31350.D
Acq On : 12/29/10 15:39
Operator : AHD
Sam Mult : 1 Vial# : 16
Misc : A,BNA
Qt Meth : 9M_1214.M
Qt On : 12/29/10 16:03
Qt Upd On: 12/21/10 07:37
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-DI H2O(12/23)
Client Id:
Data File: 10M18688.D
Analysis Date: 12/30/10 12:32
Date Rec/Extracted: NA-12/29/10
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: mg/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.00012	U	207-08-9	Benzo[k]fluoranthene	0.00024	U
95-95-4	2,4,5-Trichlorophenol	0.0018	U	65-85-0	Benzoic Acid	0.0020	U
88-06-2	2,4,6-Trichlorophenol	0.00090	U	111-91-1	bis(2-Chloroethoxy)methan	0.00013	U
120-83-2	2,4-Dichlorophenol	0.00061	U	111-44-4	bis(2-Chloroethyl)ether	0.00027	U
105-67-9	2,4-Dimethylphenol	0.00070	U	108-60-1	bis(2-chloroisopropyl)ether	0.00025	U
51-28-5	2,4-Dinitrophenol	0.0011	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.00022	U
121-14-2	2,4-Dinitrotoluene	0.00021	U	85-68-7	Butylbenzylphthalate	0.00015	U
606-20-2	2,6-Dinitrotoluene	0.00032	U	86-74-8	Carbazole	0.00015	U
91-58-7	2-Chloronaphthalene	0.00019	U	218-01-9	Chrysene	0.00016	U
95-57-8	2-Chlorophenol	0.00075	U	53-70-3	Dibenzo[a,h]anthracene	0.00018	U
91-57-6	2-Methylnaphthalene	0.00079	U	132-64-9	Dibenzofuran	0.0011	U
95-48-7	2-Methylphenol	0.0020	U	84-66-2	Diethylphthalate	0.00019	U
88-74-4	2-Nitroaniline	0.00083	U	131-11-3	Dimethylphthalate	0.00018	U
88-75-5	2-Nitrophenol	0.00058	U	84-74-2	Di-n-butylphthalate	0.00019	U
106-44-5	3&4-Methylphenol	0.0018	U	117-84-0	Di-n-octylphthalate	0.00020	U
91-94-1	3,3'-Dichlorobenzidine	0.00091	U	206-44-0	Fluoranthene	0.00014	U
99-09-2	3-Nitroaniline	0.0019	U	86-73-7	Fluorene	0.00020	U
534-52-1	4,6-Dinitro-2-methylphenol	0.00059	U	118-74-1	Hexachlorobenzene	0.00027	U
101-55-3	4-Bromophenyl-phenylether	0.00022	U	87-68-3	Hexachlorobutadiene	0.00028	U
59-50-7	4-Chloro-3-methylphenol	0.00058	U	77-47-4	Hexachlorocyclopentadiene	0.00083	U
106-47-8	4-Chloroaniline	0.0011	U	67-72-1	Hexachloroethane	0.00034	U
7005-72-3	4-Chlorophenyl-phenylether	0.00024	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.00013	U
100-01-6	4-Nitroaniline	0.0016	U	78-59-1	Isophorone	0.00015	U
100-02-7	4-Nitrophenol	0.00050	U	91-20-3	Naphthalene	0.00016	U
83-32-9	Acenaphthene	0.00021	U	98-95-3	Nitrobenzene	0.00032	U
208-96-8	Acenaphthylene	0.00014	U	62-75-9	N-Nitrosodimethylamine	0.0015	U
62-53-3	Aniline	0.00062	U	621-64-7	N-Nitroso-di-n-propylamine	0.00027	U
120-12-7	Anthracene	0.00034	U	86-30-6	n-Nitrosodiphenylamine	0.00029	U
92-87-5	Benzidine	0.0059	U	87-86-5	Pentachlorophenol	0.0011	U
56-55-3	Benzo[a]anthracene	0.00013	U	85-01-8	Phenanthrene	0.00015	U
50-32-8	Benzo[a]pyrene	0.00017	U	108-95-2	Phenol	0.00065	U
205-99-2	Benzo[b]fluoranthene	0.000097	U	129-00-0	Pyrene	0.00013	U
191-24-2	Benzo[g,h,i]perylene	0.00017	U				

Worksheet #: 182509

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

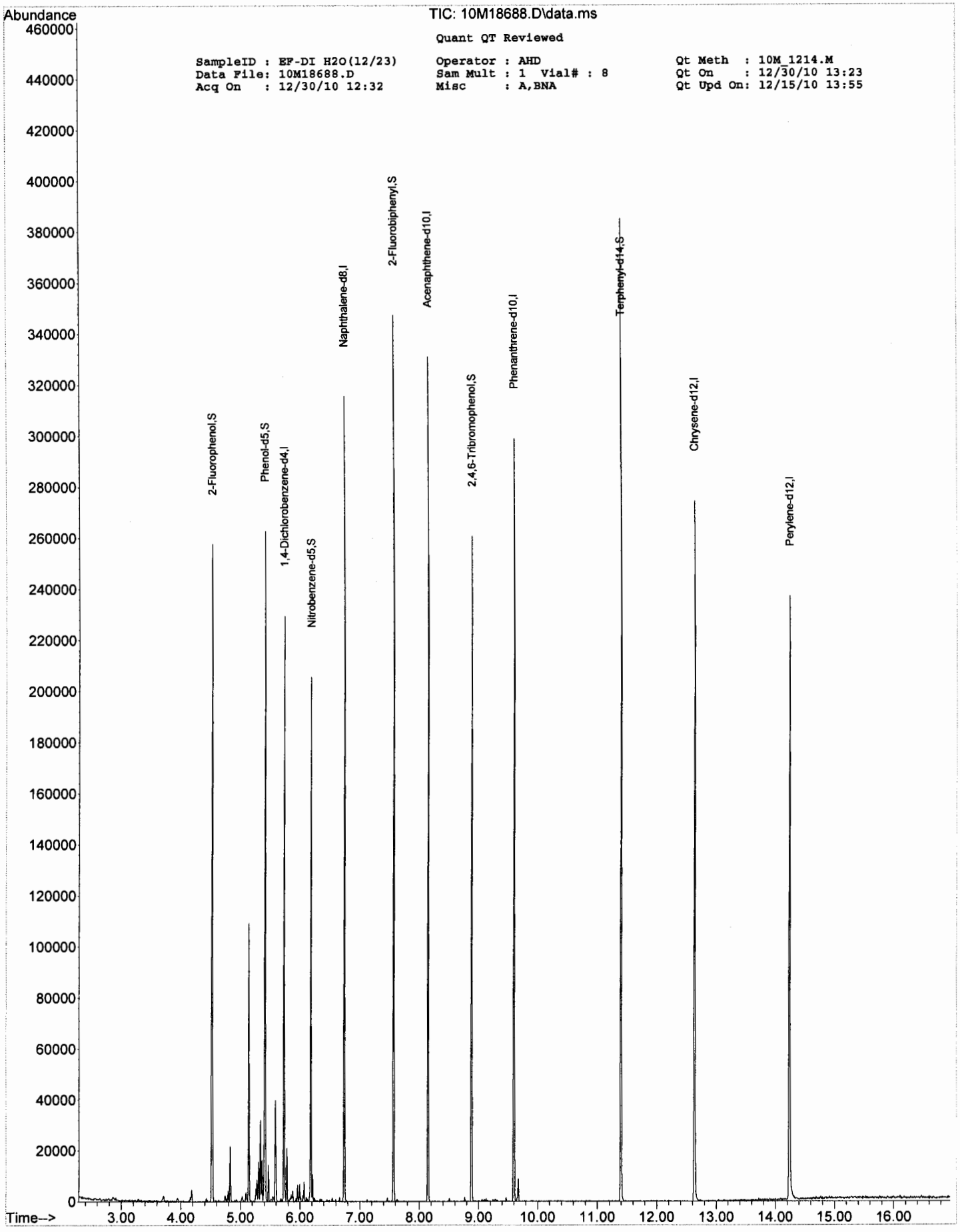
Quantitation Report (QT Reviewed)

SampleID : EF-DI H2O(12/23) Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M18688.D Sam Mult : 1 Vial# : 8 Qt On : 12/30/10 13:23
Acq On : 12/30/10 12:32 Misc : A,BNA Qt Upd On: 12/15/10 13:55

Data Path : G:\GcMsData\2010\GCMS_10\Data\12-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.731	152	27082	40.00	ng	-0.04
29) Naphthalene-d8	6.737	136	97033	40.00	ng	-0.04
47) Acenaphthene-d10	8.149	164	60015	40.00	ng	-0.05
74) Phenanthrene-d10	9.599	188	111571	40.00	ng	-0.05
88) Chrysene-d12	12.631	240	111382	40.00	ng	-0.06
100) Perylene-d12	14.236	264	101860	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.523	112	63392	79.51	ng	-0.03
Spiked Amount 100.000			Recovery = 79.51%			
15) Phenol-d5	5.411	99	65644	60.43	ng	-0.03
Spiked Amount 100.000			Recovery = 60.43%			
30) Nitrobenzene-d5	6.181	128	19714	48.83	ng	-0.04
Spiked Amount 50.000			Recovery = 97.66%			
52) 2-Fluorobiphenyl	7.571	172	96379	51.02	ng	-0.04
Spiked Amount 50.000			Recovery = 102.04%			
77) 2,4,6-Tribromophenol	8.882	330	23876	93.07	ng	-0.05
Spiked Amount 100.000			Recovery = 93.07%			
91) Terphenyl-d14	11.396	244	117210	51.11	ng	-0.05
Spiked Amount 50.000			Recovery = 102.22%			
Target Compounds						Qvalue

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


Abundance
TIC: 10M18688.D\data.ms
Quant QT Reviewed
SampleID : EF-DI H2O(12/23)
Data File: 10M18688.D
Acq On : 12/30/10 12:32
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/30/10 13:23
Qt Upd On: 12/15/10 13:55
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form3
Recovery Data
QC Batch: WMB4136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63704.D	WMB4136(MS)	12/29/2010 1:03:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	70.48	0	100	70	1	93
Phenol	1	45.74	0	100	46	32	98
2-Chlorophenol	1	102.99	0	100	103	64	108
1,4-Dichlorobenzene	1	99.78	0	100	100	52	110
2-Methylphenol	1	95.63	0	100	96	58	113
Hexachloroethane	1	96.74	0	100	97	57	116
N-Nitroso-di-n-propylamine	1	100.64	0	100	101	49	118
3&4-Methylphenol	1	90.36	0	100	90	64	98
Nitrobenzene	1	108.42	0	100	108	80	115
2,4-Dimethylphenol	1	100.66	0	100	101	54	122
1,2,4-Trichlorobenzene	1	94.77	0	100	95	52	120
Naphthalene	1	97.37	0	100	97	61	116
Hexachlorobutadiene	1	96.47	0	100	96	61	118
4-Chloro-3-methylphenol	1	112.45	0	100	112	71	119
2,4,6-Trichlorophenol	1	119.08	0	100	119	89	124
2,4,5-Trichlorophenol	1	117.08	0	100	117	89	129
Acenaphthene	1	102.65	0	100	103	75	110
2,4-Dinitrotoluene	1	102.94	0	100	103	64	120
4-Nitrophenol	1	55.12	0	100	55	35	116
Fluorene	1	104.45	0	100	104	73	113
Hexachlorobenzene	1	100.71	0	100	101	61	120
Pentachlorophenol	1	86.81	0	100	87	76	140
Pyrene	1	105.13	0	100	105	76	118
Butylbenzylphthalate	1	106.72	0	100	107	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63710.D	AC56498-001(MS)	12/29/2010 3:25:00 PM
Non Spike(If applicable):	5M63709.D	AC56498-001	12/29/2010 3:02:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	89.56	0	100	90	1	93
Phenol	1	67.31	0	100	67	32	98
2-Chlorophenol	1	104.75	0	100	105	64	108
1,4-Dichlorobenzene	1	100.58	0	100	101	52	110
2-Methylphenol	1	100.98	0	100	101	58	113
Hexachloroethane	1	98.76	0	100	99	57	116
N-Nitroso-di-n-propylamine	1	99.94	0	100	100	49	118
3&4-Methylphenol	1	104.88	0	100	105*	64	98
Nitrobenzene	1	106.63	0	100	107	80	115
2,4-Dimethylphenol	1	100.5	0	100	100	54	122
1,2,4-Trichlorobenzene	1	93.13	0	100	93	52	120
Naphthalene	1	99.07	0	100	99	61	116
Hexachlorobutadiene	1	96.67	0	100	97	61	118
4-Chloro-3-methylphenol	1	109.78	0	100	110	71	119
2,4,6-Trichlorophenol	1	116.6	0	100	117	89	124
2,4,5-Trichlorophenol	1	112.9	0	100	113	89	129
Acenaphthene	1	101.51	0	100	102	75	110
2,4-Dinitrotoluene	1	101.27	0	100	101	64	120
4-Nitrophenol	1	76.88	0	100	77	35	116
Fluorene	1	102.44	0	100	102	73	113
Hexachlorobenzene	1	97.7	0	100	98	61	120
Pentachlorophenol	1	78.86	0	100	79	76	140
Pyrene	1	105.58	0	100	106	76	118
Butylbenzylphthalate	1	107.82	0	100	108	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63711.D	AC56498-001(MSD)	12/29/2010 3:49:00 PM
Non Spike(If applicable):	5M63709.D	AC56498-001	12/29/2010 3:02:00 PM
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	90.47	0	100	90	1	93
Phenol	1	66.58	0	100	67	32	98
2-Chlorophenol	1	104.49	0	100	104	64	108
1,4-Dichlorobenzene	1	100.64	0	100	101	52	110
2-Methylphenol	1	103.5	0	100	104	58	113
Hexachloroethane	1	100.59	0	100	101	57	116
N-Nitroso-di-n-propylamine	1	104.15	0	100	104	49	118
3&4-Methylphenol	1	104.32	0	100	104 *	64	98
Nitrobenzene	1	108.01	0	100	108	80	115
2,4-Dimethylphenol	1	101.91	0	100	102	54	122
1,2,4-Trichlorobenzene	1	96.4	0	100	96	52	120
Naphthalene	1	96.81	0	100	97	61	116
Hexachlorobutadiene	1	96.81	0	100	97	61	118
4-Chloro-3-methylphenol	1	112.36	0	100	112	71	119
2,4,6-Trichlorophenol	1	117.01	0	100	117	89	124
2,4,5-Trichlorophenol	1	113.63	0	100	114	89	129
Acenaphthene	1	103.85	0	100	104	75	110
2,4-Dinitrotoluene	1	103.02	0	100	103	64	120
4-Nitrophenol	1	76.93	0	100	77	35	116
Fluorene	1	102.82	0	100	103	73	113
Hexachlorobenzene	1	101.01	0	100	101	61	120
Pentachlorophenol	1	81.32	0	100	81	76	140
Pyrene	1	105.7	0	100	106	76	118
Butylbenzylphthalate	1	109.58	0	100	110	66	127

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: WMB4136

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M63711.D	AC56498-001(MSD)	12/29/2010 3:49:00 PM
Duplicate(If applicable):	5M63710.D	AC56498-001(MS)	12/29/2010 3:25:00 PM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	90.47	89.56	1	27
Phenol	1	66.58	67.31	1.1	27
2-Chlorophenol	1	104.49	104.75	0.25	21
1,4-Dichlorobenzene	1	100.64	100.58	0.06	30
2-Methylphenol	1	103.5	100.98	2.5	25
Hexachloroethane	1	100.59	98.76	1.8	27
N-Nitroso-di-n-propylamine	1	104.15	99.94	4.1	14
3&4-Methylphenol	1	104.32	104.88	0.54	27
Nitrobenzene	1	108.01	106.63	1.3	27
2,4-Dimethylphenol	1	101.91	100.5	1.4	18
1,2,4-Trichlorobenzene	1	96.4	93.13	3.5	17
Naphthalene	1	96.81	99.07	2.3	16
Hexachlorobutadiene	1	96.81	96.67	0.14	27
4-Chloro-3-methylphenol	1	112.36	109.78	2.3	16
2,4,6-Trichlorophenol	1	117.01	116.6	0.35	27
2,4,5-Trichlorophenol	1	113.63	112.9	0.64	27
Acenaphthene	1	103.85	101.51	2.3	14
2,4-Dinitrotoluene	1	103.02	101.27	1.7	13
4-Nitrophenol	1	76.93	76.88	0.07	41
Fluorene	1	102.82	102.44	0.37	14
Hexachlorobenzene	1	101.01	97.7	3.3	27
Pentachlorophenol	1	81.32	78.86	3.1	31
Pyrene	1	105.7	105.58	0.11	13
Butylbenzylphthalate	1	109.58	107.82	1.6	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Quantitation Report (Not Reviewed)

SampleID : WMB4136(MS) Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63704.D Sam Mult : 1 Vial# : 8 Qt On : 12/29/10 13:19
Acq On : 12/29/10 13:03 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	89587	40.00	ng	0.00
29) Naphthalene-d8	6.775	136	343830	40.00	ng	0.00
47) Acenaphthene-d10	8.201	164	174601	40.00	ng	0.00
74) Phenanthrene-d10	9.665	188	286368	40.00	ng	0.00
88) Chrysene-d12	12.726	240	226241	40.00	ng	0.00
100) Perylene-d12	14.345	264	186658	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	212993	69.91	ng	0.00
Spiked Amount 100.000			Recovery = 69.91%			
15) Phenol-d5	5.439	99	199163	45.81	ng	0.00
Spiked Amount 100.000			Recovery = 45.81%			
30) Nitrobenzene-d5	6.214	128	80246	55.71	ng	0.00
Spiked Amount 50.000			Recovery = 111.42%			
52) 2-Fluorobiphenyl	7.614	172	277074	48.95	ng	0.00
Spiked Amount 50.000			Recovery = 97.90%			
77) 2,4,6-Tribromophenol	8.944	330	40816	109.33	ng	0.00
Spiked Amount 100.000			Recovery = 109.33%			
91) Terphenyl-d14	11.476	244	243075	54.21	ng	0.00
Spiked Amount 50.000			Recovery = 108.42%			
Target Compounds						Qvalue
8) Pyridine	2.955	79	289523	70.48	ng	84
9) N-Nitrosodimethylamine	2.886	74	184985	78.54	ng	89
12) Aniline	5.535	93	346146	74.43	ng	17
14) bis(2-Chloroethyl)ether	5.535	93	346146	99.19	ng	92
16) Phenol	5.450	94	207998	45.74	ng	90
17) 2-Chlorophenol	5.578	128	325052	102.99	ng	92
19) 1,3-Dichlorobenzene	5.712	146	307250	91.87	ng	98
20) 1,4-Dichlorobenzene	5.776	146	336863	99.78	ng	97
21) 1,2-Dichlorobenzene	5.904	146	306342	95.31	ng	98
23) bis(2-chloroisopropyl)...	5.990	45	627515	99.56	ng	97
24) 2-Methylphenol	5.963	108	297840	95.63	ng	96
26) Hexachloroethane	6.182	117	133428	96.74	ng	98
27) N-Nitroso-di-n-propyla...	6.096	70	253807	100.64	ng	82
28) 3&4-Methylphenol	6.091	108	277314	90.36	ng	88
31) Nitrobenzene	6.230	77	404916	108.42	ng	90
32) Isophorone	6.417	82	602725	89.06	ng	98
33) 2-Nitrophenol	6.481	139	173277	118.12	ng	89
34) 2,4-Dimethylphenol	6.508	107	317087	100.66	ng	98
35) Benzoic Acid	6.567	105	83441	42.97	ng	93
36) bis(2-Chloroethoxy)met...	6.583	93	423219	104.22	ng	98
37) 2,4-Dichlorophenol	6.663	162	247243	114.90	ng	93
38) 1,2,4-Trichlorobenzene	6.732	180	234485	94.77	ng	100
39) Naphthalene	6.791	128	907310	97.37	ng	99
41) Hexachlorobutadiene	6.882	225	97650	96.47	ng	95
42) Caprolactam	7.186	113	7997	7.37	ng	21
43) 4-Chloro-3-methylphenol	7.186	107	299330	112.45	ng	88
49) Hexachlorocyclopentadiene	7.448	237	75381	81.08	ng	93
50) 2,4,6-Trichlorophenol	7.544	196	158848	119.08	ng	99
51) 2,4,5-Trichlorophenol	7.571	196	167557	117.08	ng	99
53) 2-Chloronaphthalene	7.726	162	533647	105.89	ng	94
57) 2-Nitroaniline	7.998	65	12759	5.27	ng	49
59) Acenaphthylene	8.078	152	922725	110.69	ng	100
60) Dimethylphthalate	7.945	163	596792	108.72	ng	100
61) 2,6-Dinitrotoluene	8.004	165	133151	117.25	ng	73
62) Acenaphthene	8.233	153	526784	102.65	ng	98
64) 2,4-Dinitrophenol	8.239	184	63060	101.07	ng	37
65) Dibenzofuran	8.490	168	40039	5.58	ng	30
66) 2,4-Dinitrotoluene	8.356	165	172749	102.94	ng	96
67) 4-Nitrophenol	8.271	65	77961	55.12	ng	95
68) 2,3,4,6-Tetrachlorophenol	8.490	232	103279	99.73	ng	96
69) Fluorene	8.714	166	583775	104.45	ng	100
70) 4-Chlorophenyl-phenyle...	8.703	204	233778	106.44	ng	97
71) Diethylphthalate	8.581	149	607721	104.20	ng	99
72) 4-Nitroaniline	8.709	138	8256	5.34	ng	23
73) Atrazine	9.451	200	12618	9.55	ng	36
75) 4,6-Dinitro-2-methylph...	8.741	198	99315	115.35	ng	34
76) n-Nitrosodiphenylamine	8.816	169	410418	86.84	ng	97
78) 1,2-Diphenylhydrazine	8.858	77	853093	108.07	ng	97
79) 4-Bromophenyl-phenylether	9.190	248	122262	119.24	ng	86
80) Hexachlorobenzene	9.259	284	97354	100.71	ng	94
82) Pentachlorophenol	9.451	266	52928	86.81	ng	99
83) Phenanthrene	9.692	178	864447	108.91	ng	98

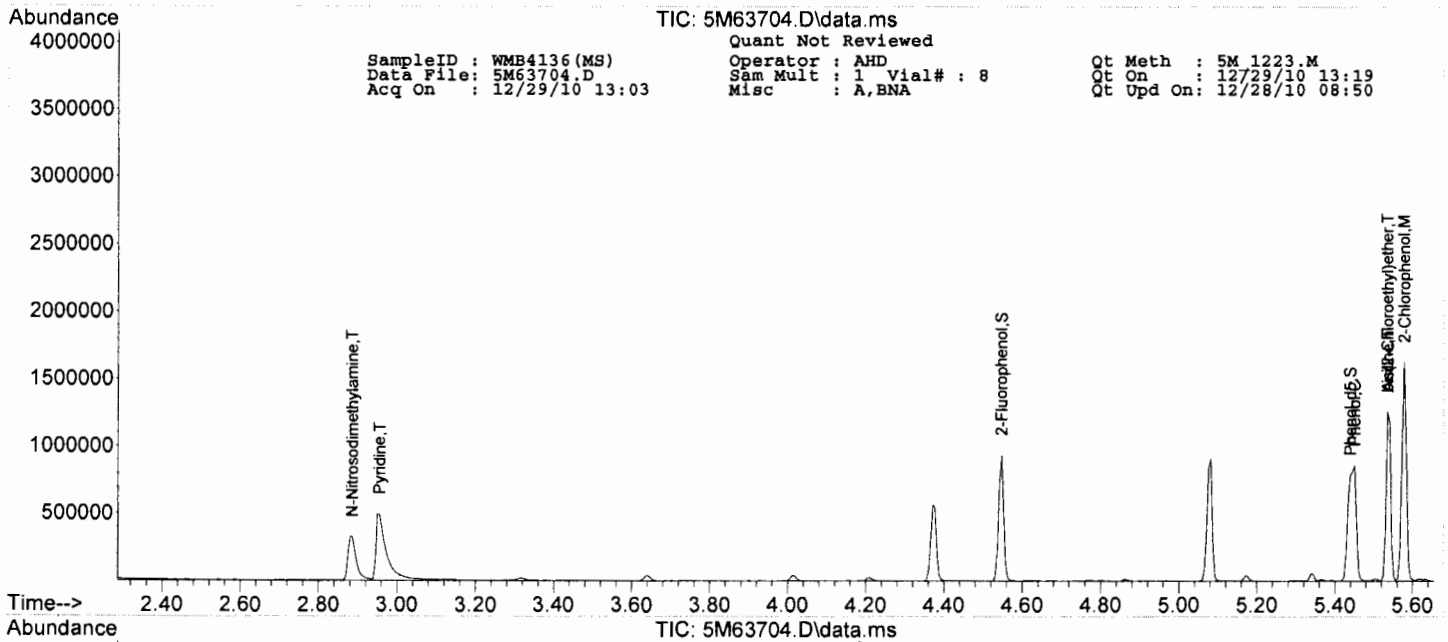
Quantitation Report (Not Reviewed)

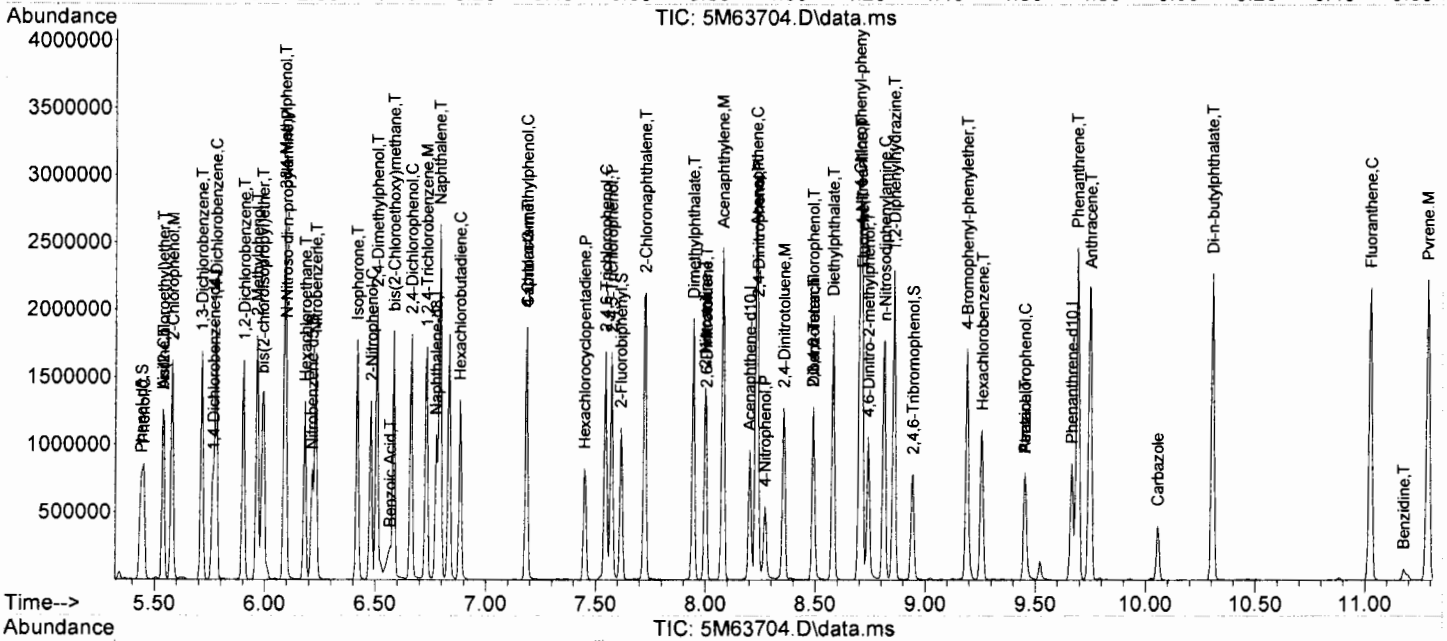
SampleID : WMB4136(MS) Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63704.D Sam Mult : 1 Vial# : 8 Qt On : 12/29/10 13:19
Acq On : 12/29/10 13:03 Misc : A,BNA Qt Upd On: 12/28/10 08:50

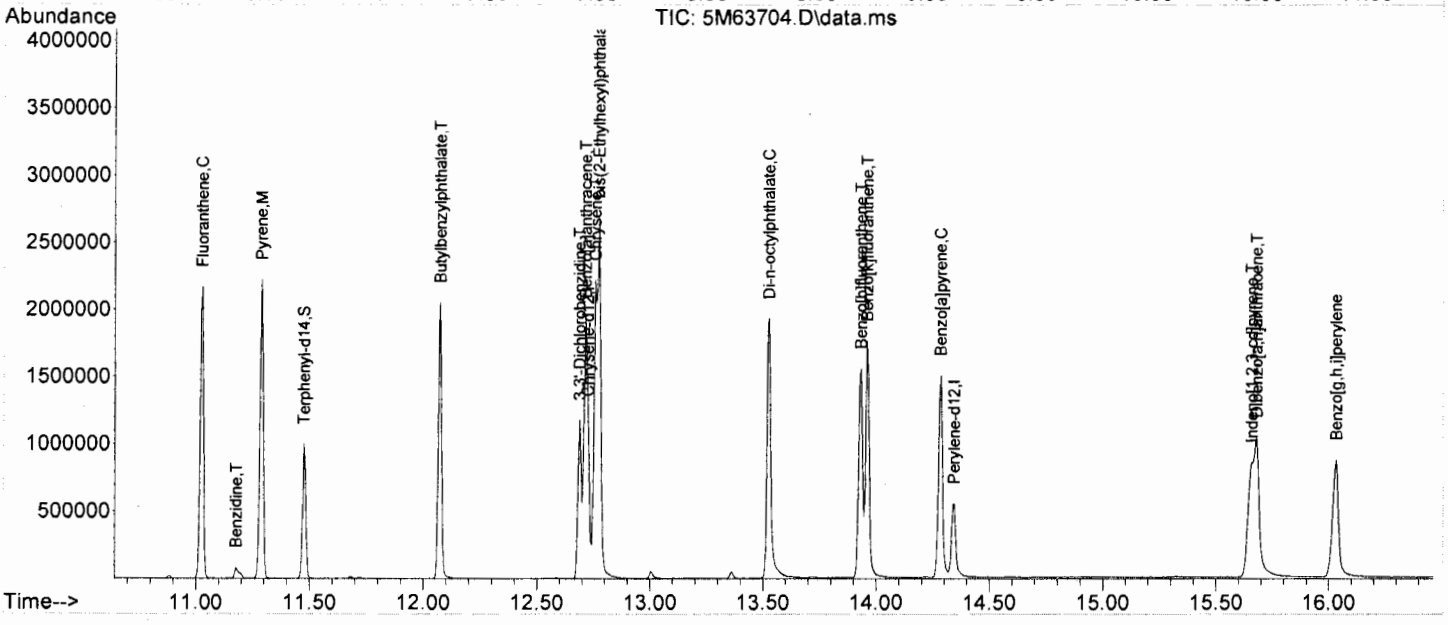
Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Anthracene	9.751	178	835116	105.88	ng	100
85)	Carbazole	10.055	167	14439	1.85	ng	66
86)	Di-n-butylphthalate	10.306	149	1093319	118.32	ng	99
87)	Fluoranthene	11.027	202	821206	109.97	ng	94
89)	Pyrene	11.289	202	864027	105.13	ng	94
90)	Benzidine	11.177	184	28601	9.83	ng	93
94)	Butylbenzylphthalate	12.074	149	470645	106.72	ng	97
96)	3,3'-Dichlorobenzidine	12.689	252	192885	112.84	ng	97
97)	Benzo[a]anthracene	12.715	228	643195	99.32	ng	98
98)	Chrysene	12.758	228	688143	106.99	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.774	149	677971	110.07	ng	99
101)	Di-n-octylphthalate	13.527	149	1078058	108.00	ng	100
102)	Benzo[b]fluoranthene	13.934	252	588589	112.11	ng	96
103)	Benzo[k]fluoranthene	13.960	252	631268	112.54	ng	95
104)	Benzo[a]pyrene	14.286	252	577880	113.92	ng	95
105)	Indeno[1,2,3-cd]pyrene	15.659	276	502133	105.39	ng	70
106)	Dibenzo[a,h]anthracene	15.680	278	445729	119.30	ng	87
107)	Benzo[g,h,i]perylene	16.033	276	440034	112.80	ng	75

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


TIC: 5M63704.D\data.ms
Quant Not Reviewed
SampleID : WMB4136(MS)
Data File: 5M63704.D
Acq On : 12/29/10 13:03
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/29/10 13:19
Qt Upd On: 12/28/10 08:50
Abundance
Time-->


TIC: 5M63704.D\data.ms
Abundance
Time-->


TIC: 5M63704.D\data.ms
Abundance
Time-->

Quantitation Report (QT/LSC Reviewed)

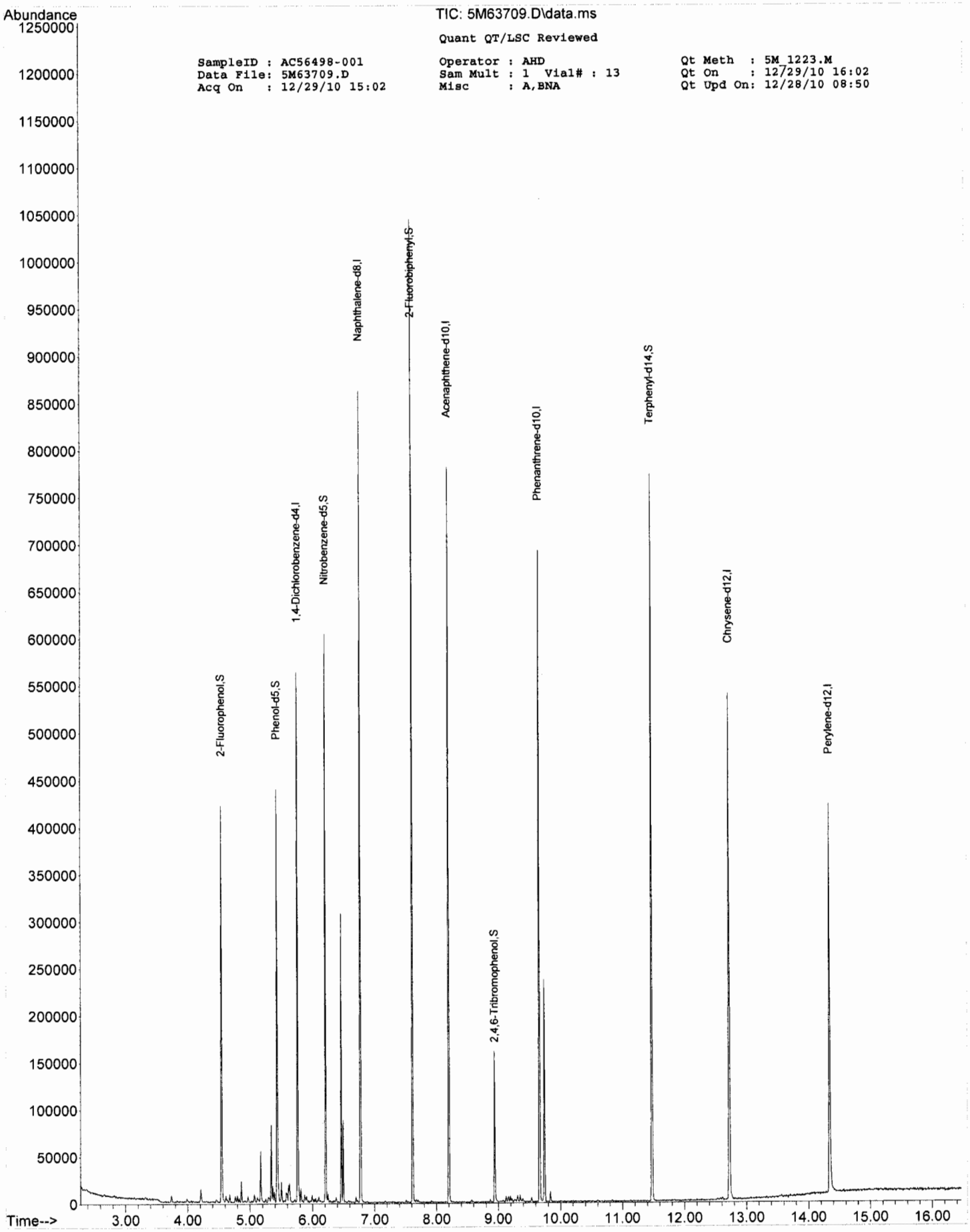
SampleID : AC56498-001 Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63709.D Sam Mult : 1 Vial# : 13 Qt On : 12/29/10 16:02
Acq On : 12/29/10 15:02 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.760	152	69725	40.00	ng	0.00
29) Naphthalene-d8	6.775	136	270192	40.00	ng	0.00
47) Acenaphthene-d10	8.201	164	135670	40.00	ng	0.00
74) Phenanthrene-d10	9.665	188	223909	40.00	ng	0.00
88) Chrysene-d12	12.721	240	160723	40.00	ng	0.00
100) Perylene-d12	14.339	264	130581	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	97484	41.11	ng	0.00
Spiked Amount 100.000			Recovery = 41.11%			
15) Phenol-d5	5.434	99	124125	36.69	ng	0.00
Spiked Amount 100.000			Recovery = 36.69%			
30) Nitrobenzene-d5	6.214	128	58505	51.69	ng	0.00
Spiked Amount 50.000			Recovery = 103.38%			
52) 2-Fluorobiphenyl	7.614	172	242055	55.03	ng	0.00
Spiked Amount 50.000			Recovery = 110.06%			
77) 2,4,6-Tribromophenol	8.944	330	7156	25.56	ng	0.00
Spiked Amount 100.000			Recovery = 25.56%			
91) Terphenyl-d14	11.476	244	185573	57.84	ng	0.00
Spiked Amount 50.000			Recovery = 115.68%			
Target Compounds						Qvalue

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

6


Abundance
TIC: 5M63709.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC56498-001
Data File: 5M63709.D
Acq On : 12/29/10 15:02
Operator : AHD
Sam Mult : 1 Vial# : 13
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/29/10 16:02
Qt Upd On: 12/28/10 08:50
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC56498-001(MS) Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63710.D Sam Mult : 1 Vial# : 14 Qt On : 12/29/10 16:02
Acq On : 12/29/10 15:25 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.765	152	87639	40.00	ng	0.00
29) Naphthalene-d8	6.775	136	342123	40.00	ng	0.00
47) Acenaphthene-d10	8.201	164	170468	40.00	ng	0.00
74) Phenanthrene-d10	9.665	188	283185	40.00	ng	0.00
88) Chrysene-d12	12.726	240	216691	40.00	ng	0.00
100) Perylene-d12	14.345	264	178152	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	259503	87.07	ng	0.00
Spiked Amount 100.000			Recovery = 87.07%			
15) Phenol-d5	5.439	99	287567	67.62	ng	0.00
Spiked Amount 100.000			Recovery = 67.62%			
30) Nitrobenzene-d5	6.214	128	75511	52.69	ng	0.00
Spiked Amount 50.000			Recovery = 105.38%			
52) 2-Fluorobiphenyl	7.614	172	260769	47.18	ng	0.00
Spiked Amount 50.000			Recovery = 94.36%			
77) 2,4,6-Tribromophenol	8.944	330	38066	103.41	ng	0.00
Spiked Amount 100.000			Recovery = 103.41%			
91) Terphenyl-d14	11.476	244	229472	53.51	ng	0.00
Spiked Amount 50.000			Recovery = 107.02%			
Target Compounds						Qvalue
8) Pyridine	2.950	79	359883	89.56	ng	86
9) N-Nitrosodimethylamine	2.886	74	216660	94.03	ng	87
11) Benzaldehyde	5.450	77	3361	1.27	ng	11
12) Aniline	5.541	93	339300	74.58	ng	17
14) bis(2-Chloroethyl)ether	5.541	93	339300	99.39	ng	88
16) Phenol	5.450	94	299399	67.31	ng	90
17) 2-Chlorophenol	5.578	128	323442	104.75	ng	91
19) 1,3-Dichlorobenzene	5.712	146	309495	94.60	ng	99
20) 1,4-Dichlorobenzene	5.776	146	332206	100.58	ng	96
21) 1,2-Dichlorobenzene	5.904	146	300703	95.64	ng	97
23) bis(2-chloroisopropyl)...	5.989	45	630527	102.26	ng	97
24) 2-Methylphenol	5.963	108	307660	100.98	ng	97
26) Hexachloroethane	6.182	117	133248	98.76	ng	96
27) N-Nitroso-di-n-propyla...	6.096	70	246570	99.94	ng	83
28) 3&4-Methylphenol	6.091	108	314878	104.88	ng	91
31) Nitrobenzene	6.230	77	396253	106.63	ng	89
32) Isophorone	6.417	82	591576	87.85	ng	98
33) 2-Nitrophenol	6.481	139	164959	113.01	ng	88
34) 2,4-Dimethylphenol	6.508	107	315000	100.50	ng	100
35) Benzoic Acid	6.572	105	117012	57.91	ng	91
36) bis(2-Chloroethoxy)met...	6.582	93	412353	102.05	ng	99
37) 2,4-Dichlorophenol	6.663	162	237857	111.09	ng	93
38) 1,2,4-Trichlorobenzene	6.732	180	229278	93.13	ng	99
39) Naphthalene	6.791	128	918516	99.07	ng	100
41) Hexachlorobutadiene	6.882	225	97366	96.67	ng	95
42) Caprolactam	7.186	113	8009	7.42	ng	25
43) 4-Chloro-3-methylphenol	7.186	107	290762	109.78	ng	89
49) Hexachlorocyclopentadiene	7.453	237	71566	78.84	ng	96
50) 2,4,6-Trichlorophenol	7.544	196	151857	116.60	ng	99
51) 2,4,5-Trichlorophenol	7.571	196	157752	112.90	ng	99
53) 2-Chloronaphthalene	7.726	162	525789	106.86	ng	94
57) 2-Nitroaniline	7.998	65	11846	5.01	ng	45
59) Acenaphthylene	8.078	152	881793	108.34	ng	100
60) Dimethylphthalate	7.945	163	578606	107.97	ng	99
61) 2,6-Dinitrotoluene	7.998	165	123376	111.28	ng	85
62) Acenaphthene	8.233	153	508628	101.51	ng	99
64) 2,4-Dinitrophenol	8.239	184	57048	95.04	ng	37
65) Dibenzofuran	8.490	168	38303	5.47	ng	31
66) 2,4-Dinitrotoluene	8.356	165	165933	101.27	ng	96
67) 4-Nitrophenol	8.271	65	107293	76.88	ng	98
68) 2,3,4,6-Tetrachlorophenol	8.490	232	99183	98.09	ng	98
69) Fluorene	8.709	166	558968	102.44	ng	100
70) 4-Chlorophenyl-phenyle...	8.703	204	227549	106.11	ng	96
71) Diethylphthalate	8.580	149	582994	102.38	ng	98
72) 4-Nitroaniline	8.709	138	8017	5.31	ng	22
73) Atrazine	9.451	200	12345	9.57	ng	35
75) 4,6-Dinitro-2-methylph...	8.741	198	90694	107.88	ng	27
76) n-Nitrosodiphenylamine	8.816	169	391253	83.72	ng	98
78) 1,2-Diphenylhydrazine	8.858	77	837188	107.25	ng	96
79) 4-Bromophenyl-phenylether	9.190	248	116138	114.54	ng	86
80) Hexachlorobenzene	9.259	284	93391	97.70	ng	96
82) Pentachlorophenol	9.451	266	47053	78.86	ng	96

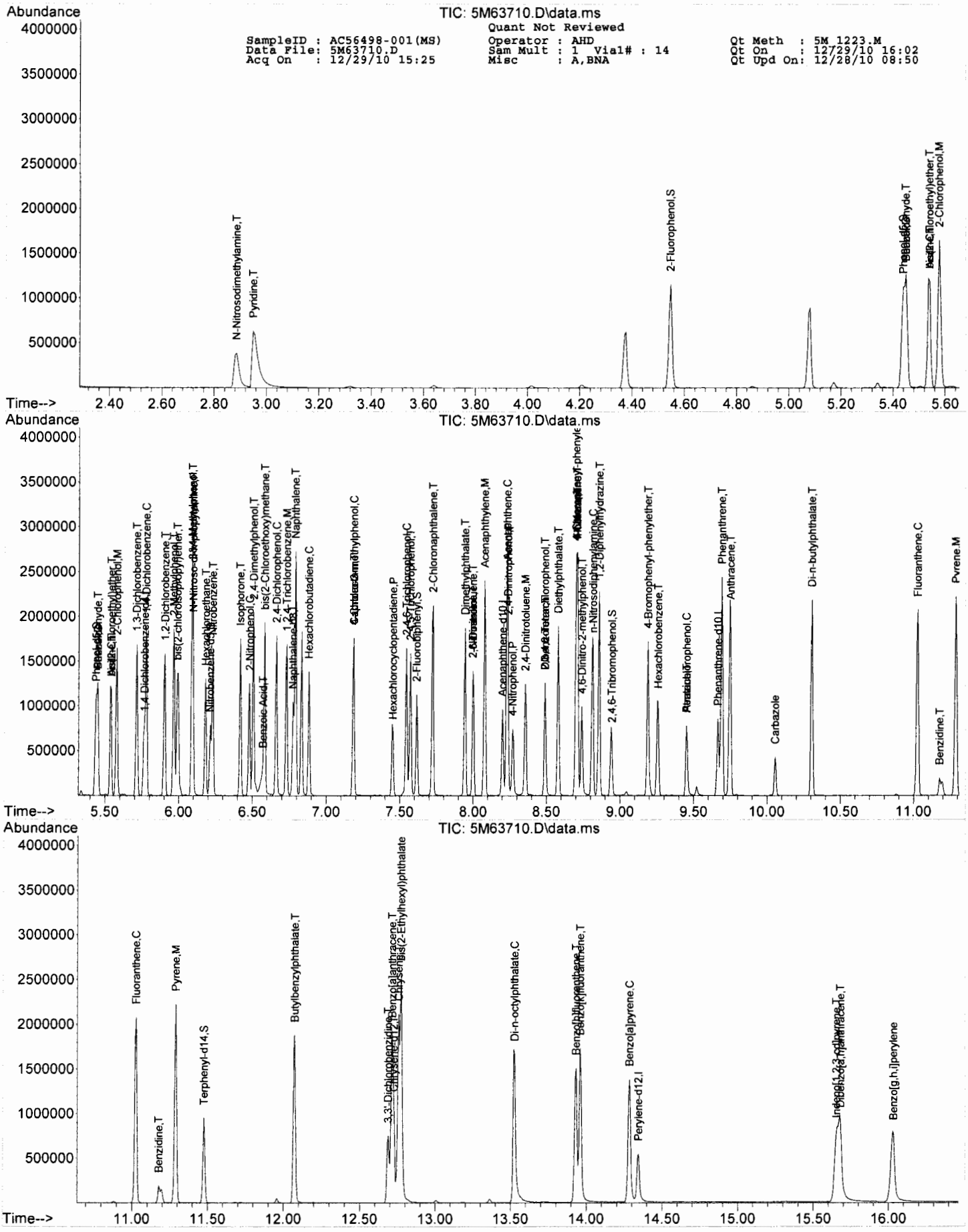
Quantitation Report (Not Reviewed)

SampleID : AC56498-001(MS) Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63710.D Sam Mult : 1 Vial# : 14 Qt On : 12/29/10 16:02
Acq On : 12/29/10 15:25 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Phenanthrene	9.692	178	839054	106.90	ng	99
84)	Anthracene	9.750	178	818806	104.98	ng	99
85)	Carbazole	10.055	167	14663	1.90	ng	67
86)	Di-n-butylphthalate	10.306	149	1043028	114.14	ng	98
87)	Fluoranthene	11.027	202	783634	106.12	ng	91
89)	Pyrene	11.289	202	831131	105.58	ng	96
90)	Benzidine	11.177	184	67340	24.17	ng	98
94)	Butylbenzylphthalate	12.074	149	455669	107.82	ng	98
96)	3,3'-Dichlorobenzidine	12.689	252	126996	74.76	ng	97
97)	Benzo[a]anthracene	12.715	228	619663	99.90	ng	99
98)	Chrysene	12.758	228	655789	106.45	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.774	149	639873	108.46	ng	98
101)	Di-n-octylphthalate	13.527	149	985159	103.93	ng	99
102)	Benzo[b]fluoranthene	13.933	252	544719	108.71	ng	97
103)	Benzo[k]fluoranthene	13.960	252	590801	110.35	ng	95
104)	Benzo[a]pyrene	14.286	252	539178	111.37	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.654	276	466895	102.86	ng	70
106)	Dibenzo[a,h]anthracene	15.680	278	413125	115.86	ng	88
107)	Benzo[g,h,i]perylene	16.033	276	413804	111.14	ng	75

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


TIC: 5M63710.D\data.ms
Quant Not Reviewed
SampleID : AC56498-001(MS)
Data File: 5M63710.D
Acq On : 12/29/10 15:25
Operator : AHD
Sam Mult : 1 Vial# : 14
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/29/10 16:02
Qt Upd On: 12/28/10 08:50
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
2-Chlorophenol,M
Isophorone,T
Naphthalene,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Acenaphthylene,M
Diethylphthalate,T
Hexachlorocyclopentadiene,P
2,4-Dinitrotoluene,M
4-Nitrophenol,P
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Fluoranthene,C
Pyrene,M
Benzidine,T
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (Not Reviewed)

SampleID : AC56498-001(MSD) Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63711.D Sam Mult : 1 Vial# : 15 Qt On : 12/29/10 16:24
Acq On : 12/29/10 15:49 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.760	152	83771	40.00	ng	0.00
29) Naphthalene-d8	6.775	136	328749	40.00	ng	0.00
47) Acenaphthene-d10	8.201	164	164846	40.00	ng	0.00
74) Phenanthrene-d10	9.665	188	268259	40.00	ng	0.00
88) Chrysene-d12	12.726	240	208958	40.00	ng	0.00
100) Perylene-d12	14.339	264	172593	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.547	112	245355	86.13	ng	0.00
Spiked Amount 100.000			Recovery = 86.13%			
15) Phenol-d5	5.439	99	273808	67.36	ng	0.00
Spiked Amount 100.000			Recovery = 67.36%			
30) Nitrobenzene-d5	6.214	128	72873	52.91	ng	0.00
Spiked Amount 50.000			Recovery = 105.82%			
52) 2-Fluorobiphenyl	7.614	172	270759	50.66	ng	0.00
Spiked Amount 50.000			Recovery = 101.32%			
77) 2,4,6-Tribromophenol	8.944	330	35849	102.84	ng	0.00
Spiked Amount 100.000			Recovery = 102.84%			
91) Terphenyl-d14	11.476	244	222113	53.69	ng	0.00
Spiked Amount 50.000			Recovery = 107.38%			
Target Compounds						Qvalue
8) Pyridine	2.950	79	347505	90.47	ng	84
9) N-Nitrosodimethylamine	2.880	74	208082	94.47	ng	88
11) Benzaldehyde	5.450	77	3209	1.27	ng	11
12) Aniline	5.535	93	325014	74.74	ng	17
14) bis(2-Chloroethyl)ether	5.535	93	325014	99.60	ng	94
16) Phenol	5.450	94	283095	66.58	ng	90
17) 2-Chlorophenol	5.578	128	308381	104.49	ng	91
19) 1,3-Dichlorobenzene	5.712	146	296135	94.70	ng	99
20) 1,4-Dichlorobenzene	5.776	146	317714	100.64	ng	98
21) 1,2-Dichlorobenzene	5.904	146	292111	97.19	ng	98
23) bis(2-chloroisopropyl)...	5.990	45	601833	102.12	ng	99
24) 2-Methylphenol	5.963	108	301420	103.50	ng	96
26) Hexachloroethane	6.182	117	129728	100.59	ng	96
27) N-Nitroso-di-n-propyla...	6.096	70	245604	104.15	ng	81
28) 3&4-Methylphenol	6.091	108	299378	104.32	ng	87
31) Nitrobenzene	6.230	77	385663	108.01	ng	89
32) Isophorone	6.417	82	578754	89.44	ng	97
33) 2-Nitrophenol	6.481	139	160518	114.44	ng	88
34) 2,4-Dimethylphenol	6.508	107	306928	101.91	ng	100
35) Benzoic Acid	6.572	105	121348	61.79	ng	97
36) bis(2-Chloroethoxy)met...	6.583	93	406022	104.57	ng	99
37) 2,4-Dichlorophenol	6.663	162	226702	110.19	ng	93
38) 1,2,4-Trichlorobenzene	6.732	180	228061	96.40	ng	99
39) Naphthalene	6.791	128	862522	96.81	ng	99
41) Hexachlorobutadiene	6.882	225	93698	96.81	ng	96
42) Caprolactam	7.186	113	7447	7.18	ng	22
43) 4-Chloro-3-methylphenol	7.186	107	285959	112.36	ng	89
49) Hexachlorocyclopentadiene	7.448	237	72987	83.15	ng	92
50) 2,4,6-Trichlorophenol	7.544	196	147364	117.01	ng	99
51) 2,4,5-Trichlorophenol	7.571	196	153536	113.63	ng	99
53) 2-Chloronaphthalene	7.726	162	504406	106.01	ng	95
57) 2-Nitroaniline	7.998	65	11703	5.12	ng	48
59) Acenaphthylene	8.078	152	857759	108.98	ng	99
60) Dimethylphthalate	7.945	163	555804	107.25	ng	99
61) 2,6-Dinitrotoluene	8.004	165	120614	112.50	ng	74
62) Acenaphthene	8.233	153	503173	103.85	ng	99
64) 2,4-Dinitrophenol	8.239	184	59258	100.69	ng	37
65) Dibenzofuran	8.490	168	37384	5.52	ng	31
66) 2,4-Dinitrotoluene	8.356	165	163230	103.02	ng	93
67) 4-Nitrophenol	8.271	65	103832	76.93	ng	97
68) 2,3,4,6-Tetrachlorophenol	8.490	232	95754	97.93	ng	98
69) Fluorene	8.709	166	542533	102.82	ng	98
70) 4-Chlorophenyl-phenyle...	8.703	204	222163	107.13	ng	98
71) Diethylphthalate	8.581	149	560724	101.83	ng	97
72) 4-Nitroaniline	8.709	138	7676	5.26	ng	24
73) Atrazine	9.451	200	11460	9.18	ng	35
75) 4,6-Dinitro-2-methylph...	8.741	198	85719	107.68	ng	23
76) n-Nitrosodiphenylamine	8.816	169	389587	88.00	ng	98
78) 1,2-Diphenylhydrazine	8.858	77	809259	109.44	ng	97
79) 4-Bromophenyl-phenylether	9.190	248	113844	118.53	ng	86
80) Hexachlorobenzene	9.259	284	91462	101.01	ng	99
82) Pentachlorophenol	9.451	266	46113	81.32	ng	98

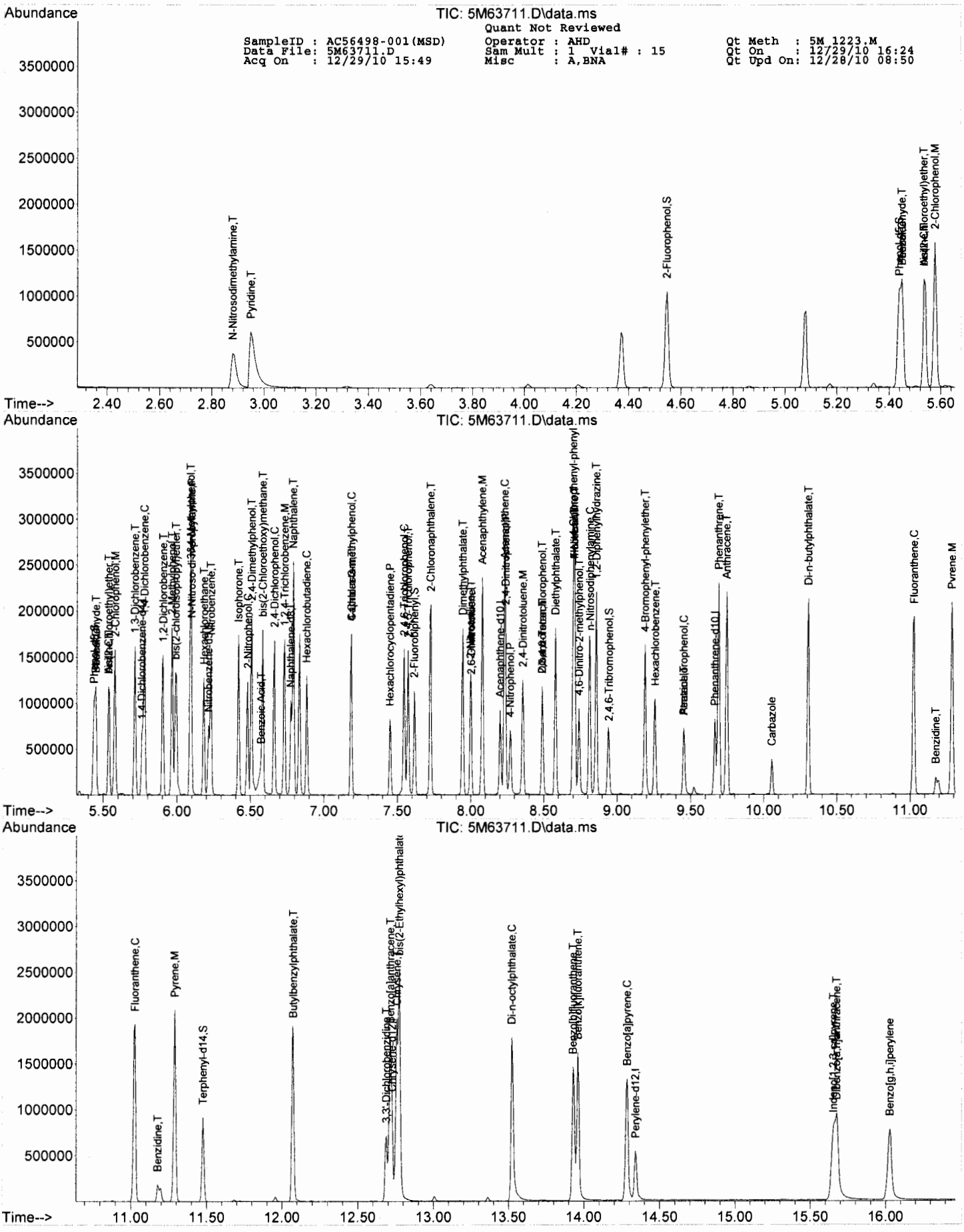
Quantitation Report (Not Reviewed)

SampleID : AC56498-001(MSD) Operator : AHD Qt Meth : 5M_1223.M
Data File: 5M63711.D Sam Mult : 1 Vial# : 15 Qt On : 12/29/10 16:24
Acq On : 12/29/10 15:49 Misc : A,BNA Qt Upd On: 12/28/10 08:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\12-29-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Phenanthrene	9.692	178	791849	106.50	ng	99
84)	Anthracene	9.745	178	791531	107.13	ng	100
85)	Carbazole	10.055	167	13847	1.90	ng	66
86)	Di-n-butylphthalate	10.306	149	1019278	117.75	ng	98
87)	Fluoranthene	11.027	202	769791	110.05	ng	95
89)	Pyrene	11.289	202	802350	105.70	ng	94
90)	Benzidine	11.177	184	67058	24.96	ng	99
94)	Butylbenzylphthalate	12.074	149	446911	109.58	ng	98
96)	3,3'-Dichlorobenzidine	12.689	252	119663	72.92	ng	98
97)	Benzo[a]anthracene	12.715	228	598825	100.11	ng	99
98)	Chrysene	12.758	228	628074	105.72	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.774	149	634441	111.52	ng	99
101)	Di-n-octylphthalate	13.522	149	975200	105.93	ng	99
102)	Benzo[b]fluoranthene	13.928	252	528918	108.95	ng	93
103)	Benzo[k]fluoranthene	13.960	252	569689	109.84	ng	96
104)	Benzo[a]pyrene	14.286	252	536978	114.49	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.654	276	461247	104.75	ng	75
106)	Dibenzo[a,h]anthracene	15.675	278	400021	115.80	ng	88
107)	Benzo[g,h,i]perylene	16.028	276	407288	112.92	ng	77

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


Abundance
TIC: 5M63711.D\data.ms
Quant Not Reviewed
SampleID : AC56498-001(MSD)
Data File: 5M63711.D
Acq On : 12/29/10 15:49
Operator : AHD
Sam Mult : 1 Vial# : 15
Misc : A,BNA
Qt Meth : 5M_1223.M
Qt On : 12/29/10 16:24
Qt Upd On: 12/28/10 08:50
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
2-Chlorophenol,M
Time-->
Abundance
TIC: 5M63711.D\data.ms
Isophorone,T
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
2,4-Dinitrotoluene,M
4-Nitrophenol,P
Diethylphthalate,T
n-Nitrosodiphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene M
Time-->
Abundance
TIC: 5M63711.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->
5M_1223.M Fri Jan 07 13:51:30 2011 SYSTEM1
Page: 1

SPLP
GC/MS Semi-Volatile Data
Logbook Data

QC4136

Hampton-Clarke/Veritech

xtraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____
Blank Spike (MBS): _____

Date: 12-29-10
Matrix Spike: 4136, 4133 P12/30

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
mB 4136	x	1000ml	1mL		x			SW	56464	SPLPFI 12-30-10 SW
mBS 4136	↓	↓	↓		↓				-001	103949
MS 56498-001		500ml								DI H2O
MSD 56498-001		↓								
AC56498-001	1		0.5				1/2 SURR			12-30-10 SW
AC56495-001	2		0.5						S 1	12-23-10
AC56495-002	3	↓	0.5		↓				6 2	↓
AC56498-002	4	1000mL	1mL	x						12-29 SW
AC56520-002	5	970mL								
AC 56520-003	6	980ml								
AC 56526-001	7	990ml								
AC 56526-002	8	990ml								
AC 56526-003	9	970ml								
AC 56526-004	10	1000ml								
AC 56526-005	11	980mml								
AC 56526-006	12	990ml								
AC 56526-007	13	990ml								
AC 56526-008	14	1000ml								
AC 56526-009	15	980ml	↓	↓						
~~SPLPFI-103949~~ 12/23/10	~~16~~	~~500ml~~	~~0.5~~ 12-29-10 SW		x		1/2 SURR		not needed	
AC56526-010	16	840ml	.5ml	↓				HSL	Limited	
AC56526-011	17	1570ml	.5ml						samples	
AC56526-012	18	1750ml	.5ml						but samples	
AC56526-013	19	840ml	.5ml	↓			↓	↓	with full amount of sediment.	
DI H2O BLK ~~12/23/10~~ 12/29/10	X 20	500ml	0.5ml		x		1/2 SURR	MLC	(12/23/10)	

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	5466	BN SPK
↓	↓	5464	ACID COMP
↓	↓	91837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/ml	91587	BN SURR

Reagent Lots: MeCl2 5504 Acetone _____ Hexane _____ Na2SO4 5444

Other _____

Relinquished By: SW / HSL / MLC Date: 12-29-10
Received By: CJ Date: 12/29/10 12/30/10

Hampton-Clarke/Veritech

QC4150

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 12/30/10

Blank Spike (MBS): _____ Matrix Spike: 4150

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4150	x	1000 ml	1.0 ml					MSL	56539-EF2V-104504	
MBS 4150	x	↓							001	
MS 56539-001	x	250 ml								
MSD 56539-001	x									
AC56539-001	1								1	1
AC56539-002	2		13.0 ml				Could not boil dout		Bad matrix	
AC56538-006	3		100.0 ml							
EF2V-104504	x (12/29/10) V		1.0 ml							
AC56556-001	4	900 ml								
AC56547-005	5	1000 ml		x						
AC56547-006	6	950 ml								
AC56547-007	7	1000 ml								
AC56547-008	8	1000 ml								
AC56547-009	9	900 ml								
AC56549-002	10	1000 ml								
AC56571-001	11	↓								
AC56571-002	12	↓								
AC56498-001	R	310 ml	.5 ml	↓			½ Surr.	↓		

MSL 12/30

MSL 12/30

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5466	BN S/K
		V-5623	Acid Comp
↓	↓	V-99857	Pyridine

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN Surr.

Reagent Lots: MeCl2 V-5504 Acetone _____ Hexane _____ Na2SO4 V-5444

Other _____

Relinquished By: MSL Date: 12/30/10

Received By: JP / AHD Date: 1/4/11 01/02/11

T:\QC\FORMS\LOGBOOK FORMS\extractions\BN Aqu_ Ext Log.doc

0724

LEACHATE PREPARATION LOG
(TCLP, SPLP)

BGS 12/23/10

Start Date: 12/22/10 **Finish Date:** 12/23/10 (2/24/10)

SPLP: 4.16

**TCLP Ext. Fluid #1 pH:	4.96 (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
56492-001	8.17	1.78	7.22	EF-1 104503	100g/2L	17:40	1000	BGS	T	Rotumble
56464-001	5.50	1.82	4.98	↓	150g/2L	↓	↓	↓	↓	
56464-002	6.31	1.83	4.91		↓					
56464-003	6.43	1.80	5.06							
56462-001	7.18	1.80	4.91	↓	100g/2L				↓	
56475-001	—	—	11.28	SPLP 103949	150g/2L				P	
56475-002	—	—	10.02	↓	↓				↓	
56475-003	—	—	11.26							
56475-004	—	—	9.05							
56475-005	—	—	9.89							
56475-006	—	—	9.86							
56475-007	—	—	11.39							
56475-008	—	—	10.20							
56475-009	—	—	9.73							
56398-001	—	—	7.01	↓	100g/2L	↓	↓	↓	P	Orgs Only
56495-001	—	—	7.53	DI Water	100g/2L	14:09	14:09	BGS	P	No tumbling, sample + DI as per client's request
56495-002	—	—	7.56	↓	↓	↓	↓	↓	↓	prep and left to sit for 24hrs.
DI H2O	7.05	—	7.69	↓	2L	↓	↓	↓	P	
EF-1-104503	4.96	—	4.90	EF-1-104503	3L	17:40	1000	BGS	T	
SPLP-103949	4.16	—	7.01	SPLP 103949	↓	↓	↓	↓	P	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-79288

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4582	methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-79292

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/6/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4583	Acetone	10 ml	neat neat	

Veritech Lot Number: V-81922

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81923

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82306

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 3/8/2010
Expiration Date: 3/8/2011
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4731	pyridine	10 ul	neat neat	10000 ppm
4698	METHYLENE CHLORIDE	990 ul	neat neat	

Veritech Lot Number: V-82585

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/10/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 03/12/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Lot Number: V-88079

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/8/2010
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4971	METHYLENE CHLORIDE	500 ml	neat neat	

Veritech Lot Number: V-88691

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std.
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4971	METHYLENE CHLORIDE	10 ml	neat neat	

Veritech Lot Number: V-88692

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std. (2nd source)
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4974	ACETONE	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-91587

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 7/27/2010
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
4669	p-Terphenyl-d14	1 g	neat neat	1000 ppm
3877	PHENOL-2,3,4,5,6-d5,	2 g	NEAT neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
5055	ACETONE	1000 ml	neat neat	

Veritech Lot Number: V-96831

Prepared By: Hamid, Akmal
Description: BNA-Pest Mix
Prep Date: 9/27/2010
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.05 g	NEAT	5000 ppm
3640	4.4'-DDD	.05 g	NEAT	5000 ppm
3641	4.4'-DDE	.05 g	NEAT	5000 ppm
5268	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-99837

Prepared By: Bis, Yolanta
Description: Pyridine Spiking Std.
Prep Date: 10/27/2010
Expiration Date: 10/26/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	200 ul	NEAT neat	2000 ppm
5269	Acetone	100 ml	neat neat	

Veritech Lot Number: V-100926

Prepared By: Bis, Yolanta
Description: DFTPP Mix
Prep Date: 11/8/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 2 ml
ApprovedBy: akmal
ApproveDate: 11/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
4874	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5386	methylene chloride	1450 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103035

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
4664	Benzoic Acid	150 ul	2000 ppm	250 ppm
4510	TCL Benzidines mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
V-88691	Coumarin Stock Std.	60 ul	5,000 ppm	250 ppm
5428	Methylene Chloride	270 ul	Neat neat	

Veritech Lot Number: V-103047

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4666	TCL PAH Mix	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-82306	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
5428	Methylene Chloride	360 ul	Neat neat	

Veritech Lot Number: V-103048

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 12/1/2010
Expiration Date: 1/5/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103047	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-79292	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ul	5,000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5428	Methylene Chloride	153 ul	Neat neat	

Veritech Lot Number: V-103903

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 500 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79288	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
V-103035	BNA STOCK Std.A	400 ul	250 ppm	200 ppm
5467	Methylene Chloride	90 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103905

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-103906

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-103907

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
V-103903	BNA STOCK Std.	150 ul	200 ppm	50 ppm
5467	Methylene Chloride	438 ul	neat neat	

Veritech Lot Number: V-103908

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-103909

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 12/13/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9300
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	38 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103910

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 160 ppm curve | BatchNumber: B-9300 | ApproveDate: 12/14/10
Prep Date: 12/13/2010 | Concentration: 160 ppm | Checked: Yes
Expiration Date: 1/6/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-103911

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 196 ppm curve | BatchNumber: B-9300 | ApproveDate: 12/14/10
Prep Date: 12/13/2010 | Concentration: 196 ppm | Checked: Yes
Expiration Date: 1/6/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-103912

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 50 ppm curve | BatchNumber: B-9300 | ApproveDate: 12/14/10
Prep Date: 12/13/2010 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 1/6/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103903	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5467	Methylene Chloride	75 ul	neat neat	

Veritech Lot Number: V-103913

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 2 ppm curve | BatchNumber: B-9300 | ApproveDate: 12/14/10
Prep Date: 12/13/2010 | Concentration: 2 ppm | Checked: Yes
Expiration Date: 1/6/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103912	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	94 ul	neat neat	

Veritech Lot Number: V-103914

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 0.5 ppm curve | BatchNumber: B-9300 | ApproveDate: 12/14/10
Prep Date: 12/13/2010 | Concentration: 0.5 ppm | Checked: Yes
Expiration Date: 1/6/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103912	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5467	Methylene Chloride	97 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104673

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 12/23/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
4664	Benzoic Acid	150 ul	2000 ppm	250 ppm
4510	TCL Benzidines mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
V-88691	Coumarin Stock Std.	60 ul	5,000 ppm	250 ppm
5469	methylene chloride	270 ul	neat neat	

Veritech Lot Number: V-104674

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 12/23/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 500 ul
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79288	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
V-104673	BNA STOCK Std.A	400 ul	250 ppm	200 ppm
5469	methylene chloride	90 ul	neat neat	

Veritech Lot Number: V-104675

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 12/23/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9370
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	93 ul	neat neat	

Veritech Lot Number: V-104676

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 12/23/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9370
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	88 ul	neat neat	

Veritech Lot Number: V-104677

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 12/23/2010
Expiration Date: 1/6/2011
Department: Organics
BatchNumber: B-9370
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
V-104674	BNA STOCK Std.	150 ul	200 ppm	50 ppm
5469	methylene chloride	438 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104678

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 80 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 80 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	58 ul	neat neat	

Veritech Lot Number: V-104679

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 120 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 120 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	38 ul	neat neat	

Veritech Lot Number: V-104680

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 160 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 160 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	18 ul	neat neat	

Veritech Lot Number: V-104681

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 196 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 196 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	0	neat neat	

Veritech Lot Number: V-104682

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 50 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104674	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5469	methylene chloride	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104683

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 2 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 2 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104682	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	94 ul	neat neat	

Veritech Lot Number: V-104684

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	BNA 0.5 ppm curve	BatchNumber: B-9370	ApproveDate: 12/28/10
Prep Date:	12/23/2010	Concentration: 0.5 ppm	Checked: Yes
Expiration Date:	1/6/2011	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104682	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5469	methylene chloride	97 ul	neat neat	

Veritech Lot Number: V-104760

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: akmal
Description:	DFTPP Mix	BatchNumber:	ApproveDate: 12/28/10
Prep Date:	12/28/2010	Concentration: 50 ppm	Checked: Yes
Expiration Date:	3/10/2011	Final Volume: 2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
5434	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5504	Methylene Chloride	1450 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1430

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	B1334-2G	08505LB	02/20/04	02/20/11	Hamid, Akmal	1	2G	Neat	Neat

Veritech Control/Receipt Number: 1431

Description
E-Caprolactam

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	C2204-5G	05824JI	02/20/04	02/20/11	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 1809

Description
DIPHENYL ETHER

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	240834-5G	09303PC	06/23/06	06/23/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2587

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	neat	neat

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH1	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3213

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Control/Receipt Number: 3877

Description
PHENOL-2,3,4,5,6-d5,

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ISOTEC	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3977

Description
ATRAZINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2208	401-135A	03/11/09	04/30/11	Revolus, Jean	1	500m	NEAT	

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4510

Description
TCL Benzidines mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4582

Description
methylene chloride

ApprovedBy: akmal
ApproveDate: 12/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H45S00	12/29/09	02/27/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4583

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	H15E22	12/29/09	07/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 4664

Description
Benzoic Acid

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A070384	01/27/10	09/30/13	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4666

Description
TCL PAH Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB69185	01/29/10	08/31/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4667

Description
TCL Base-Neutral Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-U	LB67896	01/29/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4669

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500mg	CX1560	01/29/10	01/29/16	Hamid, Akmal	1	500m	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 02/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	02/23/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4731

Description
pyridine

ApprovedBy: jean
ApproveDate: 03/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Control/Receipt Number: 4781

Description
Pyridine

ApprovedBy: jean
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	P368-500	094570	03/30/10	03/29/13	Kiryanov, Alex	2	500 m	NEAT	NEAT

Veritech Control/Receipt Number: 4872

Description
TCL Phenols/Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	04/20/10	07/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4874

Description
DDT/Endrin Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	04/20/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4971

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J16S00	06/08/10	07/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5386

Description
methylene chloride

ApprovedBy: jean
ApproveDate: 11/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J38S00	10/29/10	12/31/11	Lopez, Jose	180	4L	neat	neat

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5467

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J38S00	11/23/10	12/31/11	Lopez, Jose	80	4L	neat	neat

Veritech Control/Receipt Number: 5469

Description
methylene chloride

ApprovedBy: jean
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J38S00	11/30/10	12/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5444

Description
SODIUM SULFATE

ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SEIDLER	SC-3375-1C	026129	11/16/10	11/16/12	Okomeng, Maxwel	4	100-L	neat	neat

Veritech Control/Receipt Number: 5464

Description
ACID COMP MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-A-R-PAK	B8120276	11/19/10	12/29/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5466

Description
BASE NEUTRAL COMP MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-BN-PAK	210101171	11/19/10	10/15/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

RUN LOG

1-1-9M30990

Instrument: GCMS_9 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M30990.	CAL DFTPP		OK, V-100926	JB						12/13 08:26
9M30991.	BNA@50PPM	IsCnAnc	NOT USED	JB		Aqueous	1	1	625 8270	12/13 10:07
9M30992.	CAL BNA@196PPM	Oc	OK, V-103911	JB		Aqueous	1	1	625 8270	12/13 10:35
9M30993.	CAL BNA@160PPM	Oc	OK, V-103911	JB		Aqueous	1	1	625 8270	12/13 10:58
9M30994.	CAL BNA@120PPM	IsC16C18	NOT USED	JB		Aqueous	1	1	625 8270	12/13 11:21
9M30995.	CAL BNA@80PPM		OK, V-103908	JB		Aqueous	1	1	625 8270	12/13 11:44
9M30996.	CAL BNA@50PPM	C16C18	NOT USED	JB		Aqueous	1	1	625 8270	12/13 12:08
9M30997.	CAL BNA@20PPM		OK, V-103906	JB		Aqueous	1	1	625 8270	12/13 12:31
9M30998.	CAL BNA@10PPM		OK, V-103905	JB		Aqueous	1	1	625 8270	12/13 12:54
9M30999.	CAL BNA@0.5PPM		OK, V-103914	JB		Aqueous	1	1	625 8270	12/13 13:17
9M31000.	CAL BNA@2PPM		OK, V-103913	JB		Aqueous	1	1	625 8270	12/13 13:40
9M31001.	CAL BNA@50PPM		OK, V-103907	JB		Aqueous	1	1	625 8270	12/13 14:43
9M31002.	CAL BNA@120PPM		OK, V-103909	JB		Aqueous	1	1	625 8270	12/13 15:08
9M31003.	ICV BNA@50PPM		OK, V-103048	JB		Aqueous	1	1	625 8270	12/13 15:34
9M31004.	SMB2779		OK	JB		Soil	1	1	8270	12/13 16:10

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for aqh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Ebe	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/rundates modcheckprepruncds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_10Year: 2010
Analyst: AHD

1-1-10M18327

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1832	CAL DFTPP	Ed1=1.2:Oc	OK, V-100926	JB		Aqueous	1	1		12/14 09:30
10M1832	CAL BNA@50PPM		OK, V-103907	JB		Aqueous	1	1	625 8270	12/14 09:54
10M1832	CAL BNA@196PPM	Oc	OK, V-103911	JB		Aqueous	1	1	625 8270	12/14 10:17
10M1833	CAL BNA@160PPM	Oc	OK, V-103910	JB		Aqueous	1	1	625 8270	12/14 10:40
10M1833	CAL BNA@120PPM		OK, V-103909	JB		Aqueous	1	1	625 8270	12/14 11:03
10M1833	CAL BNA@80PPM		OK, V-103908	JB		Aqueous	1	1	625 8270	12/14 11:26
10M1833	CAL BNA@20PPM		OK, V-103906	JB		Aqueous	1	1	625 8270	12/14 11:49
10M1833	CAL BNA@10PPM		OK, V-103905	JB		Aqueous	1	1	625 8270	12/14 12:14
10M1833	CAL BNA@0.5PPM		OK, V-103914	JB		Aqueous	1	1	625 8270	12/14 12:37
10M1833	CAL BNA@2PPM		OK, V-103913	JB		Aqueous	1	1	625 8270	12/14 13:00
10M1833	ICV BNA@50PPM	Is	OK, V-103048	JB		Aqueous	1	1	625 8270	12/14 13:35

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddt or eodrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I18 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checkinn Prep/nudates modcheckprepnunds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_5 Year: 2010
Analyst: AHD

1-1-5M63635

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M63635.	CAL DFTPP	Ed1=3,7;Oc	OK, V-100926	JB		Aqueous	1	1		12/23 08:16
5M63636.	CAL BNA@50PPM	Is	NOT USED	JB		Aqueous	1	1	625 8270	12/23 09:00
5M63637.	CAL BNA@196PPM	Oc	OK, V-104681	JB		Aqueous	1	1	625 8270	12/23 09:23
5M63638.	CAL BNA@160PPM		OK, V-104680	JB		Aqueous	1	1	625 8270	12/23 09:47
5M63639.	CAL BNA@120PPM		OK, V-104679	JB		Aqueous	1	1	625 8270	12/23 10:10
5M63640.	CAL BNA@80PPM		OK, V-104678	JB		Aqueous	1	1	625 8270	12/23 10:34
5M63641.	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	12/23 10:58
5M63642.	CAL BNA@20PPM		OK, V-104676	JB		Aqueous	1	1	625 8270	12/23 11:21
5M63643.	CAL BNA@10PPM		OK, V-104675	JB		Aqueous	1	1	625 8270	12/23 11:45
5M63644.	CAL BNA@0.5PPM	IsAoC16C18	NOT USED	JB		Aqueous	1	1	625 8270	12/23 12:08
5M63645.	CAL BNA@2PPM		OK, V-104683	JB		Aqueous	1	1	625 8270	12/23 12:31
5M63646.	CAL BNA@50PPM		OK, V-104677	JB		Aqueous	1	1	625 8270	12/23 12:55
5M63647.	CAL BNA@0.5PPM		OK, V-104684	JB		Aqueous	1	1	625 8270	12/23 13:52
5M63648.	ICV BNA@50PPM		OK, V-103048	JB		Aqueous	1	1	625 8270	12/23 14:45
5M63649.	WMB2794		OK	AHD		Aqueous	1	1	625 8270	12/23 15:09

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endion Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepound	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M63696

Instrument: GCMS_5 Year: 2010
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M63696.	CAL DFTPP	Ed1=3.1:Oc	OK, V-104760	JB		Aqueous	1	1		12/29 09:18
5M63697.	BNA@50PPM	CnAnc	NOT USED	JB		Aqueous	1	1	625 8270	12/29 09:51
5M63698.	CAL BNA@50PPM		OK, V-104677	JB		Aqueous	1	1	625 8270	12/29 10:16
5M63699.	TEST33		TEST	JB		Aqueous	1	1	625 8270	12/29 10:41
5M63700.	WMB4133(MS)		OK WMB4133	JB		Aqueous	1	1	625 8270	12/29 11:28
5M63701.	WMB4133		OK	JB		Aqueous	1	1	625 8270	12/29 11:52
5M63702.	AC56464-001(T)		OK WMB4133	JB	BNATCLP-82	Aqueous	1	1	8270	12/29 12:16
5M63703.	AC56464-001(T)(MS)		OK WMB4133	JB	BNATCLP-82	Aqueous	1	1	625 8270	12/29 12:39
5M63704.	WMB4136(MS)		OK WMB4136	JB		Aqueous	1	1	625 8270	12/29 13:03
5M63705.	WMB4136		OK	JB		Aqueous	1	1	625 8270	12/29 13:27
5M63706.	AC56464-001(T)(MSD)		OK WMB4133	JB	BNATCLP-82	Aqueous	1	1	625 8270	12/29 13:50
5M63707.	AC56464-002(T)		OK	JB	BNATCLP-82	Aqueous	1	1	8270	12/29 14:14
5M63708.	AC56464-003(T)		OK	JB	BNATCLP-82	Aqueous	1	1	8270	12/29 14:38
5M63709.	AC56498-001	Sa6	RE-EXTRACT WMB4136	JB	BN15-625	Aqueous	1	1	625	12/29 15:02
5M63710.	AC56498-001(MS)		OK WMB4136	AHD	BN15-625	Aqueous	1	1	625 8270	12/29 15:25
5M63711.	AC56498-001(MSD)		OK WMB4136	AHD	BN15-625	Aqueous	1	1	625 8270	12/29 15:49
5M63712.	AC56498-002		OK	AHD	BN15-625	Aqueous	1	1	625	12/29 16:13
5M63713.	AC56475-004(T)		OK	AHD	BNPSPLP-82	Aqueous	1	1	8270	12/29 16:37
5M63714.	AC56491-001	Sa6Sa8Esm	ON HOLD	AHD	ERROR	Aqueous	1	1	625 8270	12/29 17:01
5M63715.	AC56511-001		OK	AHD	BN15-625	Aqueous	1	1	625	12/29 17:24
5M63716.	AC56520-003		OK	AHD	BN15-625	Aqueous	1	1	625	12/29 17:48
5M63717.	AC56520-002		OK	AHD	BN15-625	Aqueous	1	1	625	12/29 18:11

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tetn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for aoh
B8m	Blank 8000 series missing	Eto	Tetn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddl or eoddo
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checkion Prep/nudates modcheckpreponda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_9 Year: 2010
Analyst: AHD

1-1-9M31335

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M31335.	CAL DFTPP	Ed1=3,6:Oc	OK, V-104760	JB		Aqueous	1	1		12/29 09:50
9M31336.	CAL BNA@50PPM		OK, V-103907	JB		Aqueous	1	1	625 8270	12/29 10:14
9M31337.	SMB4129(MS)		OK SMB4129	JB		Soil	1	1	8270	12/29 10:37
9M31338.	AC56495-001(3X)	Oc	RR 50X	JB	BNA-8270	Soil	3	3	8270	12/29 11:02
9M31339.	AC56381-002(R)		OK	JB	BNA25-8270	Soil	1	1	8270	12/29 11:25
9M31340.	AC56495-001(50X)	Sd	OK SMB4129	JB	BNA-8270	Soil	50	50	8270	12/29 11:48
9M31341.	AC56495-002(50X)	Sd	OK	JB	BNA-8270	Soil	50	50	8270	12/29 12:11
9M31342.	AC56425-006		OK	JB	BN-8270	Soil	1	1	8270	12/29 12:34
9M31343.	AC56425-009		OK	JB	BN-8270	Soil	1	1	8270	12/29 12:57
9M31344.	AC56344-002(3X)	SdEo	RE-EXTRACT	JB	BNPAH-8270	OIL/OTH	3	3	8270	12/29 13:20
9M31345.	AC56495-001(50X)(MS	Sd	OK SMB4129	JB	BNA-8270	Soil	50	50	8270	12/29 13:43
9M31346.	AC56495-001(50X)(MS	Sd	OK SMB4129	JB	BNA-8270	Soil	50	50	8270	12/29 14:06
9M31347.	AC56500-001(10X)	Oc	OK	JB	BN15-625	Aqueous	10	10	625	12/29 14:29
9M31348.	AC56500-002		RR	JB	BN15-625	Aqueous	1	1	625	12/29 14:52
9M31349.	WMB4133		OK	JB		Aqueous	1	1	625 8270	12/29 15:16
9M31350.	WMB4136		OK	JB		Aqueous	1	1	625 8270	12/29 15:39
9M31351.	AC56495-001(20X)(T)		RR STRAIGHT	AHD	BNASPLP-82	Aqueous	20	20	8270	12/29 16:02
9M31352.	AC56495-002(20X)(T)		RR STRAIGHT	AHD	BNASPLP-82	Aqueous	20	20	8270	12/29 16:25
9M31353.	AC56526-010	Oc	RR 10X	AHD	BN15-625	Aqueous	1	1	625	12/29 16:48
9M31354.	AC56526-011(10X)		OK	AHD	BN15-625	Aqueous	10	10	625	12/29 17:11
9M31355.	AC56526-012	Sb6Oc	RR 3X & RE-EXTRACT	AHD	BN15-625	Aqueous	1	1	625	12/29 17:34
9M31356.	AC56526-013	Oc	RR 3X	AHD	BN15-625	Aqueous	1	1	625	12/29 17:57
9M31357.	AC56495-001(T)		OK	AHD	BNASPLP-82	Aqueous	1	1	8270	12/29 18:20
9M31358.	AC56495-002(T)		OK	AHD	BNASPLP-82	Aqueous	1	1	8270	12/29 18:43
9M31359.	TEST					Aqueous	1	1	625 8270	12/29 19:06
9M31360.	TEST					Aqueous	1	1	625 8270	12/29 19:28
9M31361.	TEST					Aqueous	1	1	625 8270	12/29 19:51
9M31362.	TEST					Aqueous	1	1	625 8270	12/29 20:14

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tolo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tolo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missing ddl or endoo
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checkion Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	On	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_10Year: 2010
Analyst: AHD

1-1-10M18681

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1868	CAL DFTPP	Ed1=1.7:Oc	OK,V-104760	AHD		Aqueous	1	1		12/30 09:37
10M1868	CAL BNA@50PPM		OK,V-103907	AHD		Aqueous	1	1	625 8270	12/30 09:59
10M1868	WMB4148		OK	AHD		Aqueous	1	1	625 8270	12/30 10:23
10M1868	OMB4146		OK	AHD		OIL/OTH	1	1	8270	12/30 10:45
10M1868	SMB4147		OK	AHD		Soil	1	1	8270	12/30 11:08
10M1868	WMB4148(MS)		OK WMB4148	AHD		Aqueous	1	1	625 8270	12/30 11:34
10M1868	OMB4146(MS)		OK OMB4146	AHD		OIL/OTH	1	1	8270	12/30 12:09
10M1868	EF-DI H2O(12/23)		OK	JB		Aqueous	1	12	8270	12/30 12:32
10M1868	AC56547-004		OK WMB4148	AHD	BN15-625	Aqueous	1	1	625	12/30 12:55
10M1869	AC56547-004(MS)		OK WMB4148	AHD	BN15-625	Aqueous	1	1	625 8270	12/30 13:18
10M1869	AC56547-004(MSD)		OK WMB4148	AHD	BN15-625	Aqueous	1	1	625 8270	12/30 13:41
10M1869	AC56547-003		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 14:04
10M1869	AC56547-001		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 14:26
10M1869	AC56547-002		OK,RR	AHD	BN15-625	Aqueous	1	1	625	12/30 14:49
10M1869	AC56528-001		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 15:12
10M1869	AC56528-002		OK,RR	AHD	BN15-625	Aqueous	1	1	625	12/30 15:35
10M1869	AC56526-014		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 15:57
10M1869	AC56551-001		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 16:20
10M1869	AC56551-002		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 16:43
10M1870	AC56547-002		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 17:06
10M1870	AC56528-002		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 17:29
10M1870	AC56536-001		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 17:52
10M1870	AC56536-004		OK	AHD	BN15-625	Aqueous	1	1	625	12/30 18:15

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tetn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Tetn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix mission ddt or eodrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rts	S6	600 series surrogate out
Cme	Endion Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepruncla	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

SPLP
Metal Data

SPLP
Metal Data
Sample Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-1	Units:	MG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.0026	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-39-3	Barium	0.00014	0.18JB	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-43-9	Cadmium	0.00030	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-47-3	Chromium	0.00076	0.0035J	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7439-92-1	Lead	0.0024	0.010J	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7439-97-6	Mercury	0.000055	ND	1	25	25	12/30/10	3193	H12191SP	14	CV	HGCV2A
7782-49-2	Selenium	0.0035	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A
7440-22-4	Silver	0.00067	ND	1	50	50	12/30/10	3193	SP12191A	14	P	PEICP1A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC56495-002	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PJ Baseline-2	Units:	MG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	12/22/2010	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	0.0026	ND	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-39-3	Barium	0.00014	0.14JB	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-43-9	Cadmium	0.00030	ND	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-47-3	Chromium	0.00076	0.0013J	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7439-92-1	Lead	0.0024	0.0026J	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7439-97-6	Mercury	0.000055	ND	1	25	25	12/30/10	3193	H12191SP	17	CV	HGCV2A
7782-49-2	Selenium	0.0035	0.0035J	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A
7440-22-4	Silver	0.00067	ND	1	50	50	12/30/10	3193	SP12191A	21	P	PEICP1A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

SPLP
Metal Data
QC Data

FORM 2
(ICV/CCV Summary)

Date Analyzed: 12/30/10
Data File: SP12191A
Prep Batch: 3193
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-101549 (2)-7	Rec	CCV V-102763-18	Rec	CCV V-102763-25	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	0.970507	97	0.480879	96	0.478056	96					
Barium	1/.5	0.979991	98	0.494037	99	0.494861	99					
Cadmium	1/.5	0.977283	98	0.494048	99	0.495544	99					
Chromium	1/.5	0.971861	97	0.490114	98	0.487125	97					
Lead	1/.5	0.974430	97	0.490962	98	0.490312	98					
Selenium	1/.5	0.951446	95	0.476795	95	0.480837	96					
Silver	0.2/.1	0.197629	99	0.0955829	96	0.0961846	96					

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 12/30/10
Data File: H12191SP
Prep Batch: 3193
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19													
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	18.19	91	9.320	93												

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

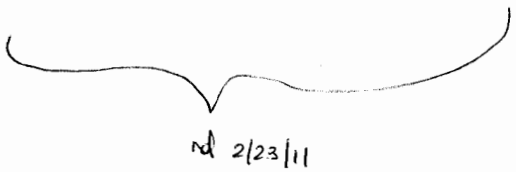
CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/30/10
Data File: SP12191A
Prep Batch: 3193
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-102780-8	CCB-19	CCB-26	MB 12191 (1)-11				
Arsenic	.00258 U	.00258 U	.00258 U	.0026 U				
Barium	.000367a J	.000501a J	.0002a J	.00055a J				
Cadmium	.000297 U	.000297 U	.000297 U	.0003 U				
Chromium	-.00137a J	-.00165a J	-.00154a J	.00076 U				
Lead	.00237 U	.00237 U	.00237 U	.0024 U				
Selenium	-.00793a J	-.00601a J	-.00411a J	.0035 U				
Silver	.000673 U	-.000675a J	-.000973a J	.00067 U				



nd 2/23/11

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/30/10
Data File: H12191SP
Prep Batch: 3193
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3193 (1)-11					
Mercury	.055 U	.055 U	.055 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 12/30/10
Data File: SP12191A
Prep Batch: 3193
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-102257-9	Rec	ICSAB V-102798-10	Rec	ICSA V-102257-23	Rec	ICSAB V-102798-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	425.362	85	439.90700	88	426.715	85	436.74600	87				
Arsenic	1	U		0.94838	95	U		0.95009	95				
Barium	.5	U		0.45369	91	U		0.45311	91				
Cadmium	1	U		0.88224	88	U		0.88217	88				
Calcium	500	430.439	86	440.10000	88	427.933	86	439.98300	88				
Chromium	.5	U		0.45622	91	U		0.45402	91				
Iron	200	163.726	82	168.89200	84	164.213	82	168.11700	84				
Lead	1	U		0.88308	88	U		0.88205	88				
Magnesium	500	444.636	89	457.46200	91	446.249	89	455.17900	91				
Selenium	1	U		0.87798	88	U		0.86565	87				
Silver	1	U		1.01507	102	U		1.01940	102				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 5/FORM 7
SPIKE/LCS RECOVERY

Date Analyzed: 12/30/10
Data File: SP12191A
Prep Batch: 3193
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205
MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
Matrix: SPLP
Level: Low

Analyte	Spike Amts MS-Tclp MS-Aq MS-soil	LCS Soil	LCS Aq	LCS Rec Limits	Non Spike Conc AC56495-001-14		AC56495-001-16-1X	%REC OR Conc	LCSW-12-1X	%REC OR Conc	LCSW MR-13-1X	%REC OR Conc		%REC OR Conc	%REC OR Conc
Arsenic	.500		.500	75 - 125	0.01	U	0.482613	97	0.483066	97	0.477047	95			
Barium	5.00		.500	75 - 125	0.25	U	5.00908	100	0.498197	100	0.493794	99			
Cadmium	.500		.500	75 - 125	0.05	U	0.488457	98	0.496546	99	0.49444	99			
Chromium	.500		.500	75 - 125	0.2	U	0.487343	97	0.492487	98	0.490156	98			
Lead	5.00		.500	75 - 125	0.065	U	5.04321	101	0.490953	98	0.491322	98			
Selenium	.500		.500	75 - 125	0.2	U	0.477475	95	0.487542	98	0.481887	96			
Silver	0.100		0.1	75 - 125	0.05	U	0.0950972	95	0.0970578	97	0.0958296	96			

MS Qc Limits:

EPA200.7/200.8	6010B	6020
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

Flags:

U: Conc < Reporting Limit
a: Recovery Failed Specified Limit
b: Recovery Failed Specified Limit but Non Spike concentration > 4* spike amount

Note: All Elements analyzed by ICP(P) or ICP-MS except Mercury(CV)

FORM 5/FORM 7
SPIKE/LCS RECOVERY

Date Analyzed: 12/30/10
Data File: H12191SP
Prep Batch: 3193
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205
MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
Matrix: SPLP
Level: Low

Analyte	Spike Amts MS-Tclp MS-Aq MS-soil	Spike Amts LCS Soil	Spike Amts LCS Aq	LCS Rec Limits	Non Spike Conc AC56495-001-14		AC56495-001-16-1X	%REC OR Conc	LCSW-12-1X	%REC OR Conc	LCSW MR-13-1X	%REC OR Conc	%REC OR Conc	%REC OR Conc
Mercury	10		10	75 - 125	0.7	U	9.253	93	9.099	91	9.091	91		

MS Qc Limits:

EPA200.7/200.8	6010B	6020
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

Flags:

U: Conc < Reporting Limit
a: Recovery Failed Specified Limit
b: Recovery Failed Specified Limit but Non Spike concentration > 4* spike amount

Note: All Elements analyzed by ICP(P) or ICP-MS except Mercury(CV)

FORM6/FORM9
RPDS

Date Analyzed: 12/30/10
Data File: SP12191A
Prep Batch: 3193
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP1
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

	Qc Limits		Sample	Method Rep		LCS	LCS MR		Sample	Serial Dil	
Analyte	LCS/MR	SD	AC56495-001-14	AC56495-001-15	RPD	LCSW-12	LCSW MR-13	RPD	AC56495-001-14	AC56495-001-20	%Diff
Arsenic	<=20	<=10	0.010 U	0.010 U	---				0.00463 U	0.02315 U	---
Barium	<=20	<=10	.25 U	.25 U	---				0.176417	0.1731205	1.9
Cadmium	<=20	<=10	.05 U	.05 U	---				0.000169 U	0.000845 U	---
Chromium	<=20	<=10	0.2 U	0.2 U	---				0.0035015	0.002325 U	---
Lead	<=20	<=10	0.065 U	0.065 U	---				0.0100506	0.00915 U	---
Selenium	<=20	<=10	.2 U	.2 U	---				0.00696 U	0.0348 U	---
Silver	<=20	<=10	0.05 U	0.05 U	---				0.000277 U	0.001385 U	---

Flags:

Na::Method Rep outside of Qc Limits
√b :Method Rep out but concentrations < 5* Reporting Limits
U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)
Lm:Lcs Rpd Out

Sa:Serial Dilution outside of qc limits
Sb: Serial dilution out but concentration < 10 * IDL
E: Serial Dilution outside of qc limits CLP

FORM6/FORM9
RPDS

Date Analyzed: 12/30/10
Data File: H12191SP
Prep Batch: 3193
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 0122205

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

	Qc Limits		Sample	Method Rep		LCS	LCS MR		Sample	Serial Dil	
Analyte	LCS/MR	SD	AC56495-001-14	AC56495-001-15	RPD	LCSW-12	LCSW MR-13	RPD			%Diff
Mercury	<=20	<=10	0.7 U	0.7 U	---						

Flags:

Na::Method Rep outside of Qc Limits
Nb :Method Rep out but concentrations < 5* Reporting Limits
U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)
Lm:Lcs Rpd Out

Sa:Serial Dilution outside of qc limits
Sb: Serial dilution out but concentration < 10 * IDL
E: Serial Dilution outside of qc limits CLP

SPLP
Metal Data
Verification of Instrument Parameters

INTERELEMENT CORRECTION SUMMARY
PEICP1

Interfering Elements

Interfered Elements	Al	Ca	Fe	Mg	Mn	Zn	Ti	Mo
Al	N/A	0	0	0	0	0	0	18.2
Sb	-0.29	-0.022	-0.0615	0.00272	0	0	0	-13.7
As	0	-0.0291	-0.0757	0.01021	0	0	2.69	0
Ba	0	0	0.0768	0	0	0	0	-0.673
Be	0	0	-0.237	0	0	0	0	0.114
Cd	0	0	0.0939	0	0	0	0	0
Ca	0	N/A	0	0	0	0	0	0
Cr	0.0144	0	0	0	0	-7.89	0	-0.338
Co	0	0	0.000428	0	0	0	1.851	-0.478
Cu	0	0.0245	0	0	0	0	-0.334	0.605
Fe	0	0	N/A	0	0	0	0	0
Pb	-0.114	-0.0198	0.0431	0	0	0	-0.684	-1
Mg	0	0	0	N/A	0	0	0	0
Mn	0	0	-0.0482	0.0177	N/A	0	0.0369	0
Mo	-0.0326	0	-0.0346	0	0	0	0	N/A
Ni	0	0	0.0317	0	0	0	0	-0.469
Se	0.00443	0.193	0.0477	0	0	0	0.0688	0
Ag	0	-0.0189	-0.032	0	0	0	0	0
Tl	-0.0521	0.0131	-0.0341	0	-3.88	0	-11.8	0.322
Sn	0.00402	-0.0406	0	-0.015	0	0	-0.527	0
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0	0.331	0	0	0	-7.42
Zn	0	0	0	0.00224	0	0	0	0

IEC'S RUN 09/24/2010
modified Mn on 11/19/10, Sn 12/03/10, As on 12/14/10. modified Co, Se on 12/21/10, Sb on 12/27/10. modified Cd, Pb, Tl, V, Zn on 12/29/10. modified Ba, Be on 12/30/10.

MDL / RL SUMMARY
SPLP
PE ICP 1

ELEMENT	MDL	Reporting Limits (Mg/L)
Al	0.0300	1
Sb	0.00359	0.07
As	0.00258	0.2
Ba	0.000139	0.25
Be	0.0000401	0.01
Cd	0.000297	0.05
Ca	0.075	5
Cr	0.000763	0.2
Co	0.000468	0.2
Cu	0.00442	0.2
Fe	0.0134	1
Pb	0.00237	0.065
Mg	0.0841	5
Mn	0.000801	0.2
Mo	0.000678	0.2
Ni	0.000632	0.2
Se	0.00351	0.2
Ag	0.000673	0.05
Tl	0.00627	0.2
Sn	0.0012	0.2
Ti	0.000367	0.2
V	0.000198	0.2
Zn	0.00478	0.2

Al,Be,Ca,Fe,Pb,Ag, and Zn analyzed on 10/26/10. All other analytes analyzed on 10/21/10.

HGCV2 MDL/RL SUMMARY

Element: Mercury
Instrument: PE FIMS 100 **Instrument ID:** HgCV2
Technique: CV **Analyst** Mudassar Janjua

600 Series	METHOD	MDL (ppb)	Completed	RL (ppb)
H2O	245.1	0.0766	9/8/2010	0.20
SW846				
H2O	7470A	0.0613	9/15/2010	0.70
SOIL	7471 A	0.1676	9/13/2010	0.50
TCLP	7470A	0.1380	9/13/2010	0.70
SPLP	7470A	0.0816	9/13/2010	0.70

LINEAR RANGES
PE ICP 1
AXIAL

ELEMENT	LINEAR RANGE (PPM)
Al	450
Sb	45
As	45
Ba	36
Be	9
Cd	36
Ca	630
Cr	45
Co	45
Cu	45
Fe	360
Pb	45
Mg	900
Mn	27
Mo	45
Ni	45
Se	45
Ag	1.8
Tl	45
Sn	45
Ti	45
V	36
Zn	45

Sn analyzed on 5/17/10. Be, Cu, Tl, Zn, Mn, V, and Ag analyzed on 5/14/10. Ca and Mg analyzed on 05/20/10. All the others anayzed on 5/13/10.

SPLP
Metal Data
Raw Data

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104647

Prepared By: Aliano, Carmela
Description: Hg Intermediate Standard
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9367
Concentration: .25 ppm
Final Volume: 500 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4819	Mercury	.125 ml	1000 mg/l	
5482	Nitric Acid	12.5 ml	neat neat	

Veritech Lot Number: V-104648

Prepared By: Aliano, Carmela
Description: Hg intermediate Control
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9367
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-104709

Prepared By: Adelartey, Olufemi
Description: Hg AQ ICV 20 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 20 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104648	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104710

Prepared By: Adelartey, Olufemi
Description: Hg AQ CCV 10 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104648	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104711

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard blk
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 0 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104712

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard .2 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: .2 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104647	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104713

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard .5 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: .5 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-104647	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-104714

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard 1 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 1 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104647	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104715

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard 2 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 2 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104647	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104716

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard 5 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 5 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104647	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-104717

Prepared By: Adelartey, Olufemi
Description: Hg AQ standard 10 ppb
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9373
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104647	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104718

Prepared By:	Adelartey, Olufemi	Department: Metals	ApprovedBy: AUTO
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9373	ApproveDate: 01/08/11
Prep Date:	12/23/2010	Concentration: 25 ppb	Checked: Yes
Expiration Date:	12/23/2010	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-104647	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-97033

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: gael
Description: ICS 1 INTERMEDIATE
BatchNumber:
ApproveDate: 10/19/10
Prep Date: 9/29/2010
Concentration: various mg/l
Checked: Yes
Expiration Date: 12/28/2010
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5209	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-99245

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: melissa
Description: ICS1 Lowest std
BatchNumber:
ApproveDate: 12/30/10
Prep Date: 10/21/2010
Concentration: various mg/l
Checked: Yes
Expiration Date: 12/28/2010
Final Volume: 1000 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5330	hidrochloric acid	50 ml	neat neat	
5209	Nitric Acid	50 ml	neat neat	
V-97033	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-101034

Prepared By: Berls, Sean R.
Department: Metals
ApprovedBy: gael
Description: 5% Potassium Persulfate
BatchNumber:
ApproveDate: 12/01/10
Prep Date: 11/9/2010
Concentration: reagent
Checked: Yes
Expiration Date: 2/8/2011
Final Volume: 10 l

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-101544

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: melissa
Description: ICS2- Low Std
BatchNumber:
ApproveDate: 12/30/10
Prep Date: 11/12/2010
Concentration: MULTI multi
Checked: Yes
Expiration Date: 2/11/2011
Final Volume: 500 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5366	nitric acid	25 ml	neat neat	
5394	Hydrochloric Acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101549

Prepared By: Balashanthan, Shiamala
Description: ICV
Prep Date: 11/12/2010
Expiration Date: 2/11/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 12/08/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5394	Hydrochloric Acid	25 ml	neat neat	
5255	ICV 1	10 ml	NEAT neat	
5366	nitric acid	25 ml	neat neat	
5256	ICV 2	10 ml	50 mg/l	

Veritech Lot Number: V-101766

Prepared By: Janjua, Mudassar
Description: Hydroxylamine Hydrochloride
Prep Date: 11/15/2010
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: gael
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Lot Number: V-102253

Prepared By: Balashanthan, Shiamala
Description: ICS3 - Middle Std
Prep Date: 11/19/2010
Expiration Date: 2/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5366	nitric acid	50 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-102254

Prepared By: Balashanthan, Shiamala
Description: ICS4 - High std
Prep Date: 11/19/2010
Expiration Date: 2/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 12/30/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5366	nitric acid	25 ml	neat neat	
5394	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-102257

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: melissa
Description: ICSA
BatchNumber:
ApproveDate: 12/30/10
Prep Date: 11/19/2010
Concentration: MULTI mg/l
Checked: Yes
Expiration Date: 2/18/2011
Final Volume: 1000 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5247	ICSA	50 ml	NEAT neat	
5394	Hydrochloric Acid	50 ml	neat neat	
5366	nitric acid	50 ml	neat neat	

Veritech Lot Number: V-102763

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: melissa
Description: CCV
BatchNumber:
ApproveDate: 12/30/10
Prep Date: 11/30/2010
Concentration: MULTI multi
Checked: Yes
Expiration Date: 3/1/2011
Final Volume: 1000 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5328	nitric acid	50 ml	neat neat	
5256	ICV 2	10 ml	50 mg/l	
5394	Hydrochloric Acid	50 ml	neat neat	
5255	ICV 1	10 ml	NEAT neat	

Veritech Lot Number: V-102780

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: melissa
Description: ICB/CCB
BatchNumber:
ApproveDate: 12/30/10
Prep Date: 11/30/2010
Concentration: 0 mg/l
Checked: Yes
Expiration Date: 3/1/2011
Final Volume: 1000 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5328	nitric acid	50 ml	neat neat	
5394	Hydrochloric Acid	50 ml	neat neat	

Veritech Lot Number: V-102798

Prepared By: Balashanthan, Shiamala
Department: Metals
ApprovedBy: melissa
Description: ICSAB
BatchNumber:
ApproveDate: 12/30/10
Prep Date: 11/30/2010
Concentration: MULTI multi
Checked: Yes
Expiration Date: 3/1/2011
Final Volume: 1000 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5328	nitric acid	50 ml	neat neat	
5394	Hydrochloric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Lot Number: V-102819

Prepared By: Janjua, Mudassar
Department: Metals
ApprovedBy: gael
Description: 5% Potassium Permanganate
BatchNumber:
ApproveDate: 12/02/10
Prep Date: 11/30/2010
Concentration: reagent
Checked: Yes
Expiration Date: 5/30/2011
Final Volume: 20 l

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	1000 g	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-103147

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 12/3/2010
Expiration Date: 5/18/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: melissa
ApproveDate: 01/02/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5394	Hydrochloric Acid	1000 ml	neat neat	

Veritech Lot Number: V-104648

Prepared By: Aliano, Carmela
Description: Hg intermediate Control
Prep Date: 12/23/2010
Expiration Date: 12/23/2010
Department: Metals
BatchNumber: B-9367
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-104927

Prepared By: Janjua, Mudassar
Description: SnCl2
Prep Date: 12/30/2010
Expiration Date: 12/30/2010
Department: Metals
BatchNumber: B-9388
Concentration: 1.1% SnCl2 in
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-104928	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-104928

Prepared By: Janjua, Mudassar
Description: 3% HCL
Prep Date: 12/30/2010
Expiration Date: 12/30/2010
Department: Metals
BatchNumber: B-9388
Concentration: reagent reage
Final Volume: 10 l
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	300 ml	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description
Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description
Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5192

Description
calibration std

ApprovedBy: shiamala
ApproveDate: 09/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
spex	CL-CAL-1	42-50AS	08/25/10	08/29/11	Miller,Gael E.	1	100M	20	MG/L

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5202

Description: Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5209

Description: Nitric Acid

ApprovedBy: gael
ApproveDate: 10/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110040	08/27/10	05/26/13	Lopez, Jose	12	4L	neat	neat

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5255

Description: ICV 1

ApprovedBy: gael
ApproveDate: 10/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Spex	XHCV-7	25-84JB	09/16/10	09/14/11	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5256

Description: ICV 2

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	25-83JB	09/16/10	09/14/11	Miller,Gael E.	2	500M	50	MG/L

Veritech Control/Receipt Number: 5328

Description: nitric acid

ApprovedBy: gael
ApproveDate: 12/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110040	10/12/10	05/31/13	Lopez, Jose	6	2.5L	neat	neat

Veritech Control/Receipt Number: 5330

Description: hidrochloric acid

ApprovedBy: gael
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110040	10/12/10	05/31/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5364

Description
icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description
hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5366

Description
nitric acid

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK12	1110060	10/21/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5394

Description
Hydrochloric Acid

ApprovedBy: gael
ApproveDate: 11/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	11/04/10	03/30/13	Okomeng, Maxwel	12	2.5LT	neat	neat

Veritech Control/Receipt Number: 5403

Description
ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5404

Description
ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description
ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Run Log

Data File: W:\METALS.FRM\ICPDATA\Pelcp1\SP12191A.txt **Instrument:** PEICP1

Analysis Date: 12/30/10

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calib Blk 1 V-102780	1	CAL	14:19	1						
Calib Std 1 V-99245	1	CAL	14:22	2						
Calib Std 2 V-101544	1	CAL	14:25	3						
Calib Std 3 V-102253	1	CAL	14:28	4						
Calib Std 4 V-102254	1	CAL	14:31	5						
ICS3 V-102253	1	ICS	14:34	6						
ICV V-101549 (2)	1	ICV	14:37	7						
ICB V-102780	1	ICB	14:40	8						
ICSA V-102257	1	ICSA	14:43	9						
ICSAB V-102798	1	ICSAB	14:47	10						
MB 12191 (1)	1	MB	14:51	11		SPLP	SPLP	SW846	3193	
LCSW	1	LCS	14:54	12		SPLP	SPLP	SW846	3193	
LCSW MR	1	LCS	14:57	13		SPLP	SPLP	SW846	3193	
AC56495-001	1	SMP	15:00	14	METALS-SPLP	SPLP	SPLP	SW846	3193	
AC56495-001	1	MR	15:03	15	METALS-SPLP	SPLP	SPLP	SW846	3193	
AC56495-001	1	MS	15:06	16	METALS-SPLP	SPLP	SPLP	SW846	3193	
AC56495-001	1	PS	15:09	17	METALS-SPLP	SPLP	SPLP	SW846	3193	
CCV V-102763	1	CCV	15:12	18						
CCB	1	CCB	15:16	19						
AC56495-001	5	SD	15:19	20	METALS-SPLP	SPLP	SPLP	SW846	3193	
AC56495-002	1	SMP	15:22	21	METALS-SPLP	SPLP	SPLP	SW846	3193	
DI BLANK	1	SMP	15:25	22		SPLP	SPLP	SW846	3193	
ICSA V-102257	1	ICSA	15:28	23						
ICSAB V-102798	1	ICSAB	15:32	24						
CCV V-102763	1	CCV	15:36	25						
CCB	1	CCB	15:39	26						

12/30/10

1/3/11

Run Log

Data File: W:\METALS.FRM\ICPDATA\HgCv2\H12191SP.txt **Instrument:** HGCV2

Analysis Date: 12/30/10 **Standard/Batch/SnCl2 Lot #:** V-104927

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calibration Blank	1	CAL	09:28	1						
.2 PPB	1	CAL	09:29	2						
.5 PPB	1	CAL	09:31	3						
1 PPB	1	CAL	09:32	4						
2 PPB	1	CAL	09:34	5						
5 PPB	1	CAL	09:35	6						
10 PPB	1	CAL	09:37	7						
25 PPB	1	CAL	09:38	8						
ICV (2)	1	ICV	09:40	9						
ICB	1	ICB	09:41	10						
MB 3193 (1)	1	MB	09:43	11		SPLP	SPLP	SW846	3193	
LCSW	1	LCS	09:44	12		SPLP	SPLP	SW846	3193	
LCSW MR	1	LCS	09:46	13		SPLP	SPLP	SW846	3193	
AC56495-001	1	SMP	09:47	14	HG-SPLP	SPLP	SPLP	SW846	3193	
AC56495-001	1	MR	09:49	15	HG-SPLP	SPLP	SPLP	SW846	3193	
AC56495-001	1	MS	09:50	16	HG-SPLP	SPLP	SPLP	SW846	3193	
AC56495-002	1	SMP	09:52	17	HG-SPLP	SPLP	SPLP	SW846	3193	
DI-BLANK	1	SMP	09:53	18		SPLP	SPLP	SW846	3193	
CCV	1	CCV	09:54	19						
CCB	1	CCB	09:56	20						

12/30/10

12/30/10

File SP12191A Batch 12191 SPLP

Method: PE1 3000DV AXIAL Page 1 Date: 12/30/2010 2:21:04 PM

Analyst S Bch 12/30/10

Analysis Begun

Start Time: 12/30/2010 2:16:07 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 3300 DV, S/N 069N5072002
Plasma On Time: 12/30/2010 9:54:01 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\IDL.sif
Batch ID: 8336
Results Data Set: SP12191A
Results Library: C:\pe\Administrator\Results\Results.mdb

SH 1/3/11

Method Loaded
Method Name: PE1 3000DV AXIAL
IEC File: IEC092410.iec
Method Description: 200.7/6010B
Method Last Saved: 12/29/2010 3:53:49 PM
MSF File:

Sequence No.: 1
Sample ID: Calib Blk 1 V-102780
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 12/30/2010 2:19:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-102780

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	7311.6	30.23	0.41%	[0.00]	mg/L
Sb 206.836	-32.6	0.15	0.45%	[0.00]	mg/L
As 188.979	-16.0	2.25	14.06%	[0.00]	mg/L
Ba 233.527	-89.5	2.41	2.70%	[0.00]	mg/L
Be 234.861	-309.2	12.55	4.06%	[0.00]	mg/L
Cd 226.502	-88.5	2.67	3.02%	[0.00]	mg/L
Ca 315.887	-1899.6	19.25	1.01%	[0.00]	mg/L
Cr 206.158	20.2	4.03	19.95%	[0.00]	mg/L
Co 228.616	-162.7	0.82	0.50%	[0.00]	mg/L
Cu 324.752	1565.3	47.64	3.04%	[0.00]	mg/L
Fe 273.955	675.7	1.12	0.17%	[0.00]	mg/L
Pb 220.353	40.5	3.69	9.13%	[0.00]	mg/L
Mg 279.077	2077.5	21.85	1.05%	[0.00]	mg/L
Mn 257.610	281.0	5.31	1.89%	[0.00]	mg/L
Mo 202.031	-76.8	0.56	0.74%	[0.00]	mg/L
Ni 231.604	126.0	4.21	3.34%	[0.00]	mg/L
Se 196.026	-21.0	5.12	24.42%	[0.00]	mg/L
Ag 328.068	37.4	25.39	67.91%	[0.00]	mg/L
Na 330.237	607.0	55.85	9.20%	[0.00]	mg/L
Tl 190.801	-55.3	2.45	4.44%	[0.00]	mg/L
Sn 189.927	-8.0	1.24	15.50%	[0.00]	mg/L
Ti 334.940	328.0	48.87	14.90%	[0.00]	mg/L
V 292.402	-136.5	1.17	0.85%	[0.00]	mg/L
Zn 206.200	771.3	0.49	0.06%	[0.00]	mg/L

12191

all elements reported

Sequence No.: 2
Sample ID: Calib Std 1 V-99245
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 158
Date Collected: 12/30/2010 2:22:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1 V-99245

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
As 188.979	4.8	1.51	31.47%	[0.005]	mg/L
Be 234.861	898.1	1.87	0.21%	[0.003]	mg/L
Cd 226.502	132.2	5.27	3.98%	[0.003]	mg/L
Pb 220.353	13.5	5.66	41.95%	[0.004]	mg/L
Tl 190.801	6.5	0.37	5.70%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2 V-101544
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 12/30/2010 2:25:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 2 V-101544

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	953.1	6.20	0.65%	[0.1]	mg/L
Sb 206.836	14.7	0.89	6.06%	[0.01]	mg/L
As 188.979	8.6	0.80	9.36%	[0.01]	mg/L
Ba 233.527	320.4	0.81	0.25%	[0.01]	mg/L
Be 234.861	2834.0	0.19	0.01%	[0.01]	mg/L
Cd 226.502	457.9	0.02	0.00%	[0.01]	mg/L
Ca 315.887	26918.8	4.10	0.02%	[1]	mg/L
Cr 206.158	113.5	2.27	2.00%	[0.01]	mg/L
Co 228.616	160.5	1.43	0.89%	[0.01]	mg/L
Cu 324.752	1124.1	39.06	3.48%	[0.01]	mg/L
Fe 273.955	1113.4	6.55	0.59%	[0.1]	mg/L
Pb 220.353	38.8	2.49	6.43%	[0.01]	mg/L
Mg 279.077	7295.7	37.23	0.51%	[1]	mg/L
Mn 257.610	2939.6	38.04	1.29%	[0.01]	mg/L
Mo 202.031	104.6	5.69	5.45%	[0.01]	mg/L
Ni 231.604	177.0	4.48	2.53%	[0.01]	mg/L
Se 196.026	18.3	0.26	1.42%	[0.01]	mg/L
Ag 328.068	86.9	4.16	4.79%	[0.002]	mg/L
Na 330.237	323.2	15.07	4.66%	[1]	mg/L
Tl 190.801	13.3	3.71	27.97%	[0.01]	mg/L
Sn 189.927	36.2	2.84	7.83%	[0.01]	mg/L
Ti 334.940	1875.2	18.44	0.98%	[0.01]	mg/L
V 292.402	556.7	2.20	0.40%	[0.01]	mg/L
Zn 206.200	103.3	10.85	10.51%	[0.01]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3 V-102253
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/30/2010 2:28:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3 V-102253

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Al 308.215	41614.9	933.47	2.24%	[5]	mg/L
Sb 206.836	694.7	5.64	0.81%	[0.5]	mg/L
As 188.979	553.1	6.47	1.17%	[0.5]	mg/L
Ba 233.527	15923.6	11.32	0.07%	[0.5]	mg/L
Be 234.861	148707.5	209.31	0.14%	[0.5]	mg/L
Cd 226.502	23112.9	55.47	0.24%	[0.5]	mg/L
Ca 315.887	1289015.0	3925.48	0.30%	[50]	mg/L
Cr 206.158	5449.3	37.71	0.69%	[0.5]	mg/L
Co 228.616	7918.1	29.41	0.37%	[0.5]	mg/L
Cu 324.752	59103.6	571.13	0.97%	[0.5]	mg/L
Fe 273.955	55854.4	246.50	0.44%	[5]	mg/L
Pb 220.353	1908.5	7.79	0.41%	[0.5]	mg/L
Mg 279.077	365825.0	42.39	0.01%	[50]	mg/L
Mn 257.610	141669.3	382.43	0.27%	[0.5]	mg/L
Mo 202.031	5192.6	5.07	0.10%	[0.5]	mg/L
Ni 231.604	8865.2	12.18	0.14%	[0.5]	mg/L
Se 196.026	782.5	2.46	0.31%	[0.5]	mg/L
Ag 328.068	9589.0	12.81	0.13%	[0.1]	mg/L
Na 330.237	20781.5	59.36	0.29%	[50]	mg/L
Tl 190.801	561.4	4.63	0.83%	[0.5]	mg/L
Sn 189.927	1571.0	5.51	0.35%	[0.5]	mg/L
Ti 334.940	94528.1	458.59	0.49%	[0.5]	mg/L
V 292.402	27818.2	330.29	1.19%	[0.5]	mg/L
Zn 206.200	6926.2	47.66	0.69%	[0.5]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4 V-102254
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/30/2010 2:31:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4 V-102254

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	83942.2	146.25	0.17%	[10]	mg/L
Sb 206.836	1373.8	12.69	0.92%	[1.0]	mg/L
As 188.979	1096.7	6.30	0.57%	[1.0]	mg/L
Ba 233.527	31035.0	57.41	0.18%	[1.0]	mg/L
Be 234.861	300448.7	1023.38	0.34%	[1.0]	mg/L
Cd 226.502	44732.3	168.59	0.38%	[1.0]	mg/L
Ca 315.887	2502909.5	5319.08	0.21%	[100]	mg/L
Cr 206.158	10730.1	6.54	0.06%	[1.0]	mg/L
Co 228.616	15432.2	45.94	0.30%	[1.0]	mg/L
Cu 324.752	117738.8	567.99	0.48%	[1.0]	mg/L
Fe 273.955	107529.6	296.43	0.28%	[10]	mg/L
Pb 220.353	3746.3	50.65	1.35%	[1.0]	mg/L
Mg 279.077	724405.4	2979.25	0.41%	[100]	mg/L
Mn 257.610	276788.9	1465.75	0.53%	[1.0]	mg/L
Mo 202.031	10171.4	90.34	0.89%	[1.0]	mg/L
Ni 231.604	16882.2	173.80	1.03%	[1.0]	mg/L
Se 196.026	1506.8	9.15	0.61%	[1.0]	mg/L
Ag 328.068	18951.3	21.52	0.11%	[0.2]	mg/L
Na 330.237	45219.6	11.49	0.03%	[100]	mg/L
Tl 190.801	1080.2	12.58	1.16%	[1.0]	mg/L
Sn 189.927	3067.5	4.91	0.16%	[1.0]	mg/L
Ti 334.940	187596.8	276.43	0.15%	[1.0]	mg/L
V 292.402	53867.7	115.78	0.21%	[1.0]	mg/L
Zn 206.200	13653.8	91.21	0.67%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	3	Lin, Calc Int	-13.2	8382	0.00000	0.999988	
Sb 206.836	3	Lin, Calc Int	1.9	1375	0.00000	0.999983	
As 188.979	4	Lin, Calc Int	-0.4	1099	0.00000	0.999987	
Ba 233.527	3	Lin Thru 0	0.0	31200	0.00000	0.999946	
Be 234.861	4	Lin Thru 0	0.0	299800	0.00000	0.999992	
Cd 226.502	4	Lin Thru 0	0.0	45030	0.00000	0.999912	
Ca 315.887	3	Lin, Calc Int	7694.0	25090	0.00000	0.999883	
Cr 206.158	3	Lin, Calc Int	18.1	10740	0.00000	0.999968	
Co 228.616	3	Lin, Calc Int	39.6	15470	0.00000	0.999910	
Cu 324.752	3	Lin, Calc Int	18.4	117800	0.00000	0.999998	
Fe 273.955	3	Lin, Calc Int	397.6	10790	0.00000	0.999801	
Pb 220.353	4	Lin, Calc Int	4.3	3755	0.00000	0.999958	
Mg 279.077	3	Lin Thru 0	0.0	7259	0.00000	0.999992	
Mn 257.610	3	Lin Thru 0	0.0	278100	0.00000	0.999956	
Mo 202.031	3	Lin, Calc Int	20.8	10190	0.00000	0.999942	
Ni 231.604	3	Lin Thru 0	0.0	17050	0.00000	0.999802	
Se 196.026	3	Lin, Calc Int	6.8	1510	0.00000	0.999811	
Ag 328.068	3	Lin Thru 0	0.0	94980	0.00000	0.999977	
Na 330.237	3	Lin, Calc Int	-391.3	449.6	0.00000	0.999144	
Tl 190.801	4	Lin, Calc Int	3.8	1084	0.00000	0.999826	
Sn 189.927	3	Lin, Calc Int	9.3	3071	0.00000	0.999926	
Ti 334.940	3	Lin Thru 0	0.0	187900	0.00000	0.999995	
V 292.402	3	Lin, Calc Int	169.1	54020	0.00000	0.999858	
Zn 206.200	3	Lin, Calc Int	3.0	13690	0.00000	0.999965	

Sequence No.: 6
Sample ID: ICS3 V-102253
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/30/2010 2:34:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-102253

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	41546.8	4.94917	mg/L	0.015422	4.94917	mg/L	0.015422	0.31%
QC value within limits for Al 308.215 Recovery = 98.98%								
Sb 206.836	697.3	0.514400	mg/L	0.0039868	0.514400	mg/L	0.0039868	0.78%
QC value within limits for Sb 206.836 Recovery = 102.88%								
As 188.979	549.7	0.500482	mg/L	0.0062575	0.500482	mg/L	0.0062575	1.25%
QC value within limits for As 188.979 Recovery = 100.10%								
Ba 233.527	16030.0	0.513770	mg/L	0.0008649	0.513770	mg/L	0.0008649	0.17%
QC value within limits for Ba 233.527 Recovery = 102.75%								
Be 234.861	148814.5	0.497591	mg/L	0.0010022	0.497591	mg/L	0.0010022	0.20%
QC value within limits for Be 234.861 Recovery = 99.52%								
Cd 226.502	23140.8	0.513402	mg/L	0.0050795	0.513402	mg/L	0.0050795	0.99%
QC value within limits for Cd 226.502 Recovery = 102.68%								
Ca 315.887	1295544.5	51.3363	mg/L	0.17640	51.3363	mg/L	0.17640	0.34%
QC value within limits for Ca 315.887 Recovery = 102.67%								
Cr 206.158	5468.5	0.511501	mg/L	0.0019399	0.511501	mg/L	0.0019399	0.38%
QC value within limits for Cr 206.158 Recovery = 102.30%								
Co 228.616	7942.3	0.510304	mg/L	0.0015942	0.510304	mg/L	0.0015942	0.31%
QC value within limits for Co 228.616 Recovery = 102.06%								
Cu 324.752	59636.9	0.504658	mg/L	0.0022835	0.504658	mg/L	0.0022835	0.45%
QC value within limits for Cu 324.752 Recovery = 100.93%								
Fe 273.955	55936.4	5.14794	mg/L	0.033935	5.14794	mg/L	0.033935	0.66%
QC value within limits for Fe 273.955 Recovery = 102.96%								
Pb 220.353	1915.5	0.511152	mg/L	0.0006382	0.511152	mg/L	0.0006382	0.12%
QC value within limits for Pb 220.353 Recovery = 102.23%								
Mg 279.077	367074.7	50.5714	mg/L	0.37002	50.5714	mg/L	0.37002	0.73%
QC value within limits for Mg 279.077 Recovery = 101.14%								
Mn 257.610	141655.8	0.508703	mg/L	0.0046791	0.508703	mg/L	0.0046791	0.92%
QC value within limits for Mn 257.610 Recovery = 101.74%								
Mo 202.031	5209.1	0.509549	mg/L	0.0000819	0.509549	mg/L	0.0000819	0.02%
QC value within limits for Mo 202.031 Recovery = 101.91%								
Ni 231.604	8938.2	0.524255	mg/L	0.0007800	0.524255	mg/L	0.0007800	0.15%
QC value within limits for Ni 231.604 Recovery = 104.85%								
Se 196.026	774.5	0.498088	mg/L	0.0064585	0.498088	mg/L	0.0064585	1.30%
QC value within limits for Se 196.026 Recovery = 99.62%								
Ag 328.068	9540.9	0.101587	mg/L	0.0007216	0.101587	mg/L	0.0007216	0.71%
QC value within limits for Ag 328.068 Recovery = 101.59%								
Na 330.237	20799.1	47.1317	mg/L	0.07573	47.1317	mg/L	0.07573	0.16%
QC value within limits for Na 330.237 Recovery = 94.26%								
Tl 190.801	565.2	0.525389	mg/L	0.0034753	0.525389	mg/L	0.0034753	0.66%
QC value within limits for Tl 190.801 Recovery = 105.08%								
Sn 189.927	1580.8	0.514793	mg/L	0.0031540	0.514793	mg/L	0.0031540	0.61%
QC value within limits for Sn 189.927 Recovery = 102.96%								
Ti 334.940	94926.5	0.505227	mg/L	0.0017699	0.505227	mg/L	0.0017699	0.35%
QC value within limits for Ti 334.940 Recovery = 101.05%								
V 292.402	28057.1	0.503316	mg/L	0.0018619	0.503316	mg/L	0.0018619	0.37%
QC value within limits for V 292.402 Recovery = 100.66%								
Zn 206.200	6970.3	0.508837	mg/L	0.0020379	0.508837	mg/L	0.0020379	0.40%
QC value within limits for Zn 206.200 Recovery = 101.77%								

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: ICV V-101549 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 159
Date Collected: 12/30/2010 2:37:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-101549 (2)

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	83689.4	9.96876	mg/L	0.015490	9.96876	mg/L	0.015490	0.16%
QC value within limits for Al 308.215 Recovery = 99.69%								
Sb 206.836	1324.5	0.978423	mg/L	0.0042667	0.978423	mg/L	0.0042667	0.44%
QC value within limits for Sb 206.836 Recovery = 97.84%								
As 188.979	1066.3	0.970507	mg/L	0.0024064	0.970507	mg/L	0.0024064	0.25%
QC value within limits for As 188.979 Recovery = 97.05%								
Ba 233.527	30576.0	0.979991	mg/L	0.0023469	0.979991	mg/L	0.0023469	0.24%
QC value within limits for Ba 233.527 Recovery = 98.00%								
Be 234.861	289687.3	0.968528	mg/L	0.0018157	0.968528	mg/L	0.0018157	0.19%
QC value within limits for Be 234.861 Recovery = 96.85%								
Cd 226.502	44048.7	0.977283	mg/L	0.0000745	0.977283	mg/L	0.0000745	0.01%
QC value within limits for Cd 226.502 Recovery = 97.73%								
Ca 315.887	2476037.7	98.3932	mg/L	0.36687	98.3932	mg/L	0.36687	0.37%
QC value within limits for Ca 315.887 Recovery = 98.39%								
Cr 206.158	10373.7	0.971861	mg/L	0.0017231	0.971861	mg/L	0.0017231	0.18%
QC value within limits for Cr 206.158 Recovery = 97.19%								
Co 228.616	15031.0	0.968034	mg/L	0.0017490	0.968034	mg/L	0.0017490	0.18%
QC value within limits for Co 228.616 Recovery = 96.80%								
Cu 324.752	115364.5	0.976410	mg/L	0.0003784	0.976410	mg/L	0.0003784	0.04%
QC value within limits for Cu 324.752 Recovery = 97.64%								
Fe 273.955	104125.6	9.61464	mg/L	0.005290	9.61464	mg/L	0.005290	0.06%
QC value within limits for Fe 273.955 Recovery = 96.15%								
Pb 220.353	3647.3	0.974430	mg/L	0.0040029	0.974430	mg/L	0.0040029	0.41%
QC value within limits for Pb 220.353 Recovery = 97.44%								
Mg 279.077	712180.1	98.1161	mg/L	0.59272	98.1161	mg/L	0.59272	0.60%
QC value within limits for Mg 279.077 Recovery = 98.12%								
Mn 257.610	267298.8	0.959848	mg/L	0.0009259	0.959848	mg/L	0.0009259	0.10%
QC value within limits for Mn 257.610 Recovery = 95.98%								
Mo 202.031	9883.0	0.968578	mg/L	0.0014182	0.968578	mg/L	0.0014182	0.15%
QC value within limits for Mo 202.031 Recovery = 96.86%								
Ni 231.604	16493.5	0.967406	mg/L	0.0044651	0.967406	mg/L	0.0044651	0.46%
QC value within limits for Ni 231.604 Recovery = 96.74%								
Se 196.026	1473.3	0.951446	mg/L	0.0036489	0.951446	mg/L	0.0036489	0.38%
QC value within limits for Se 196.026 Recovery = 95.14%								
Ag 328.068	18564.9	0.197629	mg/L	0.0001254	0.197629	mg/L	0.0001254	0.06%
QC value within limits for Ag 328.068 Recovery = 98.81%								
Na 330.237	44369.8	99.5576	mg/L	0.18938	99.5576	mg/L	0.18938	0.19%
QC value within limits for Na 330.237 Recovery = 99.56%								
Tl 190.801	1103.9	1.02907	mg/L	0.003131	1.02907	mg/L	0.003131	0.30%
QC value within limits for Tl 190.801 Recovery = 102.91%								
Sn 189.927	3016.9	0.985231	mg/L	0.0023739	0.985231	mg/L	0.0023739	0.24%
QC value within limits for Sn 189.927 Recovery = 98.52%								
Ti 334.940	181266.6	0.964756	mg/L	0.0026035	0.964756	mg/L	0.0026035	0.27%
QC value within limits for Ti 334.940 Recovery = 96.48%								
V 292.402	52557.8	0.944553	mg/L	0.0050554	0.944553	mg/L	0.0050554	0.54%
QC value within limits for V 292.402 Recovery = 94.46%								
Zn 206.200	13287.1	0.970153	mg/L	0.0016578	0.970153	mg/L	0.0016578	0.17%
QC value within limits for Zn 206.200 Recovery = 97.02%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-102780
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/30/2010 2:40:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-102780

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	162.9	0.0210442	mg/L	0.00903831	0.0210442	mg/L	0.00903831	42.95%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-0.5	-0.0017340	mg/L	0.00066974	-0.0017340	mg/L	0.00066974	38.62%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-1.1	-0.0007026	mg/L	0.00035153	-0.0007026	mg/L	0.00035153	50.03%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	11.4	0.0003670	mg/L	0.00009024	0.0003670	mg/L	0.00009024	24.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	33.6	0.0001005	mg/L	0.00002323	0.0001005	mg/L	0.00002323	23.12%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	-2.7	-0.0000548	mg/L	0.00000963	-0.0000548	mg/L	0.00000963	17.58%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	216.2	-0.298077	mg/L	0.0035283	-0.298077	mg/L	0.0035283	1.18%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	4.3	-0.0013703	mg/L	0.00017669	-0.0013703	mg/L	0.00017669	12.89%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	17.2	-0.0014489	mg/L	0.00015975	-0.0014489	mg/L	0.00015975	11.03%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	485.5	0.0039731	mg/L	0.00056084	0.0039731	mg/L	0.00056084	14.12%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	-121.6	-0.0481274	mg/L	0.00061868	-0.0481274	mg/L	0.00061868	1.29%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-1.7	-0.0016139	mg/L	0.00204146	-0.0016139	mg/L	0.00204146	126.49%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	-31.8	-0.0043775	mg/L	0.00436070	-0.0043775	mg/L	0.00436070	99.62%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	8.8	0.0000293	mg/L	0.00002410	0.0000293	mg/L	0.00002410	82.18%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	1.9	-0.0018533	mg/L	0.00012437	-0.0018533	mg/L	0.00012437	6.71%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	8.5	0.0004965	mg/L	0.00018747	0.0004965	mg/L	0.00018747	37.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	-5.3	-0.0079348	mg/L	0.00291187	-0.0079348	mg/L	0.00291187	36.70%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-47.4	-0.0005065	mg/L	0.00052801	-0.0005065	mg/L	0.00052801	104.24%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	41.2	0.962046	mg/L	0.2152298	0.962046	mg/L	0.2152298	22.37%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	1.5	-0.0020820	mg/L	0.00044224	-0.0020820	mg/L	0.00044224	21.24%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	6.4	-0.0009463	mg/L	0.00018454	-0.0009463	mg/L	0.00018454	19.50%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-11.3	-0.0000603	mg/L	0.00005368	-0.0000603	mg/L	0.00005368	89.07%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	11.3	-0.0029344	mg/L	0.00004244	-0.0029344	mg/L	0.00004244	1.45%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-134.1	-0.0100126	mg/L	0.00091695	-0.0100126	mg/L	0.00091695	9.16%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-102257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/30/2010 2:43:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-102257

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3565227.6	425.362	mg/L	0.5764	425.362	mg/L	0.5764	0.14%
QC value within limits for Al 308.215 Recovery = 85.07%								
Sb 206.836	-167.5	0.0074130	mg/L	0.00599473	0.0074130	mg/L	0.00599473	80.87%
As 188.979	-12.8	0.0090734	mg/L	0.00154611	0.0090734	mg/L	0.00154611	17.04%
Ba 233.527	470.3	0.0024938	mg/L	0.00028391	0.0024938	mg/L	0.00028391	11.38%
Be 234.861	-11679.5	-0.0001208	mg/L	0.00118031	-0.0001208	mg/L	0.00118031	976.83%
Cd 226.502	877.4	0.0041031	mg/L	0.00018264	0.0041031	mg/L	0.00018264	4.45%
Ca 315.887	10805922.7	430.439	mg/L	1.0755	430.439	mg/L	1.0755	0.25%
QC value within limits for Ca 315.887 Recovery = 86.09%								
Cr 206.158	24.0	-0.0056857	mg/L	0.00033285	-0.0056857	mg/L	0.00033285	5.85%
Co 228.616	-42.8	-0.0054022	mg/L	0.00006712	-0.0054022	mg/L	0.00006712	1.24%
Cu 324.752	1295.5	0.0002934	mg/L	0.00048355	0.0002934	mg/L	0.00048355	164.80%
Fe 273.955	1766765.3	163.726	mg/L	0.5252	163.726	mg/L	0.5252	0.32%
QC value within limits for Fe 273.955 Recovery = 81.86%								
Pb 220.353	-162.3	0.0055470	mg/L	0.00252693	0.0055470	mg/L	0.00252693	45.55%
Mg 279.077	3227411.8	444.636	mg/L	1.8415	444.636	mg/L	1.8415	0.41%
QC value within limits for Mg 279.077 Recovery = 88.93%								
Mn 257.610	-2918.7	-0.0104915	mg/L	0.00001247	-0.0104915	mg/L	0.00001247	0.12%
Saturated outside survey window (code 6)								
Mo 202.031	-173.6	0.0004897	mg/L	0.00025598	0.0004897	mg/L	0.00025598	52.28%
Ni 231.604	153.8	0.0038259	mg/L	0.00080681	0.0038259	mg/L	0.00080681	21.09%
Se 196.026	163.4	0.0107854	mg/L	0.00065386	0.0107854	mg/L	0.00065386	6.06%
Ag 328.068	-1000.9	0.0027687	mg/L	0.00012579	0.0027687	mg/L	0.00012579	4.54%
Na 330.237	-24.1	0.816844	mg/L	0.0423529	0.816844	mg/L	0.0423529	5.18%
Tl 190.801	-21.1	-0.0008790	mg/L	0.00067651	-0.0008790	mg/L	0.00067651	76.97%
Sn 189.927	-44.2	0.0050593	mg/L	0.00203282	0.0050593	mg/L	0.00203282	40.18%
Ti 334.940	-335.2	-0.0017841	mg/L	0.00019282	-0.0017841	mg/L	0.00019282	10.81%
V 292.402	8834.0	0.0130891	mg/L	0.00034471	0.0130891	mg/L	0.00034471	2.63%
Zn 206.200	-141.1	-0.0115170	mg/L	0.00014948	-0.0115170	mg/L	0.00014948	1.30%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-102798
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 12/30/2010 2:47:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-102798

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3687138.8	439.907	mg/L	4.3203	439.907	mg/L	4.3203	0.98%
QC value within limits for Al 308.215 Recovery = 87.98%								
Sb 206.836	1132.8	0.957663	mg/L	0.0048516	0.957663	mg/L	0.0048516	0.51%
QC value within limits for Sb 206.836 Recovery = 95.77%								
As 188.979	1018.9	0.948377	mg/L	0.0071953	0.948377	mg/L	0.0071953	0.76%
QC value within limits for As 188.979 Recovery = 94.84%								
Ba 233.527	14558.7	0.453685	mg/L	0.0001486	0.453685	mg/L	0.0001486	0.03%
QC value within limits for Ba 233.527 Recovery = 90.74%								
Be 234.861	137017.0	0.497023	mg/L	0.0055713	0.497023	mg/L	0.0055713	1.12%
QC value within limits for Be 234.861 Recovery = 99.40%								
Cd 226.502	40442.6	0.882239	mg/L	0.0037914	0.882239	mg/L	0.0037914	0.43%
QC value within limits for Cd 226.502 Recovery = 88.22%								
Ca 315.887	11048276.2	440.100	mg/L	1.5585	440.100	mg/L	1.5585	0.35%
QC value within limits for Ca 315.887 Recovery = 88.02%								
Cr 206.158	4911.2	0.456215	mg/L	0.0013127	0.456215	mg/L	0.0013127	0.29%
QC value within limits for Cr 206.158 Recovery = 91.24%								
Co 228.616	6865.7	0.441309	mg/L	0.0003845	0.441309	mg/L	0.0003845	0.09%
QC value within limits for Co 228.616 Recovery = 88.26%								
Cu 324.752	60093.6	0.499151	mg/L	0.0065052	0.499151	mg/L	0.0065052	1.30%
QC value within limits for Cu 324.752 Recovery = 99.83%								
Fe 273.955	1822491.5	168.892	mg/L	0.9773	168.892	mg/L	0.9773	0.58%
QC value within limits for Fe 273.955 Recovery = 84.45%								
Pb 220.353	3126.8	0.883079	mg/L	0.0024637	0.883079	mg/L	0.0024637	0.28%
QC value within limits for Pb 220.353 Recovery = 88.31%								
Mg 279.077	3320512.5	457.462	mg/L	3.5964	457.462	mg/L	3.5964	0.79%
QC value within limits for Mg 279.077 Recovery = 91.49%								
Mn 257.610	123902.4	0.445557	mg/L	0.0042381	0.445557	mg/L	0.0042381	0.95%
QC value within limits for Mn 257.610 Recovery = 89.11%								
Mo 202.031	-185.0	0.0000231	mg/L	0.00072342	0.0000231	mg/L	0.00072342	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	14758.9	0.860168	mg/L	0.0007119	0.860168	mg/L	0.0007119	0.08%
QC value within limits for Ni 231.604 Recovery = 86.02%								
Se 196.026	1476.4	0.877978	mg/L	0.0048047	0.877978	mg/L	0.0048047	0.55%
QC value within limits for Se 196.026 Recovery = 87.80%								
Ag 328.068	95113.8	1.01507	mg/L	0.012357	1.01507	mg/L	0.012357	1.22%
QC value within limits for Ag 328.068 Recovery = 101.51%								
Na 330.237	-866.1	-1.05587	mg/L	0.017176	-1.05587	mg/L	0.017176	1.63%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	922.2	0.871706	mg/L	0.0004657	0.871706	mg/L	0.0004657	0.05%
QC value within limits for Tl 190.801 Recovery = 87.17%								
Sn 189.927	-44.1	0.0056165	mg/L	0.00338769	0.0056165	mg/L	0.00338769	60.32%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-433.1	-0.0023053	mg/L	0.00013110	-0.0023053	mg/L	0.00013110	5.69%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	31933.3	0.436463	mg/L	0.0005100	0.436463	mg/L	0.0005100	0.12%
QC value within limits for V 292.402 Recovery = 87.29%								
Zn 206.200	12254.0	0.893883	mg/L	0.0047390	0.893883	mg/L	0.0047390	0.53%
QC value within limits for Zn 206.200 Recovery = 89.39%								

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: MB 12191 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 12/30/2010 2:51:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 12191 (1)

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1647.1	0.198129	mg/L	0.0499605	0.198129	mg/L	0.0499605	25.22%
Sb 206.836	1.1	-0.0005422	mg/L	0.00061411	-0.0005422	mg/L	0.00061411	113.25%
As 188.979	-3.6	-0.0029568	mg/L	0.00195362	-0.0029568	mg/L	0.00195362	66.07%
Ba 233.527	17.1	0.0005470	mg/L	0.00014537	0.0005470	mg/L	0.00014537	26.58%
Be 234.861	-3.5	-0.0000149	mg/L	0.00000945	-0.0000149	mg/L	0.00000945	63.59%
Cd 226.502	-4.3	-0.0000934	mg/L	0.00002596	-0.0000934	mg/L	0.00002596	27.78%
Ca 315.887	7644.9	-0.0019549	mg/L	0.00785270	-0.0019549	mg/L	0.00785270	401.70%
Cr 206.158	8.8	-0.0009996	mg/L	0.00021261	-0.0009996	mg/L	0.00021261	21.27%
Co 228.616	3.7	-0.0023225	mg/L	0.00036987	-0.0023225	mg/L	0.00036987	15.93%
Cu 324.752	2540.8	0.0214116	mg/L	0.00097670	0.0214116	mg/L	0.00097670	4.56%
Fe 273.955	257.6	-0.0129773	mg/L	0.00140401	-0.0129773	mg/L	0.00140401	10.82%
Pb 220.353	4.6	0.0000918	mg/L	0.00143416	0.0000918	mg/L	0.00143416	>999.9%
Mg 279.077	2095.4	0.288677	mg/L	0.2766868	0.288677	mg/L	0.2766868	95.85%
Mn 257.610	54.7	0.0001911	mg/L	0.00003372	0.0001911	mg/L	0.00003372	17.64%
Mo 202.031	-3.0	-0.0023289	mg/L	0.00004727	-0.0023289	mg/L	0.00004727	2.03%
Ni 231.604	10.3	0.0006031	mg/L	0.00007304	0.0006031	mg/L	0.00007304	12.11%
Se 196.026	0.9	-0.0038983	mg/L	0.00061716	-0.0038983	mg/L	0.00061716	15.83%
Ag 328.068	-12.7	-0.0001345	mg/L	0.00003738	-0.0001345	mg/L	0.00003738	27.80%
Na 330.237	61.5	1.00717	mg/L	0.080731	1.00717	mg/L	0.080731	8.02%
Tl 190.801	2.1	-0.0014886	mg/L	0.00146186	-0.0014886	mg/L	0.00146186	98.20%
Sn 189.927	1.5	-0.0025466	mg/L	0.00030940	-0.0025466	mg/L	0.00030940	12.15%
Ti 334.940	-17.0	-0.0000903	mg/L	0.00022178	-0.0000903	mg/L	0.00022178	245.68%
V 292.402	12.9	-0.0030046	mg/L	0.00002826	-0.0030046	mg/L	0.00002826	0.94%
Zn 206.200	-209.4	-0.0155163	mg/L	0.00048388	-0.0155163	mg/L	0.00048388	3.12%

Sequence No.: 12
Sample ID: LCSW
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 12/30/2010 2:54:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	39541.0	4.71030	mg/L	0.024720	4.71030	mg/L	0.024720	0.52%
Sb 206.836	665.4	0.490798	mg/L	0.0022424	0.490798	mg/L	0.0022424	0.46%
As 188.979	530.5	0.483066	mg/L	0.0009034	0.483066	mg/L	0.0009034	0.19%
Ba 233.527	15544.0	0.498197	mg/L	0.0064316	0.498197	mg/L	0.0064316	1.29%
Be 234.861	142716.0	0.477183	mg/L	0.0027240	0.477183	mg/L	0.0027240	0.57%
Cd 226.502	22380.6	0.496546	mg/L	0.0013808	0.496546	mg/L	0.0013808	0.28%
Ca 315.887	1254932.3	49.7174	mg/L	0.18419	49.7174	mg/L	0.18419	0.37%
Cr 206.158	5267.0	0.492487	mg/L	0.0000119	0.492487	mg/L	0.0000119	0.00%
Co 228.616	7646.9	0.491229	mg/L	0.0004632	0.491229	mg/L	0.0004632	0.09%
Cu 324.752	59369.5	0.502436	mg/L	0.0042136	0.502436	mg/L	0.0042136	0.84%
Fe 273.955	52957.3	4.87181	mg/L	0.031918	4.87181	mg/L	0.031918	0.66%
Pb 220.353	1839.9	0.490953	mg/L	0.0029811	0.490953	mg/L	0.0029811	0.61%
Mg 279.077	353156.7	48.6539	mg/L	0.01900	48.6539	mg/L	0.01900	0.04%
Mn 257.610	135595.9	0.486934	mg/L	0.0032421	0.486934	mg/L	0.0032421	0.67%
Mo 202.031	4962.2	0.485299	mg/L	0.0015150	0.485299	mg/L	0.0015150	0.31%
Ni 231.604	8497.9	0.498428	mg/L	0.0041138	0.498428	mg/L	0.0041138	0.83%
Se 196.026	758.1	0.487542	mg/L	0.0017685	0.487542	mg/L	0.0017685	0.36%
Ag 328.068	9114.5	0.0970578	mg/L	0.00017669	0.0970578	mg/L	0.00017669	0.18%
Na 330.237	19875.5	45.0775	mg/L	0.21184	45.0775	mg/L	0.21184	0.47%
Tl 190.801	561.6	0.521725	mg/L	0.0011205	0.521725	mg/L	0.0011205	0.21%
Sn 189.927	1588.5	0.517174	mg/L	0.0000185	0.517174	mg/L	0.0000185	0.00%
Ti 334.940	91230.0	0.485553	mg/L	0.0022439	0.485553	mg/L	0.0022439	0.46%
V 292.402	27122.9	0.486476	mg/L	0.0041964	0.486476	mg/L	0.0041964	0.86%
Zn 206.200	6527.0	0.476455	mg/L	0.0014109	0.476455	mg/L	0.0014109	0.30%

Sequence No.: 13
Sample ID: LCSW MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 12/30/2010 2:57:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	38976.0	4.64291	mg/L	0.127800	4.64291	mg/L	0.127800	2.75%
Sb 206.836	656.5	0.484254	mg/L	0.0027038	0.484254	mg/L	0.0027038	0.56%
As 188.979	523.9	0.477047	mg/L	0.0054717	0.477047	mg/L	0.0054717	1.15%
Ba 233.527	15406.6	0.493794	mg/L	0.0068847	0.493794	mg/L	0.0068847	1.39%
Be 234.861	141948.4	0.474612	mg/L	0.0075404	0.474612	mg/L	0.0075404	1.59%
Cd 226.502	22285.5	0.494440	mg/L	0.0052414	0.494440	mg/L	0.0052414	1.06%
Ca 315.887	1255494.4	49.7398	mg/L	0.00629	49.7398	mg/L	0.00629	0.01%
Cr 206.158	5242.0	0.490156	mg/L	0.0029461	0.490156	mg/L	0.0029461	0.60%
Co 228.616	7603.8	0.488450	mg/L	0.0013505	0.488450	mg/L	0.0013505	0.28%
Cu 324.752	58885.2	0.498324	mg/L	0.0188315	0.498324	mg/L	0.0188315	3.78%
Fe 273.955	52449.9	4.82478	mg/L	0.028650	4.82478	mg/L	0.028650	0.59%
Pb 220.353	1841.4	0.491322	mg/L	0.0005746	0.491322	mg/L	0.0005746	0.12%
Mg 279.077	354279.8	48.8086	mg/L	0.05620	48.8086	mg/L	0.05620	0.12%
Mn 257.610	134474.2	0.482895	mg/L	0.0047482	0.482895	mg/L	0.0047482	0.98%
Mo 202.031	4951.9	0.484281	mg/L	0.0007146	0.484281	mg/L	0.0007146	0.15%
Ni 231.604	8462.1	0.496330	mg/L	0.0099962	0.496330	mg/L	0.0099962	2.01%
Se 196.026	749.5	0.481887	mg/L	0.0027269	0.481887	mg/L	0.0027269	0.57%
Ag 328.068	8997.9	0.0958296	mg/L	0.00204525	0.0958296	mg/L	0.00204525	2.13%
Na 330.237	19585.0	44.4313	mg/L	1.51381	44.4313	mg/L	1.51381	3.41%
Tl 190.801	560.0	0.520229	mg/L	0.0006511	0.520229	mg/L	0.0006511	0.13%
Sn 189.927	1575.8	0.513048	mg/L	0.0041024	0.513048	mg/L	0.0041024	0.80%
Ti 334.940	90326.0	0.480742	mg/L	0.0144147	0.480742	mg/L	0.0144147	3.00%
V 292.402	26634.1	0.477370	mg/L	0.0090899	0.477370	mg/L	0.0090899	1.90%
Zn 206.200	6517.3	0.475744	mg/L	0.0017927	0.475744	mg/L	0.0017927	0.38%

Sequence No.: 14
Sample ID: 56495-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 12/30/2010 3:00:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-001

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	29130.2	3.47707	mg/L	0.062853	3.47707	mg/L	0.062853	1.81%
Sb 206.836	-2.0	-0.0014480	mg/L	0.00053185	-0.0014480	mg/L	0.00053185	36.73%
As 188.979	-0.1	0.0006346	mg/L	0.00123443	0.0006346	mg/L	0.00123443	194.51%
Ba 233.527	5516.1	0.176417	mg/L	0.0008501	0.176417	mg/L	0.0008501	0.48%
Be 234.861	-255.5	0.0003628	mg/L	0.00006538	0.0003628	mg/L	0.00006538	18.02%
Cd 226.502	16.2	-0.0001215	mg/L	0.00001871	-0.0001215	mg/L	0.00001871	15.40%
Ca 315.887	67716.9	2.39264	mg/L	0.030327	2.39264	mg/L	0.030327	1.27%
Cr 206.158	52.9	0.0035015	mg/L	0.00004961	0.0035015	mg/L	0.00004961	1.42%
Co 228.616	44.6	0.0002607	mg/L	0.00019612	0.0002607	mg/L	0.00019612	75.23%
Cu 324.752	2214.4	0.0185931	mg/L	0.00021443	0.0185931	mg/L	0.00021443	1.15%
Fe 273.955	55669.5	5.12320	mg/L	0.053953	5.12320	mg/L	0.053953	1.05%
Pb 220.353	41.2	0.0100506	mg/L	0.00204259	0.0100506	mg/L	0.00204259	20.32%
Mg 279.077	6362.9	0.876610	mg/L	0.0114510	0.876610	mg/L	0.0114510	1.31%
Mn 257.610	82992.3	0.298656	mg/L	0.0033798	0.298656	mg/L	0.0033798	1.13%
Mo 202.031	7.2	-0.0010367	mg/L	0.00002633	-0.0010367	mg/L	0.00002633	2.54%
Ni 231.604	80.0	0.0045281	mg/L	0.00004953	0.0045281	mg/L	0.00004953	1.09%
Se 196.026	5.1	-0.0018106	mg/L	0.00304980	-0.0018106	mg/L	0.00304980	168.45%
Ag 328.068	-111.1	-0.0009632	mg/L	0.00050445	-0.0009632	mg/L	0.00050445	52.37%
Na 330.237	4783.2	11.5092	mg/L	0.33541	11.5092	mg/L	0.33541	2.91%
Tl 190.801	-2.5	-0.0039206	mg/L	0.00211068	-0.0039206	mg/L	0.00211068	53.84%
Sn 189.927	11.8	0.0009138	mg/L	0.00012836	0.0009138	mg/L	0.00012836	14.05%
Ti 334.940	6018.5	0.0320322	mg/L	0.00120183	0.0320322	mg/L	0.00120183	3.75%
V 292.402	296.3	0.0020546	mg/L	0.00005854	0.0020546	mg/L	0.00005854	2.85%
Zn 206.200	560.1	0.0406967	mg/L	0.00021315	0.0406967	mg/L	0.00021315	0.52%

Sequence No.: 15
Sample ID: 56495-001 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 12/30/2010 3:03:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-001 MR

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	29155.6	3.48010	mg/L	0.033479	3.48010	mg/L	0.033479	0.96%
Sb 206.836	-0.6	-0.0004955	mg/L	0.00011909	-0.0004955	mg/L	0.00011909	24.03%
As 188.979	2.3	0.0027908	mg/L	0.00017591	0.0027908	mg/L	0.00017591	6.30%
Ba 233.527	5589.1	0.178752	mg/L	0.0003477	0.178752	mg/L	0.0003477	0.19%
Be 234.861	-262.6	0.0003514	mg/L	0.00010907	0.0003514	mg/L	0.00010907	31.04%
Cd 226.502	19.8	-0.0000455	mg/L	0.00005070	-0.0000455	mg/L	0.00005070	111.53%
Ca 315.887	65938.5	2.32174	mg/L	0.009485	2.32174	mg/L	0.009485	0.41%
Cr 206.158	56.6	0.0038154	mg/L	0.00031532	0.0038154	mg/L	0.00031532	8.26%
Co 228.616	41.1	0.0000407	mg/L	0.00001205	0.0000407	mg/L	0.00001205	29.61%
Cu 324.752	1903.8	0.0159577	mg/L	0.00076629	0.0159577	mg/L	0.00076629	4.80%
Fe 273.955	56230.6	5.17521	mg/L	0.041612	5.17521	mg/L	0.041612	0.80%
Pb 220.353	43.1	0.0105522	mg/L	0.00212873	0.0105522	mg/L	0.00212873	20.17%
Mg 279.077	6406.8	0.882661	mg/L	0.0010034	0.882661	mg/L	0.0010034	0.11%
Mn 257.610	84546.2	0.304246	mg/L	0.0027078	0.304246	mg/L	0.0027078	0.89%
Mo 202.031	7.9	-0.0009688	mg/L	0.00034051	-0.0009688	mg/L	0.00034051	35.15%
Ni 231.604	85.0	0.0048194	mg/L	0.00018753	0.0048194	mg/L	0.00018753	3.89%
Se 196.026	10.7	0.0018772	mg/L	0.00224082	0.0018772	mg/L	0.00224082	119.37%
Ag 328.068	-99.3	-0.0008387	mg/L	0.00014152	-0.0008387	mg/L	0.00014152	16.87%
Na 330.237	4729.3	11.3892	mg/L	0.14054	11.3892	mg/L	0.14054	1.23%
Tl 190.801	1.2	-0.0004824	mg/L	0.00283086	-0.0004824	mg/L	0.00283086	586.84%
Sn 189.927	7.5	-0.0004585	mg/L	0.00010892	-0.0004585	mg/L	0.00010892	23.75%
Ti 334.940	5725.2	0.0304713	mg/L	0.00038810	0.0304713	mg/L	0.00038810	1.27%
V 292.402	301.7	0.0021523	mg/L	0.00003586	0.0021523	mg/L	0.00003586	1.67%
Zn 206.200	507.0	0.0368137	mg/L	0.00002664	0.0368137	mg/L	0.00002664	0.07%

Sequence No.: 16
Sample ID: 56495-001 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 12/30/2010 3:06:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-001 SPLP SPK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	77268.5	9.21164	mg/L	0.236835	9.21164	mg/L	0.236835	2.57%
Sb 206.836	643.5	0.476342	mg/L	0.0015615	0.476342	mg/L	0.0015615	0.33%
As 188.979	529.6	0.482613	mg/L	0.0005455	0.482613	mg/L	0.0005455	0.11%
Ba 233.527	156284.2	5.00908	mg/L	0.062010	5.00908	mg/L	0.062010	1.24%
Be 234.861	140769.2	0.471844	mg/L	0.0063372	0.471844	mg/L	0.0063372	1.34%
Cd 226.502	22036.9	0.488457	mg/L	0.0035733	0.488457	mg/L	0.0035733	0.73%
Ca 315.887	1301773.2	51.5846	mg/L	0.32271	51.5846	mg/L	0.32271	0.63%
Cr 206.158	5208.3	0.487343	mg/L	0.0020372	0.487343	mg/L	0.0020372	0.42%
Co 228.616	7511.2	0.482416	mg/L	0.0019874	0.482416	mg/L	0.0019874	0.41%
Cu 324.752	58345.8	0.493712	mg/L	0.0134027	0.493712	mg/L	0.0134027	2.71%
Fe 273.955	105439.8	9.73646	mg/L	0.088483	9.73646	mg/L	0.088483	0.91%
Pb 220.353	18933.0	5.04321	mg/L	0.066926	5.04321	mg/L	0.066926	1.33%
Mg 279.077	357648.7	49.2728	mg/L	0.10875	49.2728	mg/L	0.10875	0.22%
Mn 257.610	211862.5	0.761398	mg/L	0.0058422	0.761398	mg/L	0.0058422	0.77%
Mo 202.031	4880.2	0.477562	mg/L	0.0040896	0.477562	mg/L	0.0040896	0.86%
Ni 231.604	8475.8	0.496972	mg/L	0.0045071	0.496972	mg/L	0.0045071	0.91%
Se 196.026	743.8	0.477475	mg/L	0.0025768	0.477475	mg/L	0.0025768	0.54%
Ag 328.068	8910.4	0.0950972	mg/L	0.00160629	0.0950972	mg/L	0.00160629	1.69%
Na 330.237	25421.9	57.4138	mg/L	1.39736	57.4138	mg/L	1.39736	2.43%
Tl 190.801	554.2	0.516565	mg/L	0.0058606	0.516565	mg/L	0.0058606	1.13%
Sn 189.927	1590.5	0.517901	mg/L	0.0049620	0.517901	mg/L	0.0049620	0.96%
Ti 334.940	94651.2	0.503762	mg/L	0.0077375	0.503762	mg/L	0.0077375	1.54%
V 292.402	27045.2	0.484773	mg/L	0.0080627	0.484773	mg/L	0.0080627	1.66%
Zn 206.200	7196.9	0.525392	mg/L	0.0031236	0.525392	mg/L	0.0031236	0.59%

Sequence No.: 17
Sample ID: 56495-001 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 12/30/2010 3:09:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-001 PS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	67671.6	8.06663	mg/L	0.124914	8.06663	mg/L	0.124914	1.55%
Sb 206.836	647.4	0.478892	mg/L	0.0057801	0.478892	mg/L	0.0057801	1.21%
As 188.979	523.9	0.477367	mg/L	0.0027757	0.477367	mg/L	0.0027757	0.58%
Ba 233.527	171255.2	5.48898	mg/L	0.026171	5.48898	mg/L	0.026171	0.48%
Be 234.861	139065.9	0.466090	mg/L	0.0057130	0.466090	mg/L	0.0057130	1.23%
Cd 226.502	21856.6	0.484482	mg/L	0.0065378	0.484482	mg/L	0.0065378	1.35%
Ca 315.887	1280691.3	50.7442	mg/L	0.09145	50.7442	mg/L	0.09145	0.18%
Cr 206.158	5179.2	0.484592	mg/L	0.0035595	0.484592	mg/L	0.0035595	0.73%
Co 228.616	7456.5	0.478888	mg/L	0.0022926	0.478888	mg/L	0.0022926	0.48%
Cu 324.752	57329.2	0.485101	mg/L	0.0126971	0.485101	mg/L	0.0126971	2.62%
Fe 273.955	102108.6	9.42768	mg/L	0.079018	9.42768	mg/L	0.079018	0.84%
Pb 220.353	19179.8	5.10878	mg/L	0.013894	5.10878	mg/L	0.013894	0.27%
Mg 279.077	350951.4	48.3501	mg/L	0.25491	48.3501	mg/L	0.25491	0.53%
Mn 257.610	208092.6	0.747843	mg/L	0.0099671	0.747843	mg/L	0.0099671	1.33%
Mo 202.031	4893.2	0.478789	mg/L	0.0010924	0.478789	mg/L	0.0010924	0.23%
Ni 231.604	8360.9	0.490248	mg/L	0.0003104	0.490248	mg/L	0.0003104	0.06%
Se 196.026	737.7	0.473648	mg/L	0.0079253	0.473648	mg/L	0.0079253	1.67%
Ag 328.068	8646.6	0.0922947	mg/L	0.00269035	0.0922947	mg/L	0.00269035	2.91%
Na 330.237	24864.2	56.1733	mg/L	1.63879	56.1733	mg/L	1.63879	2.92%
Tl 190.801	551.6	0.514059	mg/L	0.0011856	0.514059	mg/L	0.0011856	0.23%
Sn 189.927	1585.4	0.516219	mg/L	0.0034716	0.516219	mg/L	0.0034716	0.67%
Ti 334.940	93983.6	0.500209	mg/L	0.0033295	0.500209	mg/L	0.0033295	0.67%
V 292.402	26463.0	0.474311	mg/L	0.0038840	0.474311	mg/L	0.0038840	0.82%
Zn 206.200	7098.8	0.518225	mg/L	0.0000421	0.518225	mg/L	0.0000421	0.01%

Sequence No.: 18
Sample ID: CCV V-102763
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/30/2010 3:12:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-102763

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	39227.4	4.67288	mg/L	0.064378	4.67288	mg/L	0.064378	1.38%
QC value within limits for Al 308.215 Recovery = 93.46%								
Sb 206.836	663.8	0.489562	mg/L	0.0002967	0.489562	mg/L	0.0002967	0.06%
QC value within limits for Sb 206.836 Recovery = 97.91%								
As 188.979	528.1	0.480879	mg/L	0.0013226	0.480879	mg/L	0.0013226	0.28%
QC value within limits for As 188.979 Recovery = 96.18%								
Ba 233.527	15414.1	0.494037	mg/L	0.0034310	0.494037	mg/L	0.0034310	0.69%
QC value within limits for Ba 233.527 Recovery = 98.81%								
Be 234.861	141940.0	0.474584	mg/L	0.0053224	0.474584	mg/L	0.0053224	1.12%
QC value within limits for Be 234.861 Recovery = 94.92%								
Cd 226.502	22267.9	0.494048	mg/L	0.0057369	0.494048	mg/L	0.0057369	1.16%
QC value within limits for Cd 226.502 Recovery = 98.81%								
Ca 315.887	1249848.8	49.5148	mg/L	0.37531	49.5148	mg/L	0.37531	0.76%
QC value within limits for Ca 315.887 Recovery = 99.03%								
Cr 206.158	5242.2	0.490114	mg/L	0.0006419	0.490114	mg/L	0.0006419	0.13%
QC value within limits for Cr 206.158 Recovery = 98.02%								
Co 228.616	7656.1	0.491827	mg/L	0.0006314	0.491827	mg/L	0.0006314	0.13%
QC value within limits for Co 228.616 Recovery = 98.37%								
Cu 324.752	56606.7	0.478989	mg/L	0.0077421	0.478989	mg/L	0.0077421	1.62%
QC value within limits for Cu 324.752 Recovery = 95.80%								
Fe 273.955	52439.5	4.82381	mg/L	0.038608	4.82381	mg/L	0.038608	0.80%
QC value within limits for Fe 273.955 Recovery = 96.48%								
Pb 220.353	1840.0	0.490962	mg/L	0.0007873	0.490962	mg/L	0.0007873	0.16%
QC value within limits for Pb 220.353 Recovery = 98.19%								
Mg 279.077	354312.4	48.8131	mg/L	0.22087	48.8131	mg/L	0.22087	0.45%
QC value within limits for Mg 279.077 Recovery = 97.63%								
Mn 257.610	134652.7	0.483537	mg/L	0.0042533	0.483537	mg/L	0.0042533	0.88%
QC value within limits for Mn 257.610 Recovery = 96.71%								
Mo 202.031	4964.3	0.485501	mg/L	0.0025669	0.485501	mg/L	0.0025669	0.53%
QC value within limits for Mo 202.031 Recovery = 97.10%								
Ni 231.604	8631.0	0.506237	mg/L	0.0061533	0.506237	mg/L	0.0061533	1.22%
QC value within limits for Ni 231.604 Recovery = 101.25%								
Se 196.026	741.8	0.476795	mg/L	0.0023190	0.476795	mg/L	0.0023190	0.49%
QC value within limits for Se 196.026 Recovery = 95.36%								
Ag 328.068	8974.9	0.0955829	mg/L	0.00086145	0.0955829	mg/L	0.00086145	0.90%
QC value within limits for Ag 328.068 Recovery = 95.58%								
Na 330.237	19608.5	44.4837	mg/L	0.53199	44.4837	mg/L	0.53199	1.20%
QC value less than the lower limit for Na 330.237 Recovery = 88.97%								
Tl 190.801	564.9	0.524748	mg/L	0.0039308	0.524748	mg/L	0.0039308	0.75%
QC value within limits for Tl 190.801 Recovery = 104.95%								
Sn 189.927	1539.4	0.501174	mg/L	0.0012043	0.501174	mg/L	0.0012043	0.24%
QC value within limits for Sn 189.927 Recovery = 100.23%								
Ti 334.940	90624.3	0.482330	mg/L	0.0076110	0.482330	mg/L	0.0076110	1.58%
QC value within limits for Ti 334.940 Recovery = 96.47%								
V 292.402	26963.1	0.483467	mg/L	0.0047542	0.483467	mg/L	0.0047542	0.98%
QC value within limits for V 292.402 Recovery = 96.69%								
Zn 206.200	6422.8	0.468841	mg/L	0.0017061	0.468841	mg/L	0.0017061	0.36%
QC value within limits for Zn 206.200 Recovery = 93.77%								

QC Failed. Continue with analysis.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/30/2010 3:16:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	394.4	0.0486684	mg/L	0.00335116	0.0486684	mg/L	0.00335116	6.89%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	2.7	0.0005919	mg/L	0.00195594	0.0005919	mg/L	0.00195594	330.44%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-0.1	0.0001941	mg/L	0.00083057	0.0001941	mg/L	0.00083057	427.92%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	15.6	0.0005014	mg/L	0.00005213	0.0005014	mg/L	0.00005213	10.40%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	22.2	0.0000617	mg/L	0.00000944	0.0000617	mg/L	0.00000944	15.29%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	-7.7	-0.0001661	mg/L	0.00002183	-0.0001661	mg/L	0.00002183	13.14%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	-139.5	-0.312257	mg/L	0.0021060	-0.312257	mg/L	0.0021060	0.67%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	2.2	-0.0016538	mg/L	0.00000266	-0.0016538	mg/L	0.00000266	0.16%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	12.7	-0.0017407	mg/L	0.00003169	-0.0017407	mg/L	0.00003169	1.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	325.6	0.0026162	mg/L	0.00059841	0.0026162	mg/L	0.00059841	22.87%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	-157.2	-0.0514280	mg/L	0.00001235	-0.0514280	mg/L	0.00001235	0.02%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-3.5	-0.0020885	mg/L	0.00027353	-0.0020885	mg/L	0.00027353	13.10%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	-59.3	-0.0081677	mg/L	0.00305890	-0.0081677	mg/L	0.00305890	37.45%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	-11.6	-0.0000442	mg/L	0.00002416	-0.0000442	mg/L	0.00002416	54.67%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	3.5	-0.0016946	mg/L	0.00000341	-0.0016946	mg/L	0.00000341	0.20%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	14.6	0.0008557	mg/L	0.00024974	0.0008557	mg/L	0.00024974	29.19%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	-2.4	-0.0060126	mg/L	0.00622054	-0.0060126	mg/L	0.00622054	103.46%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-63.4	-0.0006751	mg/L	0.00000409	-0.0006751	mg/L	0.00000409	0.61%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-45.9	0.768268	mg/L	0.0432366	0.768268	mg/L	0.0432366	5.63%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	1.5	-0.0020384	mg/L	0.00116579	-0.0020384	mg/L	0.00116579	57.19%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	4.4	-0.0016212	mg/L	0.00069308	-0.0016212	mg/L	0.00069308	42.75%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-44.4	-0.0002361	mg/L	0.00003333	-0.0002361	mg/L	0.00003333	14.12%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	9.6	-0.0029627	mg/L	0.00010552	-0.0029627	mg/L	0.00010552	3.56%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-291.0	-0.0214739	mg/L	0.00023353	-0.0214739	mg/L	0.00023353	1.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: 56495-001 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 12/30/2010 3:19:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-001 SD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	5469.5	0.654171	mg/L	0.0065355	0.654171	mg/L	0.0065355	1.00%
Sb 206.836	-0.8	-0.0017401	mg/L	0.00052918	-0.0017401	mg/L	0.00052918	30.41%
As 188.979	-2.9	-0.0022608	mg/L	0.00054254	-0.0022608	mg/L	0.00054254	24.00%
Ba 233.527	1082.5	0.0346241	mg/L	0.00000755	0.0346241	mg/L	0.00000755	0.02%
Be 234.861	-34.3	0.0001150	mg/L	0.00009292	0.0001150	mg/L	0.00009292	80.78%
Cd 226.502	-3.7	-0.0001723	mg/L	0.00002859	-0.0001723	mg/L	0.00002859	16.59%
Ca 315.887	12765.6	0.202165	mg/L	0.0015590	0.202165	mg/L	0.0015590	0.77%
Cr 206.158	10.3	-0.0008223	mg/L	0.00014331	-0.0008223	mg/L	0.00014331	17.43%
Co 228.616	12.3	-0.0017758	mg/L	0.00049624	-0.0017758	mg/L	0.00049624	27.94%
Cu 324.752	448.1	0.0036453	mg/L	0.00021123	0.0036453	mg/L	0.00021123	5.79%
Fe 273.955	10838.2	0.967752	mg/L	0.0014377	0.967752	mg/L	0.0014377	0.15%
Pb 220.353	9.8	0.0014908	mg/L	0.00096259	0.0014908	mg/L	0.00096259	64.57%
Mg 279.077	1089.2	0.150052	mg/L	0.0026419	0.150052	mg/L	0.0026419	1.76%
Mn 257.610	16667.8	0.0599782	mg/L	0.00013111	0.0599782	mg/L	0.00013111	0.22%
Mo 202.031	3.2	-0.0016714	mg/L	0.00016644	-0.0016714	mg/L	0.00016644	9.96%
Ni 231.604	5.7	0.0003008	mg/L	0.00000950	0.0003008	mg/L	0.00000950	3.16%
Se 196.026	2.1	-0.0031830	mg/L	0.00052726	-0.0031830	mg/L	0.00052726	16.56%
Ag 328.068	-45.5	-0.0004449	mg/L	0.00027896	-0.0004449	mg/L	0.00027896	62.70%
Na 330.237	855.1	2.77231	mg/L	0.130384	2.77231	mg/L	0.130384	4.70%
Tl 190.801	-1.4	-0.0044079	mg/L	0.00093520	-0.0044079	mg/L	0.00093520	21.22%
Sn 189.927	4.8	-0.0014628	mg/L	0.00073654	-0.0014628	mg/L	0.00073654	50.35%
Ti 334.940	1059.1	0.0056368	mg/L	0.00015921	0.0056368	mg/L	0.00015921	2.82%
V 292.402	67.4	-0.0019465	mg/L	0.00001198	-0.0019465	mg/L	0.00001198	0.62%
Zn 206.200	-134.3	-0.0100254	mg/L	0.00007113	-0.0100254	mg/L	0.00007113	0.71%

Sequence No.: 21
Sample ID: 56495-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 12/30/2010 3:22:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56495-002

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	14987.0	1.78968	mg/L	0.032716	1.78968	mg/L	0.032716	1.83%
Sb 206.836	2.6	0.0011930	mg/L	0.00148036	0.0011930	mg/L	0.00148036	124.09%
As 188.979	-2.3	-0.0015746	mg/L	0.00068400	-0.0015746	mg/L	0.00068400	43.44%
Ba 233.527	4360.3	0.139573	mg/L	0.0015445	0.139573	mg/L	0.0015445	1.11%
Be 234.861	-122.7	0.0001757	mg/L	0.00006981	0.0001757	mg/L	0.00006981	39.73%
Cd 226.502	4.6	-0.0001306	mg/L	0.00009350	-0.0001306	mg/L	0.00009350	71.56%
Ca 315.887	48162.1	1.61314	mg/L	0.002388	1.61314	mg/L	0.002388	0.15%
Cr 206.158	30.5	0.0013028	mg/L	0.00050667	0.0013028	mg/L	0.00050667	38.89%
Co 228.616	19.0	-0.0013668	mg/L	0.00007318	-0.0013668	mg/L	0.00007318	5.35%
Cu 324.752	1644.3	0.0137686	mg/L	0.00037300	0.0137686	mg/L	0.00037300	2.71%
Fe 273.955	27008.0	2.46655	mg/L	0.016225	2.46655	mg/L	0.016225	0.66%
Pb 220.353	13.4	0.0025542	mg/L	0.00121524	0.0025542	mg/L	0.00121524	47.58%
Mg 279.077	3470.9	0.478186	mg/L	0.0022809	0.478186	mg/L	0.0022809	0.48%
Mn 257.610	50985.3	0.183444	mg/L	0.0017685	0.183444	mg/L	0.0017685	0.96%
Mo 202.031	4.3	-0.0014714	mg/L	0.00007815	-0.0014714	mg/L	0.00007815	5.31%
Ni 231.604	39.9	0.0022614	mg/L	0.00025864	0.0022614	mg/L	0.00025864	11.44%
Se 196.026	12.8	0.0035280	mg/L	0.00270581	0.0035280	mg/L	0.00270581	76.70%
Ag 328.068	-65.3	-0.0005794	mg/L	0.00000929	-0.0005794	mg/L	0.00000929	1.60%
Na 330.237	3875.4	9.49001	mg/L	0.065436	9.49001	mg/L	0.065436	0.69%
Tl 190.801	3.2	0.0005867	mg/L	0.00342805	0.0005867	mg/L	0.00342805	584.34%
Sn 189.927	3.8	-0.0017184	mg/L	0.00029639	-0.0017184	mg/L	0.00029639	17.25%
Ti 334.940	3699.9	0.0196919	mg/L	0.00027618	0.0196919	mg/L	0.00027618	1.40%
V 292.402	157.6	-0.0003832	mg/L	0.00010140	-0.0003832	mg/L	0.00010140	26.46%
Zn 206.200	316.2	0.0228766	mg/L	0.00010697	0.0228766	mg/L	0.00010697	0.47%

Sequence No.: 22
Sample ID: DI BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 12/30/2010 3:25:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: DI BLANK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	661.5	0.0805416	mg/L	0.00499324	0.0805416	mg/L	0.00499324	6.20%
Sb 206.836	2.0	0.0000816	mg/L	0.00219653	0.0000816	mg/L	0.00219653	>999.9%
As 188.979	-2.2	-0.0016829	mg/L	0.00125028	-0.0016829	mg/L	0.00125028	74.29%
Ba 233.527	1420.6	0.0455315	mg/L	0.00014737	0.0455315	mg/L	0.00014737	0.32%
Be 234.861	-13.9	-0.0000407	mg/L	0.00000495	-0.0000407	mg/L	0.00000495	12.16%
Cd 226.502	-9.3	-0.0002092	mg/L	0.00005677	-0.0002092	mg/L	0.00005677	27.13%
Ca 315.887	3913.3	-0.150704	mg/L	0.0030530	-0.150704	mg/L	0.0030530	2.03%
Cr 206.158	-0.4	-0.0016512	mg/L	0.00002844	-0.0016512	mg/L	0.00002844	1.72%
Co 228.616	6.0	-0.0021753	mg/L	0.00024085	-0.0021753	mg/L	0.00024085	11.07%
Cu 324.752	993.4	0.0082816	mg/L	0.00053008	0.0082816	mg/L	0.00053008	6.40%
Fe 273.955	659.1	0.0242378	mg/L	0.00043789	0.0242378	mg/L	0.00043789	1.81%
Pb 220.353	3.1	-0.0003219	mg/L	0.00191386	-0.0003219	mg/L	0.00191386	594.51%
Mg 279.077	-35.7	-0.0049124	mg/L	0.00678937	-0.0049124	mg/L	0.00678937	138.21%
Mn 257.610	389.5	0.0014019	mg/L	0.00003371	0.0014019	mg/L	0.00003371	2.40%
Mo 202.031	0.6	-0.0019786	mg/L	0.00020734	-0.0019786	mg/L	0.00020734	10.48%
Ni 231.604	-2.0	-0.0001197	mg/L	0.00029637	-0.0001197	mg/L	0.00029637	247.61%
Se 196.026	3.6	-0.0020939	mg/L	0.00325691	-0.0020939	mg/L	0.00325691	155.54%
Ag 328.068	-77.9	-0.0008228	mg/L	0.00000435	-0.0008228	mg/L	0.00000435	0.53%
Na 330.237	682.1	2.38756	mg/L	0.025194	2.38756	mg/L	0.025194	1.06%
Tl 190.801	-0.4	-0.0037950	mg/L	0.00056520	-0.0037950	mg/L	0.00056520	14.89%
Sn 189.927	1.8	-0.0024584	mg/L	0.00000727	-0.0024584	mg/L	0.00000727	0.30%
Ti 334.940	386.1	0.0020552	mg/L	0.00007527	0.0020552	mg/L	0.00007527	3.66%
V 292.402	11.9	-0.0029228	mg/L	0.00007945	-0.0029228	mg/L	0.00007945	2.72%
Zn 206.200	140.2	0.0100200	mg/L	0.00012875	0.0100200	mg/L	0.00012875	1.28%

Sequence No.: 23
Sample ID: ICSA V-102257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/30/2010 3:28:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-102257

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	3576568.5	426.715	mg/L	2.9387	426.715	mg/L	2.9387	0.69%
QC value within limits for Al 308.215 Recovery = 85.34%								
Sb 206.836	-168.2	0.0072013	mg/L	0.00735368	0.0072013	mg/L	0.00735368	102.12%
As 188.979	-13.4	0.0084755	mg/L	0.00391369	0.0084755	mg/L	0.00391369	46.18%
Ba 233.527	472.5	0.0025265	mg/L	0.00004866	0.0025265	mg/L	0.00004866	1.93%
Be 234.861	-11567.1	0.0003694	mg/L	0.00090656	0.0003694	mg/L	0.00090656	245.44%
Cd 226.502	865.8	0.0037998	mg/L	0.00027022	0.0037998	mg/L	0.00027022	7.11%
Ca 315.887	10743042.8	427.933	mg/L	1.0483	427.933	mg/L	1.0483	0.24%
QC value within limits for Ca 315.887 Recovery = 85.59%								
Cr 206.158	14.1	-0.0067241	mg/L	0.00018617	-0.0067241	mg/L	0.00018617	2.77%
Co 228.616	-43.0	-0.0054178	mg/L	0.00012433	-0.0054178	mg/L	0.00012433	2.29%
Cu 324.752	1183.7	-0.0005947	mg/L	0.00016577	-0.0005947	mg/L	0.00016577	27.87%
Fe 273.955	1772021.4	164.213	mg/L	0.5006	164.213	mg/L	0.5006	0.30%
QC value within limits for Fe 273.955 Recovery = 82.11%								
Pb 220.353	-169.7	0.0036549	mg/L	0.00198767	0.0036549	mg/L	0.00198767	54.38%
Mg 279.077	3239118.7	446.249	mg/L	1.3043	446.249	mg/L	1.3043	0.29%
QC value within limits for Mg 279.077 Recovery = 89.25%								
Mn 257.610	-2944.9	-0.0105908	mg/L	0.00012610	-0.0105908	mg/L	0.00012610	1.19%
Saturated outside survey window (code 6)								
Mo 202.031	-169.9	0.0009168	mg/L	0.00086724	0.0009168	mg/L	0.00086724	94.60%
Ni 231.604	142.7	0.0031567	mg/L	0.00036625	0.0031567	mg/L	0.00036625	11.60%
Se 196.026	153.5	0.0046438	mg/L	0.00656302	0.0046438	mg/L	0.00656302	141.33%
Ag 328.068	-1018.3	0.0025538	mg/L	0.00000737	0.0025538	mg/L	0.00000737	0.29%
Na 330.237	-10.7	0.846572	mg/L	0.0863187	0.846572	mg/L	0.0863187	10.20%
Tl 190.801	-29.8	-0.0087691	mg/L	0.00276158	-0.0087691	mg/L	0.00276158	31.49%
Sn 189.927	-42.1	0.0056536	mg/L	0.00308637	0.0056536	mg/L	0.00308637	54.59%
Ti 334.940	-407.1	-0.0021669	mg/L	0.00009599	-0.0021669	mg/L	0.00009599	4.43%
V 292.402	8826.9	0.0124274	mg/L	0.00094097	0.0124274	mg/L	0.00094097	7.57%
Zn 206.200	-321.4	-0.0246901	mg/L	0.00047047	-0.0246901	mg/L	0.00047047	1.91%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: ICSAB V-102798
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/30/2010 3:32:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-102798

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	3660642.3	436.746	mg/L	2.6465	436.746	mg/L	2.6465	0.61%
QC value within limits for Al 308.215 Recovery = 87.35%								
Sb 206.836	1130.7	0.955257	mg/L	0.0054305	0.955257	mg/L	0.0054305	0.57%
QC value within limits for Sb 206.836 Recovery = 95.53%								
As 188.979	1020.9	0.950090	mg/L	0.0018932	0.950090	mg/L	0.0018932	0.20%
QC value within limits for As 188.979 Recovery = 95.01%								
Ba 233.527	14538.9	0.453110	mg/L	0.0015969	0.453110	mg/L	0.0015969	0.35%
QC value within limits for Ba 233.527 Recovery = 90.62%								
Be 234.861	136234.0	0.494227	mg/L	0.0025398	0.494227	mg/L	0.0025398	0.51%
QC value within limits for Be 234.861 Recovery = 98.85%								
Cd 226.502	40436.3	0.882172	mg/L	0.0006770	0.882172	mg/L	0.0006770	0.08%
QC value within limits for Cd 226.502 Recovery = 88.22%								
Ca 315.887	11045355.4	439.983	mg/L	1.8393	439.983	mg/L	1.8393	0.42%
QC value within limits for Ca 315.887 Recovery = 88.00%								
Cr 206.158	4887.7	0.454016	mg/L	0.0012614	0.454016	mg/L	0.0012614	0.28%
QC value within limits for Cr 206.158 Recovery = 90.80%								
Co 228.616	6839.9	0.439638	mg/L	0.0004058	0.439638	mg/L	0.0004058	0.09%
QC value within limits for Co 228.616 Recovery = 87.93%								
Cu 324.752	61526.5	0.511316	mg/L	0.0132462	0.511316	mg/L	0.0132462	2.59%
QC value within limits for Cu 324.752 Recovery = 102.26%								
Fe 273.955	1814129.7	168.117	mg/L	0.1054	168.117	mg/L	0.1054	0.06%
QC value within limits for Fe 273.955 Recovery = 84.06%								
Pb 220.353	3124.2	0.882048	mg/L	0.0047054	0.882048	mg/L	0.0047054	0.53%
QC value within limits for Pb 220.353 Recovery = 88.20%								
Mg 279.077	3303936.3	455.179	mg/L	1.7092	455.179	mg/L	1.7092	0.38%
QC value within limits for Mg 279.077 Recovery = 91.04%								
Mn 257.610	123803.5	0.445204	mg/L	0.0005392	0.445204	mg/L	0.0005392	0.12%
QC value within limits for Mn 257.610 Recovery = 89.04%								
Mo 202.031	-176.6	0.0007246	mg/L	0.00011698	0.0007246	mg/L	0.00011698	16.14%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	14827.2	0.864199	mg/L	0.0042847	0.864199	mg/L	0.0042847	0.50%
QC value within limits for Ni 231.604 Recovery = 86.42%								
Se 196.026	1457.7	0.865646	mg/L	0.0014690	0.865646	mg/L	0.0014690	0.17%
QC value within limits for Se 196.026 Recovery = 86.56%								
Ag 328.068	95527.2	1.01940	mg/L	0.003058	1.01940	mg/L	0.003058	0.30%
QC value within limits for Ag 328.068 Recovery = 101.94%								
Na 330.237	-871.1	-1.06709	mg/L	0.008430	-1.06709	mg/L	0.008430	0.79%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	920.5	0.869985	mg/L	0.0000619	0.869985	mg/L	0.0000619	0.01%
QC value within limits for Tl 190.801 Recovery = 87.00%								
Sn 189.927	-52.0	0.0030067	mg/L	0.00183853	0.0030067	mg/L	0.00183853	61.15%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-433.6	-0.0023079	mg/L	0.00011908	-0.0023079	mg/L	0.00011908	5.16%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	32004.2	0.438539	mg/L	0.0094227	0.438539	mg/L	0.0094227	2.15%
QC value within limits for V 292.402 Recovery = 87.71%								
Zn 206.200	12160.2	0.887036	mg/L	0.0064042	0.887036	mg/L	0.0064042	0.72%
QC value within limits for Zn 206.200 Recovery = 88.70%								

QC Failed. Continue with analysis.

Sequence No.: 25
Sample ID: CCV V-102763
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/30/2010 3:36:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-102763

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	39750.8	4.73535	mg/L	0.057774	4.73535	mg/L	0.057774	1.22%
QC value within limits for Al 308.215 Recovery = 94.71%								
Sb 206.836	658.4	0.485641	mg/L	0.0035392	0.485641	mg/L	0.0035392	0.73%
QC value within limits for Sb 206.836 Recovery = 97.13%								
As 188.979	525.0	0.478056	mg/L	0.0052541	0.478056	mg/L	0.0052541	1.10%
QC value within limits for As 188.979 Recovery = 95.61%								
Ba 233.527	15439.9	0.494861	mg/L	0.0058459	0.494861	mg/L	0.0058459	1.18%
QC value within limits for Ba 233.527 Recovery = 98.97%								
Be 234.861	142640.3	0.476926	mg/L	0.0056778	0.476926	mg/L	0.0056778	1.19%
QC value within limits for Be 234.861 Recovery = 95.39%								
Cd 226.502	22335.4	0.495544	mg/L	0.0037575	0.495544	mg/L	0.0037575	0.76%
QC value within limits for Cd 226.502 Recovery = 99.11%								
Ca 315.887	1239615.6	49.1069	mg/L	0.10189	49.1069	mg/L	0.10189	0.21%
QC value within limits for Ca 315.887 Recovery = 98.21%								
Cr 206.158	5210.2	0.487125	mg/L	0.0025277	0.487125	mg/L	0.0025277	0.52%
QC value within limits for Cr 206.158 Recovery = 97.42%								
Co 228.616	7619.9	0.489487	mg/L	0.0024582	0.489487	mg/L	0.0024582	0.50%
QC value within limits for Co 228.616 Recovery = 97.90%								
Cu 324.752	57130.4	0.483445	mg/L	0.0096766	0.483445	mg/L	0.0096766	2.00%
QC value within limits for Cu 324.752 Recovery = 96.69%								
Fe 273.955	52730.5	4.85078	mg/L	0.040150	4.85078	mg/L	0.040150	0.83%
QC value within limits for Fe 273.955 Recovery = 97.02%								
Pb 220.353	1837.6	0.490312	mg/L	0.0005841	0.490312	mg/L	0.0005841	0.12%
QC value within limits for Pb 220.353 Recovery = 98.06%								
Mg 279.077	350858.9	48.3373	mg/L	0.02919	48.3373	mg/L	0.02919	0.06%
QC value within limits for Mg 279.077 Recovery = 96.67%								
Mn 257.610	134939.6	0.484578	mg/L	0.0049823	0.484578	mg/L	0.0049823	1.03%
QC value within limits for Mn 257.610 Recovery = 96.92%								
Mo 202.031	4948.6	0.483960	mg/L	0.0017837	0.483960	mg/L	0.0017837	0.37%
QC value within limits for Mo 202.031 Recovery = 96.79%								
Ni 231.604	8625.9	0.505937	mg/L	0.0045651	0.505937	mg/L	0.0045651	0.90%
QC value within limits for Ni 231.604 Recovery = 101.19%								
Se 196.026	747.7	0.480837	mg/L	0.0025014	0.480837	mg/L	0.0025014	0.52%
QC value within limits for Se 196.026 Recovery = 96.17%								
Ag 328.068	9032.7	0.0961846	mg/L	0.00158186	0.0961846	mg/L	0.00158186	1.64%
QC value within limits for Ag 328.068 Recovery = 96.18%								
Na 330.237	19729.4	44.7525	mg/L	0.66759	44.7525	mg/L	0.66759	1.49%
QC value less than the lower limit for Na 330.237 Recovery = 89.51%								
Tl 190.801	560.9	0.521044	mg/L	0.0002211	0.521044	mg/L	0.0002211	0.04%
QC value within limits for Tl 190.801 Recovery = 104.21%								
Sn 189.927	1514.3	0.492986	mg/L	0.0020207	0.492986	mg/L	0.0020207	0.41%
QC value within limits for Sn 189.927 Recovery = 98.60%								
Ti 334.940	90812.7	0.483332	mg/L	0.0076506	0.483332	mg/L	0.0076506	1.58%
QC value within limits for Ti 334.940 Recovery = 96.67%								
V 292.402	27136.3	0.486819	mg/L	0.0093284	0.486819	mg/L	0.0093284	1.92%
QC value within limits for V 292.402 Recovery = 97.36%								
Zn 206.200	6397.9	0.467022	mg/L	0.0000783	0.467022	mg/L	0.0000783	0.02%
QC value within limits for Zn 206.200 Recovery = 93.40%								

QC Failed. Continue with analysis.

Sequence No.: 26
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/30/2010 3:39:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	148.4	0.0193144	mg/L	0.00111095	0.0193144	mg/L	0.00111095	5.75%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	1.2	-0.0004872	mg/L	0.00272307	-0.0004872	mg/L	0.00272307	558.92%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-0.5	-0.0001066	mg/L	0.00184546	-0.0001066	mg/L	0.00184546	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	6.2	0.0002000	mg/L	0.00011595	0.0002000	mg/L	0.00011595	57.96%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	19.7	0.0000547	mg/L	0.00002232	0.0000547	mg/L	0.00002232	40.79%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	-4.2	-0.0000900	mg/L	0.00006402	-0.0000900	mg/L	0.00006402	71.10%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	451.8	-0.288686	mg/L	0.0035492	-0.288686	mg/L	0.0035492	1.23%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	3.8	-0.0015449	mg/L	0.00002346	-0.0015449	mg/L	0.00002346	1.52%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	11.0	-0.0018514	mg/L	0.00006406	-0.0018514	mg/L	0.00006406	3.46%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	108.1	0.0007692	mg/L	0.00019639	0.0007692	mg/L	0.00019639	25.53%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	-93.7	-0.0455398	mg/L	0.00008473	-0.0455398	mg/L	0.00008473	0.19%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-3.5	-0.0020853	mg/L	0.00032649	-0.0020853	mg/L	0.00032649	15.66%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	443.3	0.0610710	mg/L	0.00105041	0.0610710	mg/L	0.00105041	1.72%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	-35.1	-0.0001296	mg/L	0.00000949	-0.0001296	mg/L	0.00000949	7.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	3.5	-0.0016944	mg/L	0.00018726	-0.0016944	mg/L	0.00018726	11.05%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	10.5	0.0006180	mg/L	0.00005589	0.0006180	mg/L	0.00005589	9.04%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	0.5	-0.0041139	mg/L	0.00459689	-0.0041139	mg/L	0.00459689	111.74%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-91.8	-0.0009733	mg/L	0.00005643	-0.0009733	mg/L	0.00005643	5.80%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	34.7	0.947511	mg/L	0.1143018	0.947511	mg/L	0.1143018	12.06%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	1.2	-0.0023331	mg/L	0.00040205	-0.0023331	mg/L	0.00040205	17.23%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	1.3	-0.0026105	mg/L	0.00013063	-0.0026105	mg/L	0.00013063	5.00%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-26.7	-0.0001418	mg/L	0.00007118	-0.0001418	mg/L	0.00007118	50.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	16.8	-0.0028528	mg/L	0.00004772	-0.0028528	mg/L	0.00004772	1.67%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	-361.0	-0.0265850	mg/L	0.00032289	-0.0265850	mg/L	0.00032289	1.21%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Method: HGCV2 SPLP (7470A) Page 1 Date: 12/30/2010 9:33:35 AM

1st Blank 12/26/10 V-104927

Analysis Begun

Logged In Analyst: johns Technique: AA FIMS-MHS
Spectrometer Model: FIMS-100, S/N B050-9550 Autosampler Model: AS-90

12/30/10

Sample Information File: C:\data-AA\johns\Sample Information\H12191SP.sif
Batch ID: H12191SP
Results Data Set: H12191SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A) Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 12/30/2010 9:28:11 AM
Analyst: Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	-0.0000	-0.0013	-0.0000	09:29:06	Yes
2		[0.00]	0.0000	-0.0002	0.0000	09:29:39	Yes
Mean:		[0.00]	0.0000				
SD:		0.00	0.0000				
%RSD:		0.00	212.27				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: .2 PPB Date Collected: 12/30/2010 9:29:40 AM
Analyst: Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0010	0.0022	0.0010	09:30:35	Yes
2		[0.2]	0.0011	0.0037	0.0012	09:31:08	Yes
Mean:		[0.2]	0.0011				
SD:		0.0	0.0001				
%RSD:		0.0	9.57				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00536 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: .5 PPB Date Collected: 12/30/2010 9:31:09 AM
Analyst: Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0029	0.0094	0.0029	09:32:05	Yes
2		[0.5]	0.0029	0.0096	0.0029	09:32:37	Yes
Mean:		[0.5]	0.0029				
SD:		0.0	0.0000				
%RSD:		0.0	1.17				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999541 Slope: 0.00577 Intercept: -0.00003

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1 PPB Date Collected: 12/30/2010 9:32:38 AM
Analyst: Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0059	0.0203	0.0059	09:33:33	Yes
2	[1]	0.0058	0.0197	0.0058	09:34:06	Yes
Mean:	[1]	0.0058				
SD:	0	0.0000				
%RSD:	0	0.40				

Standard number 3 applied. [1]
Correlation Coef.: 0.999851 Slope: 0.00588 Intercept: -0.00005

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 12/30/2010 9:34:07 AM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0118	0.0402	0.0118	09:35:03	Yes
2		[2]	0.0117	0.0390	0.0117	09:35:35	Yes
Mean:		[2]	0.0117				
SD:		0	0.0001				
%RSD:		0	0.54				

Standard number 4 applied. [2]
Correlation Coef.: 0.999967 Slope: 0.00588 Intercept: -0.00005

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 12/30/2010 9:35:36 AM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0297	0.1008	0.0297	09:36:32	Yes
2		[5]	0.0297	0.1002	0.0297	09:37:04	Yes
Mean:		[5]	0.0297				
SD:		0	0.0000				
%RSD:		0	0.03				

Standard number 5 applied. [5]
Correlation Coef.: 0.999987 Slope: 0.00594 Intercept: -0.00009

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 12/30/2010 9:37:05 AM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0600	0.2044	0.0600	09:38:01	Yes
2		[10]	0.0595	0.2019	0.0595	09:38:33	Yes
Mean:		[10]	0.0597				
SD:		0	0.0004				
%RSD:		0	0.60				

Standard number 6 applied. [10]
Correlation Coef.: 0.999992 Slope: 0.00598 Intercept: -0.00013

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 12/30/2010 9:38:34 AM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1457	0.4983	0.1457	09:39:29	Yes
2		[25]	0.1447	0.4937	0.1447	09:40:02	Yes
Mean:		[25]	0.1452				
SD:		0	0.0007				
%RSD:		0	0.48				

Standard number 7 applied. [25]
Correlation Coef.: 0.999933 Slope: 0.00582 Intercept: 0.00021

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.036	0.00	212.3
.2 PPB	0.0011	0.2	0.149	0.00	9.6
.5 PPB	0.0029	0.5	0.458	0.00	1.2
1 PPB	0.0058	1.0	0.968	0.00	0.4
2 PPB	0.0117	2.0	1.977	0.00	0.5
5 PPB	0.0297	5.0	5.058	0.00	0.0
10 PPB	0.0597	10.0	10.223	0.00	0.6
25 PPB	0.1452	25.0	24.904	0.00	0.5

Correlation Coef.: 0.999933 Slope: 0.00582 Intercept: 0.00021

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 12/30/2010 9:40:03 AM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	18.17	18.17	0.1060	0.3587	0.1060	09:41:02	Yes
2	18.21	18.21	0.1062	0.3623	0.1062	09:41:34	Yes
Mean:	18.19	18.19	0.1061				
SD:	0.027	0.027	0.0002				
%RSD:	0.149	0.149	0.15				

QC value within limits for Hg 253.7 Recovery = 90.95%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 12/30/2010 9:41:35 AM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.016	-0.016	0.0001	0.0007	0.0001	09:42:31	Yes
2	-0.039	-0.039	-0.0000	-0.0015	-0.0000	09:43:03	Yes
Mean:	-0.027	-0.027	0.0000				
SD:	0.016	0.016	0.0001				
%RSD:	57.41	57.41	191.46				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3193 (1) Date Collected: 12/30/2010 9:43:05 AM
Analyst: Data Type: Original

Replicate Data: MB 3193 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.038	-0.038	-0.0000	-0.0009	-0.0000	09:44:01	Yes
2	-0.037	-0.037	-0.0000	-0.0007	0.0000	09:44:33	Yes
Mean:	-0.037	-0.037	-0.0000				
SD:	0.001	0.001	0.0000				
%RSD:	2.592	2.592	62.92				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW Date Collected: 12/30/2010 9:44:34 AM
Analyst: Data Type: Original

Replicate Data: LCSW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.069	9.069	0.0530	0.1781	0.0530	09:45:30	Yes
2	9.128	9.128	0.0534	0.1771	0.0534	09:46:02	Yes
Mean:	9.099	9.099	0.0532				

SD:	0.042	0.042	0.0002
%RSD:	0.466	0.466	0.46

Sequence No.: 13
Sample ID: LCSW MR
Analyst:
Autosampler Location: 13
Date Collected: 12/30/2010 9:46:03 AM
Data Type: Original

Replicate Data: LCSW MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.123	9.123	0.0533	0.1789	0.0533	09:46:59	Yes
2	9.058	9.058	0.0530	0.1758	0.0530	09:47:32	Yes
Mean:	9.091	9.091	0.0531				
SD:	0.046	0.046	0.0003				
%RSD:	0.502	0.502	0.50				

Sequence No.: 14
Sample ID: 56495-001
Analyst:
Autosampler Location: 14
Date Collected: 12/30/2010 9:47:33 AM
Data Type: Original

Replicate Data: 56495-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.043	-0.043	-0.0000	-0.0020	-0.0000	09:48:29	Yes
2	-0.037	-0.037	-0.0000	-0.0006	0.0000	09:49:01	Yes
Mean:	-0.040	-0.040	-0.0000				
SD:	0.004	0.004	0.0000				
%RSD:	10.08	10.08	88.95				

Sequence No.: 15
Sample ID: 56495-001 MR
Analyst:
Autosampler Location: 15
Date Collected: 12/30/2010 9:49:02 AM
Data Type: Original

Replicate Data: 56495-001 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.031	-0.031	0.0000	0.0001	0.0000	09:49:57	Yes
2	-0.038	-0.038	-0.0000	-0.0019	-0.0000	09:50:30	Yes
Mean:	-0.035	-0.035	0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	14.49	14.49	426.97				

Sequence No.: 16
Sample ID: 56495-001 SPLP SPK
Analyst:
Autosampler Location: 16
Date Collected: 12/30/2010 9:50:31 AM
Data Type: Original

Replicate Data: 56495-001 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.268	9.268	0.0542	0.1819	0.0542	09:51:26	Yes
2	9.239	9.239	0.0540	0.1785	0.0540	09:51:59	Yes
Mean:	9.253	9.253	0.0541				
SD:	0.021	0.021	0.0001				
%RSD:	0.228	0.228	0.23				

Sequence No.: 17
Sample ID: 56495-002
Analyst:
Autosampler Location: 17
Date Collected: 12/30/2010 9:52:00 AM
Data Type: Original

Replicate Data: 56495-002

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	-0.0000	-0.0015	-0.0000	09:52:56	Yes
2	-0.037	-0.037	-0.0000	-0.0012	0.0000	09:53:28	Yes
Mean:	-0.040	-0.040	-0.0000				
SD:	0.005	0.005	0.0000				

%RSD: 12.39 12.39 109.67

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK **Date Collected: 12/30/2010 9:53:29 AM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.027	-0.027	0.0001	0.0002	0.0001	09:54:25	Yes
2	-0.037	-0.037	-0.0000	-0.0009	0.0000	09:54:57	Yes
Mean:	-0.032	-0.032	0.0000				
SD:	0.007	0.007	0.0000				
%RSD:	22.33	22.33	177.66				

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 12/30/2010 9:54:58 AM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.310	9.310	0.0544	0.1798	0.0544	09:55:57	Yes
2	9.330	9.330	0.0545	0.1790	0.0545	09:56:30	Yes
Mean:	9.320	9.320	0.0545				
SD:	0.014	0.014	0.0001				
%RSD:	0.152	0.152	0.15				

QC value within limits for Hg 253.7 Recovery = 93.20%
All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/30/2010 9:56:31 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.030	-0.030	0.0000	-0.0010	0.0000	09:57:27	Yes
2	-0.041	-0.041	-0.0000	-0.0036	-0.0000	09:57:59	Yes
Mean:	-0.035	-0.035	0.0000				
SD:	0.008	0.008	0.0000				
%RSD:	21.17	21.17	>999.9%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

SPLP
Metal Data
Digestion Logbook Data

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 **OTHER**_____

Batch No.: 12191 Analyst: OA

QC Number: 3193 Prep Date: 12/23/2010

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml	10ml	25ml		--	
LCS						--	
LCSD						--	
1. 56495-001			10ml	25ml	DI-BLANK 56495-001		
MR 56495-001							
MS 56495-001							
MSD							
2. 56495-002	50ml	50ml	10ml	25ml	DI-BLANK 56495-001		
3. V-DT-BLANK							
4. LCSW-LL							
5. LCSWD-LL							
6. 5649S-001 spike-LL					DI-BLANK 56495-001		
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 90.3°C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5ml	V- 5401, 5402
LLLCS, LLLCSD	0.35ml	V- 5192
(MS) MSD	0.5, 0.225	V- 5401, 5402, 4838, 4835
(LLMS) LLMSD	0.35ml	V- 5192

Acid	Vol mL	Lot#
HNO_3	3.0ml	V- 5482
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3		V-
1:1 HCl	5.0ml	V- 103147

Relinquished By OA Date 12/23/2010

Received By [signature] Date 12/27/10

HG SAMPLE PREPARATION LOG

Hampton-Clarke/Veritech

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12191 Analyst: OA

QC Number: 3193 Prep Date: 12/23/2010

Matrix: SPLP Review By: [signature]

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25ml	25ml	
LCS			
LCSD			
1 56495-001			
MR 56495-001			
MS 56495-001			
MSD			
2 56495-002	25ml	25ml	
3 DI-BLANK	1	1	
4 LesH-LV	OA		
5 LesH-D-	12/23/2010		
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KMnO_4$: V- 102819	HNO_3	0.625ml	V- 5482
$K_2S_2O_8$: V- 101034	HCl		V-
NaOH: V- 101766	H_2SO_4	1.25ml	V- 5359
	Aqua Regia		V-

**Block Temp. : 93.1 C

Time In Block: 21:25

Time Out of Block: 23:25

** Required range = 90-95° C

Volume & Lot #

HCl V- 104648 0.15g / 0.25 ml

H_2SO_4 V- 104648 0.250 ml

Standards/Control Batch B- 9373

Relinquished By: OA

Aliquots of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

BGS 12/23/10

Start Date: 12/22/10

Finish Date: 12/23/10

SPLP: 4.16 4.96

**TCLP Ext. Fluid #1 pH: 4.96 (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
56492-001	8.17	1.78	7.22	EF-1 104503	100g/2L	17:40	1000	BGS	T	Rotumble
56464-001	5.50	1.82	4.98	↓	150g/3L	↓	↓	↓	↓	
56464-002	6.31	1.83	4.91		↓					
56464-003	6.43	1.80	5.06							
56462-001	7.18	1.80	4.91	↓	100g/2L					
56475-001	—	—	11.25	SPLP 103949	150g/3L				P	
56475-002	—	—	10.02	↓	↓				↓	
56475-003	—	—	11.26							
56475-004	—	—	9.05							
56475-005	—	—	9.89							
56475-006	—	—	9.86							
56475-007	—	—	11.39							
56475-008	—	—	10.20							
56475-009	—	—	9.73		↓					
56398-001	—	—	7.01	↓	100g/2L	↓	↓	↓	P	Organ Only
56495-001	—	—	7.53	DI Water	100g/2L	14:09	14:09	BGS	P	No tumbling, sample + DI as per client is request)
56495-002	—	—	7.56	↓	↓	↓	↓	↓	↓	prep and left to sit for 24hrs.
DI H2O	7.05	—	7.69	↓	2L	↓	↓	↓	P	
EF-1-104503	4.96	—	4.90	EF-1-104503	3L	17:40	1000	BGS	T	
SPLP-103949	4.16	—	7.01	SPLP 103949	↓	↓	↓	↓	P	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: Port Jervis

Client PO: B0043021.0001.00

Report To: ARCADIS
4915 Prospectus Drive
Suite F
Durham, NC 27713

Attn: D.Liles

Received Date: 2/9/2011

Report Date: 4/5/2011

Deliverables: NYDOH-CatB

Lab ID: AC57097

Lab Project No: 1020303

This report is a true report of results obtained from our tests of this material. All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Jeri Rossi

Jeri Rossi - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

TABLE OF CONTENTS

HC·V LABORATORY RESULTS	PAGE NOS.
SDG Narrative	1-2
Reporting Limit Definitions	3-4
Data Package Summary Forms	5-15
Chain of Custody Forms	16-21
SPLP GC/MS Volatiles Data	22-398

SDG Narrative

HCV Case Narrative/Conformance Summary

Client: Arcadis
Project: Port Jervis

HCV Project: 1020303

Hampton-Clarke/Veritech (HC·V) received the following samples on February 09, 2011:

Client ID	HCV Sample ID	Matrix	Analysis
ISSS3 small monolith (1st)	AC57097-001	Monolith	SPLP VOA (8230B)
ISSS3 small monolith (2nd)	AC57097-002	Monolith	SPLP extract & hold
ISSS3 small monolith (3rd)	AC57097-003	Monolith	SPLP extract & hold
ISSS3 small monolith (4th)	AC57097-004	Monolith	SPLP extract & hold
ISSS3 small monolith (5th)	AC57097-005	Monolith	SPLP VOA (8230B)
ISSS3 small monolith (6th)	AC57097-006	Monolith	SPLP extract & hold
ISSS3 small monolith (7th)	AC57097-007	Monolith	SPLP extract & hold
ISSS3 small monolith (8th)	AC57097-008	Monolith	SPLP extract & hold
ISSS3 small monolith (9th)	AC57097-009	Monolith	SPLP extract & hold
ISSS3 small monolith (10th)	AC57097-010	Monolith	SPLP VOA (8230B)
ISSS3 small monolith (11th)	AC57097-011	Monolith	SPLP extract & hold
ISSS3 small monolith (12th)	AC57097-012	Monolith	SPLP extract & hold
ISSS3 small monolith (13th)	AC57097-016	Monolith	SPLP extract & hold
ISSS3 small monolith (14th)	AC57097-014	Monolith	SPLP extract & hold
ISSS3 small monolith (15th)	AC57097-015	Monolith	SPLP VOA (8230B)
ISSS3 small monolith (13th)	AC57097-016	Monolith	SPLP extract & hold
ISSS3 small monolith (17th)	AC57097-017	Monolith	SPLP extract & hold
ISSS3 small monolith (18th)	AC57097-018	Monolith	SPLP extract & hold
ISSS3 small monolith (19th)	AC57097-019	Monolith	SPLP extract & hold
ISSS3 small monolith (20th)	AC57097-020	Monolith	SPLP VOA (8230B)

Samples AC57097-001 through -020 were prepped for SPLP analysis according to Arcadis Standard Operating Procedure "Monolith Leaching Method".

SPLP Volatile Organic Analysis:

Methylene chloride was recovered in Extraction Fluid Blanks EF-3-1014 and EF-3-V-1014 and in samples AC57097-001, 005, 010, 015, and 020 suggesting laboratory contamination.

Samples AC57097-015 and 020 was activated and tumbled outside holding time.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

J M Rossi — Jeri Rossi, Quality Assurance Director

Or

Stanley Gilewicz, Laboratory Director

4/6/11 — Date

Reporting Limit Definitions

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL = Reporting Limit *

RT = Retention Time

NA = Not Applicable

ND = Not Detected

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the concentration is below the Reporting Limit (RL) but above the MDL (Method Detection Limit). The concentration reported is an estimate.

*For Clean Water Act and SW846 Organic Methods and Metals Methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

*For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

HCV Report Of Analysis

Client: ARCADIS
Project: Port Jervis

HCV Project #: 1020303

Sample ID: ISSS3 small monolith (1st)
Lab#: AC57097-001
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**5.3**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**0.58**	1.0	**1.4**
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	1	ug/l	4.0	5.0	ND
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	**1**	**ug/l**	**0.37**	0.50	**1.3**
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	**1**	**ug/l**	**0.30**	1.0	**2.5**
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**5.8**
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**7.3**
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**7.8**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**4.3**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	1.0	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**1.5**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**11.6**

Sample ID: ISSS3 small monolith (5th)
Lab#: AC57097-005
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**2.0**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**0.58**	1.0	**0.65J**
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	1	ug/l	4.0	5.0	ND
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	**1**	**ug/l**	**0.37**	0.50	**0.65**
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	**1**	**ug/l**	**0.30**	1.0	**1.9**
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**2.6**
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**2.9**
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**16**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**1.6**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	1.0	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**0.69J**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**4.5**

Sample ID: ISSS3 small monolith (10th)
Lab#: AC57097-010
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**1.5**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**0.58**	1.0	**0.63J**
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	**1**	**ug/l**	**4.0**	5.0	**17**
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	**1**	**ug/l**	**0.37**	0.50	**0.41J**
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	**1**	**ug/l**	**0.30**	1.0	**0.38J**
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**1.9**
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**2.0**
Methylene chloride	1	ug/l	0.77	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**1.3**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	0.50	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**0.46J**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**3.3**

Sample ID: ISSS3 small monolith (15th)
Lab#: AC57097-015
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**1.3**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	0.58	1.0	ND
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	**1**	**ug/l**	**4.0**	5.0	**14**
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	1	ug/l	0.37	0.50	ND
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	1	ug/l	0.30	1.0	ND
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**1.3**
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**1.5**
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**10**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**0.73J**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	**1**	**ug/l**	**0.33**	1.0	**1.2**
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	0.50	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**0.64J**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	**1**	**ug/l**	**0.45**	1.0	**0.55J**
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**2.23**

Sample ID: ISSS3 small monolith (20th) **Collection Date:** 2/8/2011
Lab#: AC57097-020 **Receipt Date:** 2/9/2011
Matrix: Monolith

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**2.3**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**0.58**	1.0	**0.79J**
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	**1**	**ug/l**	**4.0**	5.0	**22**
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	1	ug/l	0.37	0.50	ND
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	1	ug/l	0.30	1.0	ND
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	**1**	**ug/l**	**0.36**	1.0	**0.90J**
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**2.2**
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**2.4**
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**17**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	**1**	**ug/l**	**0.34**	1.0	**0.34J**
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**1.0**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	**1**	**ug/l**	**0.33**	1.0	**0.60J**
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	1.0	ND
Toluene	1	ug/l	0.40	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**3.4**

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-001(T)
Client Id: ISSS3 small monolith (1st)
Data File: 6M65446.D
Analysis Date: 02/11/11 18:27
Date Rec/Extracted: 02/03/11-02/11/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**5.3**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**5.8**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**1.4**	**136777612**	**m&p-Xylenes**	**0.75**	**7.3**
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**7.8**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	**95-47-6**	**o-Xylene**	**0.54**	**4.3**
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	**108-88-3**	**Toluene**	**0.40**	**1.5**
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	**Benzene**	**0.37**	**1.3**	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**2.5**	**1330-20-7**	**Xylenes (Total)**	**0.54**	**11.6**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-005(T)
Client Id: ISSS3 small monolith (5th)
Data File: 6M65546.D
Analysis Date: 02/15/11 20:29
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**2.0**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**2.6**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**0.65 J**	**136777612**	**m&p-Xylenes**	**0.75**	**2.9**
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**16**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	**95-47-6**	**o-Xylene**	**0.54**	**1.6**
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	**108-88-3**	**Toluene**	**0.40**	**0.69 J**
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	**Benzene**	**0.37**	**0.65**	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**1.9**	**1330-20-7**	**Xylenes (Total)**	**0.54**	**4.5**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-010(T)
Client Id: ISSS3 small monolith (10th)
Data File: 3M88077.D
Analysis Date: 02/22/11 13:07
Date Rec/Extracted: 02/03/11-02/22/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.5**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.9**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**0.63 J**	**136777612**	**m&p-Xylenes**	**0.75**	**2.0**
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	**95-47-6**	**o-Xylene**	**0.54**	**1.3**
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	**Acetone**	**4.0**	**17**	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	**108-88-3**	**Toluene**	**0.40**	**0.46 J**
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	**Benzene**	**0.37**	**0.41 J**	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**0.38 J**	**1330-20-7**	**Xylenes (Total)**	**0.54**	**3.3**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-015(T)
Client Id: ISSS3 small monolith (15th)
Data File: 3M88320.D
Analysis Date: 02/25/11 17:06
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.0**	**1.3**	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.0**	**1.3**
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**1.5**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**10**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	**95-47-6**	**o-Xylene**	**0.54**	**1.0**	**0.73 J**
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	**100-42-5**	**Styrene**	**0.33**	**1.0**	**1.2**
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**14**	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	**108-88-3**	**Toluene**	**0.40**	**1.0**	**0.64 J**
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	**79-01-6**	**Trichloroethene**	**0.45**	**1.0**	**0.55 J**
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**2.23**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-020(T)
Client Id: ISSS3 small monolith (20th)
Data File: 2M63709.D
Analysis Date: 03/03/11 15:31
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	**67-66-3**	**Chloroform**	**0.36**	**1.0**	**0.90J**
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.0**	**2.3**	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.0**	**2.2**
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**1.0**	**0.79J**	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**2.4**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**17**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	**103-65-1**	**n-Propylbenzene**	**0.34**	**1.0**	**0.34J**
78-93-3	2-Butanone	0.90	1.0	U	**95-47-6**	**o-Xylene**	**0.54**	**1.0**	**1.0**
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	**100-42-5**	**Styrene**	**0.33**	**1.0**	**0.60J**
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**22**	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**3.4**

Worksheet #: 183431

Total Target Concentration 50

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Chain of Custody Forms

0017

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name Pt Jervis

Project Location Durham, NC

Laboratory HCV

Project Manager DAVE LILES

Sampler(s)/Affiliation _____

1020303

AC57097-001 through -020

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Monolith leaching SOP + method 8260	Monolith leaching SOP + methods 8270&6010	pH	hardness (200.7)	total dissolved solids	Remarks	Total
ISSS3 small monolith	S	2/1/11		✓						1
~~ISSS3 large monolith~~	↓	2/1/11			✓					1
~~ISSS6 small monolith~~	↓	2/1/11		✓						1
~~ISSS6 large monolith~~	↓	2/2/11			✓					1
PW — pH 2/4/11	L	2/2/11				✓	✓	✓		1
									3.4°C	

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 5

						Seal Intact?
Relinquished by: David L. Liles	Organization: ARCADIS	Date 2/2/11	Time 16:00			
Received by: _____	Organization: _____	Date / /	Time _____			Yes No N/A
Relinquished by: FEDEX	Organization: _____	Date 2/3/11	Time 10:10			Seal Intact?
Received by: [signature]	Organization: HCV	Date 2/3/11	Time 10:10			Yes No N/A

Special Instructions/Remarks:

Results to david.liles@arcadis-us.com
questions (919) 328-5574

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

AG 05-12/01

0018

ARCADIS
Infrastructure, environment, buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

1020303

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: Dave Liles, ARCADIS
Telephone: 919 544 4555
Address:
Fax:
City State Zip
E-mail Address:

Project Name/Location (City, State): Port Jervis
Project #:
Sampler's Printed Name: Stephanie Branch
Sampler's Signature: Stephanie Branch

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	PARAMETER ANALYSIS & METHOD: Hg Monolith Leaching SOP & Method 8260	REMARKS
1555 3 Small monolith	2/8/11	16:00		↓	SO			1		X	AC57097-001 through -020
~~1555 6~~ Re 2/9/11	↓	↓		↓	↓					X	

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
SE - Sediment
NL - NAPL/Oil
W - Water
SL - Sludge
SW - Sample Wipe
T - Tissue
A - Air
Other: _____

Special Instructions/Comments:

☐ **Special QA/QC Instructions(✓):**

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name:	Cooler Custody Seal (✓)	Printed Name: Stephanie Branch	Printed Name: FED EX	Printed Name: ~~FED EX~~	Printed Name: Ricardo Sluce
☐ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: Stephanie Branch	Signature:	Signature:	Signature:
Specify Turnaround Requirements:	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm: HCV
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 2/8/11 16:00	Date/Time:	Date/Time:	Date/Time: 2/9/11 10:30

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

PROJECT NOTES

Client: ARCADIS-NC **HCV Project #:** 1020303

Project: Port Jervis

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ben192.168.1.28
2/10/2011 8:56:00 AM

Special Arcadis Monolith Leaching Procedure.

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ben192.168.1.28
2/10/2011 9:10:18 AM

Monoliths collected on 2/1, received on 2/3/11 were either received broken or were broken when being extruded from the plastic tube. A replacement monolith was collected on 2/8/11, received 2/9/11 at 1030 by Ricardo S. and will use the same project/sample numbers as the original monolith. Collection date/time revised, original received date remains the same, due dates revised. Original and replacement COCs included. BR 2/10/11.

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ben192.168.1.103
4/4/2011 12:49:31 PM

Revised receive date due to error when generating final report. BR 4/4/11.

CONDITION UPON RECEIPT

Batch Number AC57097 Entered By: Frantz
Date Entered 2/3/2011 11:47:00 AM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.9, RT
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NO	Are samples preserved correctly? Samples were received in Zip-lock Bags.
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified? Replacement monolith received 2/9 in FedEx box only with bubble wrap.
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC57097-001	02/03/11 10:10	RICAR	0	M	Received
AC57097-001	02/03/11 10:56	RICAR	0	M	Login
AC57097-001	02/11/11 13:38	R22	4	A	NONE
AC57097-001	02/11/11 16:32	WP	4	A	VOA
AC57097-001	02/11/11 13:38	R22	5	A	NONE
AC57097-001	02/09/11 12:33	R12	6	A	NONE
AC57097-001	02/10/11 05:58	SW	6	A	zhe
AC57097-002	02/03/11 10:10	RICAR	0	M	Received
AC57097-002	02/03/11 10:56	RICAR	0	M	Login
AC57097-002	02/14/11 08:06	R22	2	A	NONE
AC57097-002	02/14/11 12:09	WP	2	A	VOA
AC57097-002	02/15/11 09:40	SG	2	A	VOA
AC57097-002	02/14/11 08:06	R22	3	A	NONE
AC57097-003	02/03/11 10:10	RICAR	0	M	Received
AC57097-003	02/03/11 10:56	RICAR	0	M	Login
AC57097-003	02/14/11 08:06	R22	2	A	NONE
AC57097-003	02/14/11 12:09	WP	2	A	VOA
AC57097-003	02/15/11 09:40	SG	2	A	VOA
AC57097-003	02/14/11 08:06	R22	3	A	NONE
AC57097-004	02/03/11 10:10	RICAR	0	M	Received
AC57097-004	02/03/11 10:56	RICAR	0	M	Login
AC57097-004	02/15/11 11:33	R22	2	A	NONE
AC57097-004	02/15/11 15:07	SG	2	A	VOA
AC57097-005	02/03/11 10:10	RICAR	0	M	Received
AC57097-005	02/03/11 10:56	RICAR	0	M	Login
AC57097-005	02/15/11 11:33	R22	2	A	NONE
AC57097-005	02/15/11 15:07	SG	2	A	VOA
AC57097-005	02/15/11 11:33	R22	3	A	NONE
AC57097-006	02/03/11 10:10	RICAR	0	M	Received
AC57097-006	02/04/11 13:21	RICAR	0	M	Login
AC57097-006	02/17/11 08:07	R22	1	A	NONE
AC57097-006	02/17/11 08:07	R22	2	A	NONE
AC57097-007	02/03/11 10:10	RICAR	0	M	Received
AC57097-007	02/04/11 13:21	RICAR	0	M	Login
AC57097-007	02/18/11 04:38	R22	1	A	NONE
AC57097-007	02/18/11 04:38	R22	2	A	NONE
AC57097-008	02/03/11 10:10	RICAR	0	M	Received
AC57097-008	02/04/11 13:21	RICAR	0	M	Login
AC57097-008	02/18/11 12:09	R22	1	A	NONE
AC57097-008	02/18/11 18:08	WP	1	A	voa
AC57097-008	02/18/11 12:09	R22	2	A	NONE
AC57097-009	02/03/11 10:10	RICAR	0	M	Received
AC57097-009	02/04/11 13:21	RICAR	0	M	Login
AC57097-009	02/22/11 10:02	R22	1	M	NONE
AC57097-009	02/22/11 11:50	SG	1	A	VOA
AC57097-009	02/22/11 10:02	R22	2	M	NONE
AC57097-010	02/03/11 10:10	RICAR	0	M	Received
AC57097-010	02/04/11 13:21	RICAR	0	M	Login
AC57097-010	02/22/11 10:02	R22	1	M	NONE
AC57097-010	02/22/11 11:50	SG	1	A	VOA
AC57097-010	02/22/11 10:02	R22	2	M	NONE
AC57097-011	02/03/11 10:10	RICAR	0	M	Received
AC57097-011	02/04/11 13:21	RICAR	0	M	Login
AC57097-011	02/22/11 10:02	R22	1	M	NONE
AC57097-011	02/22/11 11:50	SG	1	A	VOA
AC57097-011	02/22/11 10:02	R22	2	M	NONE
AC57097-012	02/03/11 10:10	RICAR	0	M	Received
AC57097-012	02/04/11 13:21	RICAR	0	M	Login
AC57097-012	02/23/11 10:20	R22	1	M	NONE
AC57097-012	02/23/11 14:00	SG	1	A	VOA
AC57097-012	02/23/11 10:20	R22	2	M	NONE
AC57097-012	02/24/11 10:48	SG	2	A	VOA
AC57097-013	02/03/11 10:10	RICAR	0	M	Received
AC57097-013	02/04/11 13:21	RICAR	0	M	Login
AC57097-013	02/23/11 13:47	R22	1	A	NONE
AC57097-013	02/23/11 13:47	R22	2	A	NONE
AC57097-013	02/24/11 12:21	SG	2	A	VOA
AC57097-014	02/03/11 10:10	RICAR	0	M	Received
AC57097-014	02/04/11 13:21	RICAR	0	M	Login
AC57097-014	02/24/11 10:33	R22	1	A	NONE
AC57097-014	02/25/11 12:53	SG	1	A	VOA
AC57097-014	02/24/11 10:33	R22	2	A	NONE
AC57097-015	02/03/11 10:10	RICAR	0	M	Received
AC57097-015	02/04/11 13:21	RICAR	0	M	Login
AC57097-015	02/25/11 10:43	R22	1	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC57097-015	02/25/11 12:53	SG	1	A	VOA
AC57097-015	02/25/11 10:43	R22	2	A	NONE
AC57097-016	02/03/11 10:10	RICAR	0	M	Received
AC57097-016	02/04/11 13:21	RICAR	0	M	Login
AC57097-016	02/28/11 10:38	R22	1	A	NONE
AC57097-016	02/28/11 13:15	WP	1	A	voa
AC57097-016	02/28/11 10:38	R22	2	A	NONE
AC57097-017	02/03/11 10:10	RICAR	0	M	Received
AC57097-017	02/04/11 13:21	RICAR	0	M	Login
AC57097-017	02/28/11 10:38	R22	1	A	NONE
AC57097-017	02/28/11 13:15	WP	1	A	voa
AC57097-017	02/28/11 10:38	R22	2	A	NONE
AC57097-018	02/03/11 10:10	RICAR	0	M	Received
AC57097-018	02/04/11 13:21	RICAR	0	M	Login
AC57097-018	02/28/11 10:38	R22	1	A	NONE
AC57097-018	02/28/11 13:15	WP	1	A	voa
AC57097-018	02/28/11 10:38	R22	2	A	NONE
AC57097-019	02/03/11 10:10	RICAR	0	M	Received
AC57097-019	02/04/11 13:21	RICAR	0	M	Login
AC57097-019	03/02/11 09:26	R22	1	A	NONE
AC57097-019	03/03/11 14:05	SG	1	A	VOA
AC57097-019	03/02/11 09:26	R22	2	A	NONE
AC57097-020	02/03/11 10:10	RICAR	0	M	Received
AC57097-020	02/04/11 13:21	RICAR	0	M	Login
AC57097-020	03/03/11 08:51	R22	1	A	NONE
AC57097-020	03/03/11 14:05	SG	1	A	VOA
AC57097-020	03/03/11 08:51	R22	2	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

SPLP
GC/MS Volatile Data

SPLP
GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
6M65420.D	DAILY BLANK	Aqueous	02/11/11 11:11	1		98	99	91	99		
6M65448.D	EF-3-1014(2/1	Aqueous	02/11/11 19:00	1		105	102	89	96		
6M65525.D	DAILY BLANK	Aqueous	02/15/11 14:36	1		110	107	86	102		
6M65641.D	DAILY BLANK	Aqueous	02/18/11 17:00	1		107	103	94	101		
6M65446.D	AC57097-001(	Aqueous	02/11/11 18:27	1		106	102	94	104		
6M65422.D	MBS6006	Aqueous	02/11/11 11:44	1		99	97	93	97		
6M65527.D	MBS6024	Aqueous	02/15/11 15:18	1		109	101	95	98		
6M65546.D	AC57097-005(	Aqueous	02/15/11 20:29	1		112	106	88	102		
6M65643.D	MBS6063	Aqueous	02/18/11 17:33	1		103	99	98	106		
6M65649.D	AC57097-005(	Aqueous	02/18/11 19:13	1		103	96	98	102		
6M65650.D	AC57097-005(	Aqueous	02/18/11 19:30	1		99	96	98	107		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
6M65525.D	DAILY BLANK	Aqueous	02/15/11 14:36	1		110	107	86	102		
6M65544.D	EF-3-1014(2/1	Aqueous	02/15/11 19:56	1		112	106	88	103		
6M65641.D	DAILY BLANK	Aqueous	02/18/11 17:00	1		107	103	94	101		
6M65546.D	AC57097-005(	Aqueous	02/15/11 20:29	1		112	106	88	102		
6M65527.D	MBS6024	Aqueous	02/15/11 15:18	1		109	101	95	98		
6M65643.D	MBS6063	Aqueous	02/18/11 17:33	1		103	99	98	106		
6M65649.D	AC57097-005(	Aqueous	02/18/11 19:13	1		103	96	98	102		
6M65650.D	AC57097-005(	Aqueous	02/18/11 19:30	1		99	96	98	107		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3M88073.D	DAILY BLANK	Aqueous	02/22/11 12:01	1		107	106	94	94		
3M88085.D	EF-3-V-1014#	Aqueous	02/22/11 15:20	1		103	107	92	95		
3M88077.D	AC57097-010(	Aqueous	02/22/11 13:07	1		108	106	92	96		
3M88074.D	MBS6079	Aqueous	02/22/11 12:17	1		104	103	97	97		
3M88102.D	AC57097-010(	Aqueous	02/22/11 20:38	1		96	101	93	99		
3M88103.D	AC57097-010(	Aqueous	02/22/11 20:55	1		100	106	91	96		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3M88073.D	DAILY BLANK	Aqueous	02/22/11 12:01	1		107	106	94	94		
3M88291.D	DAILY BLANK	Aqueous	02/25/11 08:51	1		109	110	92	96		
3M88324.D	EF-3-V-1014#	Aqueous	02/25/11 18:12	1		102	104	93	89		
3M88320.D	AC57097-015(	Aqueous	02/25/11 17:06	1		98	106	96	92		
3M88074.D	MBS6079	Aqueous	02/22/11 12:17	1		104	103	97	97		
3M88077.D	AC57097-010(	Aqueous	02/22/11 13:07	1		108	106	92	96		
3M88102.D	AC57097-010(	Aqueous	02/22/11 20:38	1		96	101	93	99		
3M88103.D	AC57097-010(	Aqueous	02/22/11 20:55	1		100	106	91	96		
3M88293.D	MBS6133	Aqueous	02/25/11 09:25	1		101	103	99	92		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2M63645.D	DAILY BLANK	Aqueous	03/02/11 15:12	1		96	95	92	96		
2M63687.D	DAILY BLANK	Aqueous	03/03/11 09:21	1		102	94	93	96		
2M63713.D	EF-3-V-1014(	Aqueous	03/03/11 16:35	1		105	100	95	101		
2M63709.D	AC57097-020(	Aqueous	03/03/11 15:31	1		100	103	94	93		
2M63647.D	MBS6293	Aqueous	03/02/11 15:44	1		101	103	96	96		
2M63656.D	AC57471-001(	Aqueous	03/02/11 18:07	1		103	106	94	94		
2M63689.D	MBS6307	Aqueous	03/03/11 09:53	1		101	97	96	99		
2M63706.D	AC57471-001(	Aqueous	03/03/11 14:44	1		103	97	95	92		
2M63707.D	AC57471-001(	Aqueous	03/03/11 15:00	1		102	96	100	94		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

Form3
Recovery Data
QC Batch: MBS6006

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65422.D	MBS6006	2/11/2011 11:44:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.7	0	20	74	21	137
1,1-Dichloroethene	1	13.94	0	20	70	21	133
1,1-Dichloroethane	1	16.27	0	20	81	44	134
Chloroform	1	17.42	0	20	87	40	148
1,2-Dichloroethane	1	19.37	0	20	97	43	144
2-Butanone	1	19.9	0	20	100	25	157
Carbon Tetrachloride	1	15.28	0	20	76	42	146
Trichloroethene	1	16.41	0	20	82	46	127
Benzene	1	18.35	0	20	92	49	135
Tetrachloroethene	1	13.55	0	20	68	42	138
Toluene	1	15.59	0	20	78	53	129
Chlorobenzene	1	15.36	0	20	77	51	129
1,4-Dichlorobenzene	1	15.22	0	20	76	45	128
1,2-Dichlorobenzene	1	15.53	0	20	78	50	126
n-Propylbenzene	1	16.31	0	20	82	45	135
sec-Butylbenzene	1	16.1	0	20	80	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6024

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65527.D	MBS6024	2/15/2011 3:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	23.19	0	20	116	21	137
1,1-Dichloroethene	1	15.34	0	20	77	21	133
1,1-Dichloroethane	1	23.44	0	20	117	44	134
Chloroform	1	24.81	0	20	124	40	148
1,2-Dichloroethane	1	26.36	0	20	132	43	144
2-Butanone	1	27.17	0	20	136	25	157
Carbon Tetrachloride	1	26.91	0	20	135	42	146
Trichloroethene	1	24.34	0	20	122	46	127
Benzene	1	25.4	0	20	127	49	135
Tetrachloroethene	1	22.75	0	20	114	42	138
Toluene	1	22.16	0	20	111	53	129
Chlorobenzene	1	21.75	0	20	109	51	129
1,4-Dichlorobenzene	1	19.66	0	20	98	45	128
1,2-Dichlorobenzene	1	19.53	0	20	98	50	126
n-Propylbenzene	1	20.16	0	20	101	45	135
sec-Butylbenzene	1	19.7	0	20	98	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88074.D	MBS6079	2/22/2011 12:17:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.66	0	20	78	21	137
1,1-Dichloroethene	1	20.41	0	20	102	21	133
1,1-Dichloroethane	1	19.15	0	20	96	44	134
Chloroform	1	19.53	0	20	98	40	148
1,2-Dichloroethane	1	20.53	0	20	103	43	144
2-Butanone	1	16.24	0	20	81	25	157
Carbon Tetrachloride	1	21.08	0	20	105	42	146
Trichloroethene	1	19.92	0	20	100	46	127
Benzene	1	20.4	0	20	102	49	135
Tetrachloroethene	1	19.93	0	20	100	42	138
Toluene	1	19.32	0	20	97	53	129
Chlorobenzene	1	19.79	0	20	99	51	129
1,4-Dichlorobenzene	1	18.71	0	20	94	45	128
1,2-Dichlorobenzene	1	18.19	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	17.42	0	20	87	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.9	0	20	79	21	137
1,1-Dichloroethene	1	19.84	0	20	99	21	133
1,1-Dichloroethane	1	18.48	0	20	92	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	19.11	0	20	96	43	144
2-Butanone	1	20.25	0	20	101	25	157
Carbon Tetrachloride	1	18.58	0	20	93	42	146
Trichloroethene	1	19.01	0	20	95	46	127
Benzene	1	20.5	0	20	102	49	135
Tetrachloroethene	1	17.39	0	20	87	42	138
Toluene	1	18.81	0	20	94	53	129
Chlorobenzene	1	18.38	0	20	92	51	129
1,4-Dichlorobenzene	1	17.57	0	20	88	45	128
1,2-Dichlorobenzene	1	17.98	0	20	90	50	126
n-Propylbenzene	1	20.21	0	20	101	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.78	0	20	79	21	137
1,1-Dichloroethene	1	19.26	0	20	96	21	133
1,1-Dichloroethane	1	18.62	0	20	93	44	134
Chloroform	1	18.71	0	20	94	40	148
1,2-Dichloroethane	1	19.52	0	20	98	43	144
2-Butanone	1	16.45	0	20	82	25	157
Carbon Tetrachloride	1	19.6	0	20	98	42	146
Trichloroethene	1	18.78	0	20	94	46	127
Benzene	1	19.8	0	20	99	49	135
Tetrachloroethene	1	16.96	0	20	85	42	138
Toluene	1	17.96	0	20	90	53	129
Chlorobenzene	1	17.71	0	20	89	51	129
1,4-Dichlorobenzene	1	17.81	0	20	89	45	128
1,2-Dichlorobenzene	1	17.69	0	20	88	50	126
n-Propylbenzene	1	19.92	0	20	100	45	135
sec-Butylbenzene	1	17.96	0	20	90	43	123

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Duplicate(If applicable):	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	15.78	15.9	0.76	30
1,1-Dichloroethene	1	19.26	19.84	3	34
1,1-Dichloroethane	1	18.62	18.48	0.75	30
Chloroform	1	18.71	18.17	2.9	37
1,2-Dichloroethane	1	19.52	19.11	2.1	34
2-Butanone	1	16.45	20.25	21	47
Carbon Tetrachloride	1	19.6	18.58	5.3	32
Trichloroethene	1	18.78	19.01	1.2	30
Benzene	1	19.8	20.5	3.5	29
Tetrachloroethene	1	16.96	17.39	2.5	27
Toluene	1	17.96	18.81	4.6	33
Chlorobenzene	1	17.71	18.38	3.7	30
1,4-Dichlorobenzene	1	17.81	17.57	1.4	30
1,2-Dichlorobenzene	1	17.69	17.98	1.6	34
n-Propylbenzene	1	19.92	20.21	1.4	32
sec-Butylbenzene	1	17.96	18.47	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS6133

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88293.D	MBS6133	2/25/2011 9:25:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.31	0	20	62	21	137
1,1-Dichloroethene	1	23.38	0	20	117	21	133
1,1-Dichloroethane	1	21.35	0	20	107	44	134
Chloroform	1	21.04	0	20	105	40	148
1,2-Dichloroethane	1	22.85	0	20	114	43	144
2-Butanone	1	19.44	0	20	97	25	157
Carbon Tetrachloride	1	19.12	0	20	96	42	146
Trichloroethene	1	21.27	0	20	106	46	127
Benzene	1	22.44	0	20	112	49	135
Tetrachloroethene	1	19.63	0	20	98	42	138
Toluene	1	21.1	0	20	106	53	129
Chlorobenzene	1	21.11	0	20	106	51	129
1,4-Dichlorobenzene	1	19.96	0	20	100	45	128
1,2-Dichlorobenzene	1	20.27	0	20	101	50	126
n-Propylbenzene	1	18.32	0	20	92	45	135
sec-Butylbenzene	1	16.27	0	20	81	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6293

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63647.D	MBS6293	3/2/2011 3:44:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.42	0	20	72	21	137
1,1-Dichloroethene	1	16.12	0	20	81	21	133
1,1-Dichloroethane	1	18.19	0	20	91	44	134
Chloroform	1	18.09	0	20	90	40	148
1,2-Dichloroethane	1	17.42	0	20	87	43	144
2-Butanone	1	22.35	0	20	112	25	157
Carbon Tetrachloride	1	20.08	0	20	100	42	146
Trichloroethene	1	17.41	0	20	87	46	127
Benzene	1	18.42	0	20	92	49	135
Tetrachloroethene	1	17.53	0	20	88	42	138
Toluene	1	17.98	0	20	90	53	129
Chlorobenzene	1	16.93	0	20	85	51	129
1,4-Dichlorobenzene	1	17.89	0	20	89	45	128
1,2-Dichlorobenzene	1	17.77	0	20	89	50	126
n-Propylbenzene	1	20.39	0	20	102	45	135
sec-Butylbenzene	1	21.42	0	20	107	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65643.D	MBS6063	2/18/2011 5:33:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.39	0	20	82	21	137
1,1-Dichloroethene	1	11.71	0	20	59	21	133
1,1-Dichloroethane	1	15.32	0	20	77	44	134
Chloroform	1	16.23	0	20	81	40	148
1,2-Dichloroethane	1	16.54	0	20	83	43	144
2-Butanone	1	12.67	0	20	63	25	157
Carbon Tetrachloride	1	17.68	0	20	88	42	146
Trichloroethene	1	16.61	0	20	83	46	127
Benzene	1	16.5	0	20	82	49	135
Tetrachloroethene	1	17.45	0	20	87	42	138
Toluene	1	15.67	0	20	78	53	129
Chlorobenzene	1	15.89	0	20	79	51	129
1,4-Dichlorobenzene	1	15.78	0	20	79	45	128
1,2-Dichlorobenzene	1	15.54	0	20	78	50	126
n-Propylbenzene	1	16.68	0	20	83	45	135
sec-Butylbenzene	1	15.52	0	20	78	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.19	0	20	101	21	137
1,1-Dichloroethene	1	13.69	0	20	68	21	133
1,1-Dichloroethane	1	18.17	0	20	91	44	134
Chloroform	1	19.93	0	20	100	40	148
1,2-Dichloroethane	1	19.48	0	20	97	43	144
2-Butanone	1	16.64	0	20	83	25	157
Carbon Tetrachloride	1	21.66	0	20	108	42	146
Trichloroethene	1	19.55	0	20	98	46	127
Benzene	1	19.7	0	20	98	49	135
Tetrachloroethene	1	21	0	20	105	42	138
Toluene	1	19.88	0	20	99	53	129
Chlorobenzene	1	19.2	0	20	96	51	129
1,4-Dichlorobenzene	1	18.13	0	20	91	45	128
1,2-Dichlorobenzene	1	18.42	0	20	92	50	126
n-Propylbenzene	1	20.07	0	20	100	45	135
sec-Butylbenzene	1	18.99	0	20	95	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.79	0	20	94	21	137
1,1-Dichloroethene	1	16.73	0	20	84	21	133
1,1-Dichloroethane	1	17.47	0	20	87	44	134
Chloroform	1	18.75	0	20	94	40	148
1,2-Dichloroethane	1	18.94	0	20	95	43	144
2-Butanone	1	14.85	0	20	74	25	157
Carbon Tetrachloride	1	20.31	0	20	102	42	146
Trichloroethene	1	18.57	0	20	93	46	127
Benzene	1	19.33	0	20	97	49	135
Tetrachloroethene	1	19.28	0	20	96	42	138
Toluene	1	18.7	0	20	94	53	129
Chlorobenzene	1	18.41	0	20	92	51	129
1,4-Dichlorobenzene	1	18.43	0	20	92	45	128
1,2-Dichlorobenzene	1	18.18	0	20	91	50	126
n-Propylbenzene	1	19.83	0	20	99	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Duplicate(If applicable):	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.79	20.19	7.2	30
1,1-Dichloroethene	1	16.73	13.69	20	34
1,1-Dichloroethane	1	17.47	18.17	3.9	30
Chloroform	1	18.75	19.93	6.1	37
1,2-Dichloroethane	1	18.94	19.48	2.8	34
2-Butanone	1	14.85	16.64	11	47
Carbon Tetrachloride	1	20.31	21.66	6.4	32
Trichloroethene	1	18.57	19.55	5.1	30
Benzene	1	19.33	19.7	1.9	29
Tetrachloroethene	1	19.28	21	8.5	27
Toluene	1	18.7	19.88	6.1	33
Chlorobenzene	1	18.41	19.2	4.2	30
1,4-Dichlorobenzene	1	18.43	18.13	1.6	30
1,2-Dichlorobenzene	1	18.18	18.42	1.3	34
n-Propylbenzene	1	19.83	20.07	1.2	32
sec-Butylbenzene	1	18.47	18.99	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63689.D	MBS6307	3/3/2011 9:53:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			
Method: 8260		Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.24	0	20	66	21	137
1,1-Dichloroethene	1	14.74	0	20	74	21	133
1,1-Dichloroethane	1	16.2	0	20	81	44	134
Chloroform	1	15.78	0	20	79	40	148
1,2-Dichloroethane	1	14.9	0	20	74	43	144
2-Butanone	1	14.68	0	20	73	25	157
Carbon Tetrachloride	1	19.98	0	20	100	42	146
Trichloroethene	1	17.15	0	20	86	46	127
Benzene	1	16.45	0	20	82	49	135
Tetrachloroethene	1	18.78	0	20	94	42	138
Toluene	1	16.22	0	20	81	53	129
Chlorobenzene	1	16.74	0	20	84	51	129
1,4-Dichlorobenzene	1	16.32	0	20	82	45	128
1,2-Dichlorobenzene	1	16.67	0	20	83	50	126
n-Propylbenzene	1	17.56	0	20	88	45	135
sec-Butylbenzene	1	18.27	0	20	91	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.77	0	20	89	21	137
1,1-Dichloroethene	1	16.44	0	20	82	21	133
1,1-Dichloroethane	1	17.33	0	20	87	44	134
Chloroform	1	17.1	0	20	86	40	148
1,2-Dichloroethane	1	16.46	0	20	82	43	144
2-Butanone	1	18.42	0	20	92	25	157
Carbon Tetrachloride	1	19.9	0	20	100	42	146
Trichloroethene	1	17.07	0	20	85	46	127
Benzene	1	17.31	0	20	87	49	135
Tetrachloroethene	1	17.34	0	20	87	42	138
Toluene	1	17.36	0	20	87	53	129
Chlorobenzene	1	16.99	0	20	85	51	129
1,4-Dichlorobenzene	1	17.42	0	20	87	45	128
1,2-Dichlorobenzene	1	17.73	0	20	89	50	126
n-Propylbenzene	1	19.44	0	20	97	45	135
sec-Butylbenzene	1	19.33	0	20	97	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.41	0	20	92	21	137
1,1-Dichloroethene	1	17.15	0	20	86	21	133
1,1-Dichloroethane	1	17.75	0	20	89	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	16.07	0	20	80	43	144
2-Butanone	1	21.06	0	20	105	25	157
Carbon Tetrachloride	1	20.65	0	20	103	42	146
Trichloroethene	1	18.21	0	20	91	46	127
Benzene	1	17.64	0	20	88	49	135
Tetrachloroethene	1	18.36	0	20	92	42	138
Toluene	1	17.67	0	20	88	53	129
Chlorobenzene	1	17.61	0	20	88	51	129
1,4-Dichlorobenzene	1	17.68	0	20	88	45	128
1,2-Dichlorobenzene	1	18.13	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	19.85	0	20	99	43	123

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Duplicate(If applicable):	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.41	17.77	3.5	30
1,1-Dichloroethene	1	17.15	16.44	4.2	34
1,1-Dichloroethane	1	17.75	17.33	2.4	30
Chloroform	1	18.17	17.1	6.1	37
1,2-Dichloroethane	1	16.07	16.46	2.4	34
2-Butanone	1	21.06	18.42	13	47
Carbon Tetrachloride	1	20.65	19.9	3.7	32
Trichloroethene	1	18.21	17.07	6.5	30
Benzene	1	17.64	17.31	1.9	29
Tetrachloroethene	1	18.36	17.34	5.7	27
Toluene	1	17.67	17.36	1.8	33
Chlorobenzene	1	17.61	16.99	3.6	30
1,4-Dichlorobenzene	1	17.68	17.42	1.5	30
1,2-Dichlorobenzene	1	18.13	17.73	2.2	34
n-Propylbenzene	1	19.17	19.44	1.4	32
sec-Butylbenzene	1	19.85	19.33	2.7	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65420.D
Matrix: Aqueous

Blank Analysis Date: 02/11/11 11:11
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-001(T)	6M65446.D	02/11/11 18:27
EF-3-1014(2/11/11)	6M65448.D	02/11/11 19:00
MBS6006	6M65422.D	02/11/11 11:44

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65525.D
Matrix: Aqueous

Blank Analysis Date: 02/15/11 14:36
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS6024	6M65527.D	02/15/11 15:18
AC57097-005(T)	6M65546.D	02/15/11 20:29

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65641.D
Matrix: Aqueous

Blank Analysis Date: 02/18/11 17:00
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-005(T:M	6M65650.D	02/18/11 19:30
AC57097-005(T:M	6M65649.D	02/18/11 19:13
MBS6063	6M65643.D	02/18/11 17:33

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65525.D
Matrix: Aqueous

Blank Analysis Date: 02/15/11 14:36
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-005(T)	6M65546.D	02/15/11 20:29
EF-3-1014(2/15/11)	6M65544.D	02/15/11 19:56
MBS6024	6M65527.D	02/15/11 15:18

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65641.D
Matrix: Aqueous

Blank Analysis Date: 02/18/11 17:00
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-005(T:M	6M65650.D	02/18/11 19:30
AC57097-005(T:M	6M65649.D	02/18/11 19:13
MBS6063	6M65643.D	02/18/11 17:33

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88073.D
Matrix: Aqueous

Blank Analysis Date: 02/22/11 12:01
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-010(T)	3M88077.D	02/22/11 13:07
EF-3-V-1014#10(0	3M88085.D	02/22/11 15:20
AC57097-010(T:M	3M88103.D	02/22/11 20:55
AC57097-010(T:M	3M88102.D	02/22/11 20:38
MBS6079	3M88074.D	02/22/11 12:17

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88073.D
Matrix: Aqueous

Blank Analysis Date: 02/22/11 12:01
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-010(T:M	3M88103.D	02/22/11 20:55
AC57097-010(T:M	3M88102.D	02/22/11 20:38
AC57097-010(T)	3M88077.D	02/22/11 13:07
MBS6079	3M88074.D	02/22/11 12:17

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88291.D
Matrix: Aqueous

Blank Analysis Date: 02/25/11 08:51
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-015(T)	3M88320.D	02/25/11 17:06
EF-3-V-1014#15(0	3M88324.D	02/25/11 18:12
MBS6133	3M88293.D	02/25/11 09:25

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M63645.D
Matrix: Aqueous

Blank Analysis Date: 03/02/11 15:12
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS6293	2M63647.D	03/02/11 15:44
AC57471-001(T)	2M63656.D	03/02/11 18:07

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M63687.D
Matrix: Aqueous

Blank Analysis Date: 03/03/11 09:21
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-020(T)	2M63709.D	03/03/11 15:31
EF-3-V-1014(0302	2M63713.D	03/03/11 16:35
AC57471-001(T:M	2M63707.D	03/03/11 15:00
AC57471-001(T:M	2M63706.D	03/03/11 14:44
MBS6307	2M63689.D	03/03/11 09:53

Form 5

Tune Name: BFB TUNE **Data File:** 6M65279.D
Instrument: GCMS 6 **Analysis Date:** 02/02/11 09:25
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.113 to 4.143 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.8	64744	PASS
75	95	30	60	53.5	129274	PASS
95	95	100	100	100.0	241702	PASS
96	95	5	9	6.1	14813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	186886	PASS
175	174	5	9	7.1	13177	PASS
176	174	95	101	97.9	183028	PASS
177	176	5	9	6.3	11451	PASS

Data File	Sample Number	Analysis Date:
6M65280.D	BLK	02/02/11 09:36
6M65281.D	CAL @ 1 PPB	02/02/11 09:52
6M65282.D	CAL @ 0.5 PPB	02/02/11 10:09
6M65283.D	CAL @ 5 PPB	02/02/11 10:25
6M65284.D	CAL @ 500 PPB	02/02/11 10:48
6M65285.D	CAL @ 250 PPB	02/02/11 11:06
6M65286.D	CAL @ 100 PPB	02/02/11 11:22
6M65287.D	CAL @ 50 PPB	02/02/11 11:40
6M65288.D	CAL @ 20 PPB	02/02/11 11:56
6M65289.D	CAL @ 10 PPB	02/02/11 12:13
6M65290.D	BLK	02/02/11 12:29
6M65291.D	20 PPB	02/02/11 12:46
6M65292.D	20 PPB	02/02/11 13:02
6M65293.D	ICV	02/02/11 13:30
6M65294.D	BLK	02/02/11 13:46
6M65295.D	DAILY BLANK	02/02/11 14:05
6M65296.D	DAILY BLANK	02/02/11 14:21
6M65297.D	MBS5772	02/02/11 14:37
6M65298.D	MBS5774	02/02/11 14:54
6M65299.D	BLK	02/02/11 15:10
6M65300.D	20ppb(1/31)	02/02/11 15:26
6M65301.D	20ppb(2/1)	02/02/11 15:45
6M65302.D	20ppb(2/1)	02/02/11 16:01
6M65303.D	AC57073-002	02/02/11 16:22
6M65304.D	AC57073-005	02/02/11 16:38
6M65305.D	BLK	02/02/11 16:55
6M65306.D	AC57073-009	02/02/11 17:11
6M65307.D	AC57073-008	02/02/11 17:27
6M65308.D	AC57073-007	02/02/11 17:44
6M65309.D	BLK	02/03/11 07:01

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M87517.D
Analysis Date: 02/09/11 09:13
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.437 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.3	2470	PASS
75	95	30	60	44.4	5393	PASS
95	95	100	100	100.0	12141	PASS
96	95	5	9	5.8	708	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	10227	PASS
175	174	5	9	6.1	621	PASS
176	174	95	101	97.0	9919	PASS
177	176	5	9	5.4	537	PASS

Data File	Sample Number	Analysis Date:
3M87518.D	BLK	02/09/11 09:23
3M87519.D	CAL @ 1 PPB	02/09/11 09:40
3M87520.D	CAL @ 0.5 PPB	02/09/11 09:59
3M87521.D	CAL @ 5 PPB	02/09/11 10:18
3M87522.D	CAL @ 500 PPB	02/09/11 10:35
3M87523.D	CAL @ 250 PPB	02/09/11 10:52
3M87524.D	CAL @ 100 PPB	02/09/11 11:08
3M87525.D	CAL @ 50 PPB	02/09/11 11:25
3M87526.D	CAL @ 20 PPB	02/09/11 11:41
3M87527.D	CAL @ 10 PPB	02/09/11 11:58
3M87528.D	BLK	02/09/11 12:15
3M87529.D	ICV	02/09/11 12:31
3M87530.D	20 PPB	02/09/11 12:48
3M87531.D	DAILY BLANK	02/09/11 13:04
3M87532.D	DAILY BLANK	02/09/11 13:21
3M87533.D	1 PPB	02/09/11 13:38
3M87534.D	MBS5983	02/09/11 13:54
3M87535.D	BLK	02/09/11 14:11
3M87536.D	BLK	02/09/11 14:27
3M87537.D	MBS5993	02/09/11 14:44
3M87538.D	57040-001	02/09/11 15:01
3M87539.D	20 PPB	02/09/11 15:17
3M87540.D	AC57040-001(50X)	02/09/11 15:37
3M87541.D	AC57040-002(50X)	02/09/11 15:58
3M87542.D	AC57040-003(50X)	02/09/11 16:20
3M87543.D	20 PPB	02/09/11 16:40
3M87544.D	MBS5988	02/09/11 16:57
3M87545.D	57180-001	02/09/11 17:14
3M87546.D	57180-004	02/09/11 17:30
3M87547.D	BLK	02/09/11 17:47
3M87548.D	AC57171-011	02/09/11 18:04
3M87549.D	AC57171-012	02/09/11 18:20
3M87550.D	AC57171-013	02/09/11 18:37
3M87551.D	AC57182-004	02/09/11 18:54
3M87552.D	AC57171-001	02/09/11 19:10
3M87553.D	AC57171-002	02/09/11 19:26
3M87554.D	AC57171-003	02/09/11 19:43
3M87555.D	AC57171-004	02/09/11 19:59
3M87556.D	AC57171-005	02/09/11 20:16
3M87557.D	AC57080-001(MS)	02/09/11 20:33
3M87558.D	AC57080-001(MSD	02/09/11 20:49
3M87559.D	BLK	02/09/11 21:06
3M87560.D	AC57171-007	02/09/11 21:22
3M87561.D	AC57171-008	02/09/11 21:38
3M87562.D	AC57171-009	02/09/11 21:55
3M87563.D	AC57171-010	02/09/11 22:11
3M87564.D	AC57171-014	02/09/11 22:27
3M87565.D	BLK	02/09/11 22:44
3M87566.D	AC57182-001	02/09/11 23:00
3M87567.D	AC57182-002(50X)	02/09/11 23:19
3M87568.D	AC57182-003(50X)	02/09/11 23:41
3M87569.D	AC57171-006(50X)	02/10/11 00:02
3M87570.D	MBS5989	02/10/11 00:21
3M87571.D	BLK	02/10/11 00:37
3M87572.D	BLK	02/10/11 00:53
3M87573.D	BLK	02/10/11 01:10
3M87574.D	BLK	02/10/11 01:27
3M87575.D	BLK	02/10/11 01:43
3M87576.D	BLK	02/10/11 01:59
3M87577.D	BLK	02/10/11 02:16
3M87578.D	BLK	02/10/11 02:32

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65415.D
Analysis Date: 02/11/11 09:41
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.4	42672	PASS
75	95	30	60	54.8	79528	PASS
95	95	100	100	100.0	145024	PASS
96	95	5	9	6.3	9204	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.4	97776	PASS
175	174	5	9	6.8	6640	PASS
176	174	95	101	96.0	93912	PASS
177	176	5	9	6.7	6292	PASS

Data File	Sample Number	Analysis Date:
6M65416.D	20 PPB	02/11/11 09:57
6M65417.D	CAL @ 20 PPB	02/11/11 10:15
6M65418.D	BLKHCL	02/11/11 10:38
6M65419.D	DAILY BLANK	02/11/11 10:55
6M65420.D	DAILY BLANK	02/11/11 11:11
6M65421.D	MBS6005	02/11/11 11:28
6M65422.D	MBS6006	02/11/11 11:44
6M65423.D	BLKJUG2	02/11/11 12:02
6M65424.D	AC57228-004	02/11/11 12:18
6M65425.D	AC57228-005	02/11/11 12:35
6M65426.D	AC57229-001	02/11/11 12:51
6M65427.D	AC57229-002	02/11/11 13:07
6M65428.D	AC57232-003	02/11/11 13:24
6M65429.D	AC57232-007	02/11/11 13:40
6M65430.D	AC57232-008	02/11/11 13:57
6M65431.D	AC57232-009	02/11/11 14:13
6M65432.D	AC57199-001	02/11/11 14:29
6M65433.D	BLK	02/11/11 14:46
6M65434.D	AC57205-019	02/11/11 15:02
6M65435.D	AC57205-020	02/11/11 15:19
6M65436.D	AC57205-021	02/11/11 15:35
6M65437.D	AC57205-022	02/11/11 15:51
6M65438.D	AC57224-003	02/11/11 16:14
6M65439.D	AC57224-004	02/11/11 16:30
6M65440.D	AC57205-023	02/11/11 16:47
6M65441.D	AC57205-024	02/11/11 17:03
6M65442.D	AC57205-025	02/11/11 17:19
6M65443.D	AC57205-026	02/11/11 17:36
6M65444.D	AC57205-016	02/11/11 17:52
6M65445.D	AC57205-015	02/11/11 18:11
6M65446.D	AC57097-001(T)	02/11/11 18:27
6M65447.D	AC57099-001(T)	02/11/11 18:44
6M65448.D	EF-3-1014(2/11/11)	02/11/11 19:00
6M65449.D	AC57199-002	02/11/11 19:16
6M65450.D	AC57216-001	02/11/11 19:33
6M65451.D	AC57229-001(80uL	02/11/11 19:49
6M65452.D	AC57232-001	02/11/11 20:05
6M65453.D	AC57232-002(400u	02/11/11 20:22
6M65454.D	EF-1-V-107674(021	02/11/11 20:38
6M65455.D	57224-007(80uL)	02/11/11 20:54
6M65456.D	57224-008	02/11/11 21:11
6M65457.D	BLK	02/11/11 21:27
6M65458.D	BLK	02/11/11 21:43

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65519.D
Analysis Date: 02/15/11 12:42
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.3	70216	PASS
75	95	30	60	50.9	135680	PASS
95	95	100	100	100.0	266688	PASS
96	95	5	9	6.0	16059	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.6	191040	PASS
175	174	5	9	7.2	13785	PASS
176	174	95	101	97.5	186176	PASS
177	176	5	9	6.3	11805	PASS

Data File	Sample Number	Analysis Date:
6M65520.D	BLK	02/15/11 12:58
6M65521.D	20 PPB	02/15/11 13:16
6M65522.D	CAL @ 20 PPB	02/15/11 13:38
6M65523.D	BLK	02/15/11 13:55
6M65524.D	DAILY BLANK	02/15/11 14:19
6M65525.D	DAILY BLANK	02/15/11 14:36
6M65526.D	MBS6023	02/15/11 14:56
6M65527.D	MBS6024	02/15/11 15:18
6M65528.D	MBS6025	02/15/11 15:34
6M65529.D	AC57241-001(MS)	02/15/11 15:50
6M65530.D	AC57241-001(MSD	02/15/11 16:07
6M65531.D	MBS6026	02/15/11 16:23
6M65532.D	AC57213-001	02/15/11 16:40
6M65533.D	AC57270-001	02/15/11 16:56
6M65534.D	AC57274-001	02/15/11 17:12
6M65535.D	AC57273-001	02/15/11 17:29
6M65536.D	AC57213-001(MS)	02/15/11 17:45
6M65537.D	AC57213-001(MSD	02/15/11 18:02
6M65538.D	BLK	02/15/11 18:18
6M65539.D	AC57213-003	02/15/11 18:34
6M65540.D	AC57213-002	02/15/11 18:51
6M65541.D	AC57099-004(T)	02/15/11 19:07
6M65542.D	AC57097-004(T)	02/15/11 19:23
6M65543.D	AC57099-005(T)	02/15/11 19:40
6M65544.D	EF-3-1014(2/15/11)	02/15/11 19:56
6M65545.D	EF-3-VO-SPLPMO	02/15/11 20:13
6M65546.D	AC57097-005(T)	02/15/11 20:29
6M65547.D	BLK	02/15/11 20:45
6M65548.D	BLK	02/15/11 21:02
6M65549.D	524INTTEST	02/15/11 21:18

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65639.D
Analysis Date: 02/18/11 16:32
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.116 to 4.116 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.4	37056	PASS
75	95	30	60	50.3	73352	PASS
95	95	100	100	100.0	145856	PASS
96	95	5	9	5.7	8325	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.8	106200	PASS
175	174	5	9	6.7	7152	PASS
176	174	95	101	97.1	103096	PASS
177	176	5	9	6.3	6501	PASS

Data File	Sample Number	Analysis Date:
6M65640.D	CAL @ 20 PPB	02/18/11 16:42
6M65641.D	DAILY BLANK	02/18/11 17:00
6M65642.D	DAILY BLANK	02/18/11 17:16
6M65643.D	MBS6063	02/18/11 17:33
6M65644.D	MBS6064	02/18/11 17:49
6M65645.D	AC57263-001(T)	02/18/11 18:05
6M65646.D	AC57198-002(T)	02/18/11 18:22
6M65647.D	AC57263-001(T)	02/18/11 18:40
6M65648.D	AC57198-002(T)	02/18/11 18:57
6M65649.D	AC57097-005(T:M	02/18/11 19:13
6M65650.D	AC57097-005(T:M	02/18/11 19:30
6M65651.D	EF-1-V-108537(021	02/18/11 19:46
6M65652.D	EF-3-V-1014(02171	02/18/11 20:02
6M65653.D	AC57294-001(40uL	02/18/11 20:19
6M65654.D	EF-3-V-1014(02161	02/18/11 20:35
6M65655.D	AC57298-005(80uL	02/18/11 20:52
6M65656.D	EF-3-V-1014(02181	02/18/11 21:08
6M65657.D	AC57099-006(T)	02/18/11 21:24
6M65658.D	AC57099-007(T)	02/18/11 21:41
6M65659.D	AC57099-008(T)	02/18/11 21:57
6M65660.D	BLK	02/18/11 22:14
6M65661.D	AC57312-002	02/18/11 22:30
6M65662.D	AC57312-003	02/18/11 22:46
6M65663.D	AC57312-004	02/18/11 23:03
6M65664.D	AC57312-005	02/18/11 23:19
6M65665.D	AC57312-006	02/18/11 23:35
6M65666.D	AC57312-007	02/18/11 23:52
6M65667.D	BLK	02/19/11 07:36
6M65668.D	AC57300-001	02/19/11 07:53
6M65669.D	AC57300-002	02/19/11 08:12
6M65670.D	AC57300-003	02/19/11 08:29
6M65671.D	AC57300-005	02/19/11 08:45
6M65672.D	AC57300-008	02/19/11 09:01
6M65673.D	BLK	02/19/11 09:18
6M65674.D	AC57332-001	02/19/11 09:34
6M65675.D	MBS6067	02/19/11 09:50
6M65676.D	BLK	02/19/11 10:07
6M65677.D	BLK	02/19/11 10:23
6M65678.D	BLK	02/19/11 10:39
6M65679.D	BLK	02/19/11 10:56

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88068.D
Analysis Date: 02/22/11 09:55
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.428 to 4.428 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.3	3190	PASS
75	95	30	60	44.2	6054	PASS
95	95	100	100	100.0	13711	PASS
96	95	5	9	6.8	926	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	10441	PASS
175	174	5	9	6.8	709	PASS
176	174	95	101	99.1	10349	PASS
177	176	5	9	6.7	693	PASS

Data File	Sample Number	Analysis Date:
3M88069.D	20 PPB	02/22/11 10:05
3M88070.D	CAL @ 20 PPB	02/22/11 10:25
3M88071.D	BLKJUG2	02/22/11 11:27
3M88072.D	STDTEST	02/22/11 11:05
3M88073.D	DAILY BLANK	02/22/11 12:01
3M88074.D	MBS6079	02/22/11 12:17
3M88075.D	MBS6080	02/22/11 12:34
3M88076.D	AC57097-009(T)	02/22/11 12:50
3M88077.D	AC57097-010(T)	02/22/11 13:07
3M88078.D	AC57097-011(T)	02/22/11 13:23
3M88079.D	AC57099-009(T)	02/22/11 13:40
3M88080.D	AC57099-010(T)	02/22/11 13:57
3M88081.D	AC57099-011(T)	02/22/11 14:13
3M88082.D	EF-3-V-1014#9(02	02/22/11 14:30
3M88083.D	DAILY BLANK	02/22/11 14:46
3M88084.D	MBS6081	02/22/11 15:03
3M88085.D	EF-3-V-1014#10(0	02/22/11 15:20
3M88086.D	AC57375-001	02/22/11 15:36
3M88087.D	AC57375-002	02/22/11 15:53
3M88088.D	AC57375-003	02/22/11 16:09
3M88089.D	AC57375-006	02/22/11 16:26
3M88090.D	AC57375-008	02/22/11 16:42
3M88091.D	AC57375-010	02/22/11 16:59
3M88092.D	AC57375-011	02/22/11 17:15
3M88093.D	EF-3-V-1014#11(0	02/22/11 17:32
3M88094.D	AC57372-001(80uL	02/22/11 17:51
3M88095.D	AC57375-012(80uL	02/22/11 18:14
3M88096.D	AC57375-005(80uL	02/22/11 18:36
3M88097.D	AC57375-007(80uL	02/22/11 18:58
3M88098.D	AC57375-009(80uL	02/22/11 19:19
3M88099.D	AC57375-004(80uL	02/22/11 19:41
3M88100.D	AC57375-013(80uL	02/22/11 20:02
3M88101.D	BLK	02/22/11 20:22
3M88102.D	AC57097-010(T:M	02/22/11 20:38
3M88103.D	AC57097-010(T:M	02/22/11 20:55
3M88104.D	BLK	02/22/11 21:11
3M88105.D	BLK	02/22/11 21:28
3M88106.D	BLK	02/22/11 21:44
3M88107.D	BLK	02/22/11 22:01
3M88108.D	BLK	02/22/11 22:17
3M88109.D	BLK	02/22/11 22:33
3M88110.D	BLK	02/22/11 22:50
3M88111.D	BLK	02/22/11 23:07

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63418.D
Analysis Date: 02/25/11 06:00
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.090 to 4.109 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.8	5717	PASS
75	95	30	60	49.4	11405	PASS
95	95	100	100	100.0	23071	PASS
96	95	5	9	7.3	1684	PASS
173	174	0.00	2	0.8	175	PASS
174	95	50	100	92.4	21314	PASS
175	174	5	9	7.7	1634	PASS
176	174	95	101	95.1	20265	PASS
177	176	5	9	8.0	1612	PASS

Data File	Sample Number	Analysis Date:
2M63419.D	BLK	02/25/11 06:16
2M63421.D	CAL @ 1 PPB	02/25/11 07:55
2M63422.D	CAL @ 0.5 PPB	02/25/11 08:13
2M63423.D	CAL @ 5 PPB	02/25/11 08:31
2M63424.D	CAL @ 500 PPB	02/25/11 08:47
2M63425.D	CAL @ 250 PPB	02/25/11 09:02
2M63426.D	CAL @ 100 PPB	02/25/11 09:18
2M63427.D	CAL @ 50 PPB	02/25/11 09:34
2M63428.D	CAL @ 20 PPB	02/25/11 09:50
2M63429.D	CAL @ 10 PPB	02/25/11 10:06
2M63430.D	ICV	02/25/11 10:22
2M63431.D	BLK	02/25/11 11:00
2M63432.D	DAILY BLANK	02/25/11 11:16
2M63433.D	DAILY BLANK	02/25/11 11:32
2M63434.D	MBS6137	02/25/11 11:48
2M63435.D	BLK	02/25/11 12:03
2M63436.D	MBS6218	02/25/11 12:19
2M63437.D	MBS6219	02/25/11 12:35
2M63438.D	MBS6220	02/25/11 12:51
2M63439.D	MBS6221	02/25/11 13:07
2M63440.D	MBS6222	02/25/11 13:22
2M63441.D	MBS6223	02/25/11 13:38
2M63442.D	MBS6224	02/25/11 13:54
2M63443.D	MBS6225	02/25/11 14:10
2M63444.D	BLK	02/25/11 14:26
2M63445.D	AC57458-001	02/25/11 14:42
2M63446.D	AC57458-002	02/25/11 14:57
2M63447.D	AC57458-003	02/25/11 15:13
2M63448.D	AC57458-004	02/25/11 15:29
2M63449.D	AC57458-005	02/25/11 15:45
2M63450.D	BLK	02/25/11 16:19
2M63451.D	AC57476-001	02/25/11 16:43
2M63452.D	AC57476-002	02/25/11 16:59
2M63453.D	AC57476-003	02/25/11 17:15
2M63454.D	AC57476-004	02/25/11 17:31
2M63455.D	AC57476-005	02/25/11 17:46
2M63456.D	AC57476-006	02/25/11 18:02
2M63457.D	AC57476-007	02/25/11 18:18
2M63458.D	AC57476-008	02/25/11 18:34
2M63459.D	BLK	02/25/11 18:49

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

Data File	Sample Number	Analysis Date:
3M88288.D	CAL @ 20 PPB	02/25/11 07:57
3M88289.D	BLKHCL	02/25/11 08:18
3M88290.D	DAILY BLANK	02/25/11 08:34
3M88291.D	DAILY BLANK	02/25/11 08:51
3M88292.D	MBS6131	02/25/11 09:08
3M88293.D	MBS6133	02/25/11 09:25
3M88294.D	MBS6135	02/25/11 09:41
3M88295.D	AC57379-006	02/25/11 09:58
3M88296.D	AC57431-001	02/25/11 10:14
3M88297.D	AC57426-001	02/25/11 10:31
3M88298.D	AC57426-002	02/25/11 10:47
3M88299.D	AC57426-003	02/25/11 11:04
3M88300.D	AC57431-001	02/25/11 11:21
3M88301.D	AC57426-004	02/25/11 11:37
3M88302.D	AC57426-005	02/25/11 11:54
3M88303.D	AC57426-006	02/25/11 12:11
3M88304.D	AC57426-007	02/25/11 12:27
3M88305.D	AC57426-008	02/25/11 12:44
3M88306.D	AC57441-001	02/25/11 13:01
3M88307.D	AC57441-002	02/25/11 13:18
3M88308.D	AC57441-003	02/25/11 13:34
3M88309.D	AC57441-004	02/25/11 13:51
3M88310.D	AC57441-005	02/25/11 14:08
3M88311.D	AC57441-007	02/25/11 14:25
3M88312.D	AC57441-008	02/25/11 14:42
3M88313.D	AC57441-010	02/25/11 14:58
3M88314.D	AC57441-006(80uL	02/25/11 15:17
3M88315.D	AC57441-009(80uL	02/25/11 15:40
3M88316.D	AC57379-006(MS)	02/25/11 15:59
3M88317.D	AC57379-006(MSD	02/25/11 16:16
3M88318.D	BLK	02/25/11 16:33
3M88319.D	AC57099-015(T)	02/25/11 16:49
3M88320.D	AC57097-015(T)	02/25/11 17:06
3M88321.D	AC57097-014(T)	02/25/11 17:23
3M88322.D	AC57099-014(T)	02/25/11 17:39
3M88323.D	EF-3-V-1014#14(0	02/25/11 17:56
3M88324.D	EF-3-V-1014#15(0	02/25/11 18:12
3M88325.D	AC57364-004	02/25/11 18:29
3M88326.D	AC57364-003	02/25/11 18:49
3M88327.D	AC57364-002	02/25/11 19:06
3M88328.D	AC57364-001	02/25/11 19:22
3M88329.D	AC57280-006(MS)	02/25/11 19:39
3M88330.D	AC57280-006(MSD	02/25/11 19:56
3M88331.D	BLK	02/25/11 20:13
3M88332.D	BLK	02/25/11 20:30
3M88333.D	BLK	02/25/11 20:46
3M88334.D	MBS6232	02/25/11 21:03
3M88335.D	BLK	02/25/11 21:20
3M88336.D	AC57414-006	02/25/11 21:37
3M88337.D	AC57414-007	02/25/11 21:53
3M88338.D	AC57434-002	02/25/11 22:09
3M88339.D	AC57422-021	02/25/11 22:26
3M88340.D	AC57422-005	02/25/11 22:42
3M88341.D	AC57422-007	02/25/11 22:59
3M88342.D	AC57422-009	02/25/11 23:16
3M88343.D	AC57422-011	02/25/11 23:32
3M88344.D	AC57422-017	02/25/11 23:49
3M88345.D	AC57422-019	02/26/11 00:06
3M88346.D	BLK	02/26/11 00:22
3M88347.D	AC57414-002	02/26/11 00:38
3M88348.D	AC57414-005	02/26/11 00:55
3M88349.D	AC57414-003	02/26/11 01:11
3M88350.D	AC57414-001	02/26/11 01:28
3M88351.D	AC57414-004	02/26/11 01:45
3M88352.D	MBS6233	02/26/11 02:02

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

3M88353.D	BLK	02/26/11 02:18
3M88354.D	AC57422-015	02/26/11 02:35
3M88355.D	AC57422-013	02/26/11 02:52
3M88356.D	AC57422-003	02/26/11 03:08
3M88357.D	AC57422-001(20X)	02/26/11 03:27
3M88358.D	BLK	02/26/11 03:46
3M88359.D	AC57434-001	02/26/11 04:03
3M88360.D	AC57280-007(MS)	02/26/11 04:19
3M88361.D	AC57280-007(MSD	02/26/11 04:36
3M88362.D	BLK	02/26/11 04:52
3M88363.D	BLK	02/26/11 05:09
3M88364.D	MBS6234	02/26/11 05:25
3M88365.D	BLK	02/26/11 05:42
3M88366.D	AC57437-008	02/26/11 05:58
3M88367.D	AC57443-001	02/26/11 06:15
3M88368.D	AC57443-002	02/26/11 06:31
3M88369.D	AC57443-005	02/26/11 06:48
3M88370.D	AC57443-004	02/26/11 07:05
3M88371.D	AC57443-003	02/26/11 07:21
3M88375.D	BLK	02/27/11 10:30
3M88376.D	BLK	02/27/11 12:01
3M88377.D	BLK	02/27/11 12:29
3M88378.D	BLK	02/27/11 12:44
3M88379.D	BLK	02/27/11 13:19

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63640.D
Analysis Date: 03/02/11 13:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.980 to 4.019 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.3	1487	PASS
75	95	30	60	44.9	3861	PASS
95	95	100	100	100.0	8596	PASS
96	95	5	9	5.9	505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.2	8187	PASS
175	174	5	9	7.6	623	PASS
176	174	95	101	95.1	7788	PASS
177	176	5	9	5.4	420	PASS

Data File	Sample Number	Analysis Date:
2M63641.D	BLKJUG3	03/02/11 14:01
2M63642.D	CAL @ 20 PPB	03/02/11 14:16
2M63643.D	BLK	03/02/11 14:38
2M63644.D	DAILY BLANK	03/02/11 14:57
2M63645.D	DAILY BLANK	03/02/11 15:12
2M63646.D	MBS6292	03/02/11 15:28
2M63647.D	MBS6293	03/02/11 15:44
2M63648.D	BLK	03/02/11 16:00
2M63649.D	AC57462-001	03/02/11 16:16
2M63650.D	AC57466-005	03/02/11 16:32
2M63651.D	AC57466-006	03/02/11 16:47
2M63652.D	AC57466-009	03/02/11 17:03
2M63653.D	AC57466-008	03/02/11 17:19
2M63654.D	AC57466-007	03/02/11 17:35
2M63655.D	AC57442-001(T)	03/02/11 17:51
2M63656.D	AC57471-001(T)	03/02/11 18:07
2M63657.D	AC57462-001(MS)	03/02/11 18:23
2M63658.D	AC57462-001(MSD	03/02/11 18:38
2M63659.D	BLK	03/02/11 18:54
2M63660.D	AC57392-009	03/02/11 19:10
2M63661.D	AC57487-035	03/02/11 19:26
2M63662.D	AC57490-005	03/02/11 19:42
2M63663.D	AC57490-006	03/02/11 19:58
2M63664.D	BLK	03/02/11 20:13
2M63665.D	AC57531-003	03/02/11 20:29
2M63666.D	AC57531-004	03/02/11 20:45
2M63667.D	AC57531-005	03/02/11 21:01
2M63668.D	AC57531-006	03/02/11 21:16
2M63669.D	AC57531-007	03/02/11 21:32
2M63670.D	AC57531-009	03/02/11 21:48
2M63671.D	AC57531-010	03/02/11 22:04
2M63672.D	AC57531-011	03/02/11 22:19
2M63673.D	AC57487-022(40uL	03/02/11 22:35
2M63674.D	AC57487-024(40uL	03/02/11 22:51
2M63675.D	AC57487-026(40uL	03/02/11 23:07
2M63676.D	AC57487-028(40uL	03/02/11 23:22
2M63677.D	AC57487-030(40uL	03/03/11 06:58
2M63678.D	AC57487-034(40uL	03/03/11 07:14
2M63679.D	AC57487-032(40uL	03/03/11 07:30
2M63680.D	AC57512-001	03/03/11 07:46

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63682.D
Analysis Date: 03/03/11 08:08
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.040 to 4.050 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.0	1934	PASS
75	95	30	60	59.0	4959	PASS
95	95	100	100	100.0	8411	PASS
96	95	5	9	6.5	550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	5702	PASS
175	174	5	9	7.5	429	PASS
176	174	95	101	97.7	5571	PASS
177	176	5	9	6.3	351	PASS

Data File	Sample Number	Analysis Date:
2M63683.D	BLK	03/03/11 08:18
2M63684.D	CAL @ 20 PPB	03/03/11 08:28
2M63685.D	BLKHCL	03/03/11 08:49
2M63686.D	DAILY BLANK	03/03/11 09:05
2M63687.D	DAILY BLANK	03/03/11 09:21
2M63688.D	MBS6305	03/03/11 09:37
2M63689.D	MBS6307	03/03/11 09:53
2M63690.D	BLK	03/03/11 10:09
2M63691.D	AC57531-013	03/03/11 10:24
2M63692.D	AC57531-012	03/03/11 10:40
2M63693.D	AC57531-008	03/03/11 10:56
2M63694.D	AC57410-007	03/03/11 11:12
2M63695.D	AC57410-008	03/03/11 11:28
2M63696.D	AC57416-020	03/03/11 11:44
2M63697.D	AC57416-005	03/03/11 11:59
2M63698.D	AC57416-006	03/03/11 12:15
2M63699.D	AC57490-006	03/03/11 12:31
2M63700.D	AC57466-002	03/03/11 12:47
2M63701.D	AC57466-001(10X)	03/03/11 13:05
2M63702.D	AC57439-001(10X)	03/03/11 13:25
2M63703.D	AC57516-009(80uL	03/03/11 13:46
2M63704.D	AC57516-012(80uL	03/03/11 14:05
2M63705.D	AC57516-016(80uL	03/03/11 14:27
2M63706.D	AC57471-001(T:M	03/03/11 14:44
2M63707.D	AC57471-001(T:M	03/03/11 15:00
2M63708.D	AC57099-020(T)	03/03/11 15:16
2M63709.D	AC57097-020(T)	03/03/11 15:31
2M63710.D	EF-3-V1014(03011	03/03/11 15:47
2M63711.D	AC57099-019(T)	03/03/11 16:03
2M63712.D	AC57097-019(T)	03/03/11 16:19
2M63713.D	EF-3-V-1014(0302	03/03/11 16:35
2M63714.D	AC57516-013(80uL	03/03/11 16:51
2M63715.D	AC57516-014	03/03/11 17:06
2M63716.D	AC57516-015	03/03/11 17:22
2M63717.D	AC57516-007	03/04/11 06:22
2M63718.D	AC57516-008	03/04/11 06:38
2M63719.D	AC57516-010	03/04/11 06:54
2M63720.D	AC57516-011	03/04/11 07:10
2M63721.D	BLK	03/04/11 07:28
2M63722.D	BLK	03/04/11 07:44
2M63723.D	BLK	03/04/11 07:59

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65288.D Method: EPA 8260B

Analysis Date/Time: 02/02/11 11:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	193186	4.63	118546	6.19	52208	7.43						
Eval File Area Limit:	96593-386372		59273-237092		26104-104416							
Eval File Rt Limit:	4.13-5.13		5.69-6.69		6.93-7.93							

Data File	Sample						
6M65280.D	BLK	204397	4.63	125611	6.19	48978	7.42
6M65281.D	CAL @ 1 PPB	191308	4.63	122195	6.19	54405	7.42
6M65282.D	CAL @ 0.5 PF	189385	4.63	124189	6.19	54506	7.42
6M65283.D	CAL @ 5 PPB	191574	4.63	119535	6.19	54297	7.42
6M65284.D	CAL @ 500 P	167023	4.63	98229	6.19	43823	7.42
6M65285.D	CAL @ 250 P	168072	4.63	102970	6.19	45282	7.43
6M65286.D	CAL @ 100 P	169305	4.63	104594	6.19	46257	7.42
6M65287.D	CAL @ 50 PP	181367	4.63	112848	6.19	49873	7.42
6M65288.D	CAL @ 20 PP	193186	4.63	118546	6.19	52208	7.43
6M65289.D	CAL @ 10 PP	192199	4.63	116551	6.19	53791	7.42
6M65290.D	BLK	192752	4.63	122532	6.19	53285	7.43
6M65291.D	20 PPB	208021	4.64	125141	6.20	54524	7.43
6M65292.D	20 PPB	194943	4.63	115564	6.19	52131	7.43
6M65293.D	ICV	200287	4.63	122194	6.19	53417	7.43
6M65294.D	BLK	188681	4.63	120084	6.19	50571	7.43
6M65295.D	DAILY BLANK	188898	4.63	122105	6.19	52451	7.43
6M65296.D	DAILY BLANK	191921	4.63	124465	6.19	52602	7.43
6M65297.D	MBS5772	191046	4.63	116696	6.19	54512	7.43
6M65298.D	MBS5774	182973	4.63	115473	6.19	53239	7.43
6M65299.D	BLK	173239	4.63	113468	6.19	47871	7.43
6M65300.D	20ppb(1/31)	187082	4.63	116826	6.19	53959	7.43
6M65301.D	20ppb(2/1)	183103	4.63	112950	6.19	52673	7.42
6M65302.D	20ppb(2/1)	174426	4.63	111282	6.19	50271	7.43
6M65303.D	AC57073-002	169876	4.63	111757	6.19	46251	7.43
6M65304.D	AC57073-005	168558	4.63	112218	6.19	47361	7.42
6M65305.D	BLK	173701	4.63	113503	6.19	47455	7.42
6M65306.D	AC57073-009	175727	4.63	113929	6.19	47876	7.42
6M65307.D	AC57073-008	169983	4.63	111148	6.19	45901	7.42
6M65308.D	AC57073-007	175292	4.63	117457	6.19	48608	7.42
6M65309.D	BLK	209950	4.62	132277	6.17	51075	7.41

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M87526.D Method: EPA 8260B

Analysis Date/Time: 02/09/11 11:41

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	160825	4.55	140297	6.38	87304	7.81						
Eval File Area Limit:	80412-321650		70148-280594		43652-174608							
Eval File Rt Limit:	4.05-5.05		5.88-6.88		7.31-8.309999							

Data File	Sample											
3M87518.D	BLK	152643	4.55	125828	6.38	74239	7.80					
3M87519.D	CAL @ 1 PP	159695	4.55	135256	6.38	83426	7.80					
3M87520.D	CAL @ 0.5 P	153680	4.55	130221	6.38	76311	7.81					
3M87521.D	CAL @ 5 PPB	158070	4.55	128807	6.38	82853	7.80					
3M87522.D	CAL @ 500 P	169007	4.55	131837	6.38	75439	7.81					
3M87523.D	CAL @ 250 P	168608	4.55	139222	6.38	81764	7.81					
3M87524.D	CAL @ 100 P	165783	4.55	143148	6.38	86321	7.81					
3M87525.D	CAL @ 50 PP	163206	4.55	144450	6.38	88725	7.80					
3M87526.D	CAL @ 20 PP	160825	4.55	140297	6.38	87304	7.81					
3M87527.D	CAL @ 10 PP	166024	4.55	145224	6.38	89255	7.81					
3M87528.D	BLK	138649	4.55	120109	6.39	70971	7.81					
3M87529.D	ICV	171687	4.56	146775	6.39	92774	7.81					
3M87530.D	20 PPB	173285	4.55	147065	6.39	91516	7.81					
3M87531.D	DAILY BLANK	167303	4.56	144323	6.39	86313	7.81					
3M87532.D	DAILY BLANK	160508	4.55	142284	6.39	82027	7.81					
3M87533.D	1 PPB	162151	4.55	140404	6.39	84187	7.81					
3M87534.D	MBS5983	173623	4.56	146172	6.39	95156	7.81					
3M87535.D	BLK	165833	4.56	144970	6.39	82400	7.81					
3M87536.D	BLK	166037	4.56	141606	6.39	82487	7.81					
3M87537.D	MBS5993	172803	4.56	146145	6.39	93073	7.81					
3M87538.D	57040-001	165980	4.56	142045	6.39	86537	7.81					
3M87539.D	20 PPB	171090	4.55	148481	6.39	96020	7.81					
3M87540.D	AC57040-001	162818	4.55	136595	6.39	84564	7.81					
3M87541.D	AC57040-002	139156	4.55	111825	6.39	70794	7.81					
3M87542.D	AC57040-003	168017	4.55	135281	6.39	85001	7.81					
3M87543.D	20 PPB	158373	4.55	130882	6.39	84079	7.81					
3M87544.D	MBS5988	170435	4.55	147686	6.39	90194	7.81					
3M87545.D	57180-001	158234	4.56	140802	6.39	82729	7.81					
3M87546.D	57180-004	161189	4.55	136471	6.39	80277	7.81					
3M87547.D	BLK	161531	4.56	143232	6.40	83066	7.81					
3M87557.D	AC57080-001	174837	4.56	145534	6.39	95441	7.81					
3M87558.D	AC57080-001	175603	4.56	147430	6.39	93764	7.81					
3M87559.D	BLK	165159	4.56	144824	6.39	82820	7.82					
3M87565.D	BLK	165486	4.56	140731	6.40	81145	7.81					
3M87570.D	MBS5989	178454	4.56	139206	6.40	90516	7.81					
3M87571.D	BLK	166997	4.55	139809	6.39	86523	7.81					
3M87572.D	BLK	170747	4.56	138972	6.40	83205	7.81					
3M87573.D	BLK	85643	4.57	88315	6.41	76430	7.83					
3M87574.D	BLK	162349	4.56	136612	6.40	80046	7.82					
3M87575.D	BLK	170409	4.56	141882	6.39	81525	7.81					
3M87576.D	BLK	164103	4.56	135782	6.40	80626	7.81					
3M87577.D	BLK	164574	4.56	141096	6.40	81945	7.82					
3M87578.D	BLK	163940	4.56	141449	6.40	81509	7.82					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65417.D Method: EPA 8260B

Analysis Date/Time: 02/11/11 10:15

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	123527	4.62	83807	6.18	37127	7.41						
Eval File Area Limit:	61764-247054		41904-167614		18564-74254							
Eval File Rt Limit:	4.12-5.12		5.68-6.68		6.91-7.91							

Data File	Sample						
6M65416.D	20 PPB	126427	4.62	87026	6.18	37188	7.41
6M65418.D	BLKHCL	126861	4.62	88621	6.18	35630	7.42
6M65419.D	DAILY BLANK	124182	4.62	86788	6.18	35717	7.41
6M65420.D	DAILY BLANK	124312	4.62	87187	6.18	36480	7.42
6M65421.D	MBS6005	122108	4.62	85593	6.18	37059	7.41
6M65422.D	MBS6006	124457	4.62	86385	6.18	37623	7.42
6M65423.D	BLKJUG2	137182	4.62	93927	6.18	37216	7.42
6M65424.D	AC57228-004	121243	4.62	84657	6.18	35990	7.42
6M65425.D	AC57228-005	117515	4.62	81575	6.18	34431	7.42
6M65426.D	AC57229-001	118527	4.62	82287	6.18	35169	7.42
6M65427.D	AC57229-002	114904	4.62	81213	6.18	34837	7.42
6M65428.D	AC57232-003	117899	4.62	84694	6.18	39686	7.42
6M65429.D	AC57232-007	113540	4.62	81523	6.18	35998	7.42
6M65430.D	AC57232-008	115462	4.62	82115	6.18	36823	7.42
6M65431.D	AC57232-009	116952	4.62	84224	6.18	37812	7.42
6M65432.D	AC57199-001	119744	4.62	85803	6.18	37607	7.42
6M65433.D	BLK	120331	4.62	84206	6.18	37180	7.42
6M65434.D	AC57205-019	118910	4.63	84630	6.18	35633	7.42
6M65435.D	AC57205-020	118009	4.62	83170	6.18	35999	7.42
6M65436.D	AC57205-021	117509	4.63	84061	6.19	33989	7.42
6M65437.D	AC57205-022	113969	4.63	79914	6.18	34091	7.42
6M65438.D	AC57224-003	120557	4.62	86430	6.18	37609	7.42
6M65439.D	AC57224-004	121218	4.62	88653	6.18	43226	7.42
6M65440.D	AC57205-023	124066	4.62	87172	6.18	38368	7.42
6M65441.D	AC57205-024	115849	4.62	83243	6.18	35836	7.42
6M65442.D	AC57205-025	117870	4.63	84566	6.18	37437	7.42
6M65443.D	AC57205-026	119805	4.63	81899	6.18	33531	7.42
6M65444.D	AC57205-016	114387	4.62	79939	6.19	34083	7.42
6M65445.D	AC57205-015	120873	4.62	85308	6.18	36828	7.42
6M65446.D	AC57097-001(	120497	4.62	81875	6.18	36078	7.42
6M65447.D	AC57099-001(	115794	4.62	79893	6.18	34034	7.42
6M65448.D	EF-3-1014(2/1	121203	4.62	87474	6.18	36978	7.42
6M65449.D	AC57199-002	120000	4.62	79926	6.18	34779	7.42
6M65450.D	AC57216-001	117311	4.62	80524	6.18	35123	7.42
6M65451.D	AC57229-001(	117651	4.62	83836	6.18	36232	7.42
6M65452.D	AC57232-001	114198	4.62	81961	6.18	38397	7.42
6M65453.D	AC57232-002(	122464	4.62	87655	6.18	41309	7.42
6M65454.D	EF-1-V-10767	125009	4.62	85937	6.18	38406	7.42
6M65455.D	57224-007(80	121545	4.62	81968	6.18	37524	7.42
6M65456.D	57224-008	123914	4.62	86659	6.18	38697	7.42
6M65457.D	BLK	119275	4.62	84181	6.18	37475	7.42
6M65458.D	BLK	116277	4.62	80297	6.18	34848	7.42

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65522.D Method: EPA 8260B

Analysis Date/Time: 02/15/11 13:38

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	169379	4.62	119863	6.17	57089	7.41						
Eval File Area Limit:	84690-338758		59932-239726		28544-114178							
Eval File Rt Limit:	4.12-5.12		5.67-6.67		6.91-7.91							

Data File	Sample											
6M65520.D	BLK	163277	4.62	119960	6.18	49696	7.41					
6M65521.D	20 PPB	170537	4.62	121733	6.18	55393	7.41					
6M65523.D	BLK	160301	4.62	110948	6.18	45732	7.41					
6M65524.D	DAILY BLANK	149174	4.62	111987	6.17	47397	7.41					
6M65525.D	DAILY BLANK	146779	4.62	109242	6.18	45960	7.42					
6M65526.D	MBS6023	236844	4.61	115407	6.17	54341	7.41					
6M65527.D	MBS6024	176000	4.62	118350	6.17	56504	7.41					
6M65528.D	MBS6025	223334	4.62	105528	6.17	51575	7.41					
6M65529.D	AC57241-001(	150053	4.62	108190	6.17	51465	7.41					
6M65530.D	AC57241-001(	149803	4.62	105956	6.17	52854	7.41					
6M65531.D	MBS6026	143762	4.62	104217	6.17	52199	7.41					
6M65534.D	AC57274-001	148916	4.62	106306	6.17	47640	7.41					
6M65535.D	AC57273-001	141223	4.62	106254	6.18	49415	7.41					
6M65536.D	AC57213-001(	152270	4.62	111028	6.17	51588	7.41					
6M65537.D	AC57213-001(	151672	4.62	108041	6.17	49603	7.41					
6M65538.D	BLK	138032	4.62	104590	6.18	45011	7.41					
6M65541.D	AC57099-004(	139579	4.62	103169	6.17	47145	7.41					
6M65542.D	AC57097-004(	148341	4.62	105509	6.17	48884	7.41					
6M65543.D	AC57099-005(	148652	4.62	108155	6.17	47825	7.41					
6M65544.D	EF-3-1014(2/1	138838	4.62	102897	6.17	44813	7.41					
6M65545.D	EF-3-VO-SPL	147730	4.62	106984	6.17	47285	7.41					
6M65546.D	AC57097-005(	145187	4.62	108140	6.18	49104	7.41					
6M65547.D	BLK	145467	4.62	103651	6.17	44287	7.41					
6M65548.D	BLK	147326	4.62	111798	6.18	46631	7.41					
6M65549.D	524INTTEST	2540 A	4.62	94 A	6.18	546 A	7.63					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65640.D Method: EPA 8260B

Analysis Date/Time: 02/18/11 16:42

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	165941	4.63	98953	6.19	44491	7.43						
Eval File Area Limit:	82970-331882		49476-197906		22246-88982							
Eval File Rt Limit:	4.13-5.13		5.69-6.69		6.93-7.93							

Data File	Sample						
6M65641.D	DAILY BLANK	142511	4.64	92023	6.19	38669	7.43
6M65642.D	DAILY BLANK	141274	4.64	91842	6.19	37819	7.43
6M65643.D	MBS6063	144799	4.64	90972	6.19	41672	7.43
6M65644.D	MBS6064	138560	4.63	89284	6.19	41358	7.43
6M65645.D	AC57263-001(	127281	4.64	86853	6.19	37772	7.43
6M65646.D	AC57198-002(	127311	4.64	85137	6.19	37460	7.43
6M65647.D	AC57263-001(	128514	4.64	85033	6.19	37680	7.43
6M65648.D	AC57198-002(	130715	4.65	83003	6.21	35988	7.44
6M65649.D	AC57097-005(	134472	4.64	85090	6.20	39402	7.43
6M65650.D	AC57097-005(	134918	4.64	85108	6.19	38120	7.43
6M65651.D	EF-1-V-10853	124596	4.64	81781	6.20	35184	7.43
6M65652.D	EF-3-V-1014(	127210	4.64	81120	6.19	34660	7.43
6M65653.D	AC57294-001(	138146	4.64	88168	6.20	37888	7.43
6M65654.D	EF-3-V-1014(	126464	4.64	85568	6.19	38910	7.43
6M65655.D	AC57298-005(	132799	4.64	90773	6.19	38961	7.43
6M65656.D	EF-3-V-1014(	126683	4.64	82404	6.20	37170	7.43
6M65657.D	AC57099-006(	124037	4.64	79438	6.19	35860	7.43
6M65658.D	AC57099-007(	123924	4.64	82476	6.19	36365	7.43
6M65659.D	AC57099-008(	123905	4.64	82772	6.20	36201	7.43
6M65660.D	BLK	126861	4.64	80064	6.19	32609	7.43
6M65667.D	BLK	134058	4.63	87242	6.19	34809	7.43
6M65673.D	BLK	119495	4.64	79896	6.19	32140	7.43
6M65675.D	MBS6067	125423	4.63	77263	6.19	36004	7.42
6M65676.D	BLK	114827	4.64	76353	6.19	32216	7.43
6M65677.D	BLK	122244	4.63	79060	6.19	31390	7.42
6M65678.D	BLK	119527	4.64	73516	6.20	31442	7.43
6M65679.D	BLK	116173	4.63	77587	6.19	31541	7.42

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88070.D Method: EPA 8260B

Analysis Date/Time: 02/22/11 10:25

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	187011	4.56	167928	6.40	105364	7.81						
Eval File Area Limit:	93506-374022		83964-335856		52682-210728							
Eval File Rt Limit:	4.06-5.06		5.9-6.9		7.31-8.309999							

Data File	Sample											
3M88069.D	20 PPB	179027	4.56	153841	6.40	94935	7.81					
3M88071.D	BLKJUG2	175725	4.56	159172	6.39	91416	7.81					
3M88072.D	STDTEST	183190	4.56	167760	6.40	107810	7.81					
3M88073.D	DAILY BLANK	180725	4.56	161499	6.40	94463	7.81					
3M88074.D	MBS6079	178400	4.56	157507	6.39	102108	7.82					
3M88075.D	MBS6080	169753	4.56	156027	6.39	101159	7.82					
3M88076.D	AC57097-009(	160658	4.56	145440	6.39	90239	7.82					
3M88077.D	AC57097-010(	162186	4.56	145987	6.40	90460	7.82					
3M88078.D	AC57097-011(	167153	4.56	154680	6.40	94380	7.82					
3M88079.D	AC57099-009(	145361	4.57	133795	6.40	80022	7.82					
3M88080.D	AC57099-010(	164150	4.56	147776	6.40	88745	7.82					
3M88081.D	AC57099-011(	152195	4.56	139339	6.40	84407	7.82					
3M88082.D	EF-3-V-1014#	163407	4.56	151693	6.39	90974	7.82					
3M88083.D	DAILY BLANK	164589	4.56	148196	6.39	88873	7.82					
3M88084.D	MBS6081	160484	4.56	144067	6.40	97373	7.82					
3M88085.D	EF-3-V-1014#	161684	4.56	146568	6.40	86173	7.82					
3M88086.D	AC57375-001	159770	4.56	150782	6.39	96454	7.82					
3M88087.D	AC57375-002	156192	4.56	149177	6.39	94181	7.82					
3M88088.D	AC57375-003	156262	4.56	143771	6.39	93232	7.82					
3M88089.D	AC57375-006	158006	4.56	148028	6.40	94461	7.82					
3M88090.D	AC57375-008	158595	4.56	151468	6.40	97085	7.82					
3M88091.D	AC57375-010	127878	4.56	121198	6.40	80248	7.82					
3M88092.D	AC57375-011	159267	4.56	151286	6.40	91239	7.82					
3M88093.D	EF-3-V-1014#	172264	4.56	157017	6.39	98965	7.82					
3M88094.D	AC57372-001(	167725	4.56	152641	6.40	93948	7.82					
3M88095.D	AC57375-012(	166931	4.56	156459	6.39	97604	7.82					
3M88096.D	AC57375-005(	167242	4.56	156060	6.40	94938	7.82					
3M88097.D	AC57375-007(	147150	4.56	134898	6.39	80914	7.81					
3M88098.D	AC57375-009(	172605	4.56	150350	6.39	94058	7.81					
3M88099.D	AC57375-004(	154172	4.56	147331	6.40	90736	7.82					
3M88100.D	AC57375-013(	139383	4.56	125833	6.39	79461	7.81					
3M88101.D	BLK	162242	4.56	148501	6.39	94302	7.81					
3M88102.D	AC57097-010(	171651	4.56	160787	6.40	96189	7.81					
3M88103.D	AC57097-010(	173313	4.56	161305	6.39	98438	7.82					
3M88104.D	BLK	169360	4.56	154844	6.39	95500	7.81					
3M88105.D	BLK	171463	4.56	158180	6.40	95517	7.81					
3M88106.D	BLK	170397	4.56	156945	6.40	94928	7.81					
3M88107.D	BLK	169812	4.56	163706	6.40	95591	7.82					
3M88108.D	BLK	172549	4.56	164728	6.40	95977	7.82					
3M88109.D	BLK	170314	4.56	163217	6.40	94470	7.82					
3M88110.D	BLK	167775	4.56	160833	6.39	92101	7.82					
3M88111.D	BLK	171054	4.56	158144	6.40	93126	7.81					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M63428.D Method: EPA 8260B

Analysis Date/Time: 02/25/11 09:50

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	290099	4.31	236731	6.11	140124	7.51						
Eval File Area Limit:	145050-580198		118366-473462		70062-280248							
Eval File Rt Limit:	3.81-4.81		5.61-6.61		7.01-8.01							

Data File	Sample											
2M63419.D	BLK	286965	4.31	239856	6.11	148246	7.51					
2M63421.D	CAL @ 1 PPB	291245	4.31	236211	6.12	144702	7.51					
2M63422.D	CAL @ 0.5 P	242068	4.30	200023	6.11	119710	7.51					
2M63423.D	CAL @ 5 PPB	280920	4.31	226134	6.11	140212	7.51					
2M63424.D	CAL @ 500 P	289773	4.31	204920	6.11	110689	7.51					
2M63425.D	CAL @ 250 P	282226	4.31	210058	6.11	117095	7.51					
2M63426.D	CAL @ 100 P	294384	4.31	234082	6.11	131688	7.51					
2M63427.D	CAL @ 50 PP	293711	4.31	239585	6.11	134110	7.51					
2M63428.D	CAL @ 20 PP	290099	4.31	236731	6.11	140124	7.51					
2M63429.D	CAL @ 10 PP	260578	4.31	217825	6.11	124454	7.51					
2M63430.D	ICV	292330	4.31	236104	6.11	135613	7.51					
2M63431.D	BLK	302093	4.31	250064	6.11	140294	7.51					
2M63432.D	DAILY BLANK	266714	4.31	223018	6.12	121192	7.51					
2M63433.D	DAILY BLANK	279502	4.31	232184	6.12	133106	7.51					
2M63434.D	MBS6137	284865	4.31	228286	6.12	131726	7.51					
2M63435.D	BLK	262285	4.31	215523	6.12	126226	7.51					
2M63436.D	MBS6218	283309	4.31	223756	6.12	134814	7.51					
2M63437.D	MBS6219	254924	4.31	208565	6.12	121055	7.52					
2M63438.D	MBS6220	258648	4.31	209668	6.12	124723	7.51					
2M63439.D	MBS6221	271546	4.31	221932	6.12	134436	7.52					
2M63440.D	MBS6222	249243	4.31	210535	6.12	126897	7.52					
2M63441.D	MBS6223	285655	4.31	234900	6.12	136389	7.52					
2M63442.D	MBS6224	281832	4.31	233001	6.12	137683	7.52					
2M63443.D	MBS6225	258689	4.31	218209	6.12	125305	7.52					
2M63444.D	BLK	288771	4.31	239296	6.12	133981	7.51					
2M63445.D	AC57458-001	287780	4.31	234115	6.12	133463	7.52					
2M63446.D	AC57458-002	280661	4.31	233548	6.12	129458	7.52					
2M63447.D	AC57458-003	280159	4.31	230982	6.12	131583	7.51					
2M63448.D	AC57458-004	263199	4.31	209361	6.12	120784	7.51					
2M63449.D	AC57458-005	272038	4.31	217562	6.12	129998	7.51					
2M63450.D	BLK	292346	4.31	229192	6.12	137666	7.51					
2M63451.D	AC57476-001	269482	4.31	232860	6.11	132853	7.51					
2M63452.D	AC57476-002	279519	4.31	232372	6.11	129122	7.51					
2M63453.D	AC57476-003	270792	4.31	219200	6.11	123820	7.51					
2M63454.D	AC57476-004	252424	4.31	210505	6.11	119273	7.51					
2M63455.D	AC57476-005	274273	4.31	224492	6.11	129352	7.51					
2M63456.D	AC57476-006	259248	4.31	215020	6.10	120516	7.51					
2M63457.D	AC57476-007	257790	4.31	214223	6.11	121350	7.51					
2M63458.D	AC57476-008	247422	4.30	204584	6.11	120604	7.51					
2M63459.D	BLK	266414	4.30	232209	6.11	130717	7.50					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88288.D Method: EPA 8260B

Analysis Date/Time: 02/25/11 07:57

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	171858	4.58	163696	6.41	104429	7.84						
Eval File Area Limit:	85929-343716		81848-327392		52214-208858							
Eval File Rt Limit:	4.08-5.08		5.91-6.91		7.34-8.34							

Data File	Sample											
3M88289.D	BLKHCL	172348	4.58	155075	6.41	90537	7.84					
3M88290.D	DAILY BLANK	172703	4.58	155936	6.42	89571	7.84					
3M88291.D	DAILY BLANK	172127	4.58	154563	6.42	86079	7.85					
3M88292.D	MBS6131	173058	4.58	153368	6.42	103061	7.85					
3M88293.D	MBS6133	178744	4.59	158406	6.42	105581	7.84					
3M88294.D	MBS6135	172944	4.59	155512	6.42	104163	7.84					
3M88295.D	AC57379-006	161258	4.59	147954	6.43	92811	7.84					
3M88296.D	AC57431-001	163325	4.59	152488	6.43	93693	7.85					
3M88297.D	AC57426-001	165016	4.59	151738	6.43	98664	7.85					
3M88298.D	AC57426-002	167166	4.58	148626	6.42	98631	7.85					
3M88299.D	AC57426-003	161414	4.58	149182	6.42	93955	7.85					
3M88300.D	AC57431-001	0 A	0.00 R	376 A	6.43	465 A	7.86					
3M88301.D	AC57426-004	155503	4.59	148274	6.43	93424	7.85					
3M88302.D	AC57426-005	149240	4.59	141444	6.43	90194	7.85					
3M88303.D	AC57426-006	152936	4.59	144321	6.43	90471	7.85					
3M88304.D	AC57426-007	146394	4.59	139473	6.43	90531	7.86					
3M88305.D	AC57426-008	155687	4.59	142828	6.43	92042	7.86					
3M88306.D	AC57441-001	149481	4.59	138544	6.43	90170	7.85					
3M88307.D	AC57441-002	147976	4.59	140326	6.43	91451	7.86					
3M88308.D	AC57441-003	145663	4.59	136360	6.43	89303	7.86					
3M88309.D	AC57441-004	150360	4.59	135120	6.43	87673	7.85					
3M88310.D	AC57441-005	143967	4.59	133884	6.43	84991	7.86					
3M88311.D	AC57441-007	150499	4.59	135708	6.43	86761	7.86					
3M88312.D	AC57441-008	138429	4.59	133956	6.43	87846	7.86					
3M88313.D	AC57441-010	151088	4.59	140209	6.43	87247	7.85					
3M88314.D	AC57441-006	148135	4.59	139599	6.43	86302	7.85					
3M88315.D	AC57441-009	144120	4.58	141957	6.42	82346	7.85					
3M88316.D	AC57379-006	156272	4.59	141011	6.43	85941	7.85					
3M88317.D	AC57379-006	155821	4.59	139570	6.43	89791	7.85					
3M88318.D	BLK	156869	4.59	145167	6.42	89987	7.84					
3M88319.D	AC57099-015	156694	4.59	145177	6.42	90774	7.84					
3M88320.D	AC57097-015	161832	4.58	144921	6.42	91984	7.84					
3M88321.D	AC57097-014	161975	4.58	145824	6.42	93741	7.84					
3M88322.D	AC57099-014	162044	4.58	147132	6.42	92295	7.84					
3M88323.D	EF-3-V-1014#	141705	4.58	128911	6.42	79747	7.84					
3M88324.D	EF-3-V-1014#	160538	4.58	150144	6.42	93833	7.84					
3M88325.D	AC57364-004	169591	4.58	153093	6.41	98043	7.84					
3M88326.D	AC57364-003	166437	4.58	154853	6.41	93750	7.83					
3M88327.D	AC57364-002	171690	4.58	155637	6.41	97487	7.83					
3M88328.D	AC57364-001	164738	4.57	149891	6.41	92884	7.83					
3M88329.D	AC57280-006	175204	4.57	153168	6.41	97797	7.83					
3M88330.D	AC57280-006	176026	4.57	152220	6.41	96569	7.83					
3M88331.D	BLK	176629	4.57	153853	6.41	92516	7.83					
3M88332.D	BLK	175145	4.57	152522	6.41	91285	7.83					
3M88333.D	BLK	170786	4.57	150477	6.41	90732	7.83					
3M88334.D	MBS6232	177994	4.57	151106	6.41	98393	7.83					
3M88335.D	BLK	175085	4.57	150071	6.40	90308	7.83					
3M88346.D	BLK	177809	4.57	153499	6.40	90908	7.83					
3M88352.D	MBS6233	183283	4.57	157819	6.40	102523	7.82					
3M88353.D	BLK	178778	4.56	151143	6.40	86663	7.82					
3M88358.D	BLK	182144	4.56	161055	6.40	89364	7.82					
3M88360.D	AC57280-007	192712	4.56	162908	6.40	100132	7.82					
3M88361.D	AC57280-007	188406	4.56	158218	6.39	102877	7.82					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88288.D Method: EPA 8260B

Analysis Date/Time: 02/25/11 07:57

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	171858	4.58	163696	6.41	104429	7.84						
Eval File Area Limit:	85929-343716		81848-327392		52214-208858							
Eval File Rt Limit:	4.08-5.08		5.91-6.91		7.34-8.34							

Data File	Sample						
3M88362.D	BLK	182260	4.56	161388	6.40	90604	7.81
3M88363.D	BLK	177316	4.56	151732	6.40	88461	7.81
3M88364.D	MBS6234	189552	4.56	161734	6.40	104061	7.82
3M88365.D	BLK	180282	4.56	154452	6.40	90326	7.82
3M88375.D	BLK	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
3M88376.D	BLK	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R
3M88377.D	BLK	15133 A	4.44	0 A	0.00 R	0 A	0.00 R
3M88378.D	BLK	717770 A	4.57	629217 A	6.40	374900 A	7.82
3M88379.D	BLK	298781	4.57	257537	6.40	151971	7.82

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M63642.D Method: EPA 8260B

Analysis Date/Time: 03/02/11 14:16

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	258299	4.29	215519	6.09	130264	7.49						
Eval File Area Limit:	129150-516598		107760-431038		65132-260528							
Eval File Rt Limit:	3.79-4.79		5.59-6.59		6.99-7.99							

Data File	Sample											
2M63641.D	BLKJUG3	239177	4.29	211204	6.09	121097	7.49					
2M63643.D	BLK	249652	4.29	212370	6.09	124388	7.49					
2M63644.D	DAILY BLANK	226505	4.29	195941	6.09	117195	7.49					
2M63645.D	DAILY BLANK	266731	4.29	223398	6.09	123085	7.49					
2M63646.D	MBS6292	239085	4.28	197369	6.09	119560	7.49					
2M63647.D	MBS6293	264188	4.29	225224	6.09	125241	7.49					
2M63648.D	BLK	243100	4.29	201374	6.09	113866	7.49					
2M63650.D	AC57466-005	246593	4.29	211055	6.09	119508	7.49					
2M63651.D	AC57466-006	231963	4.29	194332	6.09	109862	7.49					
2M63652.D	AC57466-009	251537	4.28	211258	6.09	121277	7.48					
2M63653.D	AC57466-008	239229	4.28	200970	6.09	114871	7.48					
2M63654.D	AC57466-007	243465	4.28	202856	6.09	116436	7.48					
2M63655.D	AC57442-001(	248828	4.28	224174	6.09	135060	7.48					
2M63656.D	AC57471-001(	255942	4.28	222337	6.09	129061	7.48					
2M63657.D	AC57462-001(	267369	4.28	221861	6.09	138434	7.48					
2M63658.D	AC57462-001(	264371	4.28	226797	6.09	136235	7.48					
2M63659.D	BLK	256382	4.28	218756	6.09	130607	7.48					
2M63660.D	AC57392-009	256900	4.28	226512	6.09	134704	7.48					
2M63661.D	AC57487-035	241728	4.28	206580	6.09	126477	7.48					
2M63662.D	AC57490-005	239689	4.28	207699	6.09	127256	7.48					
2M63663.D	AC57490-006	258559	4.28	216467	6.09	131755	7.48					
2M63664.D	BLK	259788	4.28	223337	6.09	136249	7.48					
2M63665.D	AC57531-003	254264	4.28	219370	6.09	127304	7.48					
2M63666.D	AC57531-004	267208	4.28	221453	6.09	132267	7.48					
2M63667.D	AC57531-005	262225	4.28	225565	6.09	136832	7.48					
2M63668.D	AC57531-006	251456	4.28	212386	6.08	128952	7.48					
2M63669.D	AC57531-007	234327	4.28	201859	6.09	120772	7.48					
2M63670.D	AC57531-009	268133	4.28	222848	6.09	136197	7.48					
2M63671.D	AC57531-010	264718	4.28	222630	6.09	131469	7.48					
2M63672.D	AC57531-011	264586	4.28	218968	6.09	136756	7.48					
2M63673.D	AC57487-022(	259752	4.28	214390	6.09	131965	7.48					
2M63674.D	AC57487-024(	289211	4.28	235484	6.09	145431	7.48					
2M63675.D	AC57487-026(	287102	4.28	244255	6.09	142134	7.48					
2M63676.D	AC57487-028(	281559	4.28	237274	6.09	143736	7.48					
2M63677.D	AC57487-030(	282859	4.28	247232	6.08	152246	7.47					
2M63678.D	AC57487-034(	298545	4.28	256600	6.08	155685	7.47					
2M63679.D	AC57487-032(	282994	4.28	245139	6.08	146568	7.47					
2M63680.D	AC57512-001	277772	4.27	230901	6.08	140007	7.47					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorohenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M63684.D Method: EPA 8260B

Analysis Date/Time: 03/03/11 08:28

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	286529	4.28	251684	6.08	155165	7.47						
Eval File Area Limit:	143264-573058		125842-503368		77582-310330							
Eval File Rt Limit:	3.78-4.78		5.58-6.58		6.97-7.97							

Data File	Sample											
2M63683.D	BLK	0	0.00	0	0.00	0	0.00					
2M63685.D	BLKHCL	279788	4.28	244526	6.08	148783	7.47					
2M63686.D	DAILY BLANK	292316	4.27	249642	6.08	150908	7.47					
2M63687.D	DAILY BLANK	294312	4.28	254367	6.08	152658	7.47					
2M63688.D	MBS6305	301731	4.27	251167	6.08	156904	7.47					
2M63689.D	MBS6307	297234	4.28	247547	6.08	149301	7.47					
2M63690.D	BLK	277795	4.28	227471	6.08	134941	7.47					
2M63691.D	AC57531-013	274119	4.28	227728	6.08	134297	7.47					
2M63692.D	AC57531-012	277827	4.28	232111	6.08	140271	7.47					
2M63693.D	AC57531-008	285536	4.28	234446	6.08	138198	7.47					
2M63694.D	AC57410-007	278685	4.28	234390	6.08	140731	7.47					
2M63695.D	AC57410-008	276569	4.28	225219	6.08	141964	7.47					
2M63696.D	AC57416-020	253414	4.28	217693	6.08	130125	7.47					
2M63697.D	AC57416-005	259385	4.28	220119	6.08	134114	7.47					
2M63698.D	AC57416-006	260881	4.28	224795	6.08	132364	7.47					
2M63699.D	AC57490-006	245926	4.28	211936	6.08	125313	7.47					
2M63700.D	AC57466-002	256163	4.28	222104	6.08	133617	7.47					
2M63701.D	AC57466-001	212574	4.27	189685	6.07	114033	7.47					
2M63702.D	AC57439-001	231992	4.27	197323	6.08	126764	7.47					
2M63703.D	AC57516-009	219804	4.26	205901	6.08	123245	7.47					
2M63704.D	AC57516-012	221477	4.27	212434	6.08	132147	7.47					
2M63705.D	AC57516-016	251100	4.27	231420	6.08	145995	7.47					
2M63706.D	AC57471-001	291401	4.28	246893	6.08	144828	7.47					
2M63707.D	AC57471-001	271574	4.28	232493	6.07	139609	7.47					
2M63708.D	AC57099-020	284997	4.27	244058	6.08	144308	7.47					
2M63709.D	AC57097-020	267945	4.27	228822	6.08	137836	7.47					
2M63710.D	EF-3-V1014(0	257465	4.28	216371	6.07	129313	7.47					
2M63711.D	AC57099-019	276580	4.27	232221	6.08	138943	7.47					
2M63712.D	AC57097-019	261701	4.27	227080	6.08	137685	7.47					
2M63713.D	EF-3-V-1014(	263890	4.27	225669	6.08	133552	7.47					
2M63714.D	AC57516-013	262604	4.27	229659	6.08	138220	7.47					
2M63715.D	AC57516-014	218414	4.27	207669	6.08	125072	7.47					
2M63716.D	AC57516-015	241127	4.26	213997	6.08	130965	7.47					
2M63717.D	AC57516-007	292605	4.27	262358	6.08	166173	7.47					
2M63718.D	AC57516-008	278921	4.27	247566	6.08	154631	7.47					
2M63719.D	AC57516-010	293194	4.27	259186	6.08	149581	7.47					
2M63720.D	AC57516-011	288506	4.27	246318	6.08	142562	7.47					
2M63721.D	BLK	317642	4.27	273269	6.08	158998	7.47					
2M63722.D	BLK	315852	4.28	259242	6.08	149782	7.47					
2M63723.D	BLK	306506	4.27	255378	6.08	148640	7.47					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

SPLP
GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-001(T)
Client Id: ISSS3 small monolith (1st)
Data File: 6M65446.D
Analysis Date: 02/11/11 18:27
Date Rec/Extracted: 02/03/11-02/11/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**5.3**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**5.8**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**1.4**	**136777612**	**m&p-Xylenes**	**0.75**	**7.3**
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**7.8**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	**95-47-6**	**o-Xylene**	**0.54**	**4.3**
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	**108-88-3**	**Toluene**	**0.40**	**1.5**
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	**Benzene**	**0.37**	**1.3**	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**2.5**	**1330-20-7**	**Xylenes (Total)**	**0.54**	**11.6**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

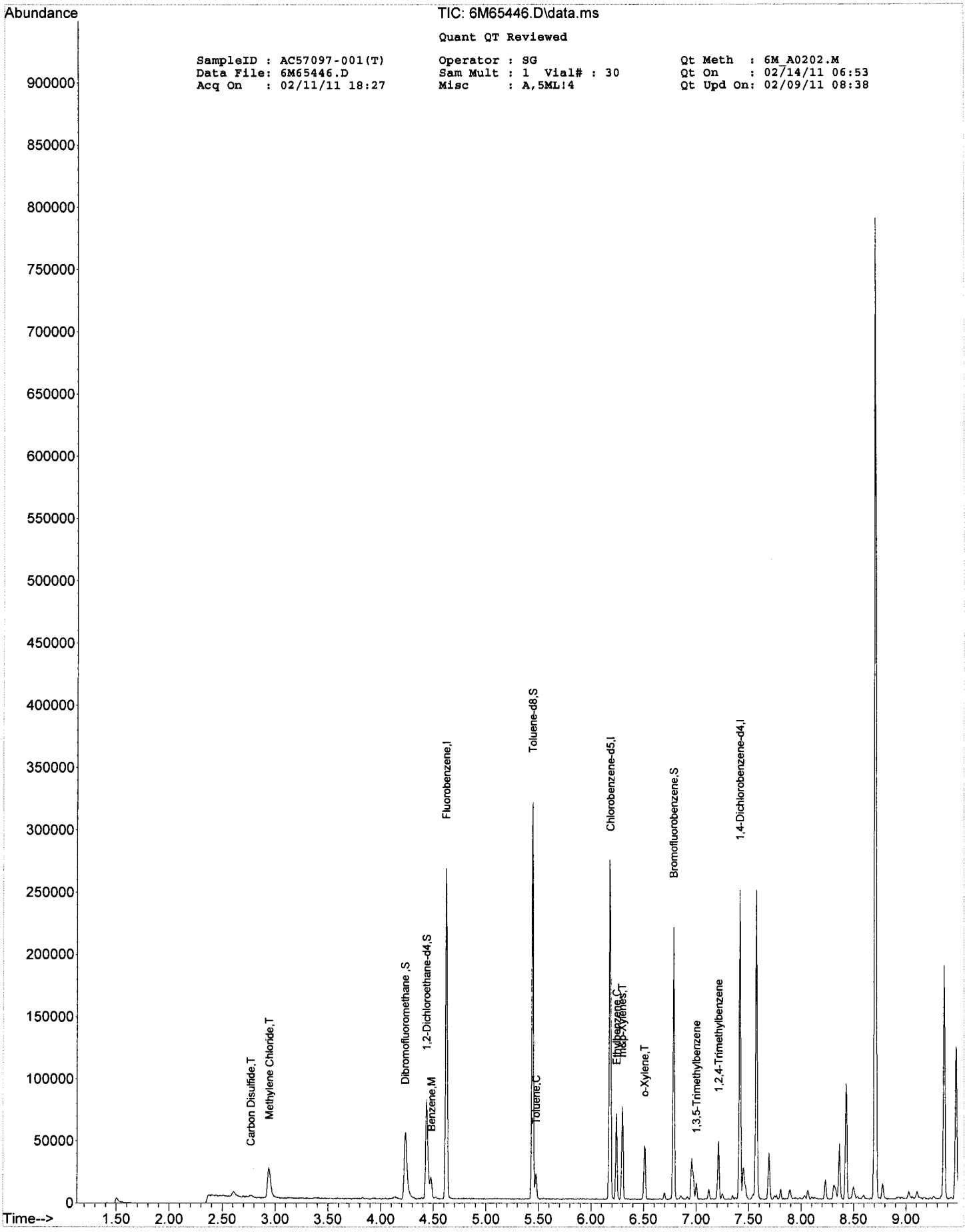
Quantitation Report (QT Reviewed)

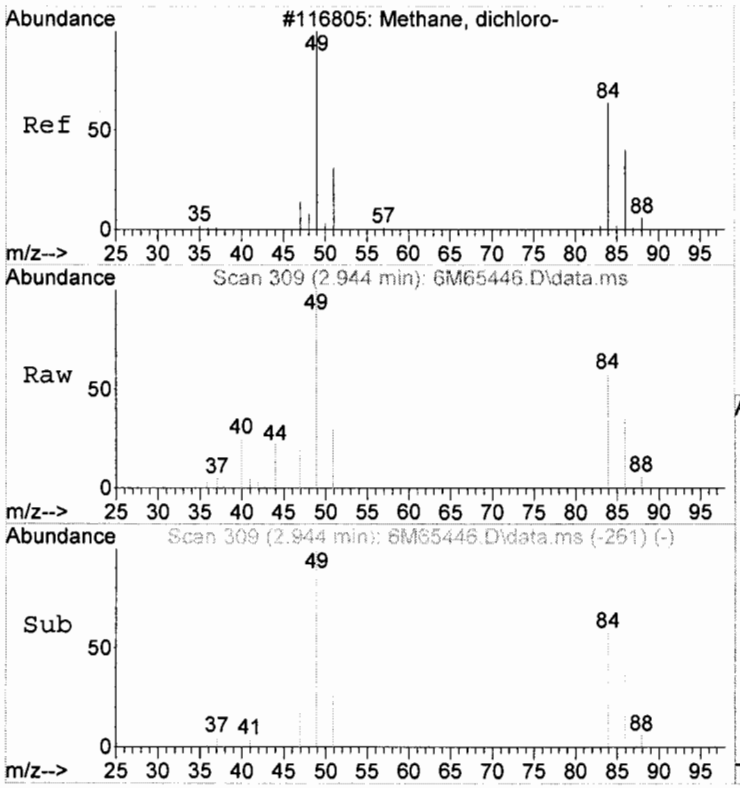
SampleID : AC57097-001(T) Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65446.D Sam Mult : 1 Vial# : 30 Qt On : 02/14/11 06:53
Acq On : 02/11/11 18:27 Misc : A,5ML!4 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	120497	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.184	117	81875	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.416	152	36078	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	34859	31.74	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.80%			
38) 1,2-Dichloroethane-d4	4.435	67	23699	30.60	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.00%			
65) Toluene-d8	5.444	98	113912	28.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.70%			
75) Bromofluorobenzene	6.785	174	30953	31.32	ug/l	-0.01
Spiked Amount 30.000			Recovery = 104.40%			
Target Compounds						Qvalue
15) Methylene Chloride	2.944	84	10876	7.81	ug/l	79
20) Carbon Disulfide	2.770	76	2708m	2.51	ug/l	
49) Benzene	4.483	78	5827	1.33	ug/l	100
66) Toluene	5.475	92	4183	1.53	ug/l	81
73) Ethylbenzene	6.244	106	7243	5.80	ug/l	92
77) m&p-Xylenes	6.298	106	10436	7.32	ug/l	94
78) o-Xylene	6.508	106	5932	4.30	ug/l	94
92) 1,3,5-Trimethylbenzene	7.001	105	3802	1.40	ug/l	93
95) 1,2,4-Trimethylbenzene	7.212	105	15325	5.26	ug/l	92

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

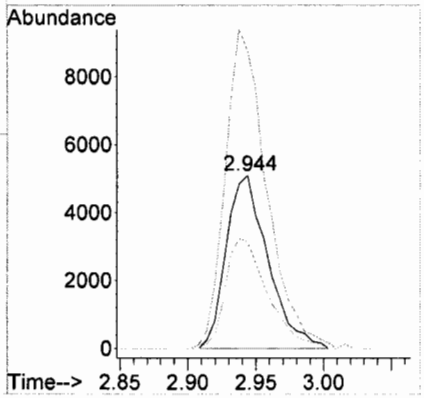

Abundance
TIC: 6M65446.D\data.ms
Quant QT Reviewed
SampleID : AC57097-001(T)
Data File: 6M65446.D
Acq On : 02/11/11 18:27
Operator : SG
Sam Mult : 1 Vial# : 30
Misc : A,5ML:4
Qt Meth : 6M_A0202.M
Qt On : 02/14/11 06:53
Qt Upd On: 02/09/11 08:38
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
1.50
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
Carbon Disulfide,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I

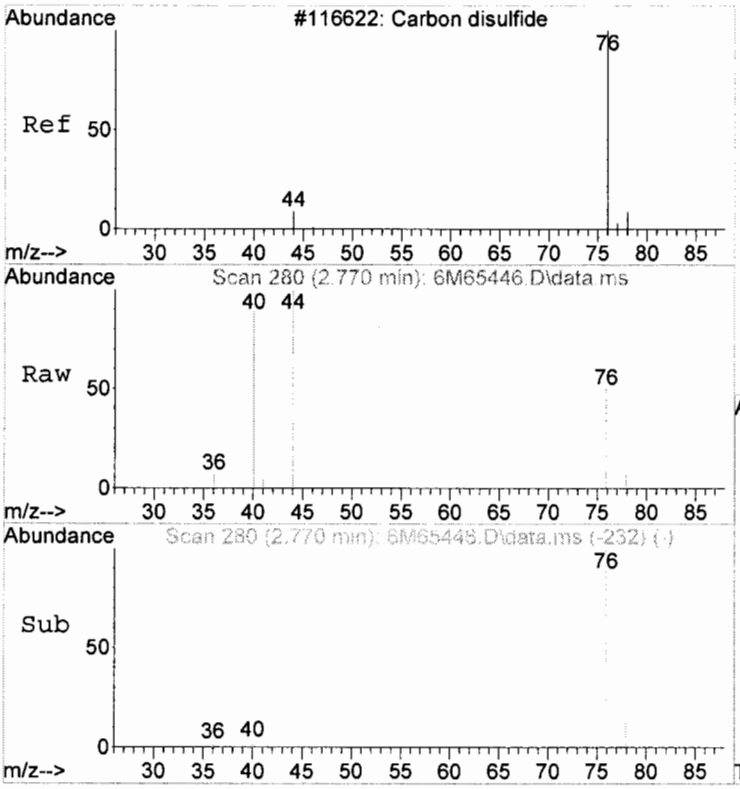


#15
Methylene Chloride
Concen: 7.81 ug/l
RT: 2.944 min Scan# 309
Delta R.T. -0.013 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion: 84 Resp: 10876

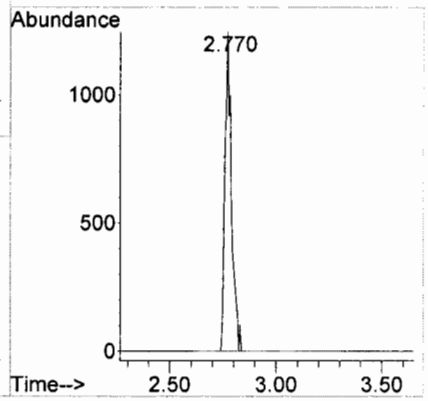
Ion	Ratio	Lower	Upper
84	100		
49	172.4	56.4	225.6
86	61.4	28.0	112.0

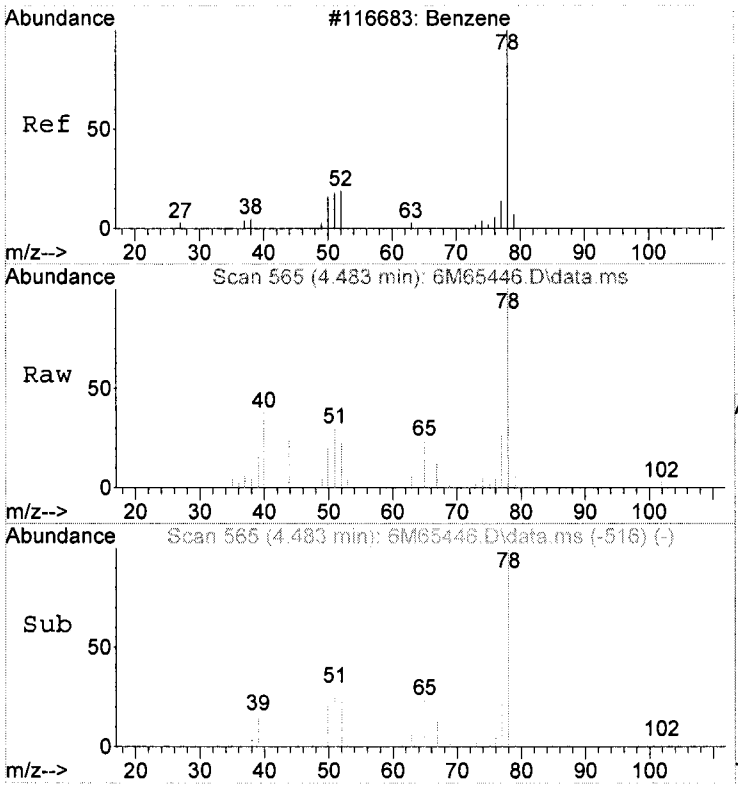




#20
Carbon Disulfide
Concen: 2.51 ug/l m
RT: 2.770 min Scan# 280
Delta R.T. -0.012 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

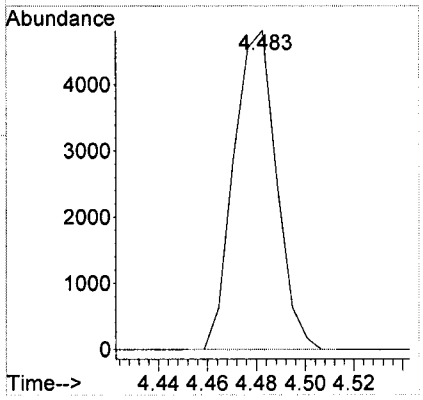
Tgt Ion: 76 Resp: 2708

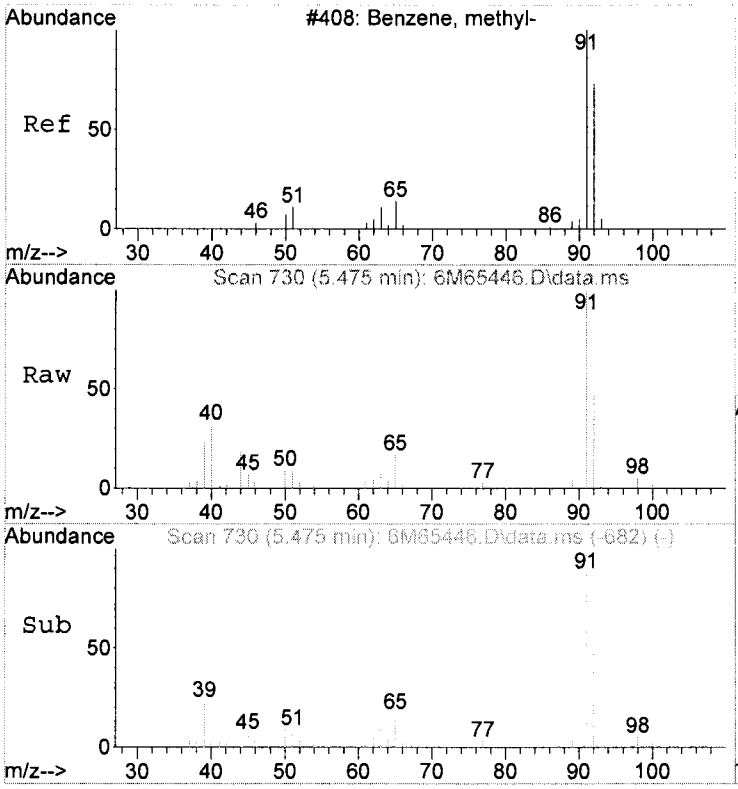




#49
Benzene
Concen: 1.33 ug/l
RT: 4.483 min Scan# 565
Delta R.T. -0.007 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion: 78 Resp: 5827

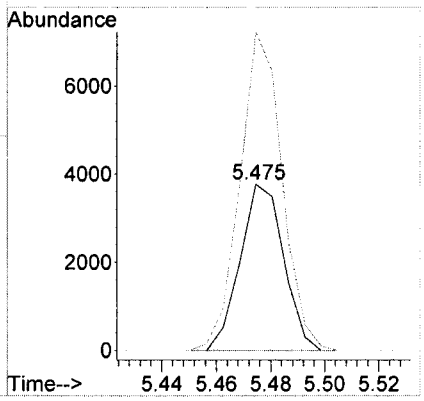


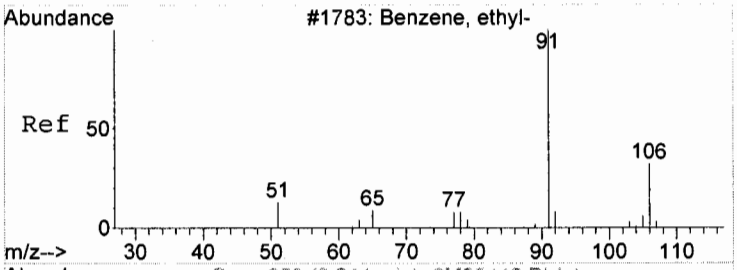


#66
Toluene
Concen: 1.53 ug/l
RT: 5.475 min Scan# 730
Delta R.T. -0.013 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion: 92 Resp: 4183

Ion	Ratio	Lower	Upper
92	100		
91	191.6	99.4	231.8

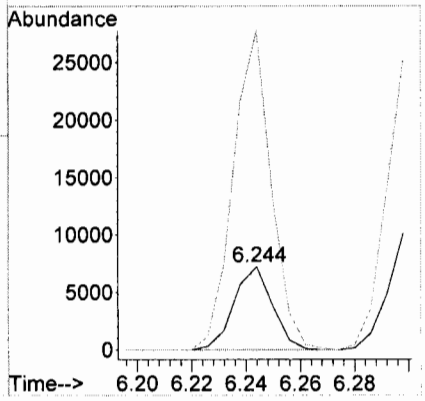


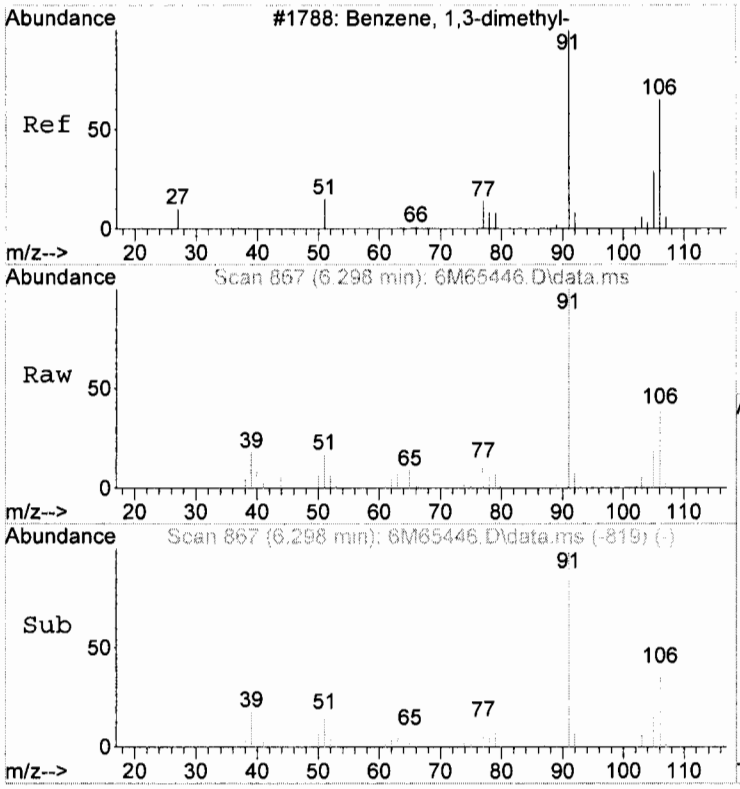


#73
Ethylbenzene
Concen: 5.80 ug/l
RT: 6.244 min Scan# 858
Delta R.T. -0.006 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion:106 Resp: 7243

Ion	Ratio	Lower	Upper
106	100		
91	383.2	219.2	511.6

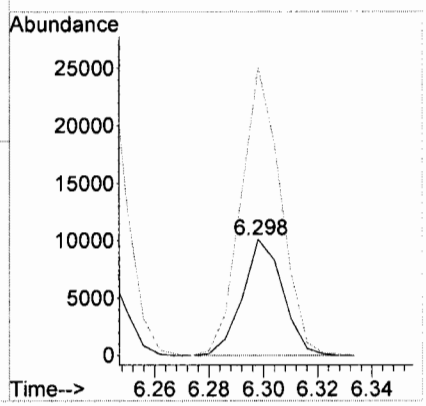


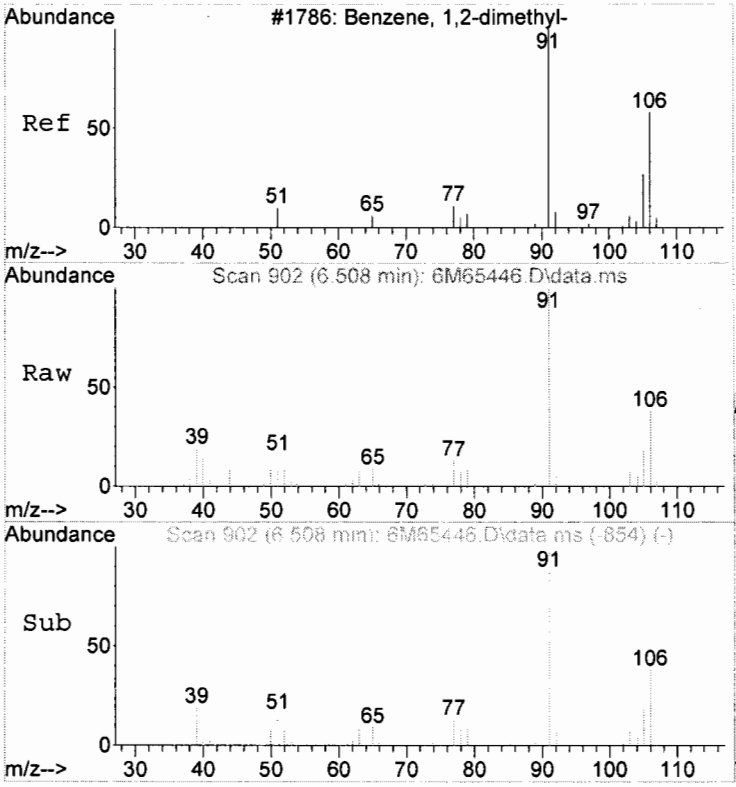


#77
m&p-Xylenes
Concen: 7.32 ug/l
RT: 6.298 min Scan# 867
Delta R.T. -0.012 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion:106 Resp: 10436

Ion	Ratio	Lower	Upper
106	100		
91	247.9	142.4	332.2

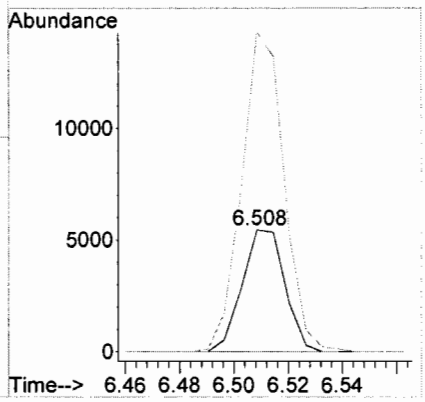


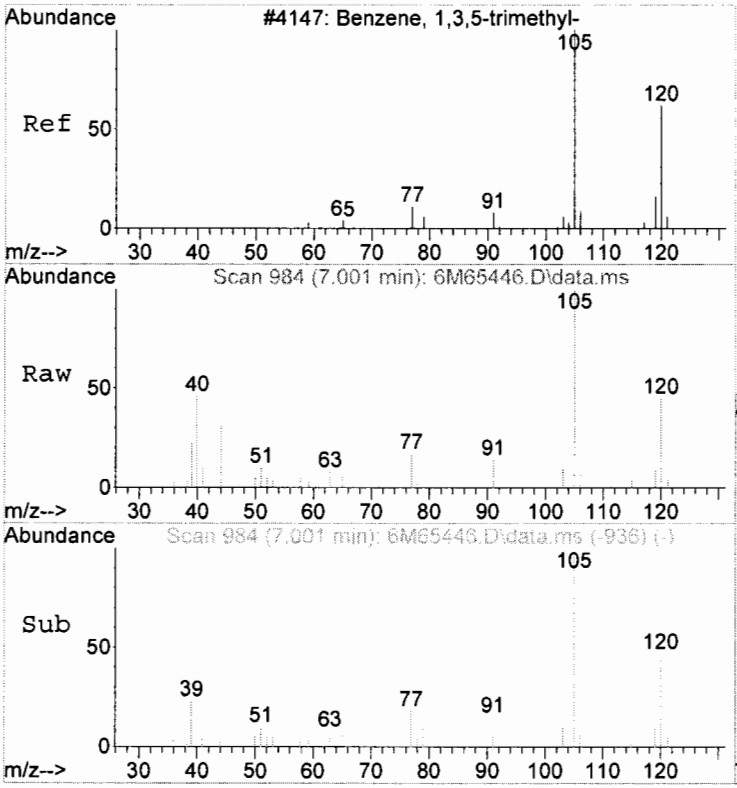


#78
o-Xylene
Concen: 4.30 ug/l
RT: 6.508 min Scan# 902
Delta R.T. -0.013 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion:106 Resp: 5932

Ion	Ratio	Lower	Upper
106	100		
91	262.5	164.4	383.6

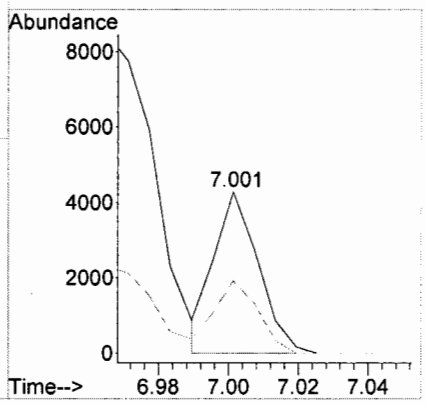


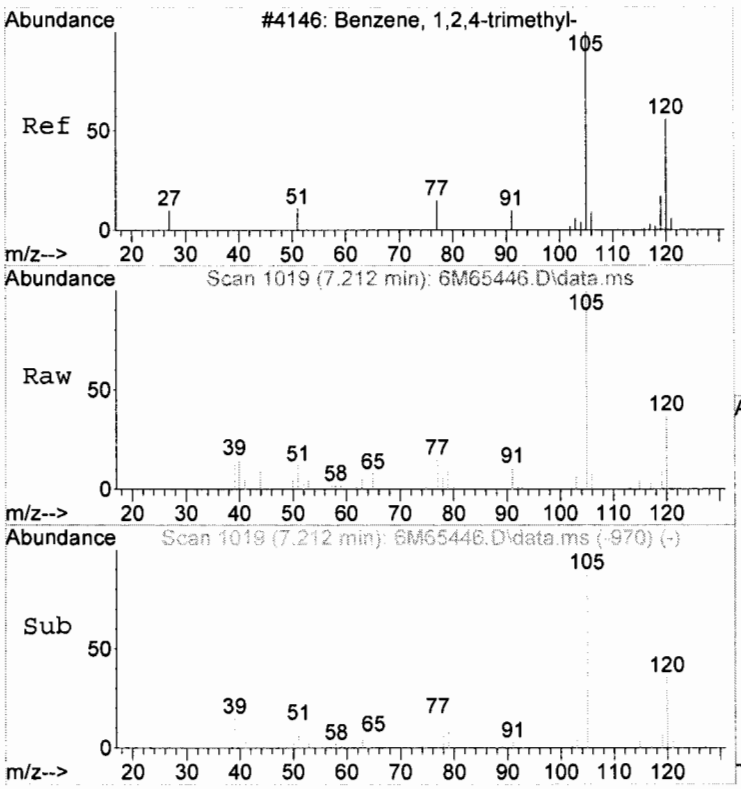


#92
1,3,5-Trimethylbenzene
Concen: 1.40 ug/l
RT: 7.001 min Scan# 984
Delta R.T. -0.012 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion:105 Resp: 3802

Ion	Ratio	Lower	Upper
105	100		
120	44.1	0.0	80.0

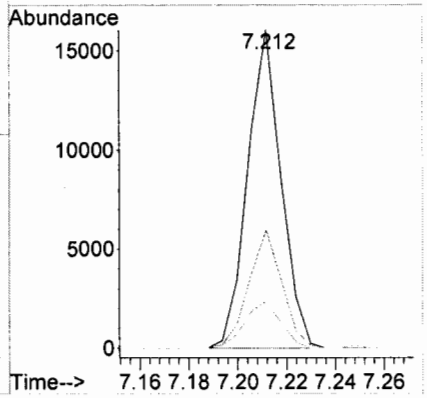




#95
1,2,4-Trimethylbenzene
Concen: 5.26 ug/l
RT: 7.212 min Scan# 1019
Delta R.T. -0.006 min
Lab File: 6M65446.D
Acq: 11 Feb 2011 18:27

Tgt Ion:105 Resp: 15325

Ion	Ratio	Lower	Upper
105	100		
120	37.0	3.2	83.2
77	15.7	0.0	57.5



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-005(T)
Client Id: ISSS3 small monolith (5th)
Data File: 6M65546.D
Analysis Date: 02/15/11 20:29
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**2.0**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**2.6**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**0.65 J**	**136777612**	**m&p-Xylenes**	**0.75**	**2.9**
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**16**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	**95-47-6**	**o-Xylene**	**0.54**	**1.6**
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	**108-88-3**	**Toluene**	**0.40**	**0.69 J**
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	**Benzene**	**0.37**	**0.65**	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**1.9**	**1330-20-7**	**Xylenes (Total)**	**0.54**	**4.5**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

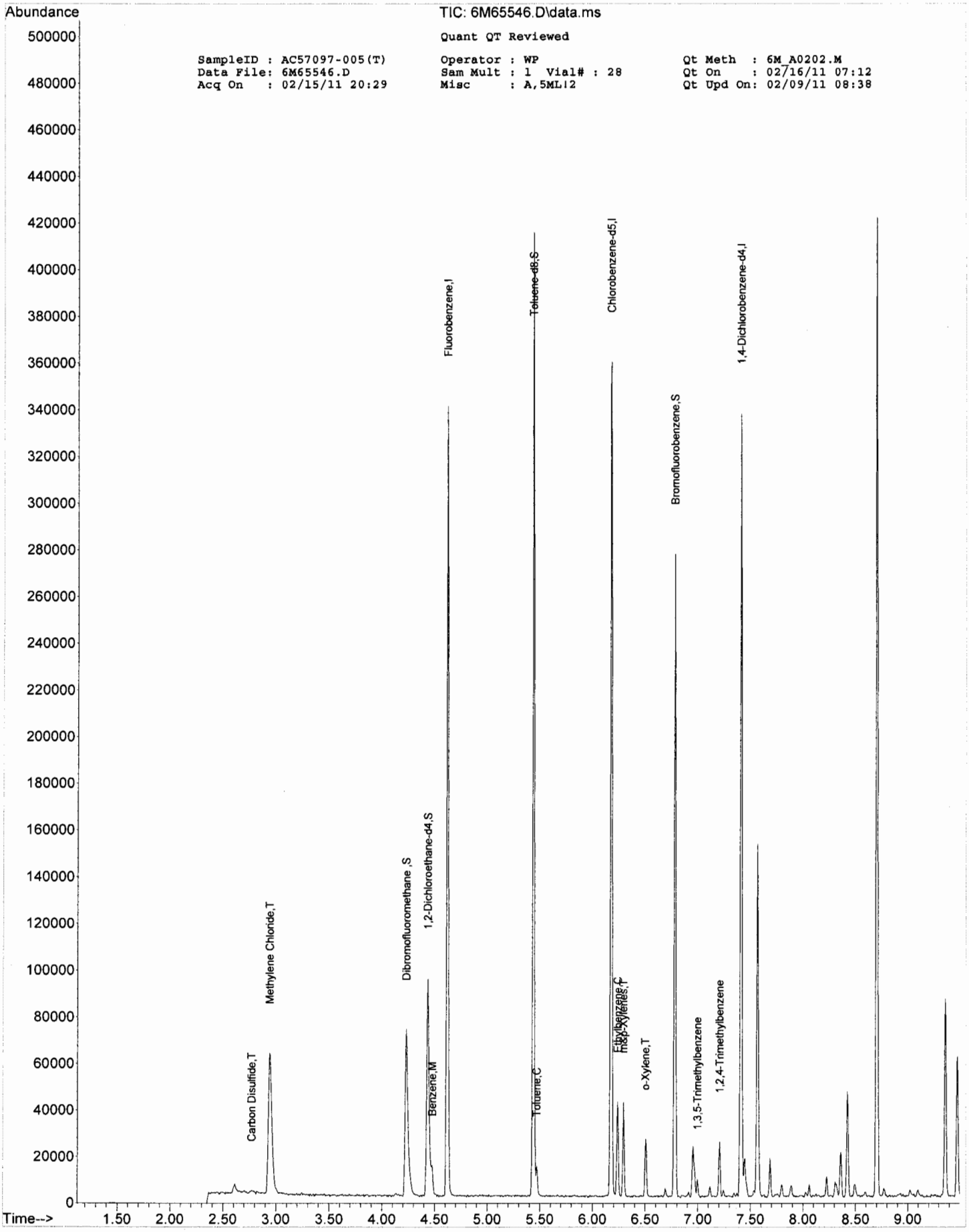
Quantitation Report (QT Reviewed)

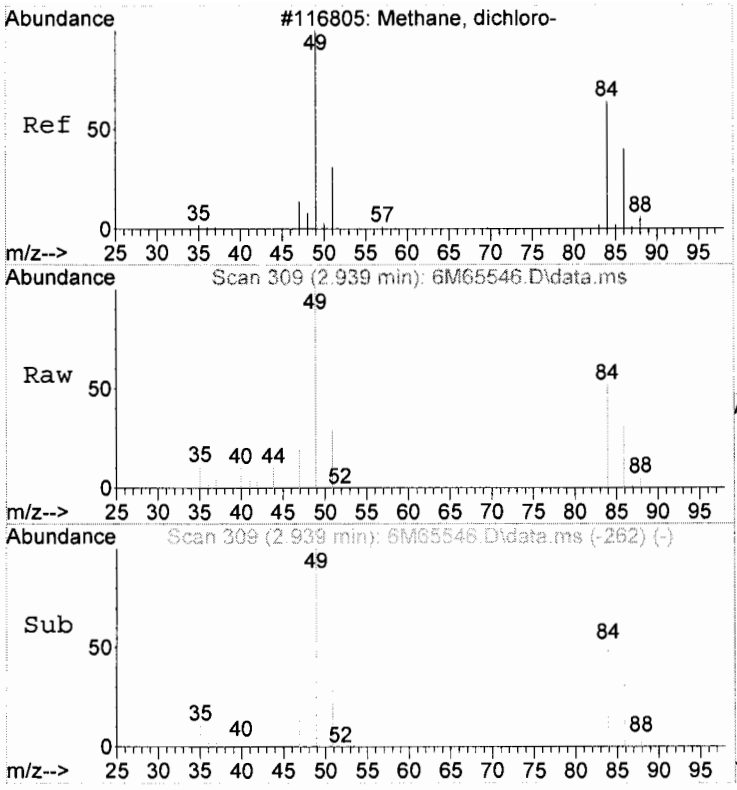
SampleID : AC57097-005(T) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65546.D Sam Mult : 1 Vial# : 28 Qt On : 02/16/11 07:12
Acq On : 02/15/11 20:29 Misc : A,5ML!2 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	145187	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.179	117	108140	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.411	152	49104	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.231	111	44297	33.47	ug/l	-0.02
Spiked Amount 30.000			Recovery = 111.57%			
38) 1,2-Dichloroethane-d4	4.435	67	29535	31.65	ug/l	-0.01
Spiked Amount 30.000			Recovery = 105.50%			
65) Toluene-d8	5.439	98	140679	26.29	ug/l	-0.01
Spiked Amount 30.000			Recovery = 87.63%			
75) Bromofluorobenzene	6.780	174	41272	30.68	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.27%			
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	27361	16.30	ug/l	68
20) Carbon Disulfide	2.770	76	1351	1.90	ug/l	100
49) Benzene	4.477	78	3400	0.65	ug/l	100
66) Toluene	5.469	92	2505	0.69	ug/l	80
73) Ethylbenzene	6.239	106	4441	2.61	ug/l	98
77) m&p-Xylenes	6.293	106	5654	2.91	ug/l	91
78) o-Xylene	6.503	106	3105	1.65	ug/l	85
92) 1,3,5-Trimethylbenzene	6.996	105	2420	0.65	ug/l	85
95) 1,2,4-Trimethylbenzene	7.207	105	8132	2.05	ug/l	91

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

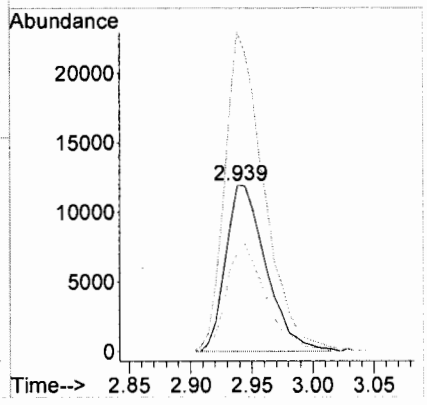

Abundance
TIC: 6M65546.D\data.ms
Quant QT Reviewed
SampleID : AC57097-005(T)
Data File: 6M65546.D
Acq On : 02/15/11 20:29
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : A,5ML;2
Qt Meth : 6M_A0202.M
Qt On : 02/16/11 07:12
Qt Upd On: 02/09/11 08:38
Carbon Disulfide,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene,C
Toluene-d8,S
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,C
o-Xylene,T
Bromofluorobenzene,S
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

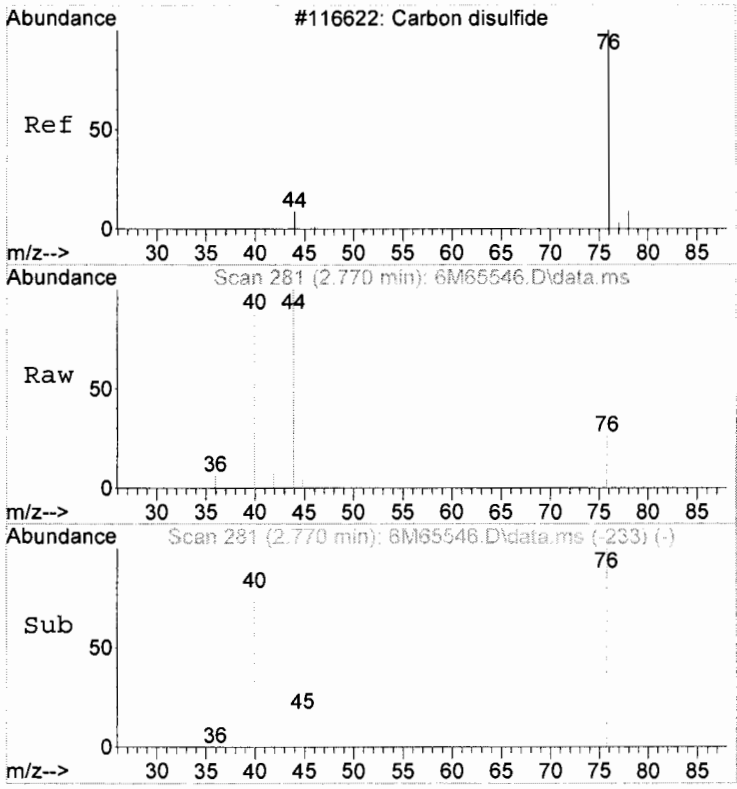


#15
Methylene Chloride
Concen: 16.30 ug/l
RT: 2.939 min Scan# 309
Delta R.T. -0.018 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion: 84 Resp: 27361

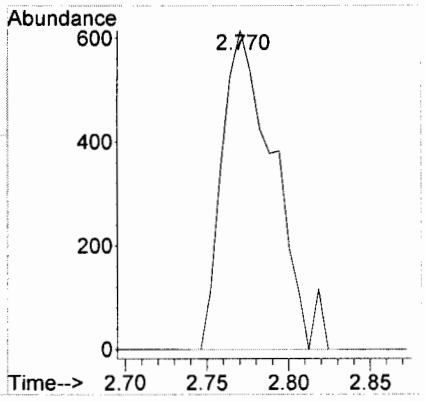
Ion	Ratio	Lower	Upper
84	100		
49	191.4	56.4	225.6
86	58.7	28.0	112.0

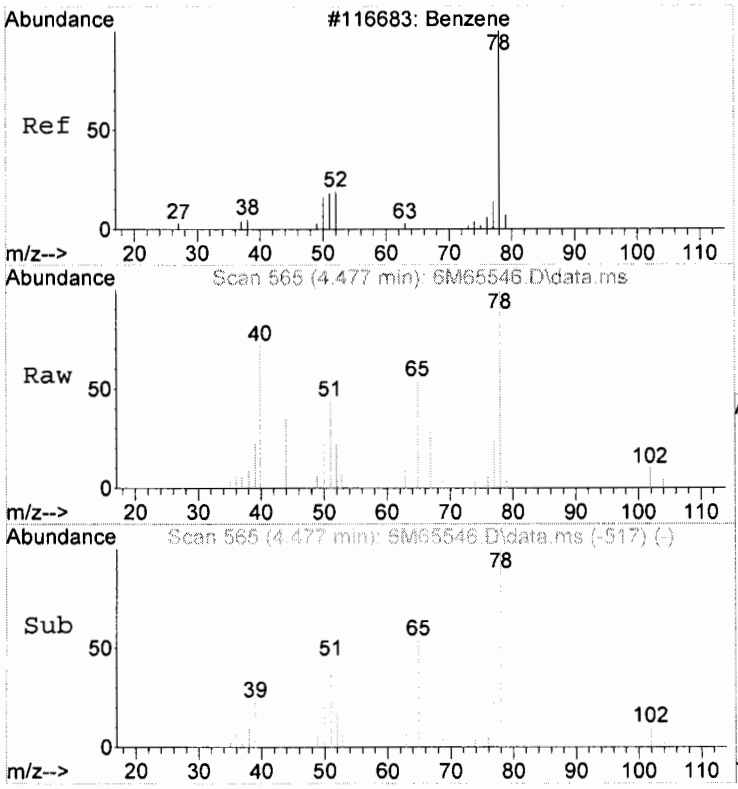




#20
Carbon Disulfide
Concen: 1.90 ug/l
RT: 2.770 min Scan# 281
Delta R.T. -0.012 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

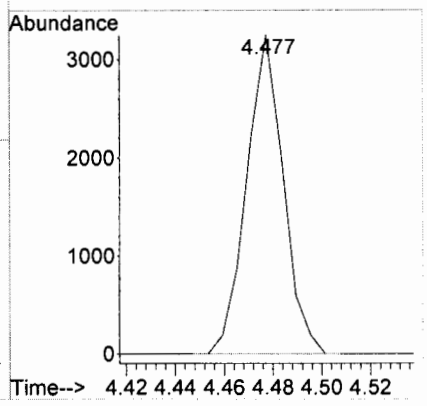
Tgt Ion: 76 Resp: 1351

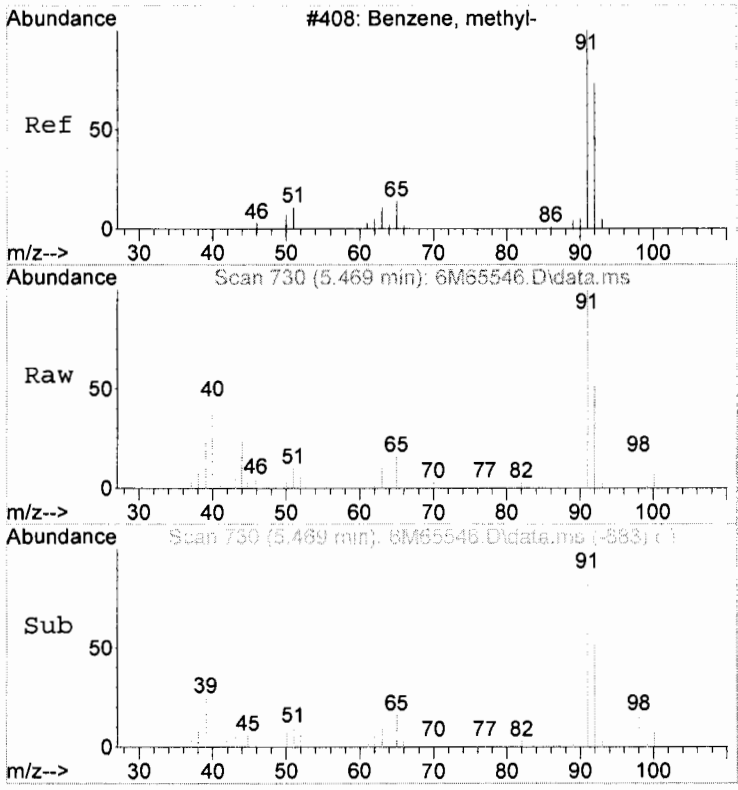




#49
Benzene
Concen: 0.65 ug/l
RT: 4.477 min Scan# 565
Delta R.T. -0.012 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion: 78 Resp: 3400

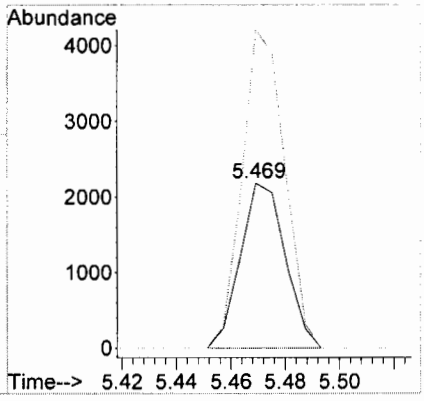


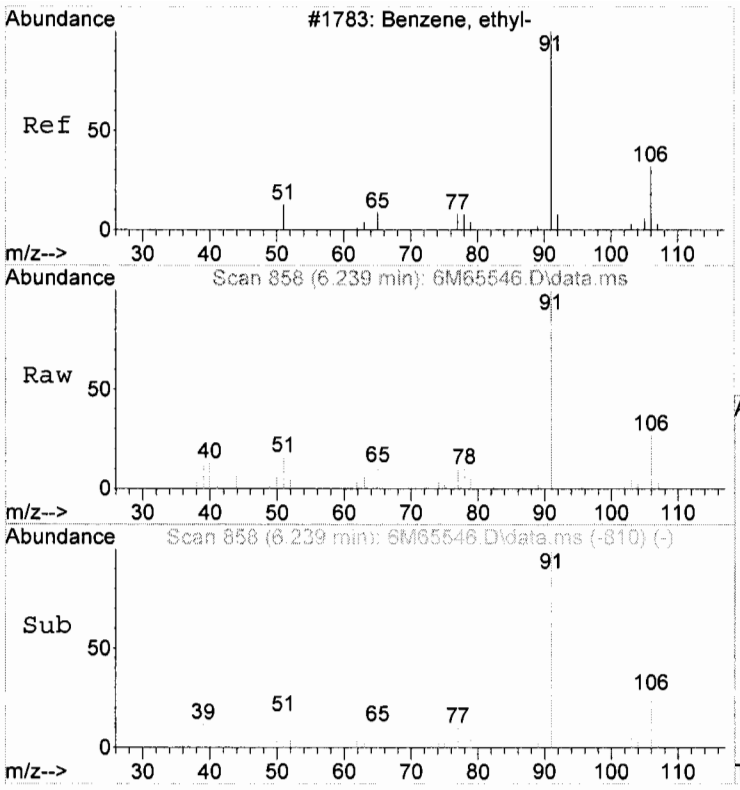


#66
Toluene
Concen: 0.69 ug/l
RT: 5.469 min Scan# 730
Delta R.T. -0.018 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion: 92 Resp: 2505

Ion	Ratio	Lower	Upper
92	100		
91	192.6	99.4	231.8

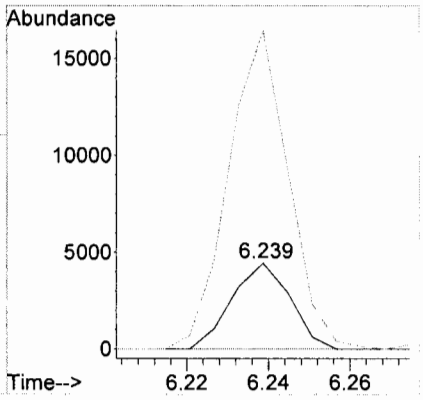


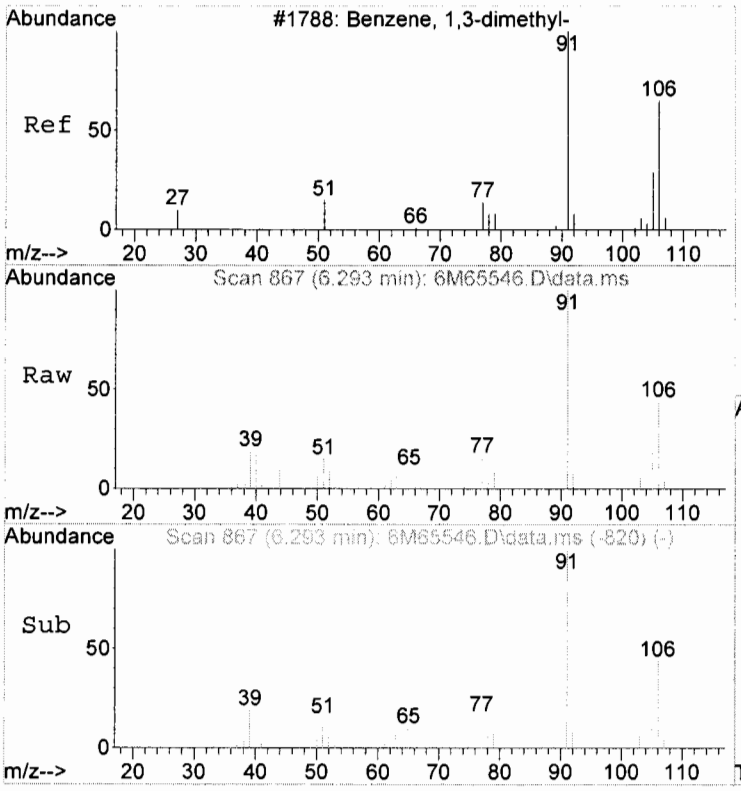


#73
Ethylbenzene
Concen: 2.61 ug/l
RT: 6.239 min Scan# 858
Delta R.T. -0.011 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion:106 Resp: 4441

Ion	Ratio	Lower	Upper
106	100		
91	361.6	219.2	511.6

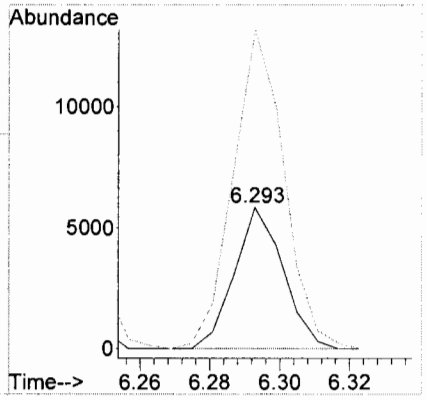


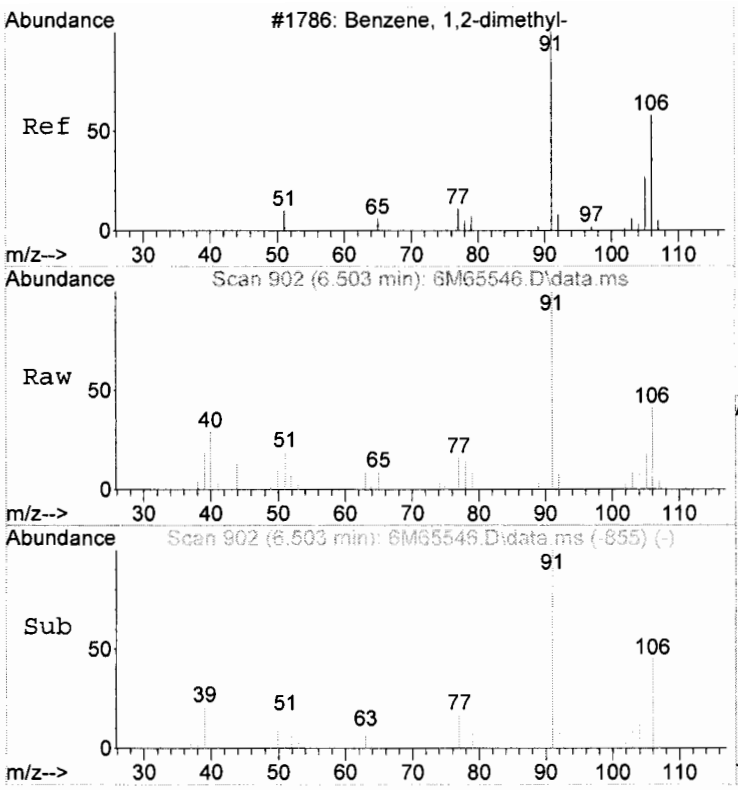


#77
m&p-Xylenes
Concen: 2.91 ug/l
RT: 6.293 min Scan# 867
Delta R.T. -0.017 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion:106 Resp: 5654

Ion	Ratio	Lower	Upper
106	100		
91	221.9	142.4	332.2

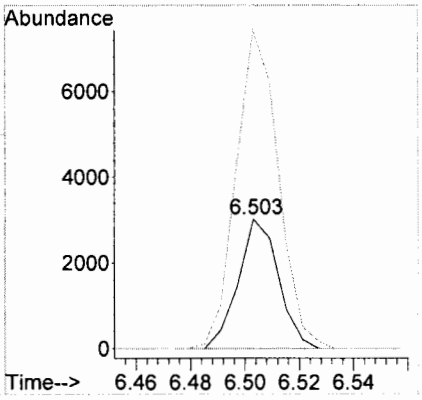


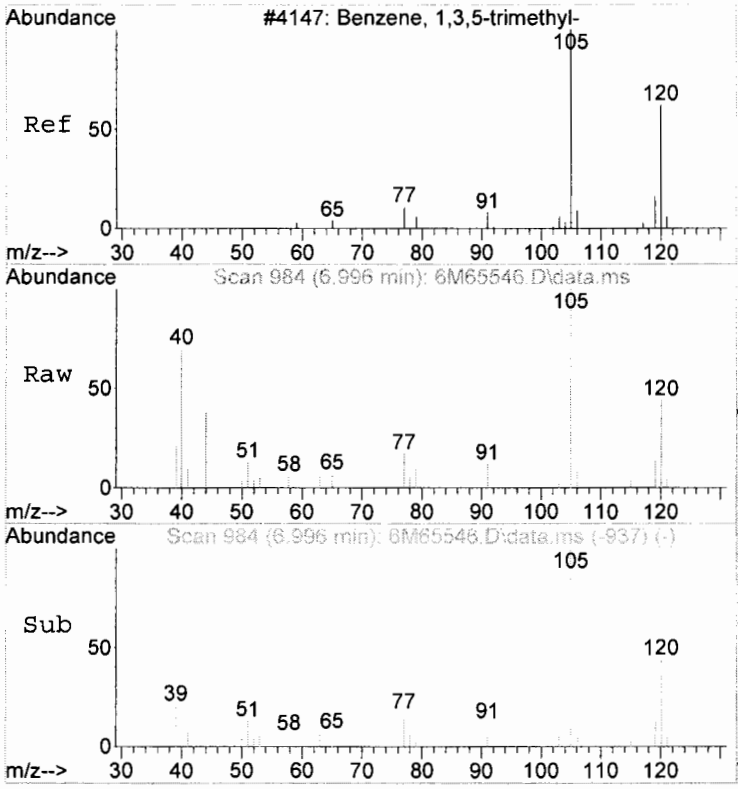


#78
o-Xylene
Concen: 1.65 ug/l
RT: 6.503 min Scan# 902
Delta R.T. -0.018 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion:106 Resp: 3105

Ion	Ratio	Lower	Upper
106	100		
91	246.1	164.4	383.6

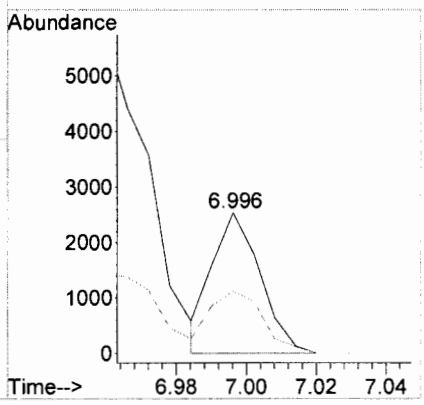


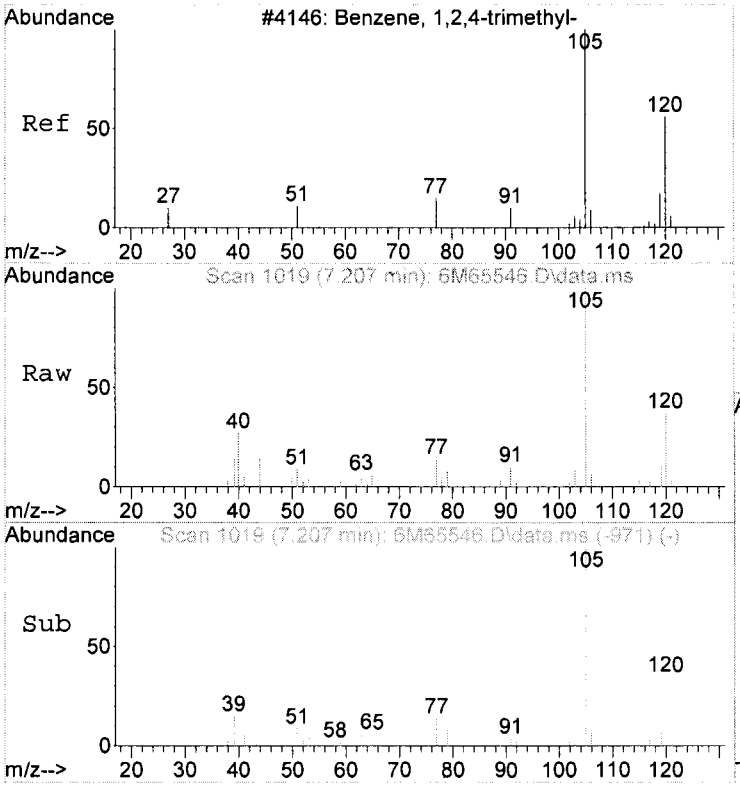


#92
1,3,5-Trimethylbenzene
Concen: 0.65 ug/l
RT: 6.996 min Scan# 984
Delta R.T. -0.017 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion:105 Resp: 2420

Ion	Ratio	Lower	Upper
105	100		
120	49.1	0.0	80.0

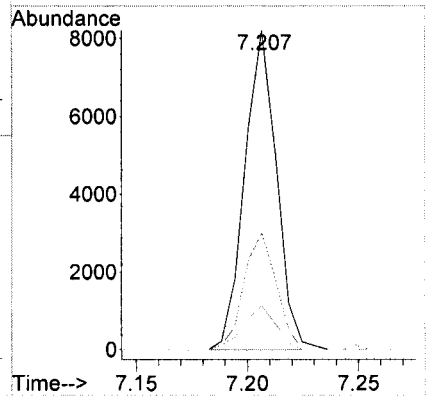




#95
1,2,4-Trimethylbenzene
Concen: 2.05 ug/l
RT: 7.207 min Scan# 1019
Delta R.T. -0.011 min
Lab File: 6M65546.D
Acq: 15 Feb 2011 20:29

Tgt Ion:105 Resp: 8132

Ion	Ratio	Lower	Upper
105	100		
120	37.3	3.2	83.2
77	14.3	0.0	57.5



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-010(T)
Client Id: ISSS3 small monolith (10th)
Data File: 3M88077.D
Analysis Date: 02/22/11 13:07
Date Rec/Extracted: 02/03/11-02/22/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.5**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.9**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**0.63 J**	**136777612**	**m&p-Xylenes**	**0.75**	**2.0**
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	**95-47-6**	**o-Xylene**	**0.54**	**1.3**
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	**Acetone**	**4.0**	**17**	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	**108-88-3**	**Toluene**	**0.40**	**0.46 J**
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	**Benzene**	**0.37**	**0.41 J**	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**0.38 J**	**1330-20-7**	**Xylenes (Total)**	**0.54**	**3.3**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

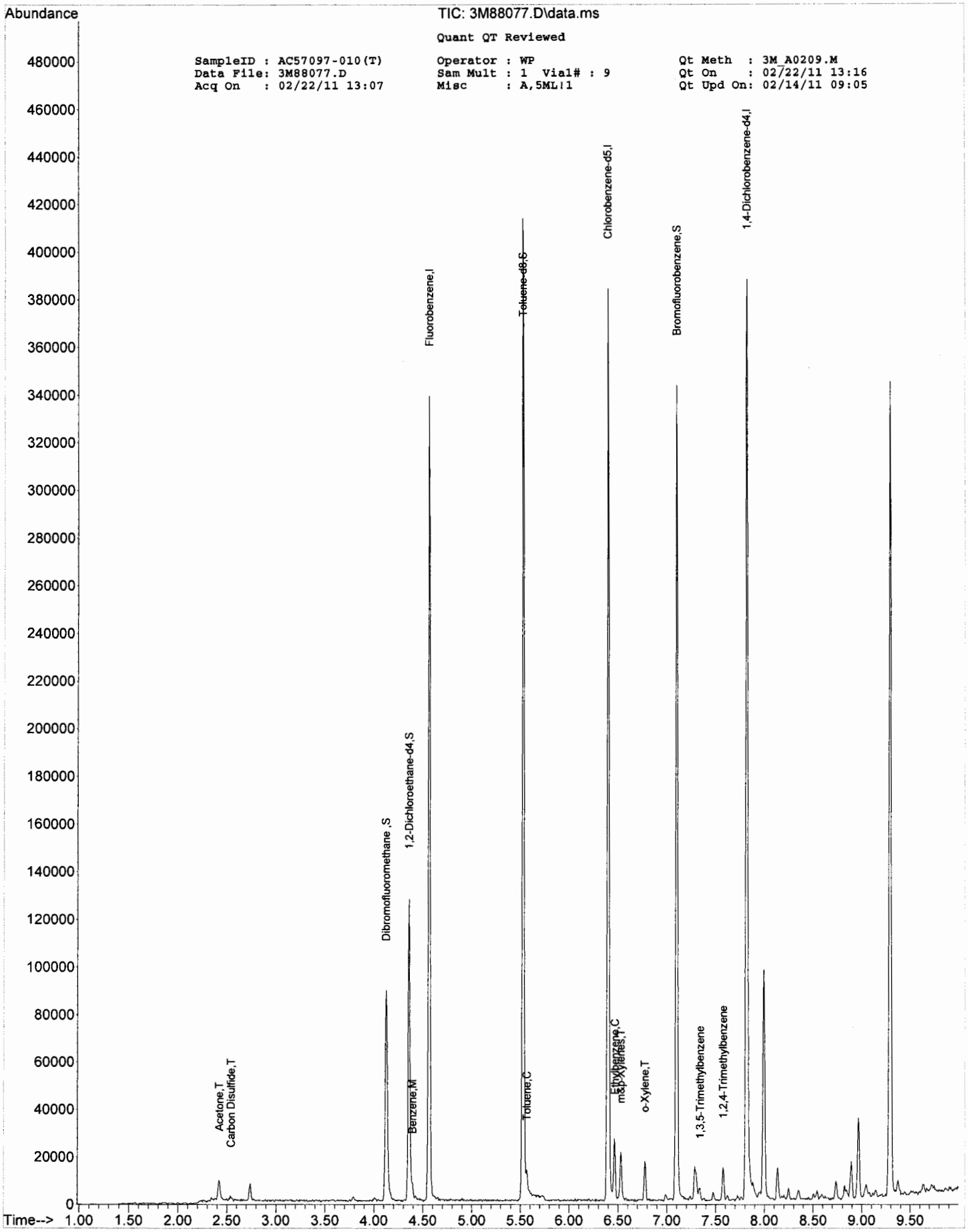
Quantitation Report (QT Reviewed)

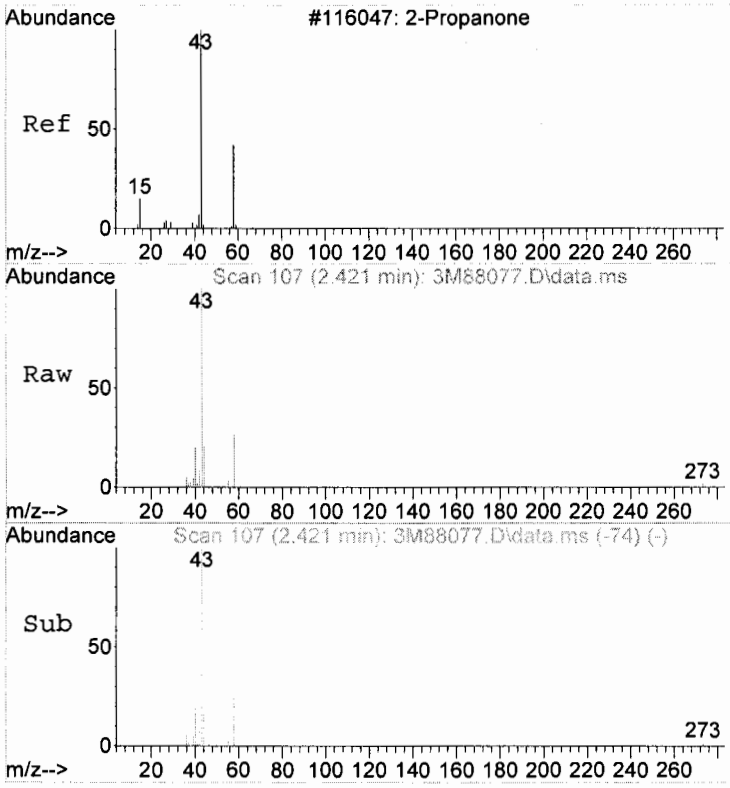
SampleID : AC57097-010(T) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88077.D Sam Mult : 1 Vial# : 9 Qt On : 02/22/11 13:16
Acq On : 02/22/11 13:07 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	162186	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	145987	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.821	152	90460	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	44379	32.46	ug/l	0.01
Spiked Amount 30.000			Recovery = 108.20%			
35) 1,2-Dichloroethane-d4	4.357	102	9932	31.88	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.27%			
59) Toluene-d8	5.523	100	111719	27.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.50%			
67) Bromofluorobenzene	7.099	174	77855	28.87	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.23%			
Target Compounds						Qvalue
17) Acetone	2.421	43	9424	16.88	ug/l	97
18) Carbon Disulfide	2.541	76	1239	0.38	ug/l	100
46) Benzene	4.393	78	2133	0.41	ug/l	100
60) Toluene	5.566	92	1625	0.46	ug/l	64
65) Ethylbenzene	6.468	106	2870	1.93	ug/l	98
69) m&p-Xylenes	6.528	106	4004	2.01	ug/l	96
70) o-Xylene	6.774	106	2769	1.30	ug/l	96
84) 1,3,5-Trimethylbenzene	7.339	105	2612	0.63	ug/l	100
86) 1,2,4-Trimethylbenzene	7.574	105	6404	1.48	ug/l	80

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

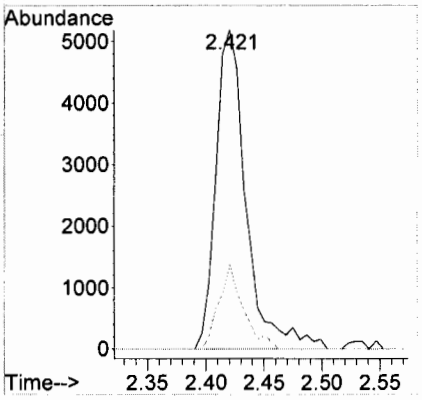

Abundance
TIC: 3M88077.D\data.ms
Quant QT Reviewed
SampleID : AC57097-010(T)
Data File: 3M88077.D
Acq On : 02/22/11 13:07
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML;1
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:16
Qt Upd On: 02/14/11 09:05
Acetone,T
Carbon Disulfide,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

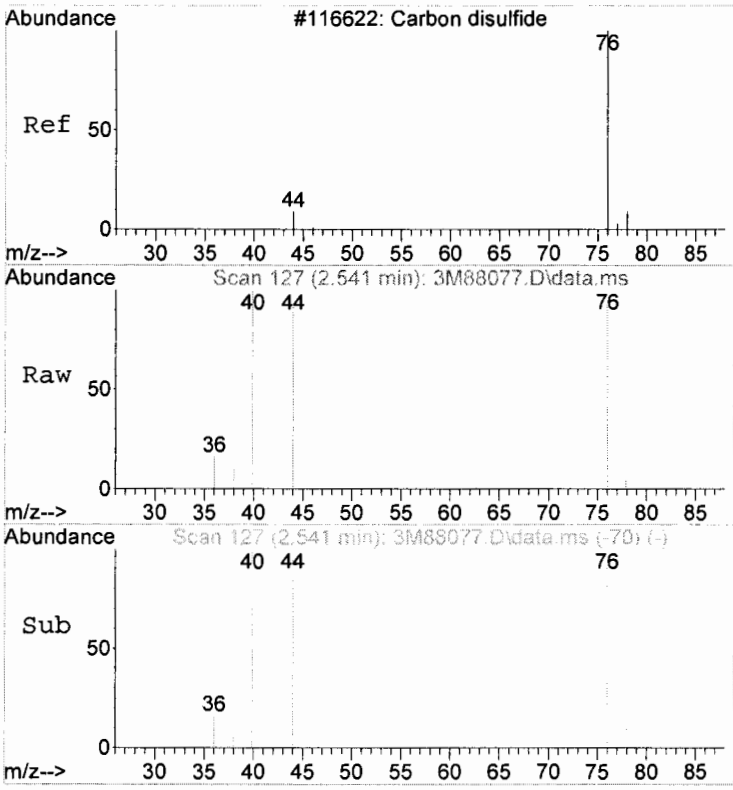


#17
Acetone
Concen: 16.88 ug/l
RT: 2.421 min Scan# 107
Delta R.T. 0.018 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion: 43 Resp: 9424

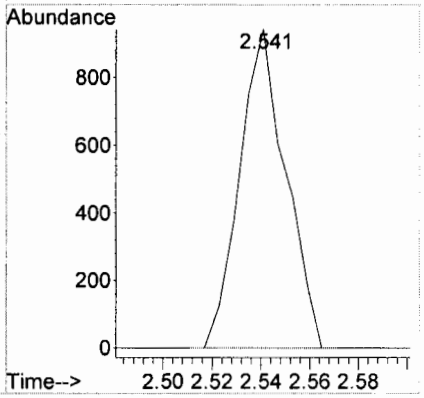
Ion	Ratio	Lower	Upper
43	100		
58	26.5	0.0	64.8

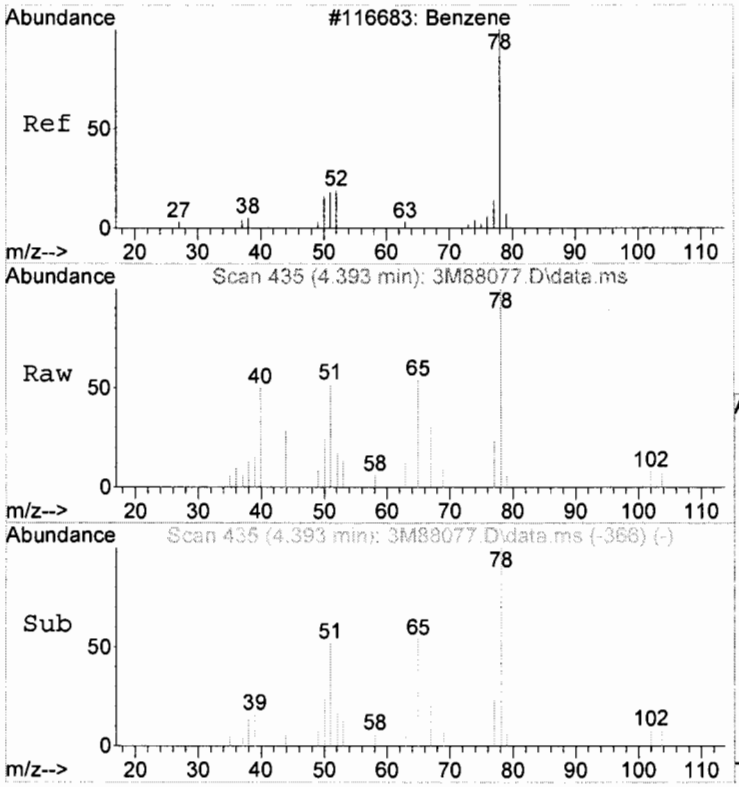




#18
Carbon Disulfide
Concen: 0.38 ug/l
RT: 2.541 min Scan# 127
Delta R.T. 0.018 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

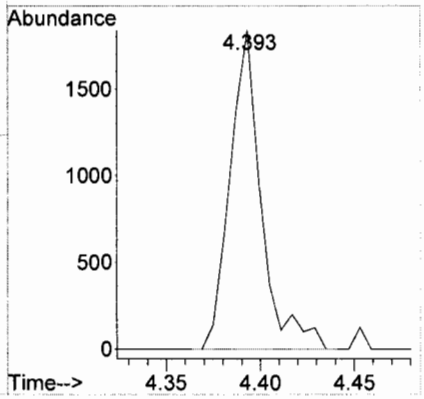
Tgt Ion: 76 Resp: 1239

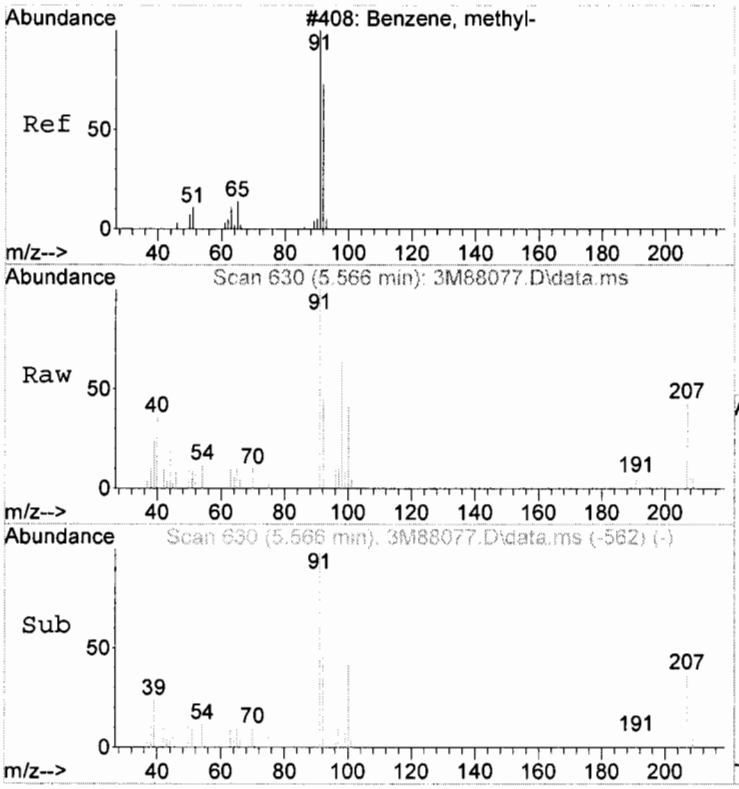




#46
Benzene
Concen: 0.41 ug/l
RT: 4.393 min Scan# 435
Delta R.T. 0.012 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion: 78 Resp: 2133

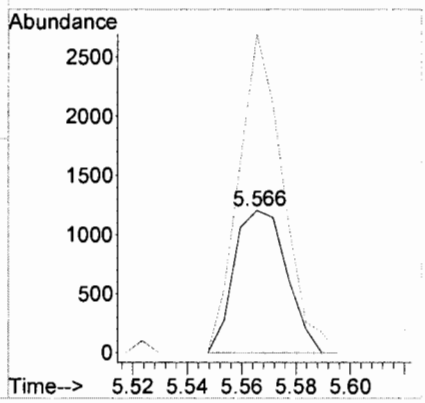


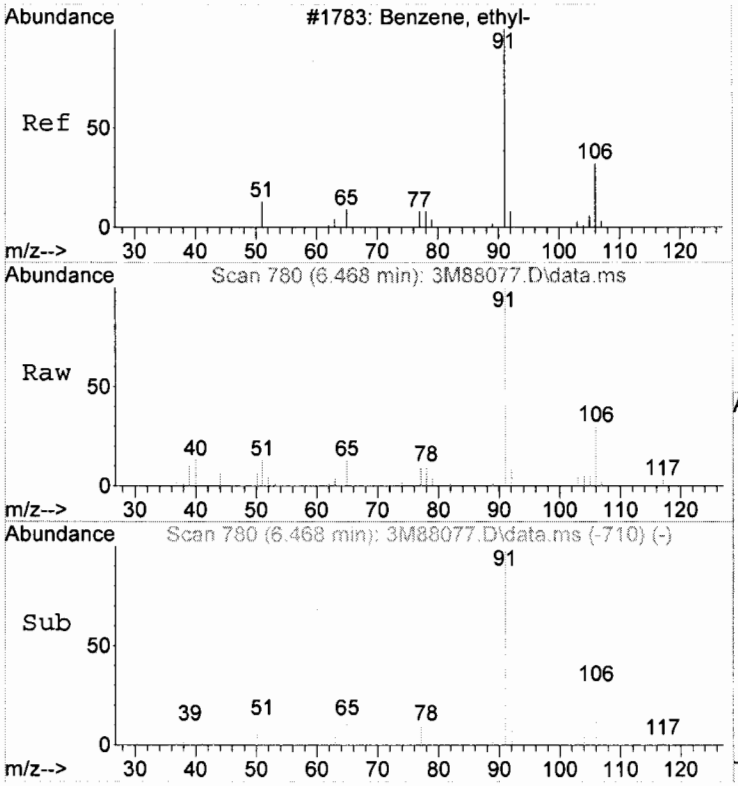


#60
Toluene
Concen: 0.46 ug/l
RT: 5.566 min Scan# 630
Delta R.T. 0.012 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion: 92 Resp: 1625

Ion	Ratio	Lower	Upper
92	100		
91	223.5	104.1	242.9

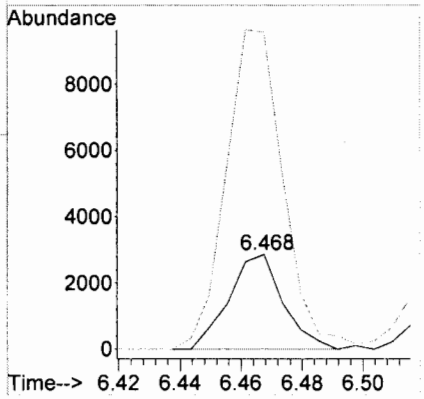


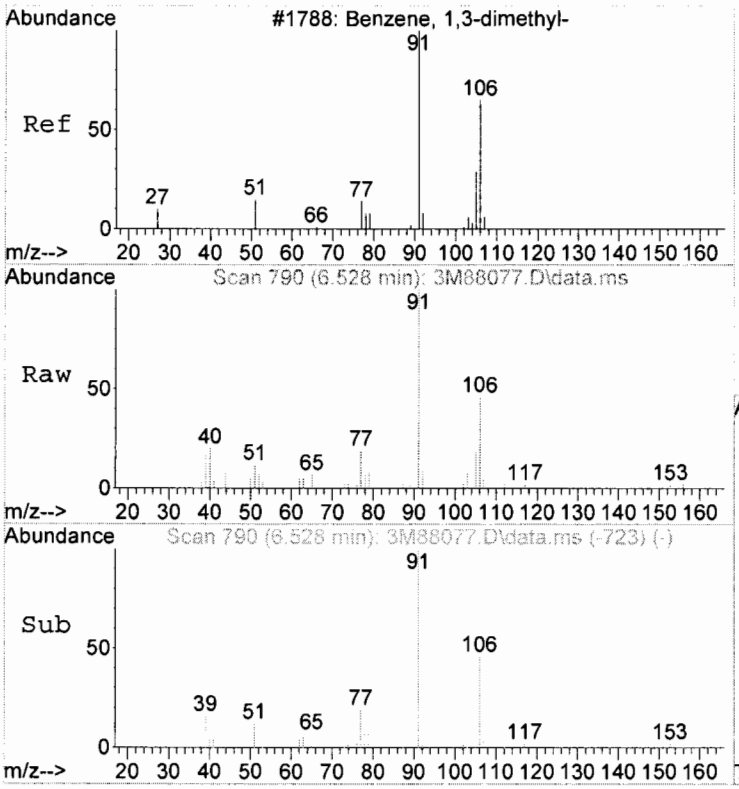


#65
Ethylbenzene
Concen: 1.93 ug/l
RT: 6.468 min Scan# 780
Delta R.T. 0.019 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion:106 Resp: 2870

Ion	Ratio	Lower	Upper
106	100		
91	322.3	191.5	446.7

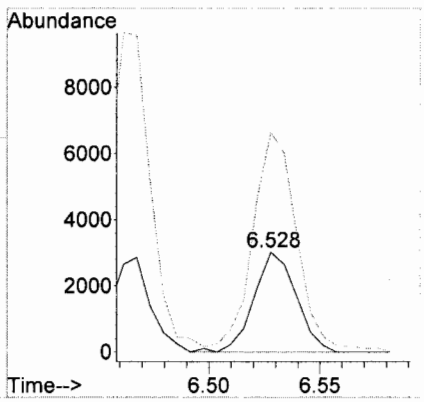


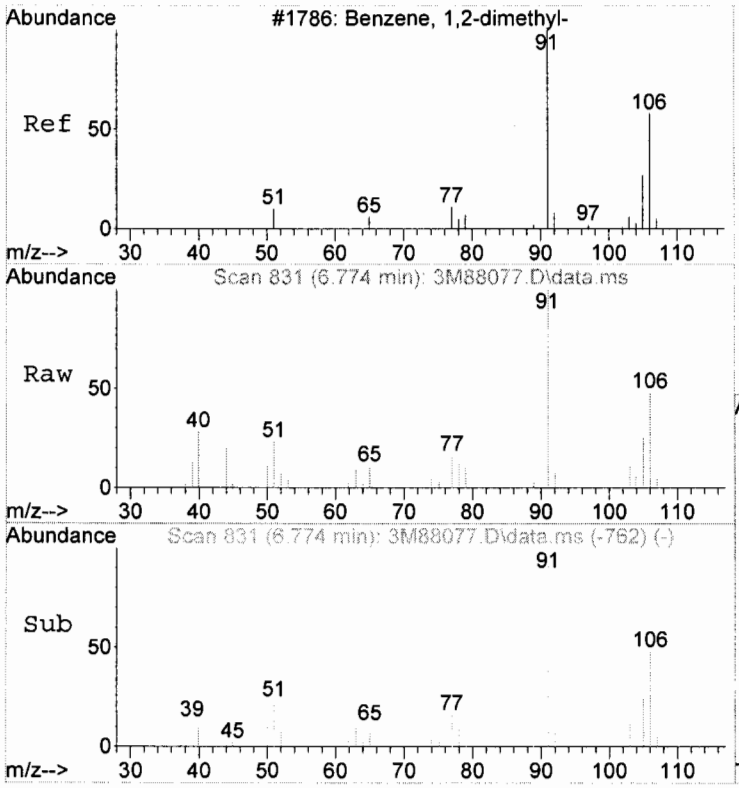


#69
m&p-Xylenes
Concen: 2.01 ug/l
RT: 6.528 min Scan# 790
Delta R.T. 0.006 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion:106 Resp: 4004

Ion	Ratio	Lower	Upper
106	100		
91	213.4	132.0	308.0

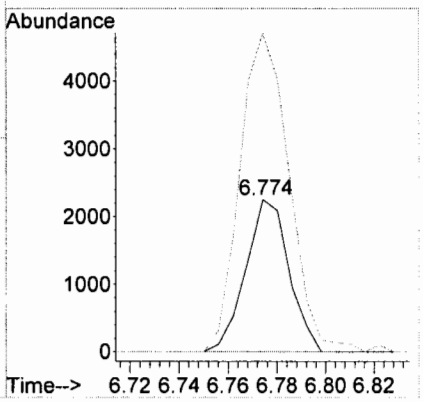


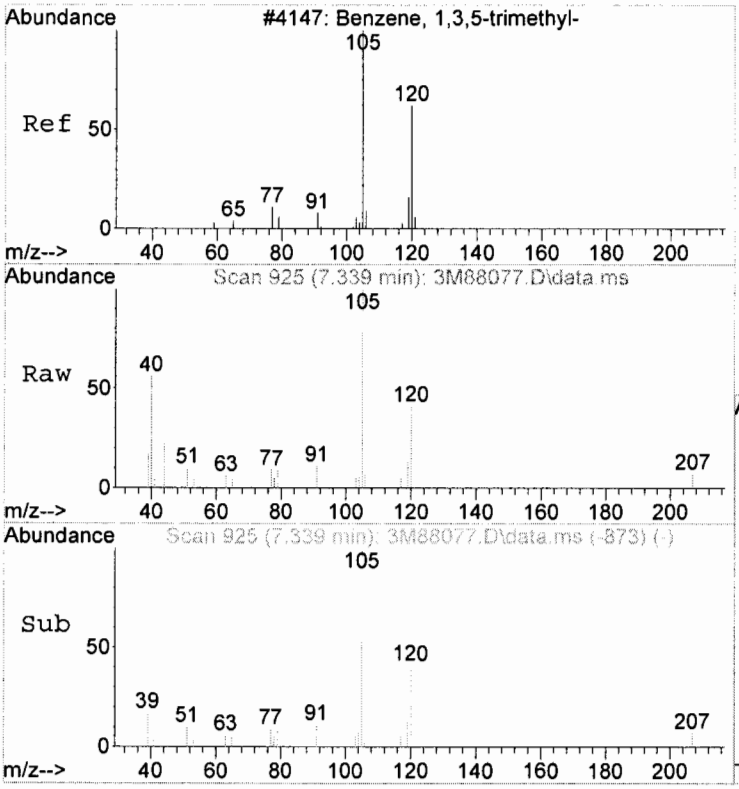


#70
o-Xylene
Concen: 1.30 ug/l
RT: 6.774 min Scan# 831
Delta R.T. 0.012 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion:106 Resp: 2769

Ion	Ratio	Lower	Upper
106	100		
91	209.4	129.1	301.1

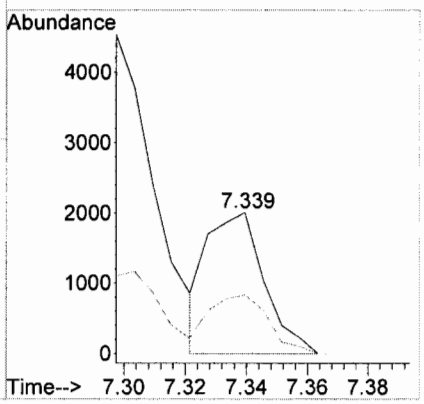


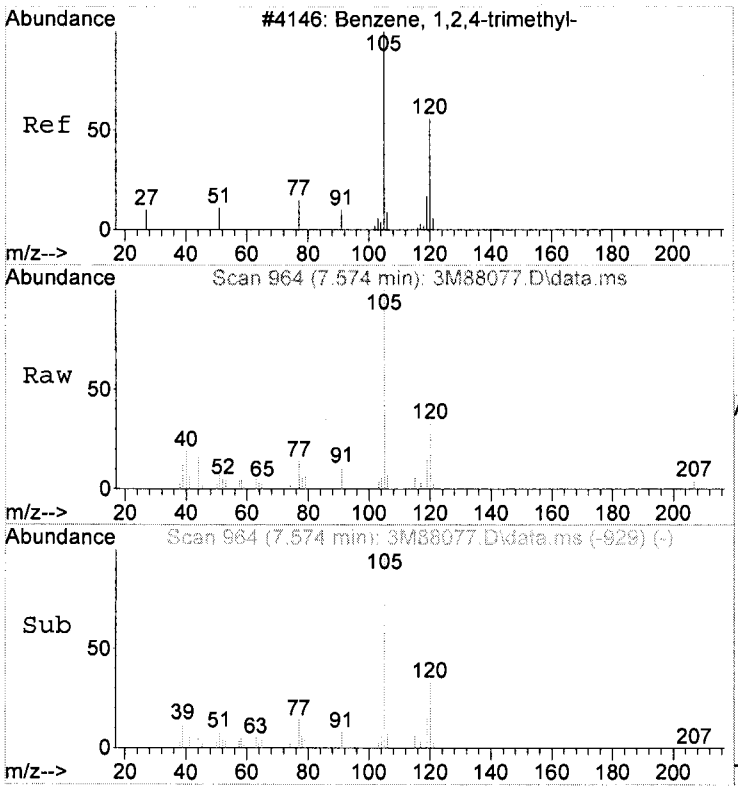


#84
1,3,5-Trimethylbenzene
Concen: 0.63 ug/l
RT: 7.339 min Scan# 925
Delta R.T. 0.012 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion:105 Resp: 2612

Ion	Ratio	Lower	Upper
105	100		
120	42.8	23.0	63.0

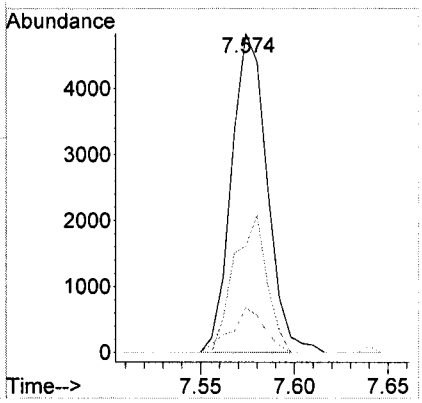




#86
1,2,4-Trimethylbenzene
Concen: 1.48 ug/l
RT: 7.574 min Scan# 964
Delta R.T. 0.012 min
Lab File: 3M88077.D
Acq: 22 Feb 2011 13:07

Tgt Ion:105 Resp: 6404

Ion	Ratio	Lower	Upper
105	100		
120	39.8	12.2	92.2
77	13.3	0.0	66.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-015(T)
Client Id: ISSS3 small monolith (15th)
Data File: 3M88320.D
Analysis Date: 02/25/11 17:06
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.0**	**1.3**	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.0**	**1.3**
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**1.5**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**10**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	**95-47-6**	**o-Xylene**	**0.54**	**1.0**	**0.73J**
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	**100-42-5**	**Styrene**	**0.33**	**1.0**	**1.2**
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**14**	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	**108-88-3**	**Toluene**	**0.40**	**1.0**	**0.64J**
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	**79-01-6**	**Trichloroethene**	**0.45**	**1.0**	**0.55J**
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**2.23**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

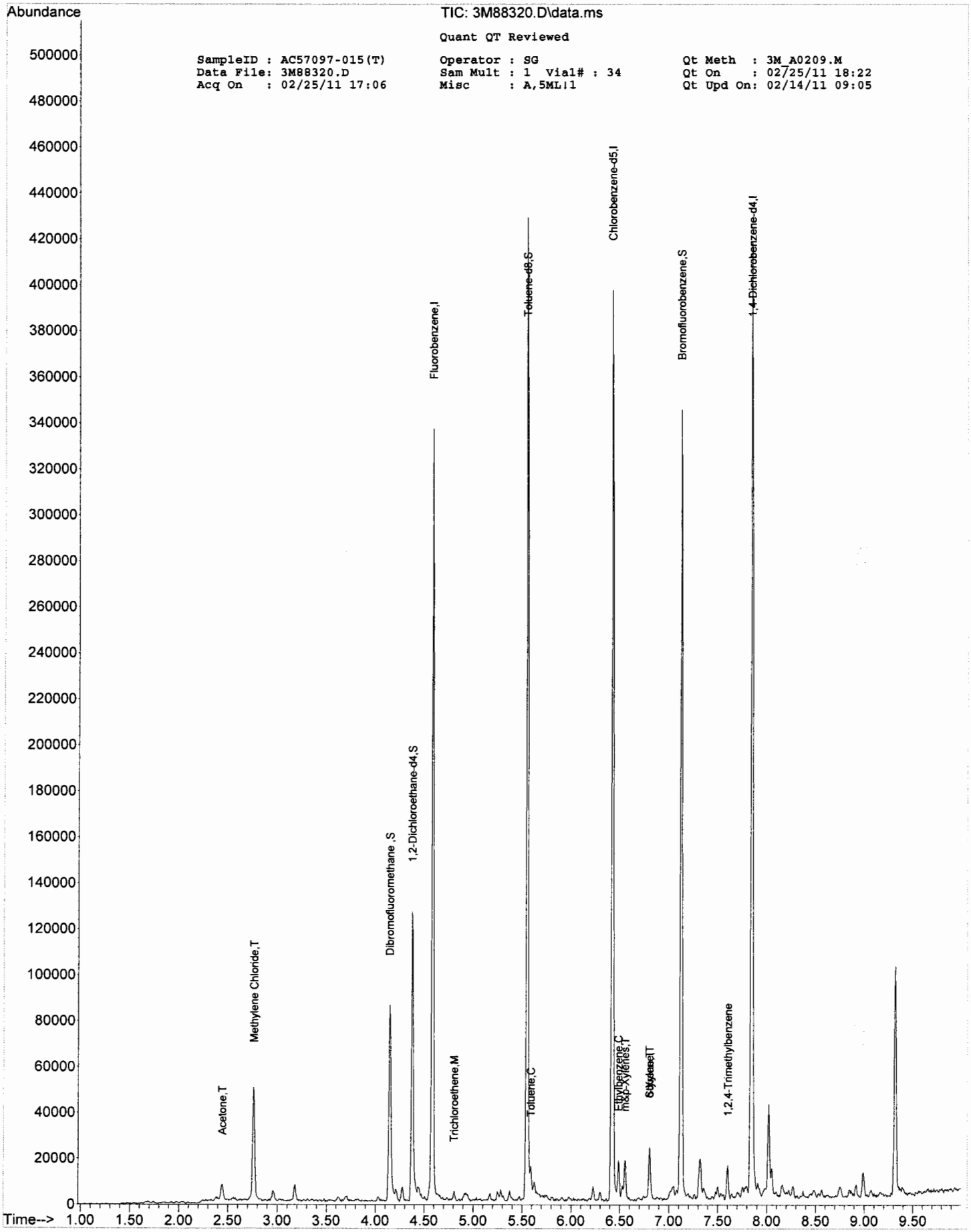
Quantitation Report (QT Reviewed)

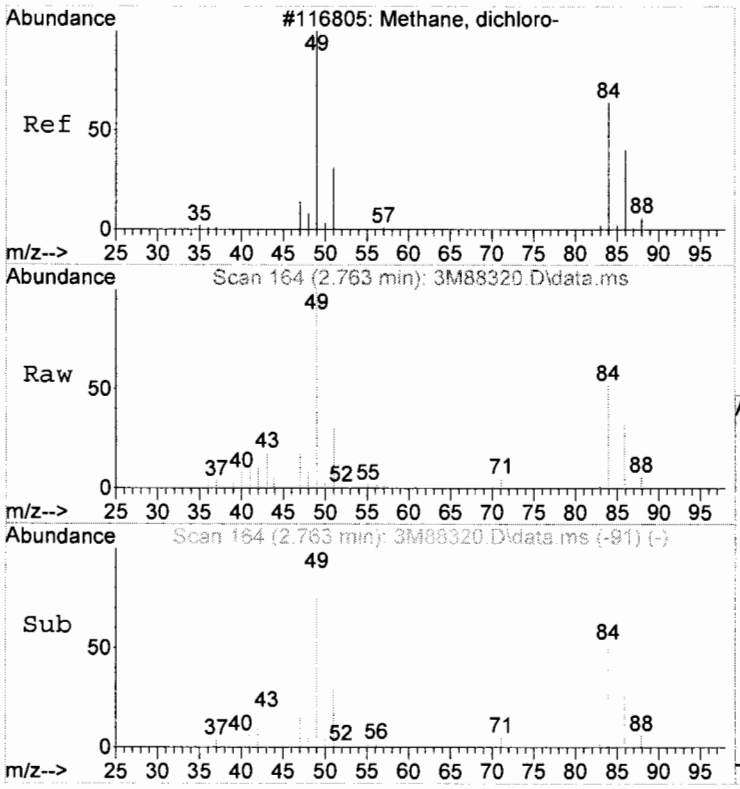
SampleID : AC57097-015(T) Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88320.D Sam Mult : 1 Vial# : 34 Qt On : 02/25/11 18:22
Acq On : 02/25/11 17:06 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.585	96	161832	30.00	ug/l	0.04
48) Chlorobenzene-d5	6.419	117	144921	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.844	152	91984	30.00	ug/l	0.04
System Monitoring Compounds						
33) Dibromofluoromethane	4.146	111	40137	29.42	ug/l	0.04
Spiked Amount 30.000			Recovery = 98.07%			
35) 1,2-Dichloroethane-d4	4.374	102	9894	31.83	ug/l	0.03
Spiked Amount 30.000			Recovery = 106.10%			
59) Toluene-d8	5.547	100	115269	28.84	ug/l	0.03
Spiked Amount 30.000			Recovery = 96.13%			
67) Bromofluorobenzene	7.122	174	75515	27.53	ug/l	0.04
Spiked Amount 30.000			Recovery = 91.77%			
Target Compounds						Qvalue
13) Methylene Chloride	2.763	84	11827	10.49	ug/l	91
17) Acetone	2.444	43	7843	14.07	ug/l	85
45) Trichloroethene	4.807	130	738	0.55	ug/l	89
60) Toluene	5.589	92	2218	0.64	ug/l	74
65) Ethylbenzene	6.485	106	2011	1.33	ug/l	75
68) Styrene	6.804	104	4745	1.19	ug/l	89
69) m&p-Xylenes	6.551	106	3026	1.49	ug/l	87
70) o-Xylene	6.804	106	1577	0.73	ug/l	97
86) 1,2,4-Trimethylbenzene	7.603	105	5630	1.28	ug/l	82

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

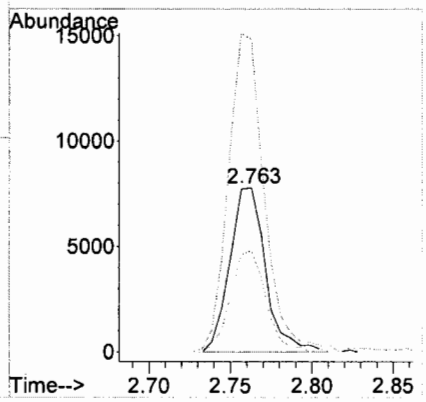

Abundance
TIC: 3M88320.D\data.ms
Quant QT Reviewed
SampleID : AC57097-015(T)
Data File: 3M88320.D
Acq On : 02/25/11 17:06
Operator : SG
Sam Mult : 1 Vial# : 34
Misc : A,5ML,1
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 18:22
Qt Upd On: 02/14/11 09:05
Acetone,T
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
Bromofluorobenzene,S
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

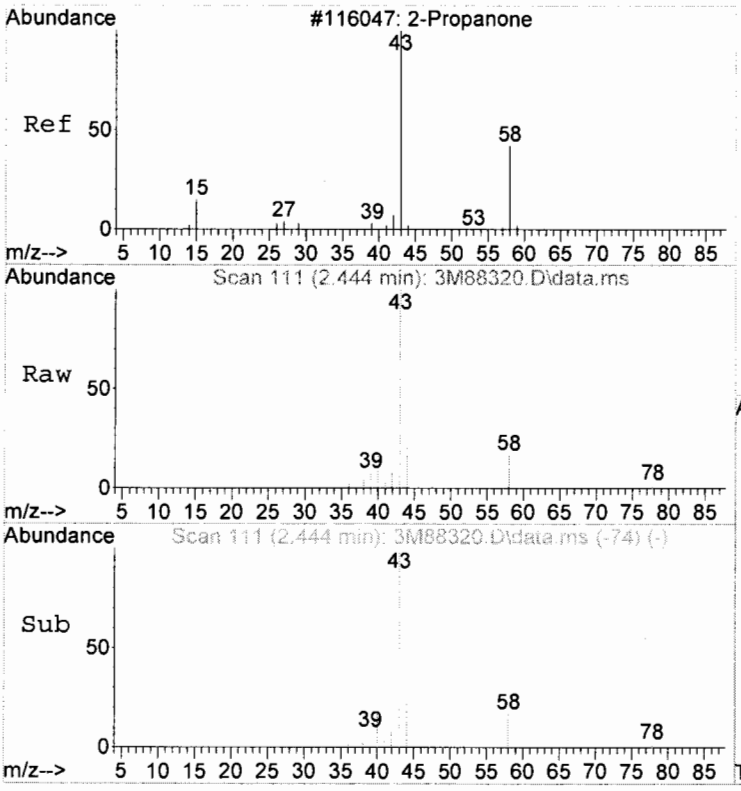


#13
Methylene Chloride
Concen: 10.49 ug/l
RT: 2.763 min Scan# 164
Delta R.T. 0.042 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion: 84 Resp: 11827

Ion	Ratio	Lower	Upper
84	100		
49	190.5	102.1	306.1
86	61.9	41.7	97.3

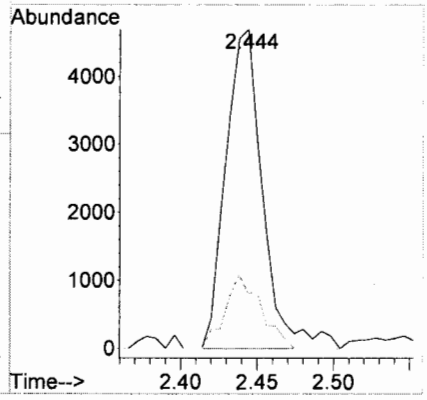


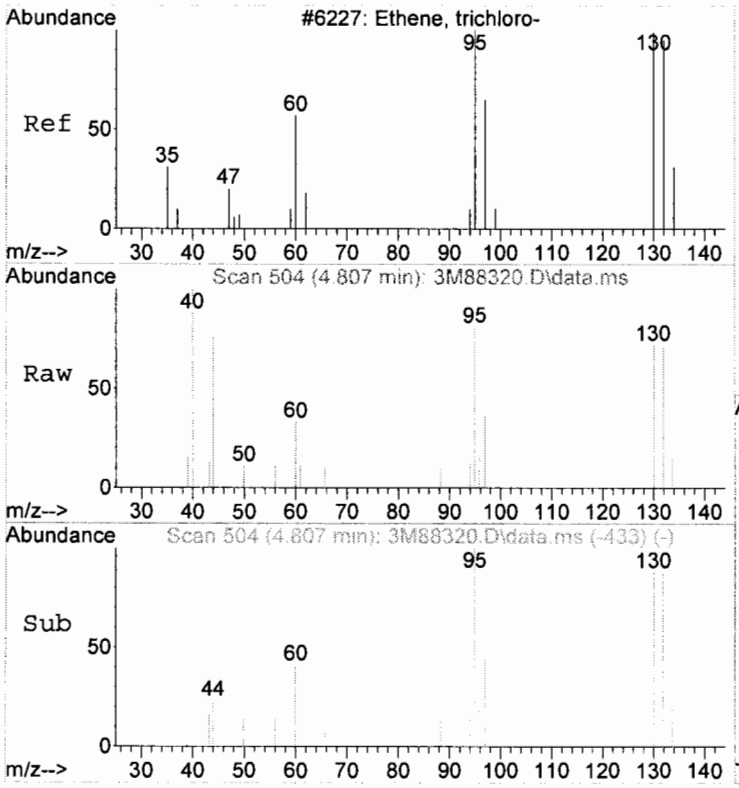


#17
Acetone
Concen: 14.07 ug/l
RT: 2.444 min Scan# 111
Delta R.T. 0.041 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion: 43 Resp: 7843

Ion	Ratio	Lower	Upper
43	100		
58	17.4	0.0	64.8

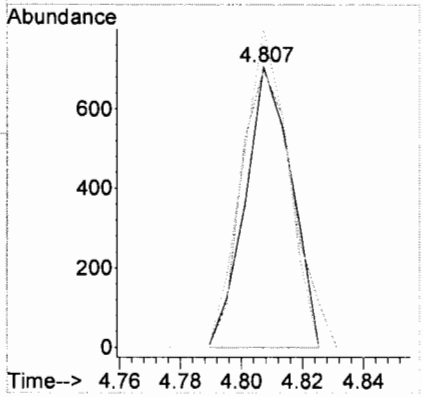


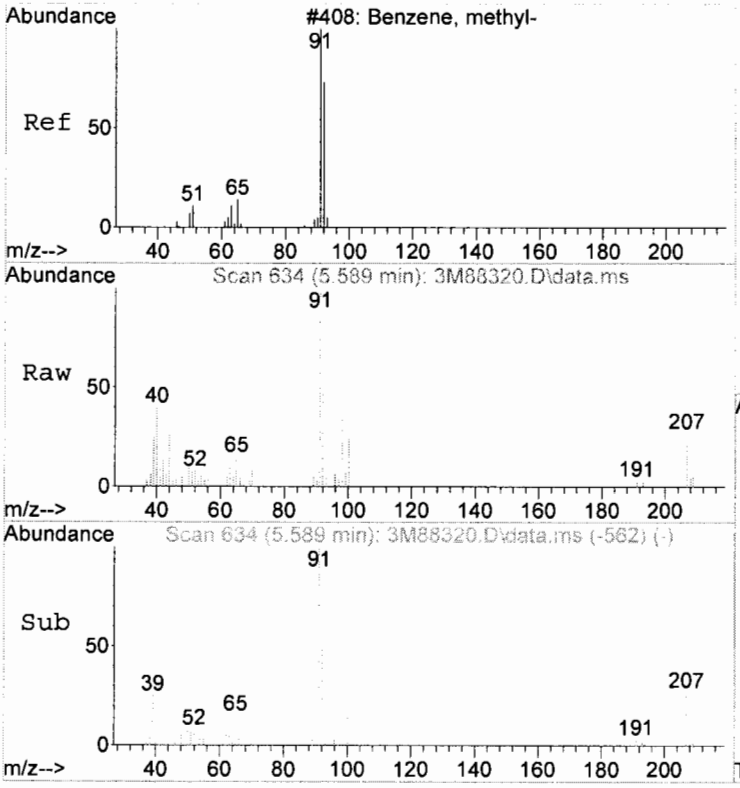


#45
Trichloroethene
Concen: 0.55 ug/l
RT: 4.807 min Scan# 504
Delta R.T. 0.029 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion:130 Resp: 738

Ion	Ratio	Lower	Upper
130	100		
132	98.7	57.4	137.4
95	113.3	52.5	132.5

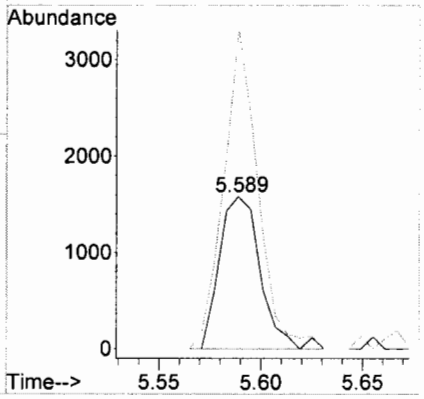


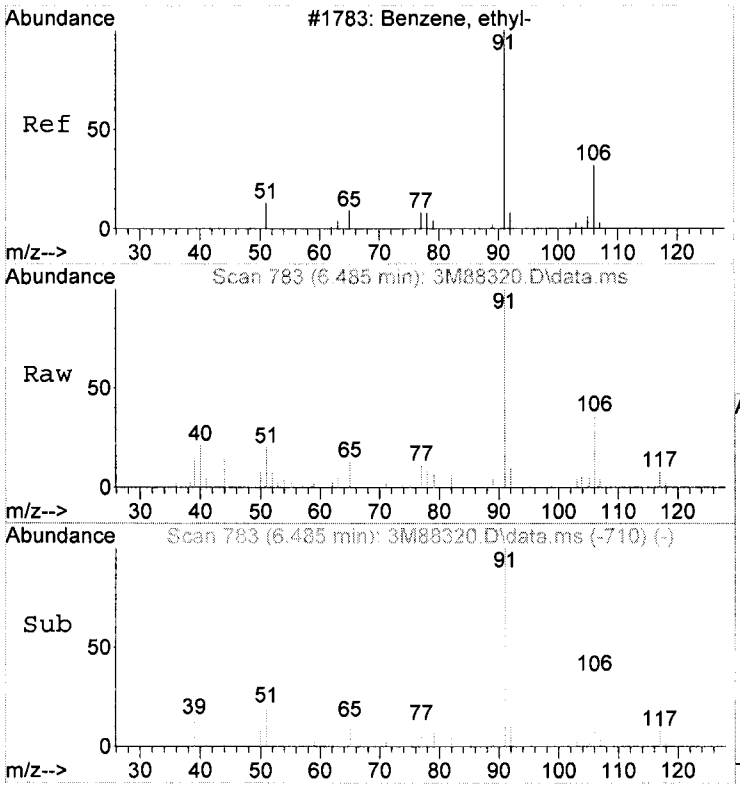


#60
Toluene
Concen: 0.64 ug/l
RT: 5.589 min Scan# 634
Delta R.T. 0.035 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion: 92 Resp: 2218

Ion	Ratio	Lower	Upper
92	100		
91	209.3	104.1	242.9

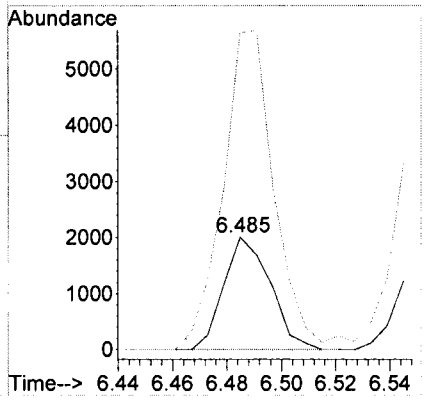


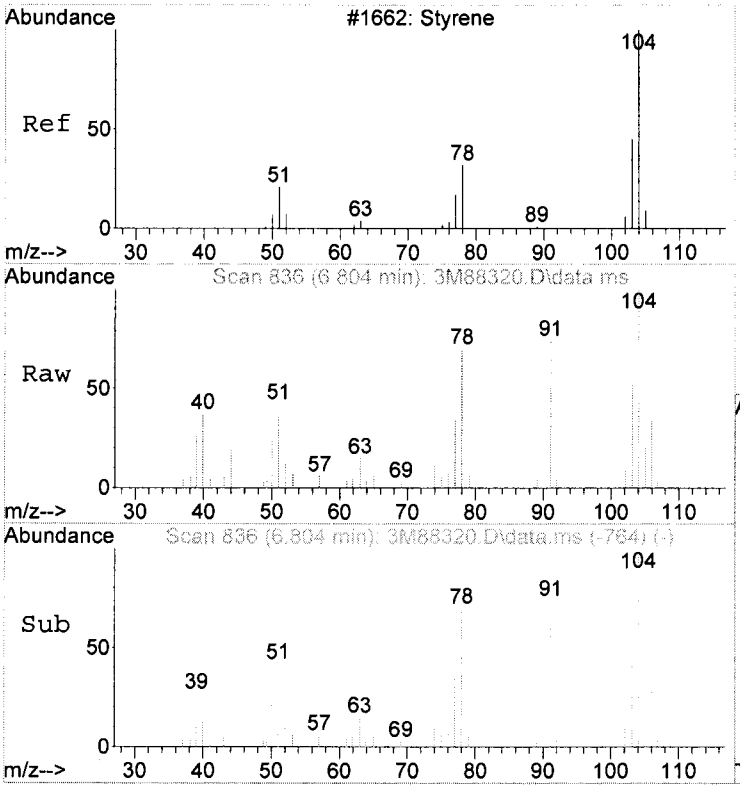


#65
Ethylbenzene
Concen: 1.33 ug/l
RT: 6.485 min Scan# 783
Delta R.T. 0.036 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion:106 Resp: 2011

Ion	Ratio	Lower	Upper
106	100		
91	268.3	191.5	446.7

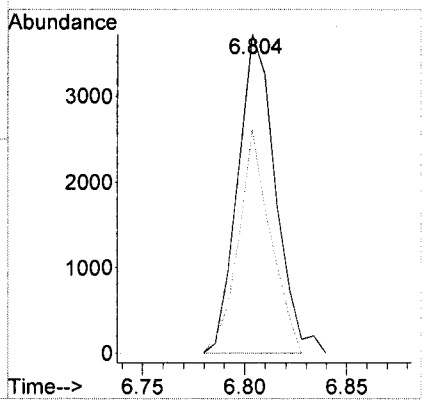


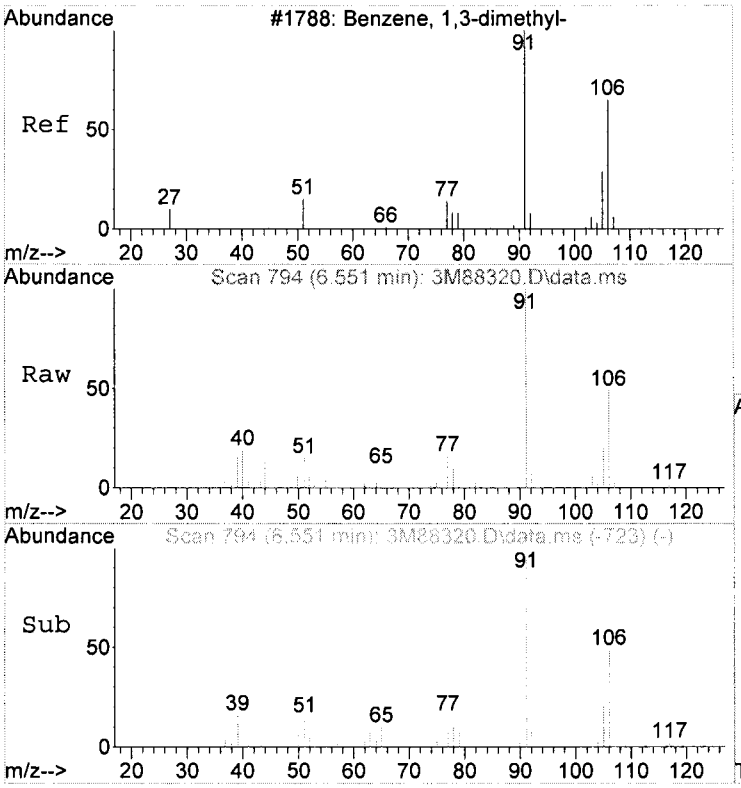


#68
Styrene
Concen: 1.19 ug/l
RT: 6.804 min Scan# 836
Delta R.T. 0.036 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion:104 Resp: 4745

Ion	Ratio	Lower	Upper
104	100		
78	70.3	22.1	102.1

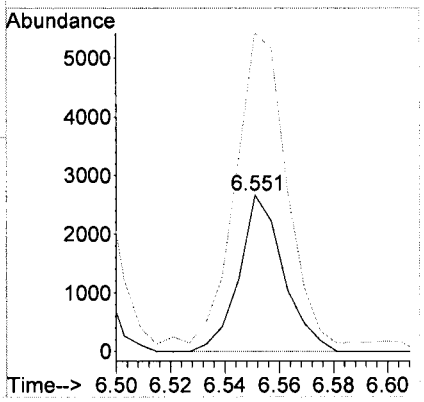


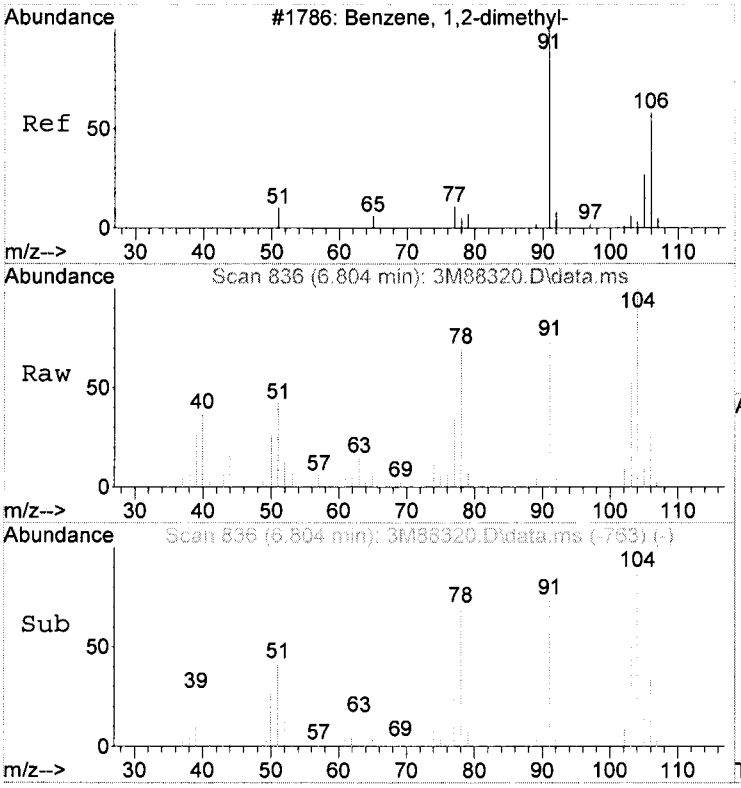


#69
m&p-Xylenes
Concen: 1.49 ug/l
RT: 6.551 min Scan# 794
Delta R.T. 0.029 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion:106 Resp: 3026

Ion	Ratio	Lower	Upper
106	100		
91	199.1	132.0	308.0

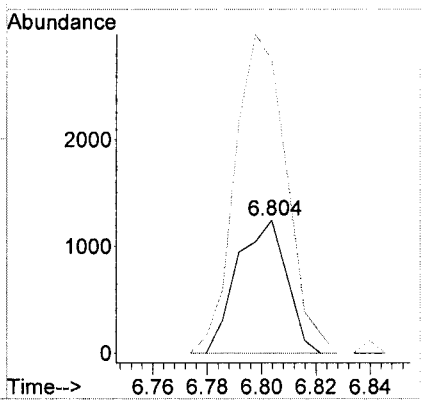


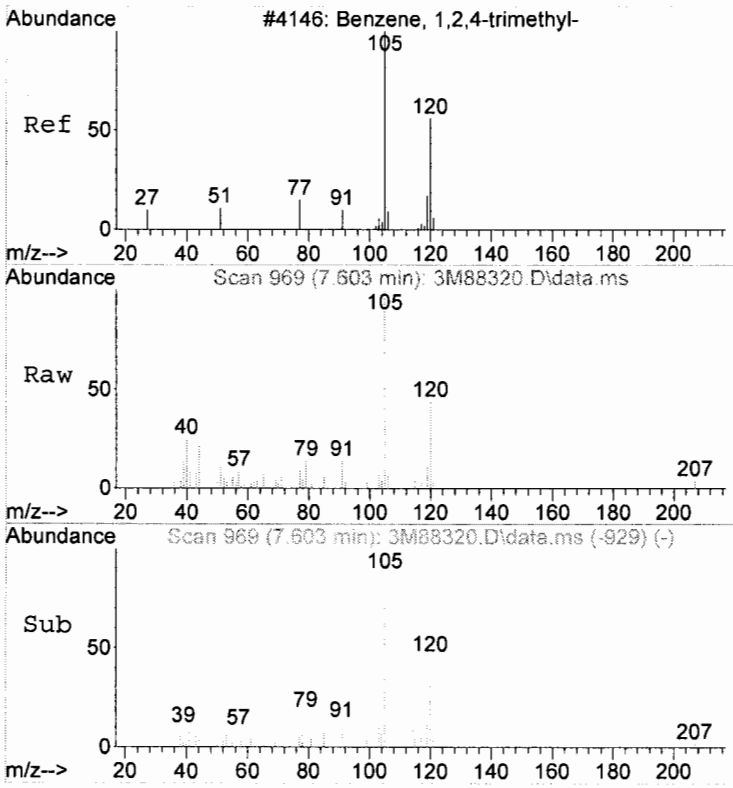


#70
o-Xylene
Concen: 0.73 ug/l
RT: 6.804 min Scan# 836
Delta R.T. 0.042 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion:106 Resp: 1577

Ion	Ratio	Lower	Upper
106	100		
91	219.5	129.1	301.1

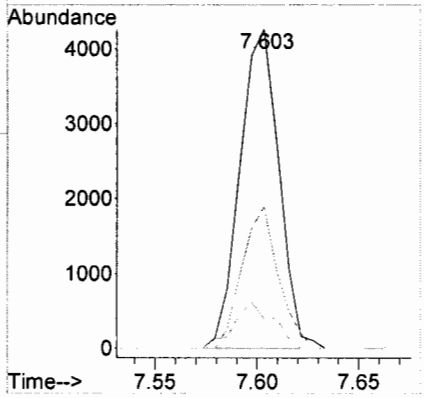




#86
1,2,4-Trimethylbenzene
Concen: 1.28 ug/l
RT: 7.603 min Scan# 969
Delta R.T. 0.041 min
Lab File: 3M88320.D
Acq: 25 Feb 2011 17:06

Tgt Ion:105 Resp: 5630

Ion	Ratio	Lower	Upper
105	100		
120	41.5	12.2	92.2
77	14.6	0.0	66.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57097-020(T)
Client Id: ISSS3 small monolith (20th)
Data File: 2M63709.D
Analysis Date: 03/03/11 15:31
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	**67-66-3**	**Chloroform**	**0.36**	**1.0**	**0.90J**
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.0**	**2.3**	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.0**	**2.2**
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**1.0**	**0.79J**	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**2.4**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**17**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	**103-65-1**	**n-Propylbenzene**	**0.34**	**1.0**	**0.34J**
78-93-3	2-Butanone	0.90	1.0	U	**95-47-6**	**o-Xylene**	**0.54**	**1.0**	**1.0**
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	**100-42-5**	**Styrene**	**0.33**	**1.0**	**0.60J**
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**22**	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**3.4**

Worksheet #: 183431

Total Target Concentration 50

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

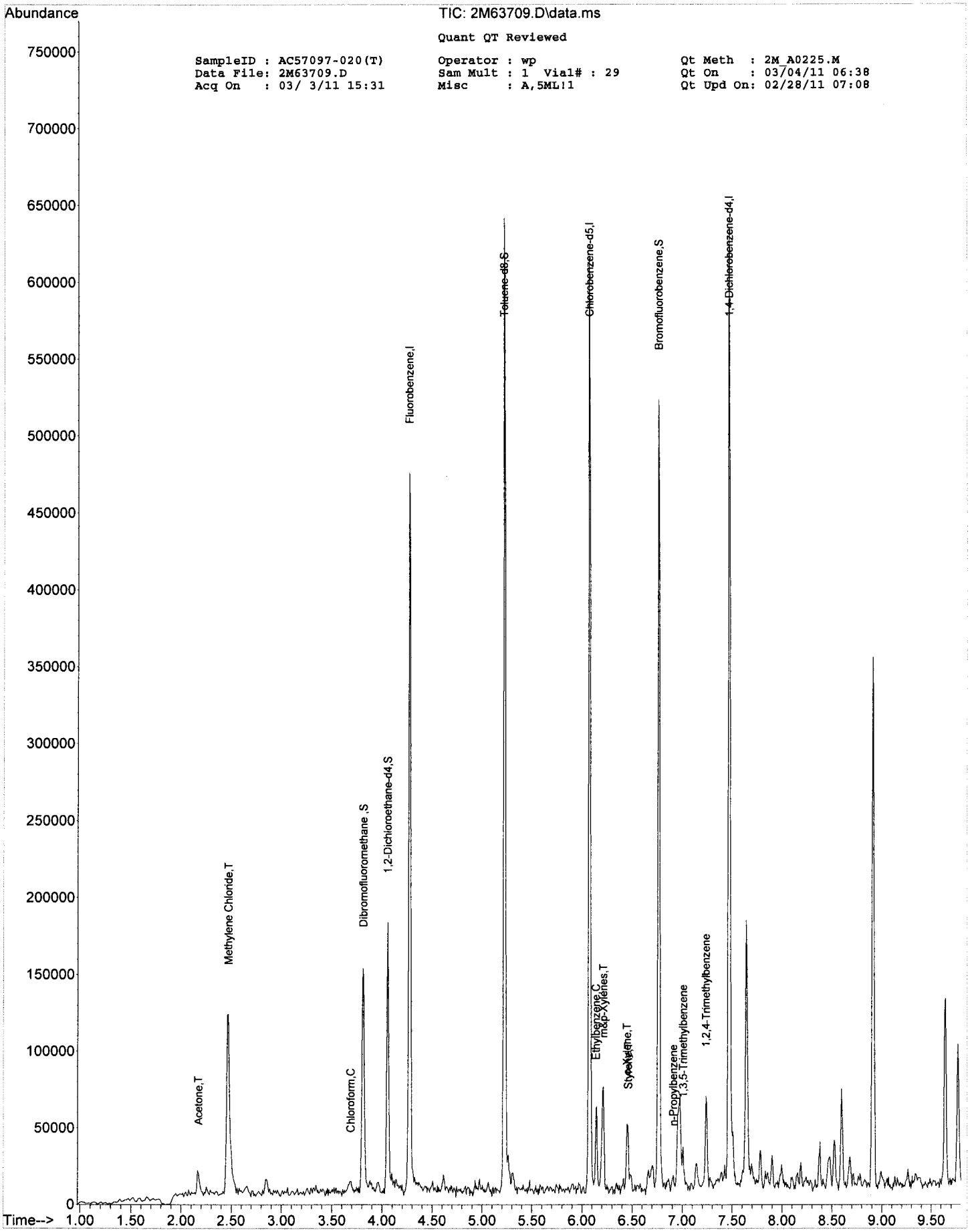
Quantitation Report (QT Reviewed)

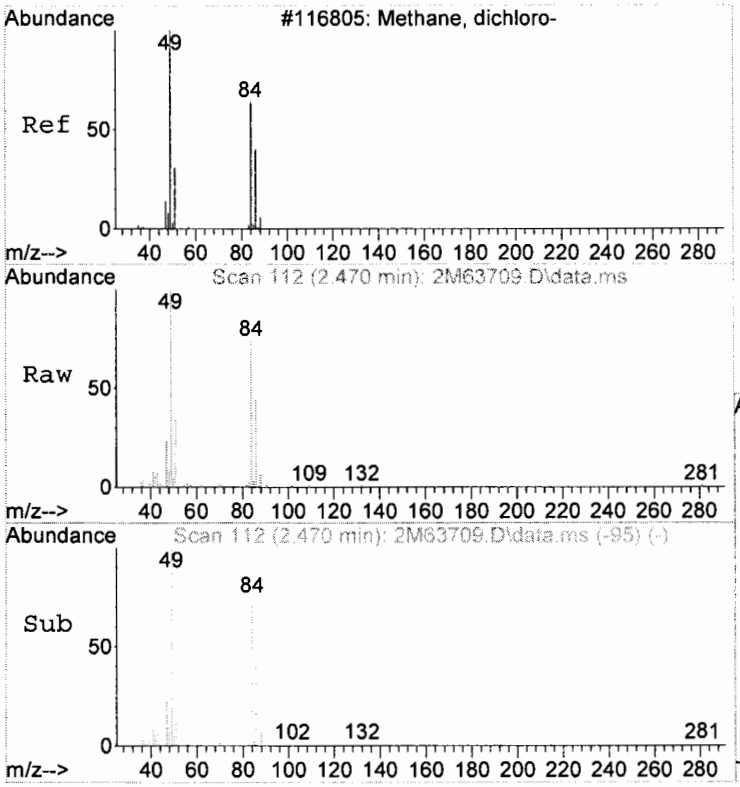
SampleID : AC57097-020(T) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63709.D Sam Mult : 1 Vial# : 29 Qt On : 03/04/11 06:38
Acq On : 03/ 3/11 15:31 Misc : A,5ML!1 Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.271	96	267945	30.00 ug/l	-0.04
51) Chlorobenzene-d5	6.075	117	228822	30.00 ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	137836	30.00 ug/l	-0.04
System Monitoring Compounds					
36) Dibromofluoromethane	3.813	111	66521	29.94 ug/l	-0.04
Spiked Amount 30.000			Recovery =	99.80%	
38) 1,2-Dichloroethane-d4	4.054	67	43533	30.93 ug/l	-0.04
Spiked Amount 30.000			Recovery =	103.10%	
65) Toluene-d8	5.221	98	286364	28.31 ug/l	-0.04
Spiked Amount 30.000			Recovery =	94.37%	
75) Bromofluorobenzene	6.767	174	119816	27.83 ug/l	-0.04
Spiked Amount 30.000			Recovery =	92.77%	
Target Compounds					Qvalue
15) Methylene Chloride	2.470	84	54157	16.56 ug/l	92
19) Acetone	2.174	43	18328	22.23 ug/l	76
35) Chloroform	3.687	83	4211	0.90 ug/l	68
73) Ethylbenzene	6.141	106	7384	2.21 ug/l	55
76) Styrene	6.460	104	6136	0.60 ug/l	88
77) m&p-Xylenes	6.214	106	13566	2.40 ug/l	57
78) o-Xylene	6.448	106	5970	1.04 ug/l	88
90) n-Propylbenzene	6.911	91	5769	0.34 ug/l	99
92) 1,3,5-Trimethylbenzene	7.008	105	9054	0.79 ug/l	74
95) 1,2,4-Trimethylbenzene	7.236	105	27586	2.34 ug/l	99

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

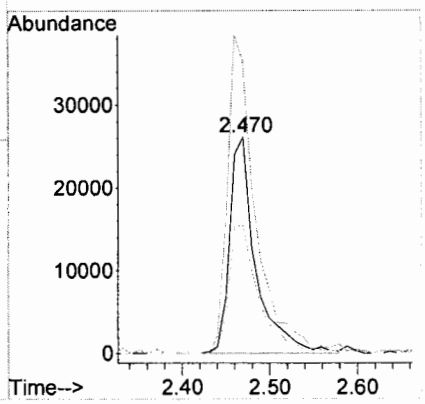

Abundance
TIC: 2M63709.D\data.ms
Quant QT Reviewed
SampleID : AC57097-020(T)
Data File: 2M63709.D
Acq On : 03/ 3/11 15:31
Operator : wp
Sam Mult : 1 Vial# : 29
Misc : A,5ML!1
Qt Meth : 2M_A0225.M
Qt On : 03/04/11 06:38
Qt Upd On: 02/28/11 07:08
Acetone,T
Methylene Chloride,T
Chloroform,C
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
Styrene,T
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

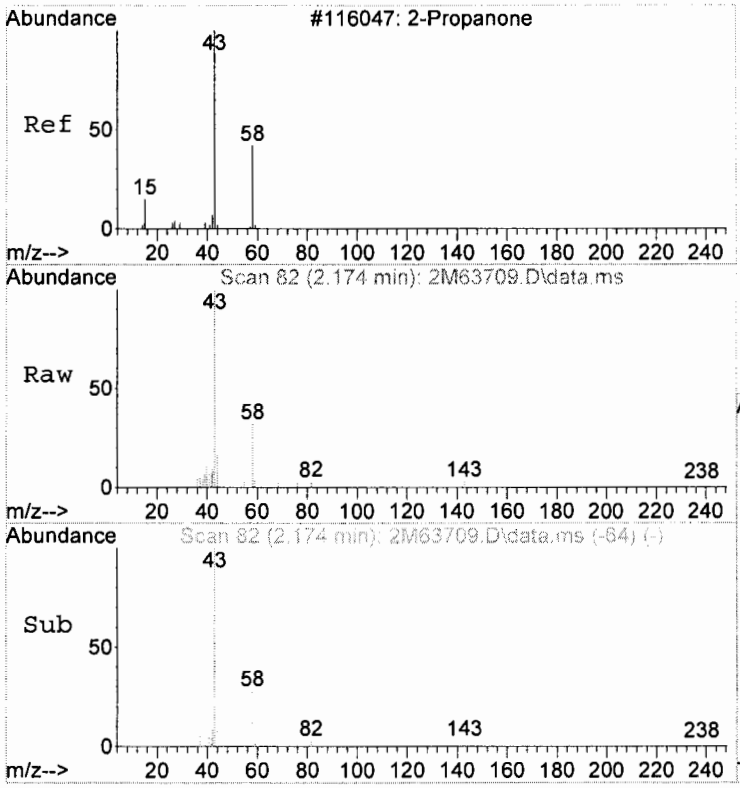


#15
Methylene Chloride
Concen: 16.56 ug/l
RT: 2.470 min Scan# 112
Delta R.T. -0.030 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion: 84 Resp: 54157

Ion	Ratio	Lower	Upper
84	100		
49	135.3	56.4	225.6
86	58.0	28.0	112.0

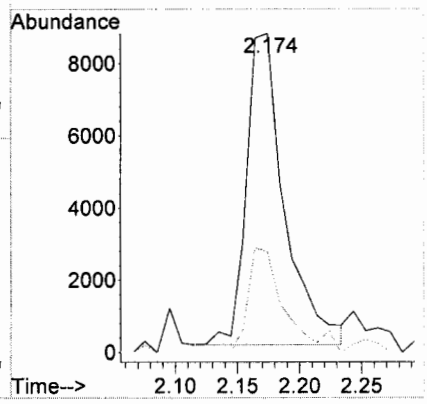


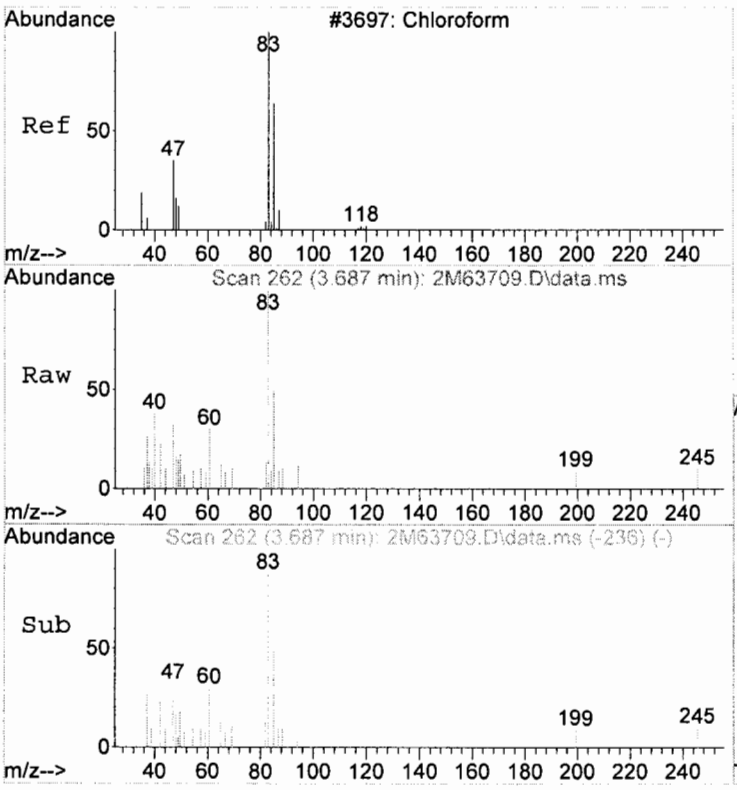


#19
Acetone
Concen: 22.23 ug/l
RT: 2.174 min Scan# 82
Delta R.T. -0.020 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion: 43 Resp: 18328

Ion	Ratio	Lower	Upper
43	100		
58	32.4	0.0	61.3

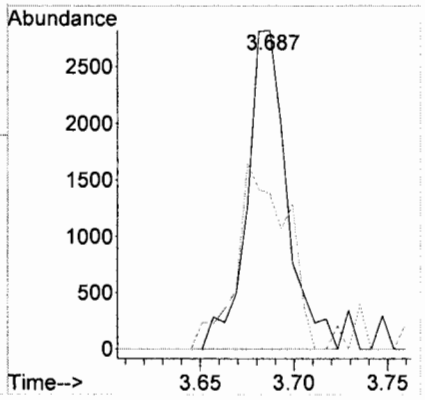


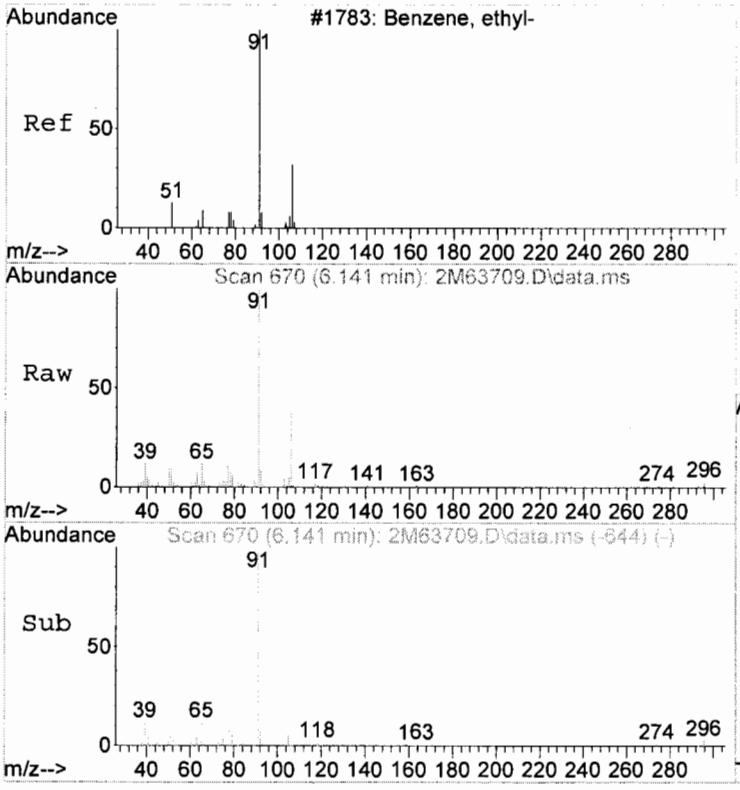


#35
Chloroform
Concen: 0.90 ug/l
RT: 3.687 min Scan# 262
Delta R.T. -0.042 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion: 83 Resp: 4211

Ion	Ratio	Lower	Upper
83	100		
85	48.9	36.0	116.0

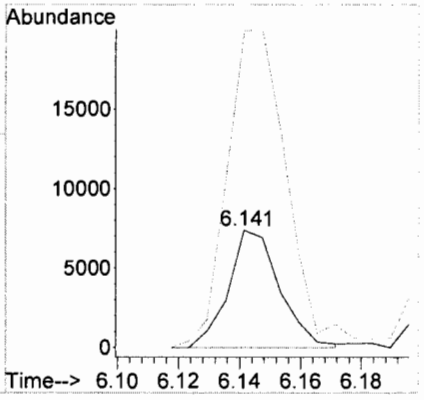


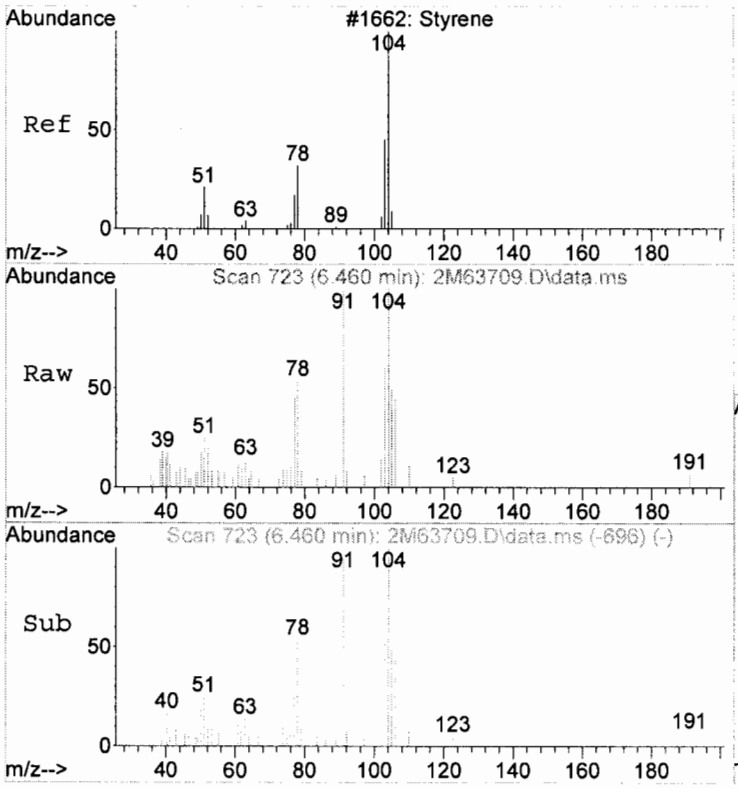


#73
Ethylbenzene
Concen: 2.21 ug/l
RT: 6.141 min Scan# 670
Delta R.T. -0.042 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion:106 Resp: 7384

Ion	Ratio	Lower	Upper
106	100		
91	264.0	219.2	511.6

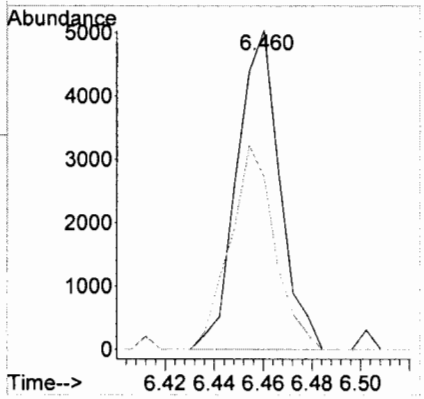


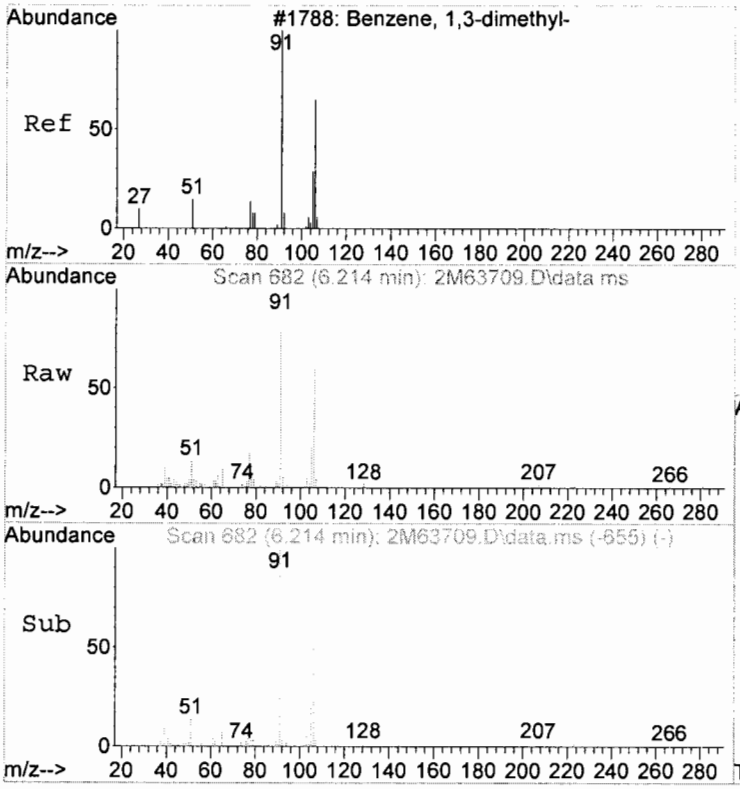


#76
Styrene
Concen: 0.60 ug/l
RT: 6.460 min Scan# 723
Delta R.T. -0.036 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion:104 Resp: 6136

Ion	Ratio	Lower	Upper
104	100		
78	54.1	23.2	103.2

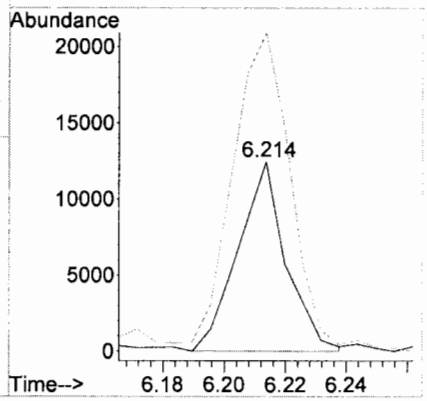


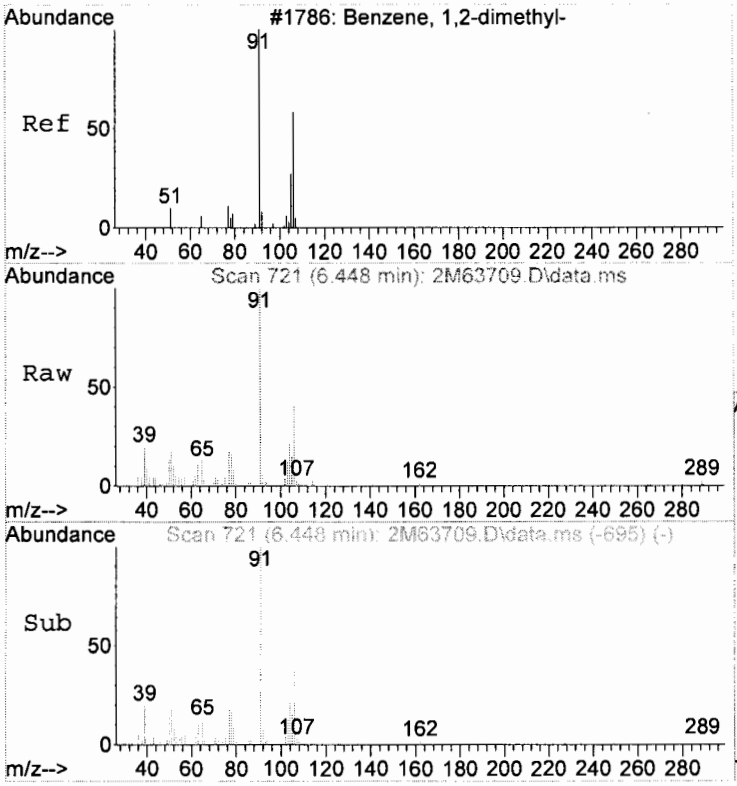


#77
m&p-Xylenes
Concen: 2.40 ug/l
RT: 6.214 min Scan# 682
Delta R.T. -0.035 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion:106 Resp: 13566

Ion	Ratio	Lower	Upper
106	100		
91	164.3	142.4	332.2

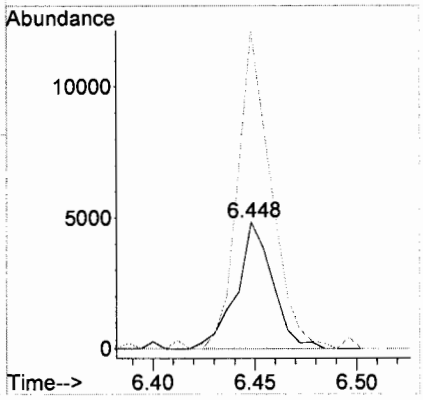


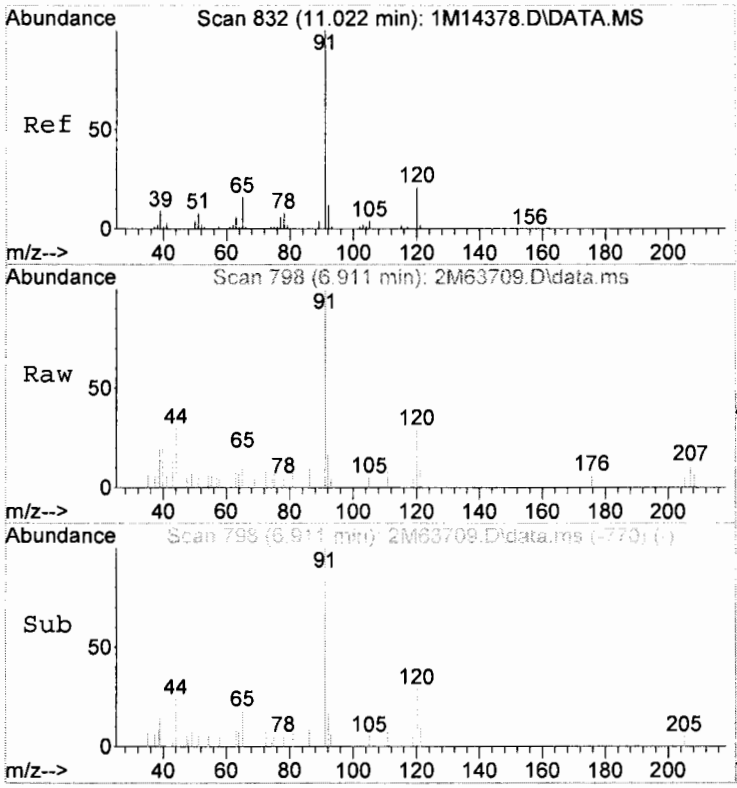


#78
o-Xylene
Concen: 1.04 ug/l
RT: 6.448 min Scan# 721
Delta R.T. -0.042 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion:106 Resp: 5970

Ion	Ratio	Lower	Upper
106	100		
91	251.6	164.4	383.6

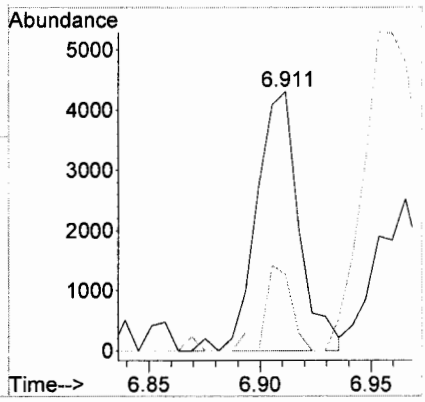


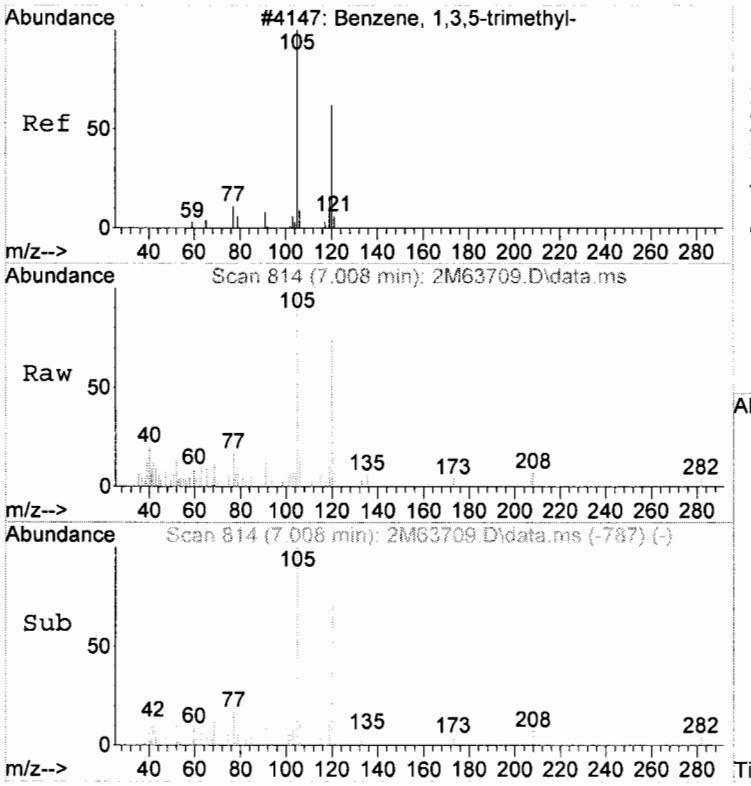


#90
n-Propylbenzene
Concen: 0.34 ug/l
RT: 6.911 min Scan# 798
Delta R.T. -0.030 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion: 91 Resp: 5769

Ion	Ratio	Lower	Upper
91	100		
120	20.5	0.0	60.9

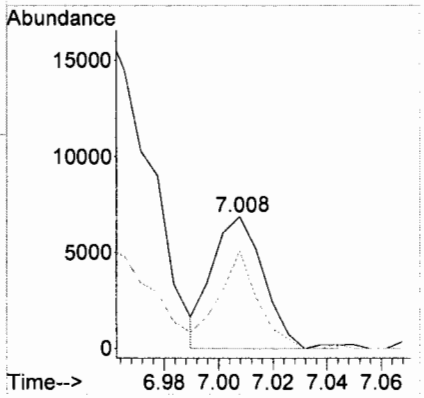


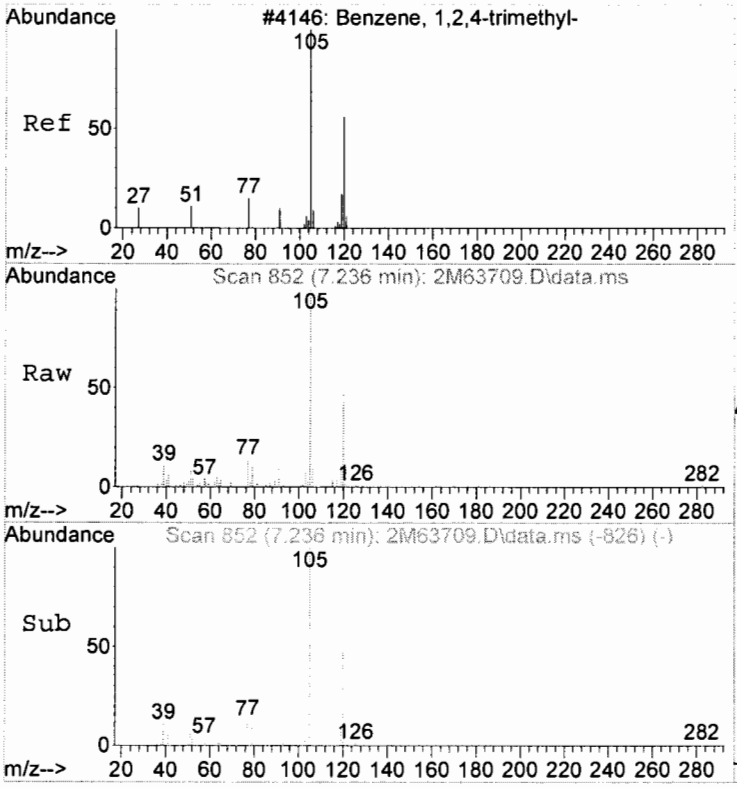


#92
1,3,5-Trimethylbenzene
Concen: 0.79 ug/l
RT: 7.008 min Scan# 814
Delta R.T. -0.035 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion:105 Resp: 9054

Ion	Ratio	Lower	Upper
105	100		
120	55.8	0.0	80.0

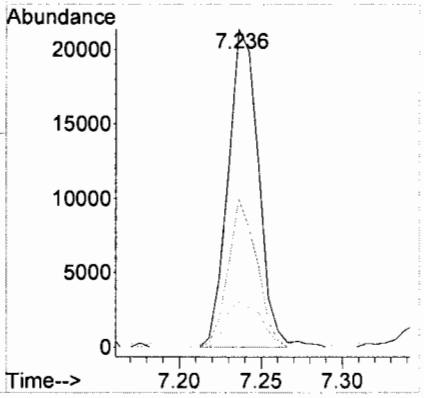




#95
1,2,4-Trimethylbenzene
Concen: 2.34 ug/l
RT: 7.236 min Scan# 852
Delta R.T. -0.042 min
Lab File: 2M63709.D
Acq: 3 Mar 2011 15:31

Tgt Ion:105 Resp: 27586

Ion	Ratio	Lower	Upper
105	100		
120	43.8	3.2	83.2
77	17.5	0.0	57.5



SPLP
GC/MS Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

0116

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M65288.	CAL @ 20 PPB	02/02/11 11:56	2	6M65283.	CAL @ 5 PPB	02/02/11 10:25
3	6M65289.	CAL @ 10 PPB	02/02/11 12:13	4	6M65287.	CAL @ 50 PPB	02/02/11 11:40
5	6M65286.	CAL @ 100 PPB	02/02/11 11:22	6	6M65285.	CAL @ 250 PPB	02/02/11 11:06
7	6M65284.	CAL @ 500 PPB	02/02/11 10:48	8	6M65281.	CAL @ 1 PPB	02/02/11 09:52
9	6M65282.	CAL @ 0.5 PPB	02/02/11 10:09				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.5652	0.6250	0.6307	0.5542	0.6206	0.6229	0.6969	0.6578	-----	0.622	1.46	0.997	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.3569	0.2936	0.3409	0.3535	0.3877	0.3986	0.4520	0.3092	-----	0.362	1.45	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.3268	0.3295	0.3394	0.3368	0.3784	0.4087	0.4881	0.3715	-----	0.372	1.60	0.993	1.00	15	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Qua	0.1552	0.0819	0.1388	0.1788	0.2210	0.2182	-----	0.0134	-----	0.144	1.94	0.999	0.999	52		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.2715	0.2427	0.2711	0.2670	0.2978	0.2907	0.3128	0.2488	-----	0.275	1.67	0.999	1.00	8.7	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1715	0.1648	0.1852	0.1723	0.1831	0.1795	0.1807	0.1480	-----	0.173	2.01	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.2044	0.1872	0.2233	0.2146	0.2382	0.2627	0.2450	0.1982	-----	0.222	2.21	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.2834	0.2574	0.2282	0.3010	0.2395	0.2548	0.3141	0.2267	-----	0.263	2.43	0.991	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	1.0269	0.9192	0.8178	1.0812	0.8678	0.9206	1.0779	0.9114	-----	0.953	2.45	0.994	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.1508	0.1180	0.1143	0.1652	0.1723	0.1817	0.1805	0.0718	-----	0.144	2.61	1.00	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3452	0.3277	0.3551	0.3502	0.3557	0.3546	0.3372	0.3481	-----	0.347	2.96	0.999	1.00	2.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0594	0.0479	0.0437	0.0599	0.0497	0.0537	0.0606	0.0418	-----	0.0521	2.51	0.996	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1503	0.0990	0.1387	0.1328	0.1497	0.1547	0.1471	0.1270	-----	0.137	3.13	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Lin	0.3272	0.1560	0.3094	0.2885	0.2422	0.2004	0.1948	0.0592	-----	0.222	2.72	0.997	0.998	40		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1561	0.1365	0.1313	0.1509	0.1291	0.1425	0.1341	0.1783	-----	0.145	2.62	0.999	0.999	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Lin	0.5854	0.5059	0.5718	0.5991	0.6388	0.6477	0.6457	0.4800	-----	0.584	2.78	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0274	0.0191	0.0219	0.0244	0.0250	0.0267	0.0248	0.0248	-----	0.0243	3.03	0.999	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.2667	0.1824	0.2422	0.2773	0.3002	0.2987	0.2891	0.1930	-----	0.256	3.41	1.00	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	LinF	1.5504	1.1150	1.4721	1.5825	1.5624	1.5268	1.3235	1.0191	-----	1.39	3.56	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.5737	0.4545	0.4866	0.5901	0.5414	0.5808	0.5847	0.4094	-----	0.528	2.60	1.00	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.4274	0.3763	0.4055	0.4085	0.4087	0.4309	0.4113	0.3518	-----	0.403	2.88	0.999	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.7324	0.5170	0.6670	0.7192	0.7129	0.7116	0.6280	0.5206	0.4413	0.628	3.18	0.996	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.6464	0.5720	0.6446	0.6589	0.6716	0.6748	0.6208	0.5709	-----	0.633	3.51	0.998	1.00	6.5	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2795	0.2246	0.2718	0.2802	0.2897	0.2830	0.2642	0.2400	-----	0.267	3.18	0.999	1.00	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6542	0.5066	0.6230	0.6735	0.6837	0.6786	0.6093	0.5091	-----	0.617	3.94	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3745	0.4185	0.3686	0.3492	0.3495	0.3689	0.3426	0.3752	-----	0.368	4.10	0.999	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Lin	0.3267	0.2660	0.2880	0.3350	0.3536	0.3680	0.3469	0.2283	-----	0.314	3.95	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.5467	0.4046	0.4999	0.5334	0.5199	0.5372	0.4701	0.3542	-----	0.483	3.98	0.996	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0031	0.0019	0.0027	0.0030	0.0030	0.0027	0.0024	0.0020	-----	0.00265	5.01	0.993	1.00	17		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4278	0.3073	0.4119	0.4322	0.4414	0.4180	0.3555	0.2985	-----	0.387	4.38	0.993	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5420	0.4756	0.5315	0.5320	0.5497	0.5436	0.5117	0.4825	-----	0.521	4.15	0.999	1.00	5.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2698	0.2814	0.2664	0.2642	0.2662	0.2666	0.2628	0.2874	0.2958	0.273	4.25	-1	-1	4.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.4443	0.2801	0.3999	0.4673	0.4978	0.4676	0.4276	0.2518	-----	0.405	4.32	0.997	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1896	0.2049	0.1900	0.1846	0.1831	0.1842	0.1867	0.1989	0.2132	0.193	4.45	-1	-1	5.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.5140	0.4607	0.4960	0.5003	0.4856	0.4554	0.3796	0.4673	0.4143	0.464	4.49	0.991	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1759	0.1448	0.1896	0.1791	0.1802	0.1728	0.1546	0.1841	-----	0.173	3.94	0.997	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3630	0.3059	0.3535	0.3647	0.3828	0.3794	0.3568	0.2998	-----	0.351	4.28	0.999	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2838	0.2470	0.2608	0.2712	0.2811	0.2705	0.2518	0.2088	-----	0.259	4.38	0.999	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	LinF	0.9997	0.6150	0.7263	0.9268	0.9448	0.9358	0.8705	0.4375	-----	0.807	3.53	0.999	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.3916	0.3350	0.3995	0.3948	0.4017	0.4059	0.3900	0.3108	-----	0.379	5.08	1.00	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	LinF	0.2761	0.1787	0.2410	0.2892	0.2958	0.2620	-----	0.1668	-----	0.244	4.95	0.997	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

0117

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M65288.	CAL @ 20 PPB	02/02/11 11:56	2	6M65283.	CAL @ 5 PPB	02/02/11 10:25
3	6M65289.	CAL @ 10 PPB	02/02/11 12:13	4	6M65287.	CAL @ 50 PPB	02/02/11 11:40
5	6M65286.	CAL @ 100 PPB	02/02/11 11:22	6	6M65285.	CAL @ 250 PPB	02/02/11 11:06
7	6M65284.	CAL @ 500 PPB	02/02/11 10:48	8	6M65281.	CAL @ 1 PPB	02/02/11 09:52
9	6M65282.	CAL @ 0.5 PPB	02/02/11 10:09				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	LinF	0.1351	0.1092	0.1437	0.1425	0.1374	0.1396	0.1329	0.0252	-----	0.121	5.01	0.999	1.00	33		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3560	0.3051	0.3560	0.3538	0.3566	0.3198	0.2547	0.3029	-----	0.326	4.95	0.984	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2466	0.2059	0.2392	0.2518	0.2582	0.2508	0.2206	0.1969	-----	0.234	4.83	0.996	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.2617	1.0819	1.2485	1.2156	1.1843	1.0467	0.8217	1.0000	0.9409	1.09	4.49	0.982	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	LinF	0.7801	0.5446	0.7031	0.7803	0.7741	0.7642	0.6424	0.4528	-----	0.680	4.54	0.992	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	1.3749	0.9465	1.2816	1.3098	1.3076	1.2802	1.0631	0.9228	-----	1.19	4.50	0.991	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	LinF	0.7703	0.4888	0.6818	0.7753	0.7927	0.8011	0.7410	0.4726	-----	0.690	4.98	0.998	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.3981	0.3195	0.3783	0.4091	0.4198	0.4411	0.4334	0.3164	-----	0.390	5.89	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.3305	0.2067	0.2943	0.3495	0.3738	0.3910	0.3721	0.1740	-----	0.312	5.22	0.999	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.7243	0.5100	0.6527	0.7501	0.7773	0.8081	0.7534	0.4905	-----	0.683	5.31	0.999	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloropropene	1	0	LinF	0.5980	0.4417	0.5360	0.6353	0.6491	0.7065	0.6579	0.3861	-----	0.576	5.58	0.999	0.999	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.7901	0.5057	0.6963	0.7993	0.8243	0.8418	0.7686	0.4951	-----	0.715	5.61	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3900	0.3355	0.4000	0.3787	0.3834	0.3800	0.3443	0.3739	-----	0.373	5.67	0.998	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.3905	0.3110	0.3789	0.3909	0.3944	0.4143	0.3970	0.2906	-----	0.371	5.96	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7541	0.6286	0.7299	0.7355	0.7111	0.6593	0.5580	0.6496	-----	0.678	5.76	0.992	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.7726	0.4755	0.7013	0.7827	0.7970	0.8428	0.8142	0.4505	-----	0.705	5.37	1.00	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.5404	0.3453	0.4468	0.5405	0.5414	0.5548	0.5151	0.3866	-----	0.484	5.79	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2904	0.2401	0.2794	0.2794	0.2799	0.2602	0.2322	0.2599	-----	0.265	5.78	0.996	1.00	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.5034	1.4969	1.4898	1.4882	1.5055	1.5057	1.5768	1.4084	1.3868	1.48	5.45	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0953	0.9424	1.0695	1.0741	1.0641	1.0040	0.8586	0.9150	-----	1.00	5.49	0.993	1.00	8.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.3211	0.2622	0.2994	0.3148	0.3162	0.3074	0.2736	0.2953	-----	0.299	6.24	0.996	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.0710	0.9237	1.0542	1.0938	1.0499	1.0129	0.9039	0.9712	-----	1.01	6.21	0.996	1.00	7.0	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	2.2886	1.3407	1.9387	2.5371	2.5962	2.7024	2.4597	1.3416	-----	2.15	6.45	0.998	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	2.9024	1.8494	2.5398	2.9811	2.9640	3.0140	2.6661	1.9399	-----	2.61	6.57	0.996	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5499	0.4166	0.4938	0.5655	0.5736	0.6316	0.6085	0.5133	-----	0.544	6.63	0.999	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	1.1880	0.8343	1.0855	1.1958	1.1589	0.9732	-----	0.8326	-----	1.04	6.25	0.993	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	1.2317	1.0262	1.1097	1.1592	1.1393	1.1487	1.0112	1.5335	-----	1.17	6.85	0.996	1.00	14	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8248	0.8186	0.8078	0.8141	0.8121	0.8693	0.8813	0.7998	0.7675	0.822	6.80	-1	-1	4.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	LinF	2.5338	1.7436	2.3278	2.5133	2.4086	2.0334	-----	1.4507	-----	2.14	6.52	0.993	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	1.4805	1.0653	1.3597	1.4279	1.3546	1.1463	-----	0.9564	0.8217	1.20	6.31	0.994	1.00	20		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	1.4158	1.0418	1.3501	1.4005	1.3157	1.1069	-----	0.8188	-----	1.21	6.52	0.993	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.6258	0.4591	0.5187	0.5992	0.5812	0.5520	0.4462	0.5288	-----	0.539	6.87	0.987	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.5047	1.2309	1.5010	1.4914	1.4117	1.3035	1.0808	1.2622	-----	1.35	7.39	0.990	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.5453	1.3464	1.5782	1.5097	1.4836	1.4876	1.3435	1.7816	-----	1.51	7.44	0.997	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.4492	1.2525	1.4497	1.4452	1.4237	1.3918	1.2960	1.4039	-----	1.39	7.65	0.999	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	3.2940	2.1716	2.9498	3.4443	3.4559	3.2538	2.8338	1.8505	-----	2.91	6.71	0.994	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0461	0.0338	0.0402	0.0450	0.0470	0.0470	0.0457	0.0468	-----	0.0440	6.76	1.00	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.8997	0.5745	0.8306	0.9283	0.9477	0.8424	-----	0.6115	-----	0.805	6.87	0.997	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.3-Trichloropropane	1	0	Avg	1.4551	1.1724	1.3810	1.4299	1.3664	1.2454	0.9452	1.5428	-----	1.32	6.88	0.977	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	3.1790	2.5521	3.0339	2.9804	2.7680	2.1541	-----	2.4946	-----	2.74	6.98	0.985	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	LinF	3.7719	2.6892	3.5731	3.8092	3.6500	3.3218	-----	2.3413	-----	3.31	6.98	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Avg Rsd: 14.5

Flags

a - failed the spcc criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria(if applicable)
** - ccc compound*
*** - spcc compound*

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

0118

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M65288.	CAL @ 20 PPB	02/02/11 11:56	2	6M65283.	CAL @ 5 PPB	02/02/11 10:25
3	6M65289.	CAL @ 10 PPB	02/02/11 12:13	4	6M65287.	CAL @ 50 PPB	02/02/11 11:40
5	6M65286.	CAL @ 100 PPB	02/02/11 11:22	6	6M65285.	CAL @ 250 PPB	02/02/11 11:06
7	6M65284.	CAL @ 500 PPB	02/02/11 10:48	8	6M65281.	CAL @ 1 PPB	02/02/11 09:52
9	6M65282.	CAL @ 0.5 PPB	02/02/11 10:09				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	2.8924	2.6812	2.8795	2.8757	2.7984	2.5748	2.0984	2.5464	-----	2.67	7.04	0.988	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	4.3848	3.2563	4.1147	4.4169	4.4022	4.1211	3.5476	2.9285	-----	3.90	6.92	0.993	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.6042	2.1192	2.5107	2.5963	2.4984	2.2533	1.8873	2.4141	-----	2.36	6.89	0.990	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	LinF	2.8242	2.0053	2.6543	2.7604	2.6581	2.1790	-----	1.6884	-----	2.40	7.01	0.991	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Avg	2.4523	1.7444	2.1721	2.4407	2.3592	2.1898	1.7871	1.8682	-----	2.13	7.02	0.988	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	LinF	2.2469	1.4625	2.0018	2.3788	2.3679	2.2722	2.0005	1.3305	-----	2.01	7.19	0.995	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	LinF	2.9000	1.9223	2.6649	2.8909	2.8410	2.6836	2.3378	1.5985	-----	2.48	7.22	0.994	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	2.9874	1.9580	2.7164	3.0823	3.1238	2.9898	2.6470	1.5925	-----	2.64	7.31	0.996	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	LinF	2.2807	1.4227	2.0232	2.3246	2.2941	2.0622	-----	1.1453	-----	1.94	7.39	0.997	1.00	24	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	LinF	2.8464	1.8650	2.6853	2.9172	2.9425	2.7123	2.3890	1.7943	-----	2.52	7.62	0.995	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.1830	0.6704	1.0085	1.2661	1.3042	1.2225	1.1126	0.7300	-----	1.06	7.60	0.997	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.9493	1.0014	1.5913	2.2698	2.3199	2.2687	2.0643	1.0565	-----	1.82	8.04	0.997	1.00	30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chlorop	1	0	LinF	0.1552	0.1023	0.1469	0.1646	0.1723	0.1796	0.1806	0.1742	-----	0.160	8.08	1.00	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0806	0.0359	0.0604	0.0886	0.0886	0.0794	0.0728	0.0461	0.0724	0.0695	8.51	0.997	1.00	27	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.2689	0.2026	0.2645	0.2715	0.2713	0.2618	0.2531	0.2503	-----	0.256	8.66	1.00	1.00	8.9	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	0.7725	0.5008	0.7307	0.7919	0.7891	0.7895	0.7462	0.6743	-----	0.724	8.57	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	0.7011	0.4609	0.6260	0.7251	0.7297	0.7302	0.6823	0.6264	-----	0.660	8.86	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	2.0981	1.0185	1.6911	2.2414	2.2364	2.2699	2.0354	1.3587	-----	1.87	8.72	0.997	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65288.D Sam Mult : 1 Vial# : 14 Qt On : 02/02/11 12:15
Acq On : 02/ 2/11 11:56 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.634	96	193186	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	118546	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.429	152	52208	30.00	ug/l		0.02
System Monitoring Compounds							
36) Dibromofluoromethane	4.249	111	52123	29.20	ug/l		0.01
Spiked Amount 30.000			Recovery = 97.33%				
38) 1,2-Dichloroethane-d4	4.447	67	36633	29.72	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.07%				
65) Toluene-d8	5.451	98	178223	30.50	ug/l		0.01
Spiked Amount 30.000			Recovery = 101.67%				
75) Bromofluorobenzene	6.798	174	43061	29.08	ug/l		0.01
Spiked Amount 30.000			Recovery = 96.93%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.465	51	72796	18.32	ug/l		96
6) Dichlorodifluoromethane	1.448	85	45965	17.80	ug/l		87
7) Chloromethane	1.603	50	42090	16.23	ug/l		82
8) Bromomethane	1.943	94	19988	19.83	ug/l		87
9) Vinyl Chloride	1.672	62	34972	19.17	ug/l		94
10) Chloroethane	2.006	64	22095	18.73	ug/l		94
11) Trichlorofluoromethane	2.208	101	26331	17.23	ug/l		90
12) Ethyl ether	2.427	59	36499	20.98	ug/l		89
13) Furan	2.451	39	132265	19.21	ug/l		76
14) 1,1,2-Trichloro-1,2,2-...	2.608	101	19422	21.73	ug/l		85
15) Methylene Chloride	2.956	84	44462	19.83	ug/l		77
16) Acrolein	2.506	56	38257	115.46	ug/l		97
17) Acrylonitrile	3.131	53	19366	22.81	ug/l		97
18) Iodomethane	2.722	142	42144	30.66	ug/l		92
19) Acetone	2.620	43	100543	116.93	ug/l		99
20) Carbon Disulfide	2.782	76	75403	18.28	ug/l		100
21) t-Butyl Alcohol	3.029	59	17698	118.01	ug/l		81
22) n-Hexane	3.407	57	34349	24.92	ug/l		97
23) Di-isopropyl-ether	3.564	45	199678	22.70	ug/l		96
24) 1,1-Dichloroethene	2.602	61	73889	21.96	ug/l		89
25) Methyl Acetate	2.878	43	55050	21.89	ug/l		100
26) Methyl-t-butyl ether	3.185	73	94331	23.70	ug/l		79
27) 1,1-Dichloroethane	3.509	63	83261	19.96	ug/l		96
28) trans-1,2-Dichloroethene	3.185	96	36001	20.49	ug/l		85
29) cis-1,2-Dichloroethene	3.942	61	84258	21.24	ug/l		95
30) Bromochloromethane	4.099	49	48232	21.34	ug/l	#	55
31) 2,2-Dichloropropane	3.954	77	42080	22.26	ug/l		98
32) Ethyl acetate	3.978	43	70418	21.97	ug/l		87
33) 1,4-Dioxane	5.006	88	20294	1257.05	ug/l		59
34) 1,1-Dichloropropene	4.375	75	55107	22.36	ug/l		98
35) Chloroform	4.147	83	69805	20.72	ug/l		90
37) Cyclohexane	4.321	56	57231	23.03	ug/l		77
39) 1,2-Dichloroethane	4.489	62	66205	21.58	ug/l		94
40) 2-Butanone	3.942	43	22663	20.58	ug/l		91
41) 1,1,1-Trichloroethane	4.279	97	46759	20.27	ug/l		97
42) Carbon Tetrachloride	4.381	117	36560	21.75	ug/l		98
43) Vinyl Acetate	3.533	43	128759	23.88	ug/l		100
44) Bromodichloromethane	5.078	83	50435	20.57	ug/l		94
45) Methylcyclohexane	4.946	83	35561	24.11	ug/l		77
46) Dibromomethane	5.006	174	17409	20.45	ug/l		92
47) 1,2-Dichloropropane	4.946	63	45849	22.33	ug/l		96
48) Trichloroethene	4.832	130	31764	20.72	ug/l		85
49) Benzene	4.489	78	162506	23.00	ug/l		100
50) tert-Amyl methyl ether	4.543	73	100474	22.95	ug/l		72
52) Iso-propylacetate	4.501	43	108663	22.82	ug/l		86
53) Methyl methacrylate	4.982	41	60878	22.14	ug/l		83
54) Dibromochloromethane	5.890	129	31462	20.17	ug/l		96
55) 2-Chloroethylvinylether	5.217	63	26126	22.56	ug/l		71
56) cis-1,3-Dichloropropene	5.307	75	57244	21.87	ug/l		92
57) trans-1,3-Dichloropropene	5.577	75	47267	21.55	ug/l		99
58) Ethyl methacrylate	5.607	41	62442	21.83	ug/l		92
59) 1,1,2-Trichloroethane	5.673	97	30829	21.40	ug/l		93
60) 1,2-Dibromoethane	5.956	107	30863	20.76	ug/l		93
61) 1,3-Dichloropropane	5.764	76	59600	23.03	ug/l		96
62) 4-Methyl-2-Pentanone	5.373	43	61061	22.31	ug/l		96
63) 2-Hexanone	5.788	43	42711	22.84	ug/l		91
64) Tetrachloroethene	5.776	164	22955	21.92	ug/l		90
66) Toluene	5.487	92	86567	22.40	ug/l		93
67) 1,1,1,2-Tetrachloroethane	6.239	133	25383	21.58	ug/l		69

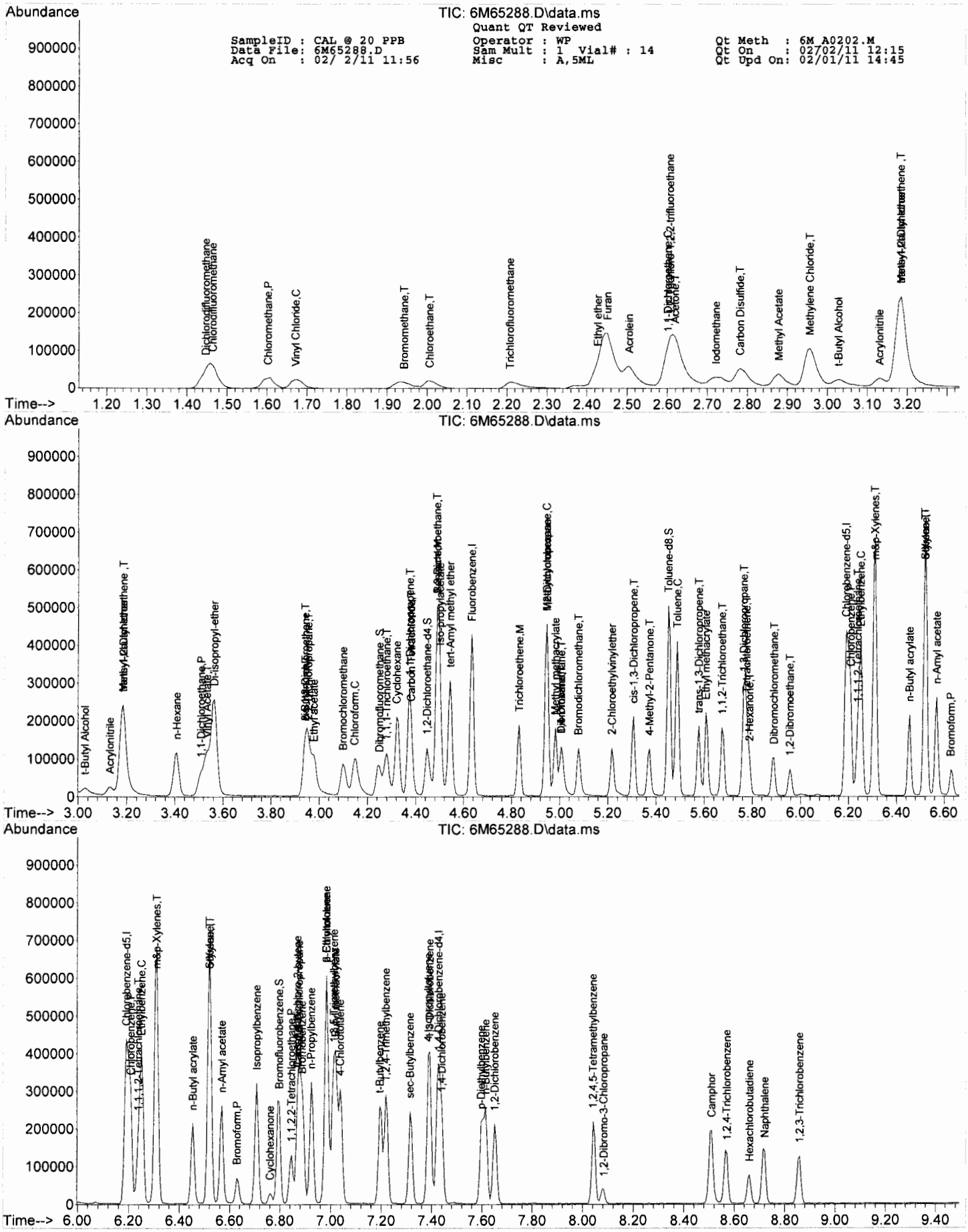
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65288.D Sam Mult : 1 Vial# : 14 Qt On : 02/02/11 12:15
Acq On : 02/ 2/11 11:56 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.208	112	84649	21.33	ug/l	99
70)	n-Butyl acrylate	6.455	55	79656	20.29	ug/l	93
71)	n-Amyl acetate	6.569	43	101021	21.82	ug/l	95
72)	Bromoform	6.629	173	19142	20.01	ug/l	95
73)	Ethylbenzene	6.251	106	41352	24.47	ug/l	94
74)	1,1,2,2-Tetrachloroethane	6.846	83	42872	21.78	ug/l	90
76)	Styrene	6.521	104	88191	24.64	ug/l	98
77)	m&p-Xylenes	6.311	106	103060	52.44	ug/l	100
78)	o-Xylene	6.521	106	49278	24.69	ug/l	81
79)	trans-1,4-Dichloro-2-b...	6.870	53	21782	24.74	ug/l	68
80)	1,3-Dichlorobenzene	7.393	146	52372	22.57	ug/l	94
81)	1,4-Dichlorobenzene	7.441	146	53787	21.13	ug/l	96
82)	1,2-Dichlorobenzene	7.651	146	50441	21.05	ug/l	96
83)	Isopropylbenzene	6.707	105	114649	22.80	ug/l	97
84)	Cyclohexanone	6.761	55	8038	114.00	ug/l	87
85)	Camphene	6.870	93	31316	22.63	ug/l	91
86)	1,2,3-Trichloropropane	6.876	75	50648	23.35	ug/l	80
87)	2-Chlorotoluene	6.984	91	110648	26.40	ug/l	91
88)	p-Ethyltoluene	6.984	105	131285	24.55	ug/l	77
89)	4-Chlorotoluene	7.038	91	100672	22.75	ug/l	95
90)	n-Propylbenzene	6.924	91	152616	22.77	ug/l	96
91)	Bromobenzene	6.888	77	90640	22.41	ug/l	86
92)	1,3,5-Trimethylbenzene	7.014	105	98299	24.84	ug/l	96
93)	Butyl methacrylate	7.020	41	85354	22.22	ug/l	97
94)	t-Butylbenzene	7.194	119	78207	22.51	ug/l	88
95)	1,2,4-Trimethylbenzene	7.218	105	100938	23.86	ug/l	95
96)	sec-Butylbenzene	7.314	105	103979	23.16	ug/l	92
97)	4-Isopropyltoluene	7.387	119	79382	24.93	ug/l	94
98)	n-Butylbenzene	7.615	91	99073	23.50	ug/l	88
99)	p-Diethylbenzene	7.597	119	41177	23.29	ug/l	97
100)	1,2,4,5-Tetramethylben...	8.042	119	67846	22.09	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.084	157	5404	20.42	ug/l	95
102)	Camphor	8.511	95	28056	255.45	ug/l	97
103)	Hexachlorobutadiene	8.661	225	9359	21.66	ug/l	94
104)	1,2,4-Trichlorobenzene	8.571	180	26890	22.09	ug/l	97
105)	1,2,3-Trichlorobenzene	8.859	180	24404	22.24	ug/l	96
106)	Naphthalene	8.721	128	73027	22.83	ug/l	100

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


Abundance
TIC: 6M65288.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65288.D
Acq On : 02/ 2/11 11:56
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02702/11 12:15
Qt Upd On: 02/01/11 14:45
Dichlorodifluoromethane
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 6M65288.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->

Abundance
TIC: 6M65288.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65283.D Sam Mult : 1 Vial# : 9 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:25 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.633	96	191574	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	119535	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.423	152	54297	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.243	111	53922	30.46	ug/l		0.00
Spiked Amount 30.000			Recovery = 101.53%				
38) 1,2-Dichloroethane-d4	4.447	67	39258	32.12	ug/l		0.00
Spiked Amount 30.000			Recovery = 107.07%				
65) Toluene-d8	5.451	98	178939	30.37	ug/l		0.01
Spiked Amount 30.000			Recovery = 101.23%				
75) Bromofluorobenzene	6.798	174	44448	28.86	ug/l		0.01
Spiked Amount 30.000			Recovery = 96.20%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.460	51	19958	5.06	ug/l		83
6) Dichlorodifluoromethane	1.442	85	9377	3.66	ug/l		93
7) Chloromethane	1.604	50	10523	4.09	ug/l		75
8) Bromomethane	1.938	94	2615	2.62	ug/l		88
9) Vinyl Chloride	1.667	62	7752	4.28	ug/l		95
10) Chloroethane	2.007	64	5263	4.50	ug/l		75
11) Trichlorofluoromethane	2.208	101	5980	3.95	ug/l		88
12) Ethyl ether	2.421	59	8220	4.77	ug/l		98
13) Furan	2.445	39	29352	4.30	ug/l		74
14) 1,1,2-Trichloro-1,2,2-...	2.608	101	3770	4.25	ug/l		88
15) Methylene Chloride	2.956	84	10463	4.71	ug/l		72
16) Acrolein	2.506	56	7647	23.27	ug/l		90
17) Acrylonitrile	3.131	53	3164	3.76	ug/l		82
18) Iodomethane	2.722	142	4981	3.65	ug/l		87
19) Acetone	2.620	43	21802	25.57	ug/l		92
20) Carbon Disulfide	2.782	76	16154	3.95	ug/l		100
21) t-Butyl Alcohol	3.023	59	3051	20.52	ug/l		97
22) n-Hexane	3.401	57	5824	4.26	ug/l		93
23) Di-isopropyl-ether	3.557	45	35603	4.08	ug/l		95
24) 1,1-Dichloroethene	2.602	61	14514	4.35	ug/l		91
25) Methyl Acetate	2.872	43	12016	4.82	ug/l		100
26) Methyl-t-butyl ether	3.179	73	16509	4.18	ug/l		84
27) 1,1-Dichloroethane	3.509	63	18264	4.42	ug/l		90
28) trans-1,2-Dichloroethene	3.185	96	7173	4.12	ug/l		91
29) cis-1,2-Dichloroethene	3.942	61	16178	4.11	ug/l		97
30) Bromochloromethane	4.092	49	13363	5.96	ug/l	#	48
31) 2,2-Dichloropropane	3.948	77	8494	4.53	ug/l		96
32) Ethyl acetate	3.978	43	12921	4.06	ug/l		86
33) 1,4-Dioxane	5.006	88	3122	195.01	ug/l		48
34) 1,1-Dichloropropene	4.369	75	9812	4.02	ug/l		98
35) Chloroform	4.147	83	15187	4.55	ug/l		86
37) Cyclohexane	4.321	56	8945	3.63	ug/l		77
39) 1,2-Dichloroethane	4.489	62	14710	4.84	ug/l		92
40) 2-Butanone	3.942	43	4624	4.23	ug/l		84
41) 1,1,1-Trichloroethane	4.279	97	9769	4.27	ug/l		99
42) Carbon Tetrachloride	4.381	117	7889	4.73	ug/l		79
43) Vinyl Acetate	3.527	43	19638	3.67	ug/l		100
44) Bromodichloromethane	5.078	83	10697	4.40	ug/l		98
45) Methylcyclohexane	4.946	83	5708	3.90	ug/l		82
46) Dibromomethane	5.006	174	3488	4.13	ug/l	#	54
47) 1,2-Dichloropropane	4.946	63	9744	4.79	ug/l		98
48) Trichloroethene	4.832	130	6577	4.33	ug/l		88
49) Benzene	4.489	78	34547	4.93	ug/l		100
50) tert-Amyl methyl ether	4.543	73	17389	4.00	ug/l		79
52) Iso-propylacetate	4.501	43	18857	3.93	ug/l		83
53) Methyl methacrylate	4.982	41	9740	3.51	ug/l		82
54) Dibromochloromethane	5.884	129	6367	4.05	ug/l		90
55) 2-Chloroethylvinylether	5.217	63	4118	3.53	ug/l		79
56) cis-1,3-Dichloropropene	5.301	75	10161	3.85	ug/l		85
57) trans-1,3-Dichloropropene	5.577	75	8801	3.98	ug/l		92
58) Ethyl methacrylate	5.607	41	10075	3.49	ug/l		89
59) 1,1,2-Trichloroethane	5.673	97	6684	4.60	ug/l		92
60) 1,2-Dibromoethane	5.956	107	6197	4.13	ug/l		96
61) 1,3-Dichloropropane	5.764	76	12524	4.80	ug/l		92
62) 4-Methyl-2-Pentanone	5.367	43	9474	3.43	ug/l		90
63) 2-Hexanone	5.782	43	6880	3.65	ug/l		93
64) Tetrachloroethene	5.770	164	4784	4.53	ug/l		85
66) Toluene	5.487	92	18775	4.82	ug/l		90
67) 1,1,1,2-Tetrachloroethane	6.238	133	5224	4.41	ug/l		66

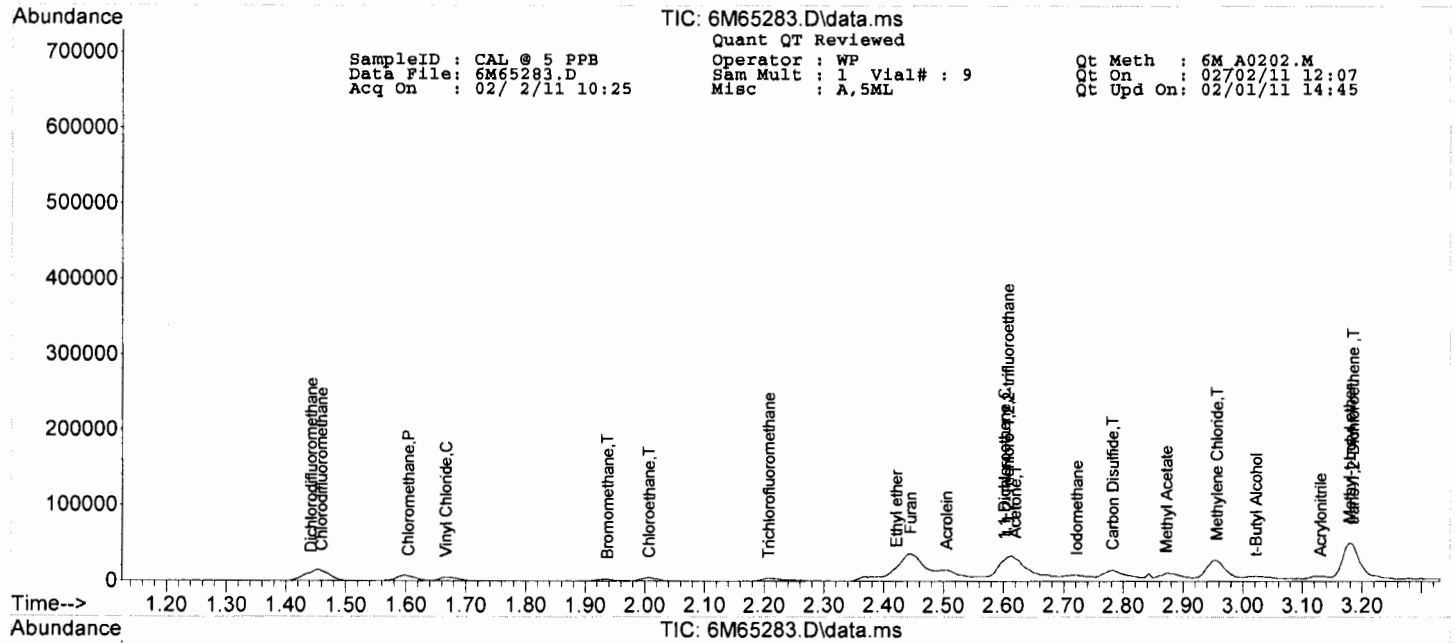
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65283.D Sam Mult : 1 Vial# : 9 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:25 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.202	112	18403	4.60 ug/l	97
70)	n-Butyl acrylate	6.449	55	12133	2.97 ug/l	94
71)	n-Amyl acetate	6.563	43	16737	3.48 ug/l	92
72)	Bromoform	6.629	173	3770	3.79 ug/l	95
73)	Ethylbenzene	6.250	106	7550	4.30 ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.840	83	9287	4.54 ug/l	91
76)	Styrene	6.521	104	15779	4.24 ug/l	97
77)	m&p-Xylenes	6.311	106	19281	9.43 ug/l	97
78)	o-Xylene	6.521	106	9428	4.54 ug/l	80
79)	trans-1,4-Dichloro-2-b...	6.870	53	4155	4.54 ug/l	78
80)	1,3-Dichlorobenzene	7.393	146	11139	4.61 ug/l	93
81)	1,4-Dichlorobenzene	7.435	146	12185m	4.60 ug/l	
82)	1,2-Dichlorobenzene	7.651	146	11335	4.55 ug/l	90
83)	Isopropylbenzene	6.707	105	19652	3.76 ug/l	97
84)	Cyclohexanone	6.761	55	1533	20.91 ug/l	79
85)	Camphene	6.870	93	5199	3.61 ug/l	93
86)	1,2,3-Trichloropropane	6.876	75	10610	4.70 ug/l	81
87)	2-Chlorotoluene	6.984	91	23096	5.30 ug/l	94
88)	p-Ethyltoluene	6.978	105	24336	4.38 ug/l	78
89)	4-Chlorotoluene	7.038	91	24264	5.27 ug/l	93
90)	n-Propylbenzene	6.924	91	29468	4.23 ug/l	97
91)	Bromobenzene	6.888	77	19178	4.56 ug/l	86
92)	1,3,5-Trimethylbenzene	7.008	105	18147	4.41 ug/l	94
93)	Butyl methacrylate	7.020	41	15786	3.95 ug/l	94
94)	t-Butylbenzene	7.194	119	13235	3.66 ug/l	91
95)	1,2,4-Trimethylbenzene	7.218	105	17396	3.95 ug/l	94
96)	sec-Butylbenzene	7.314	105	17719	3.79 ug/l	90
97)	4-Isopropyltoluene	7.387	119	12875	3.89 ug/l	94
98)	n-Butylbenzene	7.615	91	16878	3.85 ug/l	91
99)	p-Diethylbenzene	7.597	119	6067	3.30 ug/l	96
100)	1,2,4,5-Tetramethylben...	8.042	119	9063	2.84 ug/l	95
101)	1,2-Dibromo-3-Chloropr...	8.078	157	926	3.36 ug/l	87
102)	Camphor	8.505	95	3251	28.46 ug/l	97
103)	Hexachlorobutadiene	8.655	225	1834	4.08 ug/l	95
104)	1,2,4-Trichlorobenzene	8.565	180	4532	3.58 ug/l	95
105)	1,2,3-Trichlorobenzene	8.853	180	4171	3.65 ug/l	94
106)	Naphthalene	8.715	128	9217	2.77 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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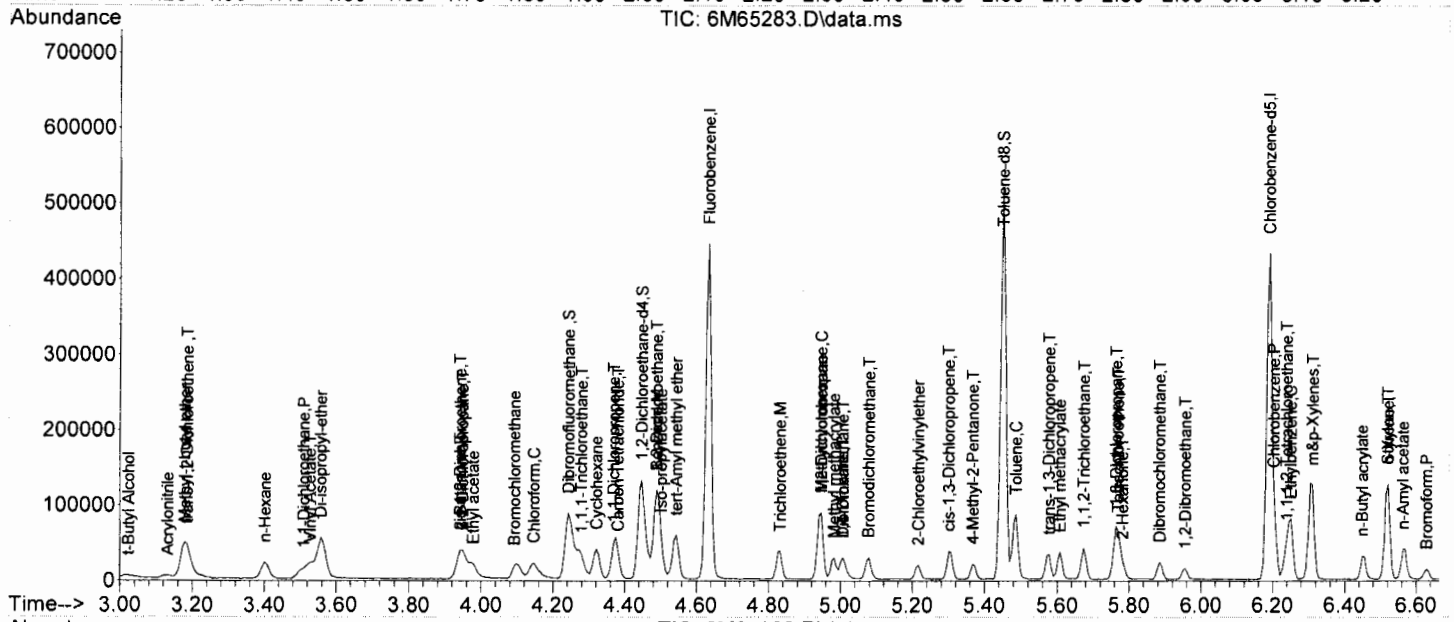
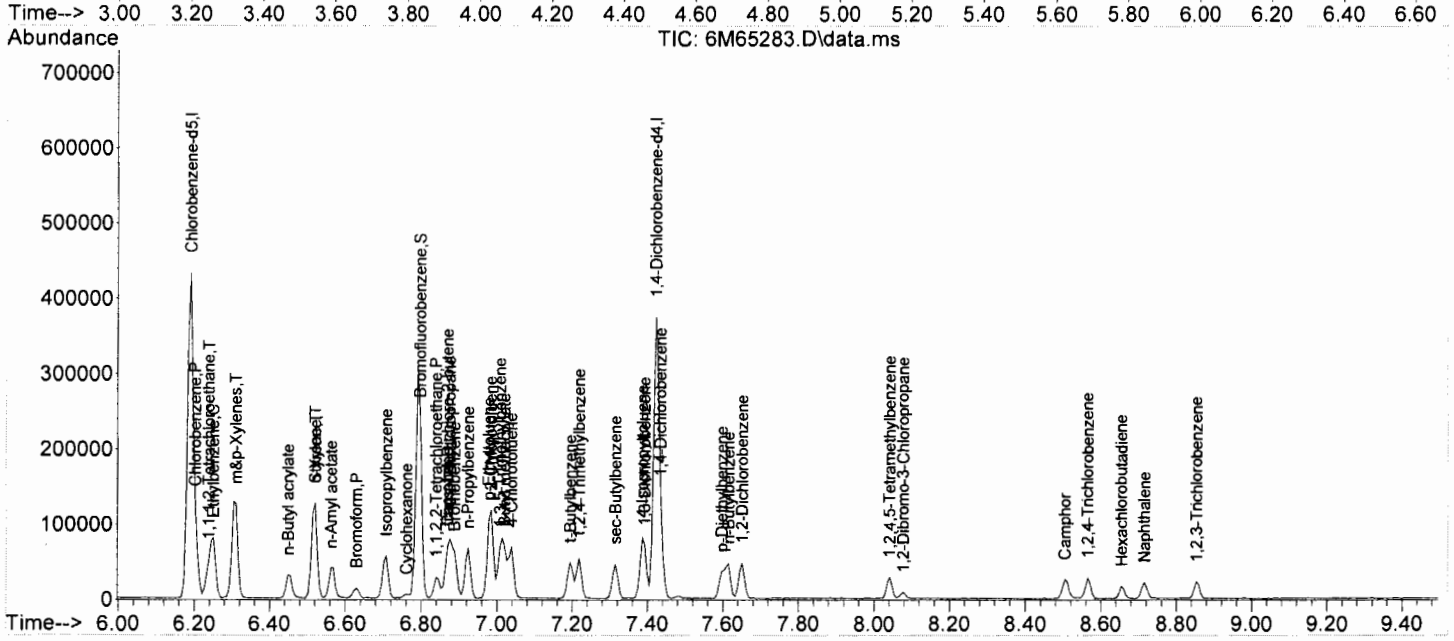
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 6M65283.D
Acq On : 02/ 2/11 10:25
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02702/11 12:07
Qt Upd On: 02/01/11 14:45
Dichlorodifluoromethane
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65283.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65283.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
1,4-Dichlorobenzene-d4,I
sec-Butylbenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65289.D Sam Mult : 1 Vial# : 15 Qt On : 02/02/11 12:25
Acq On : 02/ 2/11 12:13 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.633	96	192199	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	116551	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.423	152	53791	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.243	111	51204	28.83	ug/l		0.00
Spiked Amount 30.000			Recovery = 96.10%				
38) 1,2-Dichloroethane-d4	4.447	67	36517	29.78	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.27%				
65) Toluene-d8	5.451	98	173644	30.23	ug/l		0.01
Spiked Amount 30.000			Recovery = 100.77%				
75) Bromofluorobenzene	6.798	174	43455	28.48	ug/l		0.01
Spiked Amount 30.000			Recovery = 94.93%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.459	51	40410	10.22	ug/l		92
6) Dichlorodifluoromethane	1.448	85	21842	8.50	ug/l		90
7) Chloromethane	1.603	50	21748	8.43	ug/l		84
8) Bromomethane	1.937	94	8897	8.87	ug/l		95
9) Vinyl Chloride	1.673	62	17374	9.57	ug/l		96
10) Chloroethane	2.007	64	11869	10.11	ug/l		91
11) Trichlorofluoromethane	2.220	101	14310	9.41	ug/l		86
12) Ethyl ether	2.427	59	14620	8.45	ug/l		98
13) Furan	2.451	39	52394	7.65	ug/l		73
14) 1,1,2-Trichloro-1,2,2-...	2.614	101	7325	8.24	ug/l		85
15) Methylene Chloride	2.956	84	22755	10.20	ug/l		74
16) Acrolein	2.512	56	14007	42.49	ug/l		91
17) Acrylonitrile	3.131	53	8889	10.53	ug/l		98
18) Iodomethane	2.722	142	19822	14.50	ug/l		85
19) Acetone	2.620	43	42078	49.19	ug/l		98
20) Carbon Disulfide	2.788	76	36634	8.93	ug/l		100
21) t-Butyl Alcohol	3.028	59	7017	47.03	ug/l		95
22) n-Hexane	3.407	57	15522	11.32	ug/l		99
23) Di-isopropyl-ether	3.563	45	94314	10.78	ug/l		96
24) 1,1-Dichloroethene	2.608	61	31180	9.31	ug/l		95
25) Methyl Acetate	2.878	43	25980	10.38	ug/l		100
26) Methyl-t-butyl ether	3.185	73	42735	10.79	ug/l		80
27) 1,1-Dichloroethane	3.509	63	41300	9.95	ug/l		92
28) trans-1,2-Dichloroethene	3.185	96	17413	9.96	ug/l		74
29) cis-1,2-Dichloroethene	3.948	61	39916	10.12	ug/l		97
30) Bromochloromethane	4.098	49	23619	10.50	ug/l	#	55
31) 2,2-Dichloropropane	3.954	77	18453	9.81	ug/l		93
32) Ethyl acetate	3.978	43	32031	10.04	ug/l		87
33) 1,4-Dioxane	5.006	88	8874	552.50	ug/l		54
34) 1,1-Dichloropropene	4.375	75	26393	10.77	ug/l		98
35) Chloroform	4.147	83	34052	10.16	ug/l		80
37) Cyclohexane	4.321	56	25620	10.36	ug/l		76
39) 1,2-Dichloroethane	4.489	62	31779	10.41	ug/l		99
40) 2-Butanone	3.942	43	12151	11.09	ug/l		93
41) 1,1,1-Trichloroethane	4.279	97	22652	9.87	ug/l		93
42) Carbon Tetrachloride	4.381	117	16712	9.99	ug/l		95
43) Vinyl Acetate	3.533	43	46535	8.67	ug/l		100
44) Bromodichloromethane	5.078	83	25599	10.49	ug/l		87
45) Methylcyclohexane	4.946	83	15444	10.52	ug/l		82
46) Dibromomethane	5.006	174	9212	10.88	ug/l	#	59
47) 1,2-Dichloropropane	4.946	63	22808	11.17	ug/l		99
48) Trichloroethene	4.832	130	15330	10.05	ug/l		93
49) Benzene	4.489	78	79992	11.38	ug/l		100
50) tert-Amyl methyl ether	4.543	73	45046	10.34	ug/l		77
52) Iso-propylacetate	4.501	43	49793	10.64	ug/l		85
53) Methyl methacrylate	4.982	41	26488	9.80	ug/l		84
54) Dibromochloromethane	5.890	129	14699	9.59	ug/l		94
55) 2-Chloroethylvinylether	5.217	63	11436	10.04	ug/l		74
56) cis-1,3-Dichloropropene	5.307	75	25358	9.85	ug/l		91
57) trans-1,3-Dichloropropene	5.577	75	20827	9.66	ug/l		97
58) Ethyl methacrylate	5.607	41	27052	9.62	ug/l		93
59) 1,1,2-Trichloroethane	5.673	97	15541	10.97	ug/l		95
60) 1,2-Dibromoethane	5.956	107	14723	10.07	ug/l		94
61) 1,3-Dichloropropane	5.764	76	28360	11.14	ug/l		93
62) 4-Methyl-2-Pentanone	5.373	43	27247	10.12	ug/l		97
63) 2-Hexanone	5.788	43	17360	9.44	ug/l		96
64) Tetrachloroethene	5.776	164	10858	10.55	ug/l		95
66) Toluene	5.487	92	41551	10.94	ug/l		86
67) 1,1,1,2-Tetrachloroethane	6.238	133	11632	10.06	ug/l		64

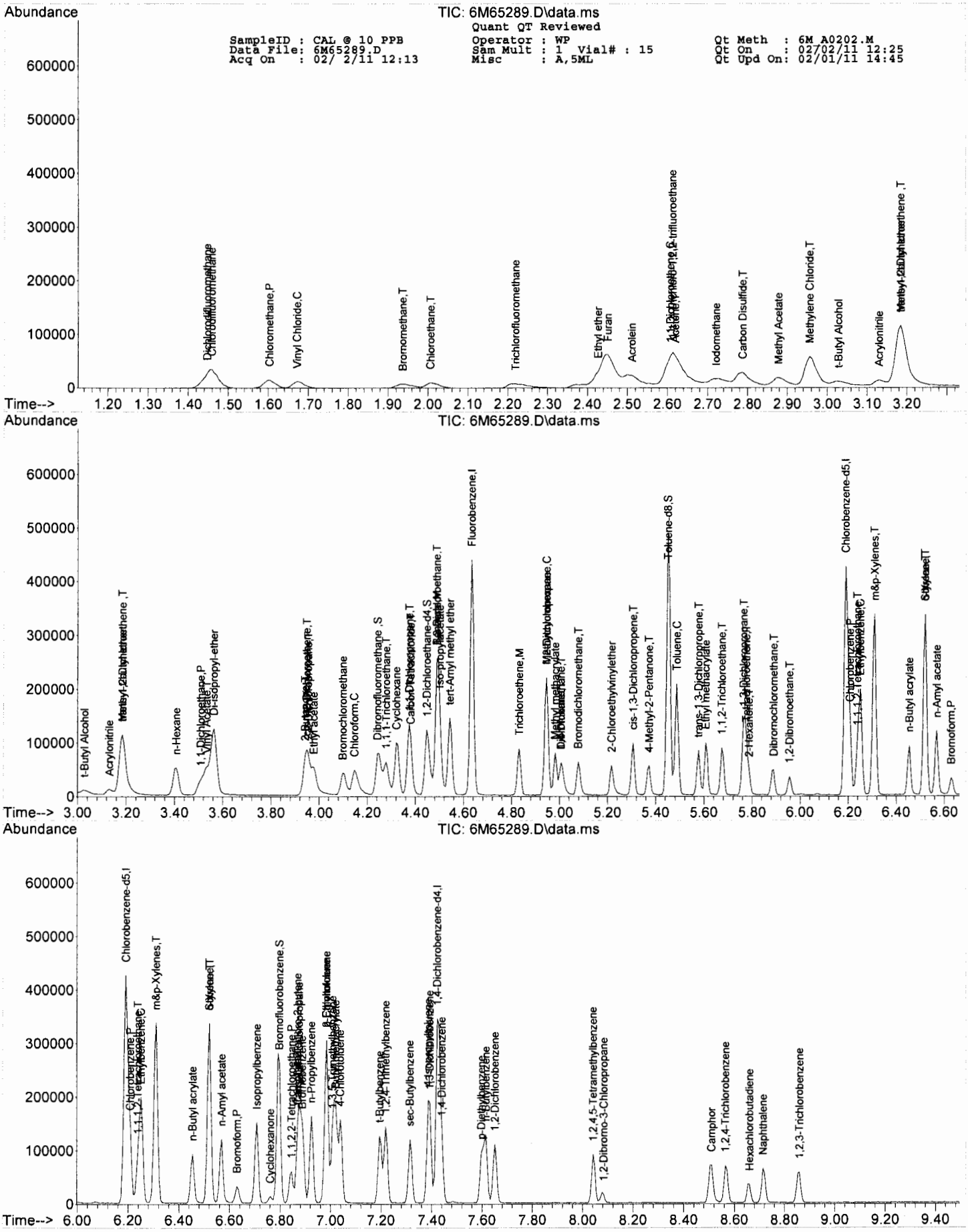
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65289.D Sam Mult : 1 Vial# : 15 Qt On : 02/02/11 12:25
Acq On : 02/ 2/11 12:13 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.208	112	40956	10.50	ug/l	100
70)	n-Butyl acrylate	6.455	55	34762	8.59	ug/l	92
71)	n-Amyl acetate	6.569	43	45540	9.55	ug/l	94
72)	Bromoform	6.629	173	8855	8.98	ug/l	92
73)	Ethylbenzene	6.250	106	19464	11.18	ug/l	95
74)	1,1,2,2-Tetrachloroethane	6.846	83	19898	9.81	ug/l	86
76)	Styrene	6.521	104	41739	11.32	ug/l	97
77)	m&p-Xylenes	6.311	106	48761	24.08	ug/l	96
78)	o-Xylene	6.521	106	24208	11.77	ug/l	82
79)	trans-1,4-Dichloro-2-b...	6.870	53	9301	10.25	ug/l	84
80)	1,3-Dichlorobenzene	7.393	146	26914	11.26	ug/l	91
81)	1,4-Dichlorobenzene	7.441	146	28299	10.79	ug/l	93
82)	1,2-Dichlorobenzene	7.651	146	25995	10.53	ug/l	92
83)	Isopropylbenzene	6.707	105	52891	10.21	ug/l	97
84)	Cyclohexanone	6.761	55	3605	49.62	ug/l	84
85)	Camphene	6.870	93	14893	10.45	ug/l	91
86)	1,2,3-Trichloropropane	6.876	75	24763	11.08	ug/l	82
87)	2-Chlorotoluene	6.984	91	54400	12.60	ug/l	93
88)	p-Ethyltoluene	6.984	105	64068	11.63	ug/l	78
89)	4-Chlorotoluene	7.038	91	51632	11.32	ug/l	94
90)	n-Propylbenzene	6.924	91	73779	10.68	ug/l	96
91)	Bromobenzene	6.888	77	45018	10.80	ug/l	86
92)	1,3,5-Trimethylbenzene	7.008	105	47593	11.67	ug/l	96
93)	Butyl methacrylate	7.020	41	38947	9.84	ug/l	98
94)	t-Butylbenzene	7.194	119	35894	10.03	ug/l	92
95)	1,2,4-Trimethylbenzene	7.218	105	47783	10.96	ug/l	94
96)	sec-Butylbenzene	7.314	105	48706	10.53	ug/l	91
97)	4-Isopropyltoluene	7.387	119	36278	11.06	ug/l	93
98)	n-Butylbenzene	7.615	91	48150	11.09	ug/l	88
99)	p-Diethylbenzene	7.597	119	18084	9.93	ug/l	96
100)	1,2,4,5-Tetramethylben...	8.042	119	28533	9.01	ug/l	98
101)	1,2-Dibromo-3-Chloropr...	8.084	157	2635	9.67	ug/l	96
102)	Camphor	8.511	95	10844	95.83	ug/l	97
103)	Hexachlorobutadiene	8.661	225	4744	10.66	ug/l	96
104)	1,2,4-Trichlorobenzene	8.565	180	13102	10.45	ug/l	95
105)	1,2,3-Trichlorobenzene	8.859	180	11226	9.93	ug/l	98
106)	Naphthalene	8.715	128	30323	9.20	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL @ 10 PPB
Data File: 6M65289.D
Acq On : 02/ 2/11 12:13
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:25
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65287.D Sam Mult : 1 Vial# : 13 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:40 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.633	96	181367	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.190	117	112848	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.422	152	49873	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.242	111	47929	28.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.33%			
38) 1,2-Dichloroethane-d4	4.447	67	33485	28.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.47%			
65) Toluene-d8	5.450	98	167942	30.19	ug/l	0.01
Spiked Amount 30.000			Recovery = 100.63%			
75) Bromofluorobenzene	6.797	174	40603	28.71	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.70%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.465	51	167533	44.91	ug/l	95
6) Dichlorodifluoromethane	1.448	85	106869	44.09	ug/l	88
7) Chloromethane	1.603	50	101830	41.82	ug/l	81
8) Bromomethane	1.937	94	54071	57.13	ug/l	87
9) Vinyl Chloride	1.678	62	80725	47.13	ug/l	99
10) Chloroethane	2.006	64	52082	47.03	ug/l	94
11) Trichlorofluoromethane	2.208	101	64870	45.21	ug/l	86
12) Ethyl ether	2.427	59	91010	55.73	ug/l	89
13) Furan	2.445	39	326836	50.57	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.607	101	49950	59.54	ug/l	90
15) Methylene Chloride	2.956	84	105884	50.31	ug/l	76
16) Acrolein	2.505	56	90601	291.24	ug/l	97
17) Acrylonitrile	3.130	53	40167	50.40	ug/l	99
18) Iodomethane	2.715	142	87217	67.59	ug/l	85
19) Acetone	2.619	43	228074	282.52	ug/l	97
20) Carbon Disulfide	2.781	76	181102	46.77	ug/l	100
21) t-Butyl Alcohol	3.028	59	36891	262.03	ug/l	83
22) n-Hexane	3.407	57	83841	64.79	ug/l	92
23) Di-isopropyl-ether	3.557	45	478370	57.93	ug/l	96
24) 1,1-Dichloroethene	2.601	61	178388	56.46	ug/l	93
25) Methyl Acetate	2.872	43	123503	52.31	ug/l	100
26) Methyl-t-butyl ether	3.178	73	217399	58.17	ug/l	79
27) 1,1-Dichloroethane	3.509	63	199171	50.87	ug/l	98
28) trans-1,2-Dichloroethene	3.184	96	84716	51.36	ug/l	79
29) cis-1,2-Dichloroethene	3.942	61	203611	54.68	ug/l	96
30) Bromochloromethane	4.098	49	105558	49.74	ug/l	59
31) 2,2-Dichloropropane	3.954	77	101287	57.07	ug/l	96
32) Ethyl acetate	3.978	43	161238	53.58	ug/l	87
33) 1,4-Dioxane	5.006	88	45882	3027.22	ug/l	63
34) 1,1-Dichloropropene	4.368	75	130671	56.49	ug/l	96
35) Chloroform	4.146	83	160825	50.84	ug/l	87
37) Cyclohexane	4.320	56	141276	60.56	ug/l	77
39) 1,2-Dichloroethane	4.489	62	151251	52.51	ug/l	92
40) 2-Butanone	3.942	43	54151	52.37	ug/l	87
41) 1,1,1-Trichloroethane	4.278	97	110241	50.90	ug/l	95
42) Carbon Tetrachloride	4.380	117	81981	51.96	ug/l	96
43) Vinyl Acetate	3.533	43	280177	55.35	ug/l	100
44) Bromodichloromethane	5.078	83	119349	51.84	ug/l	92
45) Methylcyclohexane	4.945	83	87438	63.14	ug/l	75
46) Dibromomethane	5.006	174	43087	53.91	ug/l	93
47) 1,2-Dichloropropane	4.945	63	106957	55.49	ug/l	94
48) Trichloroethene	4.831	130	76134	52.91	ug/l	89
49) Benzene	4.489	78	367476	55.41	ug/l	100
50) tert-Amyl methyl ether	4.543	73	235868	57.38	ug/l	71
52) Iso-propylacetate	4.501	43	246365	54.35	ug/l	85
53) Methyl methacrylate	4.981	41	145819	55.71	ug/l	84
54) Dibromochloromethane	5.883	129	76944	51.83	ug/l	97
55) 2-Chloroethylvinylether	5.216	63	65736	59.63	ug/l	77
56) cis-1,3-Dichloropropene	5.306	75	141078	56.63	ug/l	89
57) trans-1,3-Dichloropropene	5.577	75	119488	57.22	ug/l	99
58) Ethyl methacrylate	5.607	41	150336	55.22	ug/l	94
59) 1,1,2-Trichloroethane	5.673	97	71241	51.96	ug/l	93
60) 1,2-Dibromoethane	5.955	107	73538	51.96	ug/l	88
61) 1,3-Dichloropropane	5.763	76	138340	56.14	ug/l	95
62) 4-Methyl-2-Pentanone	5.366	43	147211	56.49	ug/l	94
63) 2-Hexanone	5.781	43	101661	57.10	ug/l	90
64) Tetrachloroethene	5.775	164	52564	52.73	ug/l	97
66) Toluene	5.486	92	202032	54.92	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.238	133	59212	52.89	ug/l	62

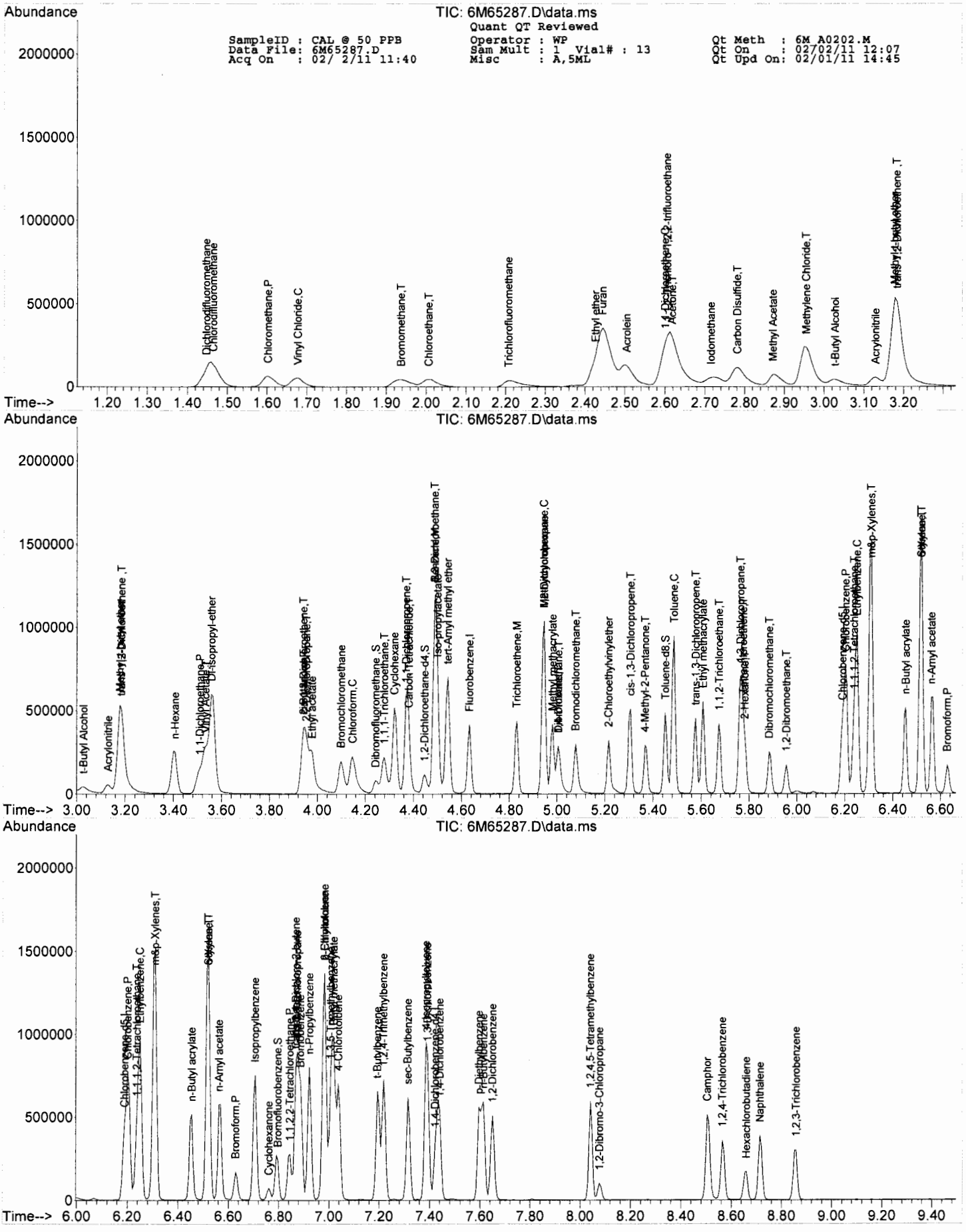
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65287.D Sam Mult : 1 Vial# : 13 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:40 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.202	112	205732	54.46	ug/l	100
70)	n-Butyl acrylate	6.454	55	210890	56.22	ug/l	93
71)	n-Amyl acetate	6.562	43	247800	56.02	ug/l	96
72)	Bromoform	6.629	173	47009	51.43	ug/l	95
73)	Ethylbenzene	6.250	106	99400	61.58	ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.845	83	96358	51.24	ug/l	90
76)	Styrene	6.520	104	208915	61.11	ug/l	98
77)	m&p-Xylenes	6.310	106	237383	126.44	ug/l	99
78)	o-Xylene	6.520	106	116416	61.06	ug/l	87
79)	trans-1,4-Dichloro-2-b...	6.869	53	49808	59.23	ug/l	70
80)	1,3-Dichlorobenzene	7.392	146	123973	55.92	ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	125491	51.60	ug/l	92
82)	1,2-Dichlorobenzene	7.650	146	120134	52.48	ug/l	95
83)	Isopropylbenzene	6.707	105	286300	59.60	ug/l	98
84)	Cyclohexanone	6.761	55	18711	277.80	ug/l	88
85)	Camphene	6.869	93	77164	58.38	ug/l	94
86)	1,2,3-Trichloropropane	6.875	75	118862	57.37	ug/l	81
87)	2-Chlorotoluene	6.983	91	247740	61.87	ug/l	93
88)	p-Ethyltoluene	6.983	105	316627	61.99	ug/l	79
89)	4-Chlorotoluene	7.037	91	239040	56.54	ug/l	95
90)	n-Propylbenzene	6.923	91	367143	57.34	ug/l	96
91)	Bromobenzene	6.887	77	215810	55.86	ug/l	85
92)	1,3,5-Trimethylbenzene	7.007	105	229452	60.70	ug/l	95
93)	Butyl methacrylate	7.019	41	202875	55.29	ug/l	93
94)	t-Butylbenzene	7.194	119	197736	59.59	ug/l	88
95)	1,2,4-Trimethylbenzene	7.218	105	240303	59.45	ug/l	93
96)	sec-Butylbenzene	7.314	105	256210	59.74	ug/l	95
97)	4-Isopropyltoluene	7.386	119	193231	63.52	ug/l	93
98)	n-Butylbenzene	7.614	91	242483	60.22	ug/l	87
99)	p-Diethylbenzene	7.596	119	105244	62.31	ug/l	97
100)	1,2,4,5-Tetramethylben...	8.041	119	188673	64.29	ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.077	157	13683	54.13	ug/l	94
102)	Camphor	8.504	95	73687	702.33	ug/l	98
103)	Hexachlorobutadiene	8.660	225	22571	54.69	ug/l	98
104)	1,2,4-Trichlorobenzene	8.564	180	65831	56.61	ug/l	96
105)	1,2,3-Trichlorobenzene	8.859	180	60278	57.49	ug/l	98
106)	Naphthalene	8.714	128	186312	60.97	ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 6M65287.D
Acq On : 02/ 2/11 11:40
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65286.D Sam Mult : 1 Vial# : 12 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:22 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.634	96	169305	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.191	117	104594	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.423	152	46257	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.244	111	45085	28.81	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.03%		
38) 1,2-Dichloroethane-d4	4.448	67	31009	28.71	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.70%		
65) Toluene-d8	5.452	98	157466	30.54	ug/l	0.01
Spiked Amount 30.000			Recovery =	101.80%		
75) Bromofluorobenzene	6.792	174	37568	28.64	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.47%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.459	51	350276	100.58	ug/l	97
6) Dichlorodifluoromethane	1.448	85	218819	96.71	ug/l	86
7) Chloromethane	1.597	50	213561	93.97	ug/l	79
8) Bromomethane	1.937	94	124739	141.19	ug/l	89
9) Vinyl Chloride	1.672	62	168063	105.11	ug/l	99
10) Chloroethane	2.006	64	103362	99.99	ug/l	95
11) Trichlorofluoromethane	2.213	101	134469	100.38	ug/l	84
12) Ethyl ether	2.428	59	135161	88.66	ug/l	91
13) Furan	2.446	39	489760	81.18	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.608	101	97246	124.18	ug/l	88
15) Methylene Chloride	2.957	84	200748	102.19	ug/l	75
16) Acrolein	2.506	56	140255	482.98	ug/l	100
17) Acrylonitrile	3.131	53	84481	113.56	ug/l	97
18) Iodomethane	2.723	142	136730	113.51	ug/l	87
19) Acetone	2.620	43	364500	483.69	ug/l	99
20) Carbon Disulfide	2.783	76	360543	99.74	ug/l	100
21) t-Butyl Alcohol	3.023	59	70719	538.09	ug/l	78
22) n-Hexane	3.402	57	169448	140.27	ug/l	90
23) Di-isopropyl-ether	3.558	45	881782	114.38	ug/l	96
24) 1,1-Dichloroethene	2.602	61	305561	103.61	ug/l	92
25) Methyl Acetate	2.873	43	230685	104.66	ug/l	100
26) Methyl-t-butyl ether	3.180	73	402358	115.33	ug/l	78
27) 1,1-Dichloroethane	3.510	63	379030	103.70	ug/l	99
28) trans-1,2-Dichloroethene	3.180	96	163518	106.19	ug/l	86
29) cis-1,2-Dichloroethene	3.943	61	385871	111.01	ug/l	97
30) Bromochloromethane	4.099	49	197289	99.59	ug/l	59
31) 2,2-Dichloropropane	3.955	77	199563	120.46	ug/l	96
32) Ethyl acetate	3.979	43	293403	104.44	ug/l	88
33) 1,4-Dioxane	5.007	88	85494	6042.64	ug/l	59
34) 1,1-Dichloropropene	4.370	75	249138	115.37	ug/l	96
35) Chloroform	4.147	83	310238	105.06	ug/l	85
37) Cyclohexane	4.322	56	280951	129.02	ug/l	77
39) 1,2-Dichloroethane	4.490	62	274064	101.93	ug/l	93
40) 2-Butanone	3.937	43	101712	105.38	ug/l	89
41) 1,1,1-Trichloroethane	4.280	97	216072	106.87	ug/l	96
42) Carbon Tetrachloride	4.382	117	158654	107.71	ug/l	88
43) Vinyl Acetate	3.534	43	533247m	112.85	ug/l	
44) Bromodichloromethane	5.079	83	226712	105.48	ug/l	91
45) Methylcyclohexane	4.947	83	166937	129.14	ug/l	76
46) Dibromomethane	5.007	174	77547	103.93	ug/l	92
47) 1,2-Dichloropropane	4.947	63	201265	111.86	ug/l	98
48) Trichloroethene	4.833	130	145714	108.48	ug/l	91
49) Benzene	4.490	78	668372	107.96	ug/l	100
50) tert-Amyl methyl ether	4.544	73	436881	113.85	ug/l	71
52) Iso-propylacetate	4.502	43	455895	108.51	ug/l	86
53) Methyl methacrylate	4.983	41	276390	113.92	ug/l	83
54) Dibromochloromethane	5.885	129	146377	106.38	ug/l	96
55) 2-Chloroethylvinylether	5.217	63	130329	127.56	ug/l	76
56) cis-1,3-Dichloropropene	5.307	75	271014	117.36	ug/l	90
57) trans-1,3-Dichloropropene	5.578	75	226305	116.93	ug/l	100
58) Ethyl methacrylate	5.608	41	287397	113.90	ug/l	93
59) 1,1,2-Trichloroethane	5.674	97	133702	105.20	ug/l	92
60) 1,2-Dibromoethane	5.957	107	137524	104.84	ug/l	98
61) 1,3-Dichloropropane	5.764	76	247921	108.56	ug/l	97
62) 4-Methyl-2-Pentanone	5.368	43	277879	115.05	ug/l	94
63) 2-Hexanone	5.782	43	188760	114.40	ug/l	91
64) Tetrachloroethene	5.776	164	97612	105.65	ug/l	97
66) Toluene	5.488	92	371008	108.80	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.239	133	110261	106.26	ug/l	66

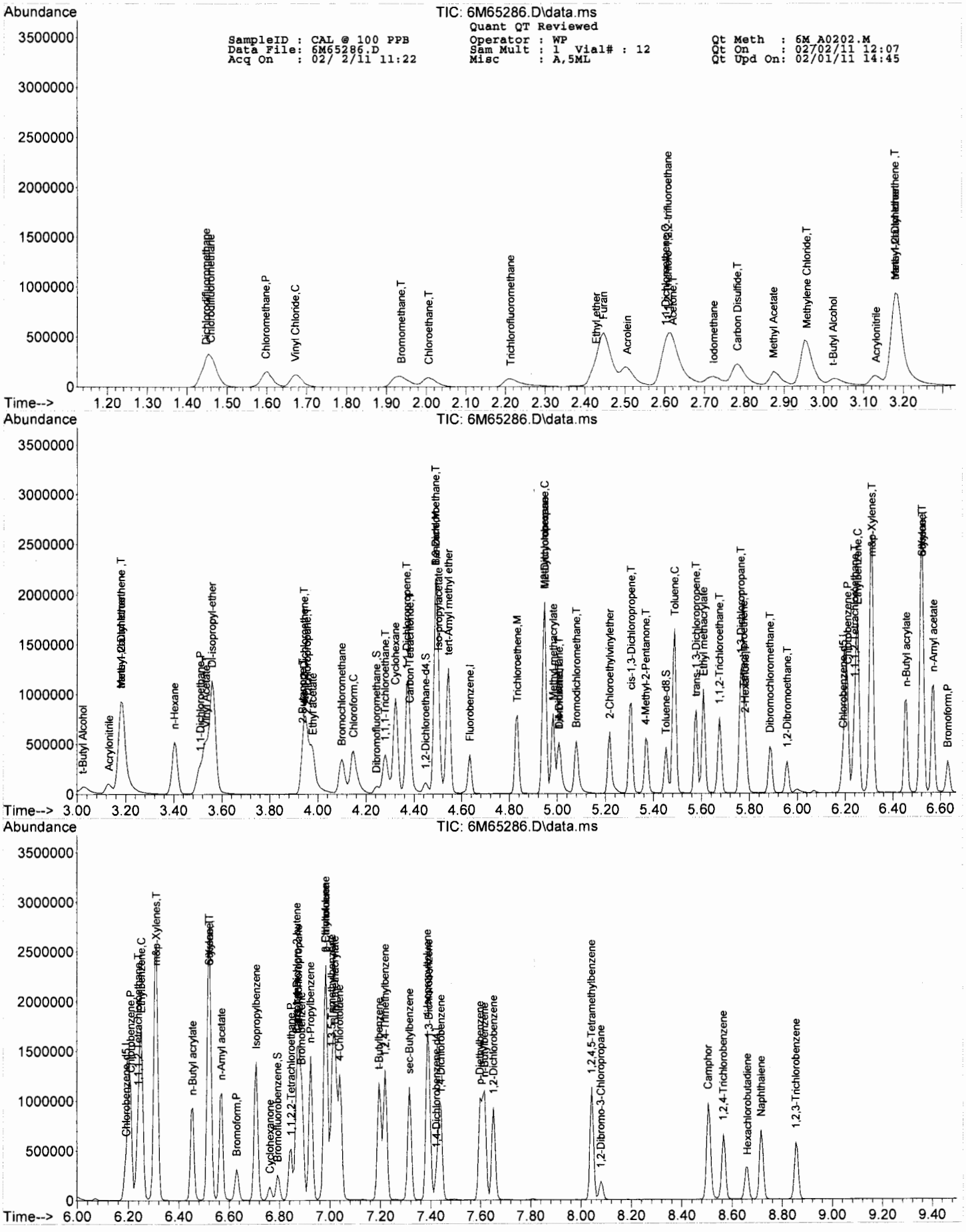
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65286.D Sam Mult : 1 Vial# : 12 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:22 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.209	112	366074	104.54 ug/l	99
70)	n-Butyl acrylate	6.456	55	400318	115.06 ug/l	93
71)	n-Amyl acetate	6.570	43	457023	111.40 ug/l	97
72)	Bromoform	6.630	173	88453	104.34 ug/l	98
73)	Ethylbenzene	6.251	106	178697	119.35 ug/l	98
74)	1,1,2,2-Tetrachloroethane	6.846	83	175672	100.72 ug/l	89
76)	Styrene	6.522	104	371383	117.12 ug/l	99
77)	m&p-Xylenes	6.311	106	417740	239.90 ug/l	98
78)	o-Xylene	6.522	106	202880	114.73 ug/l	84
79)	trans-1,4-Dichloro-2-b...	6.870	53	89620	114.90 ug/l	68
80)	1,3-Dichlorobenzene	7.393	146	217683	105.86 ug/l	92
81)	1,4-Dichlorobenzene	7.441	146	228769	101.43 ug/l	91
82)	1,2-Dichlorobenzene	7.652	146	219532	103.39 ug/l	94
83)	Isopropylbenzene	6.708	105	532865	119.61 ug/l	97
84)	Cyclohexanone	6.762	55	36278	580.71 ug/l	88
85)	Camphene	6.870	93	146127	119.19 ug/l	91
86)	1,2,3-Trichloropropane	6.876	75	210690	109.63 ug/l	80
87)	2-Chlorotoluene	6.985	91	426812	114.92 ug/l	93
88)	p-Ethyltoluene	6.985	105	562793	118.80 ug/l	79
89)	4-Chlorotoluene	7.039	91	431488	110.03 ug/l	95
90)	n-Propylbenzene	6.925	91	678786	114.31 ug/l	97
91)	Bromobenzene	6.888	77	385228	107.50 ug/l	85
92)	1,3,5-Trimethylbenzene	7.009	105	409863	116.90 ug/l	94
93)	Butyl methacrylate	7.021	41	363769	106.88 ug/l	93
94)	t-Butylbenzene	7.195	119	365107	118.63 ug/l	88
95)	1,2,4-Trimethylbenzene	7.219	105	438059	116.85 ug/l	93
96)	sec-Butylbenzene	7.315	105	481663	121.08 ug/l	94
97)	4-Isopropyltoluene	7.387	119	353733	125.38 ug/l	93
98)	n-Butylbenzene	7.616	91	453710	121.48 ug/l	86
99)	p-Diethylbenzene	7.598	119	201102	128.37 ug/l	97
100)	1,2,4,5-Tetramethylben...	8.043	119	357715	131.43 ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.079	157	26574	113.35 ug/l	90
102)	Camphor	8.505	95	136671	1404.47 ug/l	100
103)	Hexachlorobutadiene	8.662	225	41833	109.28 ug/l	94
104)	1,2,4-Trichlorobenzene	8.566	180	121684	112.83 ug/l	96
105)	1,2,3-Trichlorobenzene	8.854	180	112513	115.70 ug/l	99
106)	Naphthalene	8.716	128	344833	121.66 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 6M65286.D
Acq On : 02/ 2/11 11:22
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65285.D Sam Mult : 1 Vial# : 11 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:06 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.633	96	168072	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.190	117	102970	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.428	152	45282	30.00	ug/l	0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.242	111	44808	28.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.17%			
38) 1,2-Dichloroethane-d4	4.447	67	30959	28.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.23%			
65) Toluene-d8	5.450	98	155045	30.55	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.83%			
75) Bromofluorobenzene	6.797	174	39367	30.65	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.465	51	872467	252.36	ug/l	95
6) Dichlorodifluoromethane	1.447	85	558352	248.58	ug/l	88
7) Chloromethane	1.603	50	572442	253.72	ug/l	78
8) Bromomethane	1.925	94	305608	348.44	ug/l	85
9) Vinyl Chloride	1.678	62	407285	256.60	ug/l	98
10) Chloroethane	2.006	64	251471	245.06	ug/l	96
11) Trichlorofluoromethane	2.207	101	368057	276.78	ug/l	85
12) Ethyl ether	2.421	59	356916	235.84	ug/l	92
13) Furan	2.445	39	1289470	215.31	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.607	101	254622	327.52	ug/l	88
15) Methylene Chloride	2.956	84	496701	254.69	ug/l	75
16) Acrolein	2.499	56	376332	1305.43	ug/l	99
17) Acrylonitrile	3.124	53	216674	293.39	ug/l	96
18) Iodomethane	2.727	142	280709	234.74	ug/l	87
19) Acetone	2.619	43	998568	1334.81	ug/l	100
20) Carbon Disulfide	2.781	76	907184	252.79	ug/l	100
21) t-Butyl Alcohol	3.028	59	187112	1434.14	ug/l	82
22) n-Hexane	3.401	57	418400	348.90	ug/l	90
23) Di-isopropyl-ether	3.557	45	2138530	279.44	ug/l	96
24) 1,1-Dichloroethene	2.595	61	813599	277.89	ug/l	90
25) Methyl Acetate	2.872	43	603514	275.82	ug/l	100
26) Methyl-t-butyl ether	3.184	73	996682	287.78	ug/l	76
27) 1,1-Dichloroethane	3.509	63	945170	260.50	ug/l	99
28) trans-1,2-Dichloroethene	3.178	96	396441	259.35	ug/l	85
29) cis-1,2-Dichloroethene	3.942	61	950449	275.45	ug/l	95
30) Bromochloromethane	4.098	49	516784	262.79	ug/l	59
31) 2,2-Dichloropropane	3.954	77	515438	313.41	ug/l	95
32) Ethyl acetate	3.978	43	752485	269.83	ug/l	87
33) 1,4-Dioxane	5.012	88	194408	13841.38	ug/l	61
34) 1,1-Dichloropropene	4.374	75	585520	273.13	ug/l	98
35) Chloroform	4.146	83	761471	259.77	ug/l	86
37) Cyclohexane	4.320	56	655019	303.00	ug/l	76
39) 1,2-Dichloroethane	4.489	62	637846	238.98	ug/l	92
40) 2-Butanone	3.936	43	242116	252.69	ug/l	90
41) 1,1,1-Trichloroethane	4.284	97	531439	264.77	ug/l	98
42) Carbon Tetrachloride	4.386	117	378992	259.18	ug/l	93
43) Vinyl Acetate	3.533	43	1310743m	279.42	ug/l	
44) Bromodichloromethane	5.078	83	568580	266.49	ug/l	93
45) Methylcyclohexane	4.946	83	367036	286.02	ug/l	76
46) Dibromomethane	5.006	174	195534	263.98	ug/l	94
47) 1,2-Dichloropropane	4.946	63	447951	250.79	ug/l	94
48) Trichloroethene	4.831	130	351280	263.44	ug/l	89
49) Benzene	4.489	78	1466008	238.53	ug/l	100
50) tert-Amyl methyl ether	4.543	73	1070388	280.99	ug/l	70
52) Iso-propylacetate	4.501	43	1098574	265.61	ug/l	87
53) Methyl methacrylate	4.982	41	687457	287.83	ug/l	84
54) Dibromochloromethane	5.889	129	378539	279.44	ug/l	98
55) 2-Chloroethylvinylether	5.216	63	335571	333.61	ug/l	76
56) cis-1,3-Dichloropropene	5.306	75	693468	305.05	ug/l	89
57) trans-1,3-Dichloropropene	5.577	75	606249	318.18	ug/l	100
58) Ethyl methacrylate	5.607	41	722376	290.79	ug/l	93
59) 1,1,2-Trichloroethane	5.679	97	326140	260.67	ug/l	92
60) 1,2-Dibromoethane	5.955	107	355563	275.34	ug/l	91
61) 1,3-Dichloropropane	5.763	76	565774	251.64	ug/l	99
62) 4-Methyl-2-Pentanone	5.372	43	723258	304.18	ug/l	95
63) 2-Hexanone	5.787	43	476129	293.10	ug/l	93
64) Tetrachloroethene	5.775	164	223344	245.55	ug/l	97
66) Toluene	5.487	92	861590	256.66	ug/l	93
67) 1,1,1,2-Tetrachloroethane	6.238	133	263827	258.27	ug/l	67

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65285.D Sam Mult : 1 Vial# : 11 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:06 Misc : A,5ML Qt Upd On: 02/01/11 14:45

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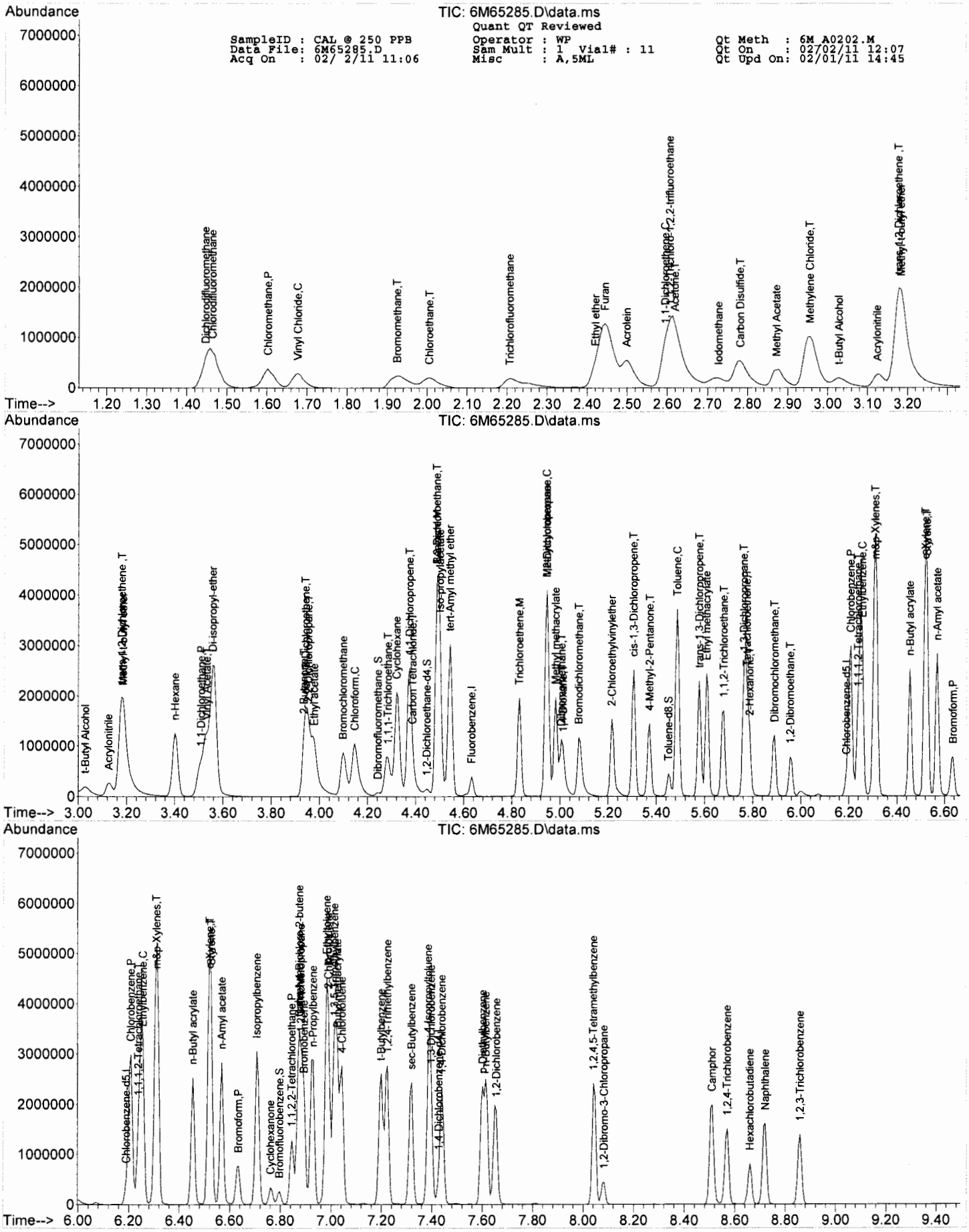
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.208	112	869154	252.13 ug/l	98
70)	n-Butyl acrylate	6.454	55	1019779	299.43 ug/l	93
71)	n-Amyl acetate	6.569	43	1137358	283.21 ug/l	96
72)	Bromoform	6.635	173	238370	287.24 ug/l	97
73)	Ethylbenzene	6.256	106	367246	250.57 ug/l	95
74)	1,1,2,2-Tetrachloroethane	6.845	83	433470	253.87 ug/l	90
76)	Styrene	6.526	104	767331	247.20 ug/l	99
77)	m&p-Xylenes	6.310	106	865131	507.53 ug/l	95
78)	o-Xylene	6.520	106	417715	241.30 ug/l	91
79)	trans-1,4-Dichloro-2-b...	6.875	53	208331	272.85 ug/l	64
80)	1,3-Dichlorobenzene	7.398	146	491903	244.36 ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	561351	254.24 ug/l	88
82)	1,2-Dichlorobenzene	7.657	146	525218	252.69 ug/l	95
83)	Isopropylbenzene	6.707	105	1227854	281.54 ug/l	98
84)	Cyclohexanone	6.761	55	88806	1452.15 ug/l	88
85)	Camphene	6.875	93	317903	264.88 ug/l	93
86)	1,2,3-Trichloropropane	6.881	75	469987	249.83 ug/l	80
87)	2-Chlorotoluene	6.989	91	812882	223.59 ug/l	95
88)	p-Ethyltoluene	6.983	105	1253482	270.30 ug/l	74
89)	4-Chlorotoluene	7.043	91	971613	253.11 ug/l	94
90)	n-Propylbenzene	6.929	91	1555131	267.52 ug/l	96
91)	Bromobenzene	6.893	77	850304	242.40 ug/l	87
92)	1,3,5-Trimethylbenzene	7.013	105	822260	239.58 ug/l	86
93)	Butyl methacrylate	7.025	41	826322	248.02 ug/l	94
94)	t-Butylbenzene	7.200	119	857420	284.59 ug/l	87
95)	1,2,4-Trimethylbenzene	7.224	105	1012677	275.94 ug/l	92
96)	sec-Butylbenzene	7.320	105	1128208	289.72 ug/l	95
97)	4-Isopropyltoluene	7.386	119	778194	281.76 ug/l	93
98)	n-Butylbenzene	7.614	91	1023512	279.95 ug/l	86
99)	p-Diethylbenzene	7.602	119	461319	300.82 ug/l	97
100)	1,2,4,5-Tetramethylben...	8.041	119	856102	321.31 ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.083	157	67802	295.43 ug/l	94
102)	Camphor	8.510	95	299754	3146.68 ug/l	99
103)	Hexachlorobutadiene	8.660	225	98820	263.72 ug/l	96
104)	1,2,4-Trichlorobenzene	8.570	180	297920	282.19 ug/l	97
105)	1,2,3-Trichlorobenzene	8.859	180	275574	289.49 ug/l	99
106)	Naphthalene	8.721	128	856572	308.72 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL @ 250 PPB
Data File: 6M65285.D
Acq On : 02/ 2/11 11:06
Quant QT Reviewed
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65284.D Sam Mult : 1 Vial# : 10 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:48 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.634	96	167023	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.191	117	98229	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.424	152	43823	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.244	111	43906	28.44	ug/l		0.00
Spiked Amount 30.000			Recovery = 94.80%				
38) 1,2-Dichloroethane-d4	4.448	67	31186	29.27	ug/l		0.00
Spiked Amount 30.000			Recovery = 97.57%				
65) Toluene-d8	5.452	98	154887	31.99	ug/l		0.01
Spiked Amount 30.000			Recovery = 106.63%				
75) Bromofluorobenzene	6.798	174	38624	31.08	ug/l		0.01
Spiked Amount 30.000			Recovery = 103.60%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.465	51	1940040	564.67	ug/l		94
6) Dichlorodifluoromethane	1.447	85	1258258	563.71	ug/l		86
7) Chloromethane	1.609	50	1358727	606.00	ug/l		79
8) Bromomethane	1.920	94	495725	568.75	ug/l		86
9) Vinyl Chloride	1.678	62	870777	552.06	ug/l		98
10) Chloroethane	2.006	64	503225	493.47	ug/l		96
11) Trichlorofluoromethane	2.208	101	682081	516.15	ug/l		87
12) Ethyl ether	2.422	59	874615	581.55	ug/l		98
13) Furan	2.446	39	3000565	504.17	ug/l		75
14) 1,1,2-Trichloro-1,2,2-...	2.603	101	502558	650.50	ug/l		89
15) Methylene Chloride	2.951	84	938776	484.39	ug/l		71
16) Acrolein	2.500	56	844755	2948.71	ug/l		100
17) Acrylonitrile	3.126	53	409624	558.13	ug/l		97
18) Iodomethane	2.723	142	542377	456.40	ug/l		90
19) Acetone	2.615	43	1867139	2511.52	ug/l		99
20) Carbon Disulfide	2.777	76	1797689	504.09	ug/l		100
21) t-Butyl Alcohol	3.029	59	345448	2664.36	ug/l		86
22) n-Hexane	3.396	57	804854	675.38	ug/l		89
23) Di-isopropyl-ether	3.558	45	3684380	484.45	ug/l		96
24) 1,1-Dichloroethene	2.597	61	1627655	559.44	ug/l		94
25) Methyl Acetate	2.873	43	1144932	526.55	ug/l		100
26) Methyl-t-butyl ether	3.186	73	1748366	508.00	ug/l		77
27) 1,1-Dichloroethane	3.504	63	1728207	479.31	ug/l		97
28) trans-1,2-Dichloroethene	3.180	96	735474	484.16	ug/l		85
29) cis-1,2-Dichloroethene	3.937	61	1696124	494.64	ug/l		97
30) Bromochloromethane	4.093	49	953690	488.01	ug/l	#	55
31) 2,2-Dichloropropane	3.955	77	965802	590.94	ug/l		97
32) Ethyl acetate	3.979	43	1308778	472.25	ug/l		88
33) 1,4-Dioxane	5.007	88	333692	23907.27	ug/l		60
34) 1,1-Dichloropropene	4.370	75	989785	464.61	ug/l		96
35) Chloroform	4.141	83	1424519	489.02	ug/l		83
37) Cyclohexane	4.322	56	1190438	554.13	ug/l		74
39) 1,2-Dichloroethane	4.490	62	1056726	398.41	ug/l		93
40) 2-Butanone	3.937	43	430581	452.20	ug/l		90
41) 1,1,1-Trichloroethane	4.280	97	993235	497.95	ug/l		96
42) Carbon Tetrachloride	4.382	117	701183	482.53	ug/l		95
43) Vinyl Acetate	3.528	43	2423215m	519.82	ug/l		
44) Bromodichloromethane	5.079	83	1085826	512.12	ug/l		92
45) Methylcyclohexane	4.947	83	600861	471.17	ug/l		78
46) Dibromomethane	5.007	174	370167	502.88	ug/l		93
47) 1,2-Dichloropropane	4.941	63	709014	399.44	ug/l		95
48) Trichloroethene	4.833	130	614086	463.42	ug/l		92
49) Benzene	4.490	78	2287608	374.55	ug/l		100
50) tert-Amyl methyl ether	4.544	73	1788450	472.45	ug/l		72
52) Iso-propylacetate	4.502	43	1740580	441.14	ug/l		87
53) Methyl methacrylate	4.977	41	1213236	532.48	ug/l		85
54) Dibromochloromethane	5.885	129	709663	549.16	ug/l		97
55) 2-Chloroethylvinylether	5.218	63	609185	634.86	ug/l		77
56) cis-1,3-Dichloropropene	5.302	75	1233489	568.78	ug/l		89
57) trans-1,3-Dichloropropene	5.578	75	1077073	592.57	ug/l		100
58) Ethyl methacrylate	5.608	41	1258444	531.04	ug/l		92
59) 1,1,2-Trichloroethane	5.674	97	563671	472.27	ug/l		93
60) 1,2-Dibromoethane	5.957	107	650099	527.72	ug/l		93
61) 1,3-Dichloropropane	5.758	76	913680	426.00	ug/l		96
62) 4-Methyl-2-Pentanone	5.368	43	1333000	587.67	ug/l		93
63) 2-Hexanone	5.783	43	843330	544.21	ug/l		92
64) Tetrachloroethene	5.771	164	380176	438.15	ug/l		95
66) Toluene	5.488	92	1405773	438.98	ug/l		96
67) 1,1,1,2-Tetrachloroethane	6.239	133	448075	459.81	ug/l		71

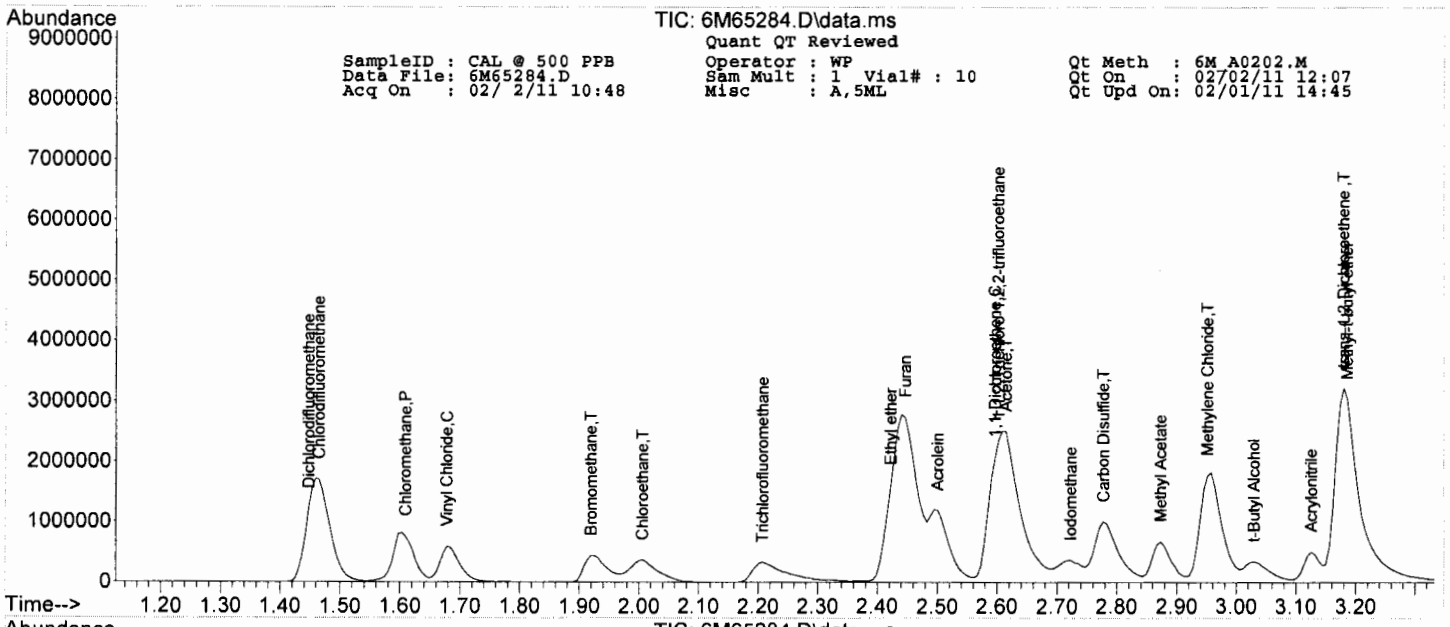
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65284.D Sam Mult : 1 Vial# : 10 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:48 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.203	112	1479846	450.00	ug/l	99
70)	n-Butyl acrylate	6.450	55	1796542	545.06	ug/l	92
71)	n-Amyl acetate	6.564	43	1947272	501.03	ug/l	97
72)	Bromoform	6.630	173	444469	553.43	ug/l	97
73)	Ethylbenzene	6.251	106	570688	402.34	ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.841	83	738598	446.98	ug/l	88
76)	Styrene	6.522	104	1110321	369.60	ug/l	92
77)	m&p-Xylenes	6.312	106	1255674	761.16	ug/l	97
78)	o-Xylene	6.516	106	629483	375.74	ug/l	90
79)	trans-1,4-Dichloro-2-b...	6.871	53	325941	441.09	ug/l	57
80)	1,3-Dichlorobenzene	7.394	146	789417	405.22	ug/l	92
81)	1,4-Dichlorobenzene	7.442	146	981305	459.23	ug/l	88
82)	1,2-Dichlorobenzene	7.652	146	946630	470.60	ug/l	94
83)	Isopropylbenzene	6.708	105	2069812	490.40	ug/l	97
84)	Cyclohexanone	6.762	55	166992	2821.56	ug/l	88
85)	Camphene	6.871	93	512748	441.45	ug/l	93
86)	1,2,3-Trichloropropane	6.877	75	690377	379.20	ug/l	81
87)	2-Chlorotoluene	6.991	91	1120379	318.43	ug/l	94
88)	p-Ethyltoluene	6.979	105	1774378	395.36	ug/l	80
89)	4-Chlorotoluene	7.039	91	1532644	412.55	ug/l	95
90)	n-Propylbenzene	6.925	91	2591170	460.59	ug/l	98
91)	Bromobenzene	6.889	77	1378496	406.05	ug/l	89
92)	1,3,5-Trimethylbenzene	7.009	105	1450777	436.78	ug/l	95
93)	Butyl methacrylate	7.021	41	1305333	404.84	ug/l	95
94)	t-Butylbenzene	7.195	119	1461171	501.13	ug/l	89
95)	1,2,4-Trimethylbenzene	7.219	105	1707497	480.76	ug/l	93
96)	sec-Butylbenzene	7.315	105	1933345	513.00	ug/l	95
97)	4-Isopropyltoluene	7.388	119	1238740	463.44	ug/l	94
98)	n-Butylbenzene	7.616	91	1744894	493.16	ug/l	85
99)	p-Diethylbenzene	7.598	119	812687	547.59	ug/l	96
100)	1,2,4,5-Tetramethylben...	8.043	119	1507779	584.73	ug/l	95
101)	1,2-Dibromo-3-Chloropr...	8.079	157	131925	593.96	ug/l	89
102)	Camphor	8.506	95	532078	5771.47	ug/l	98
103)	Hexachlorobutadiene	8.656	225	184875	509.79	ug/l	96
104)	1,2,4-Trichlorobenzene	8.566	180	545065	533.47	ug/l	97
105)	1,2,3-Trichlorobenzene	8.854	180	498354	540.95	ug/l	98
106)	Naphthalene	8.716	128	1486621	553.64	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Acq On : 02/ 2/11 10:48
Quant QT Reviewed
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Dichlorodifluoromethane
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
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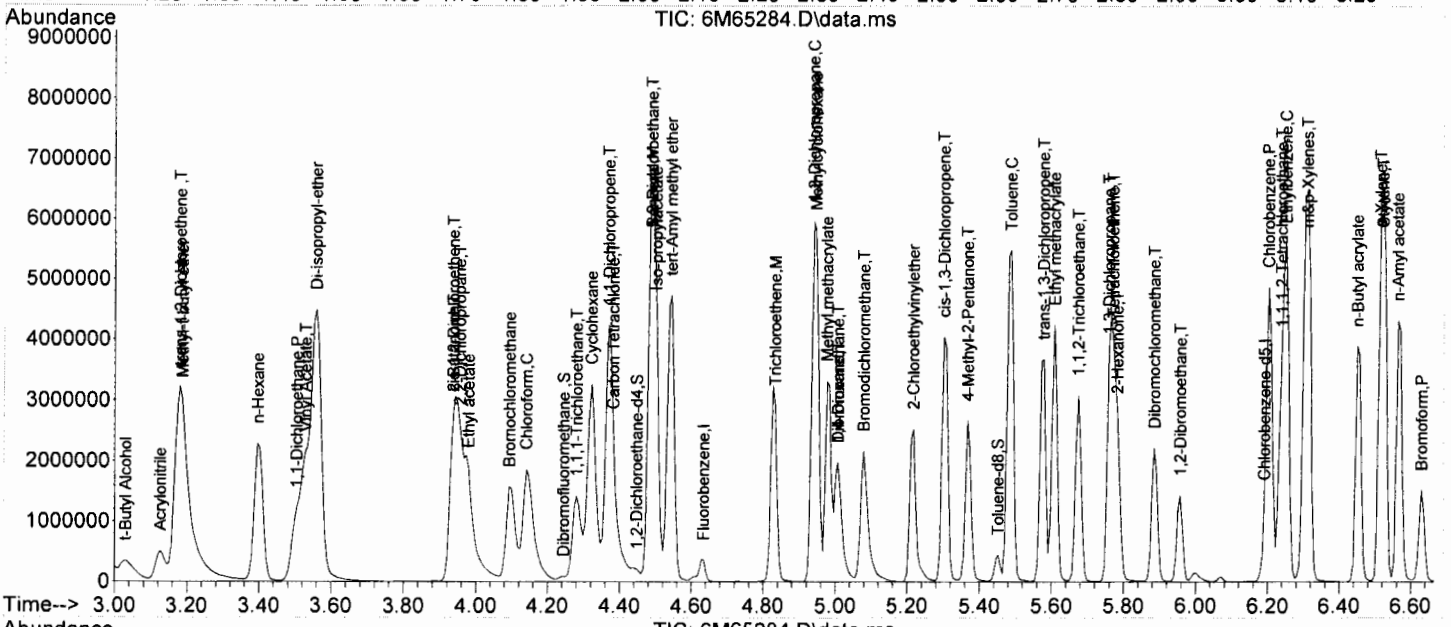
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65284.D\data.ms
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Acrylonitrile
n-Hexane
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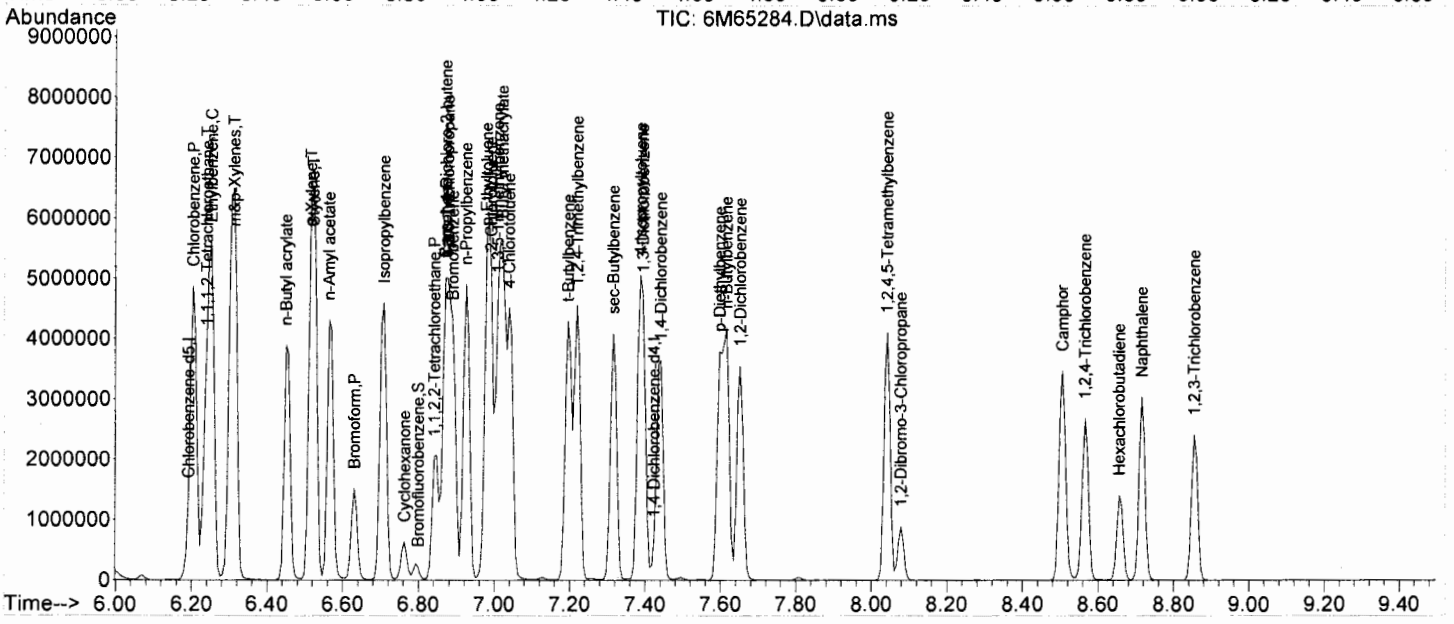
Vinyl Acetate,T
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
Isopropyl acetate
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene,P
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Time-->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Chlorobenzene-d5,I
Chlorobenzene,P
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Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65281.D Sam Mult : 1 Vial# : 7 Qt On : 02/02/11 11:08
Acq On : 02/ 2/11 09:52 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.633	96	191308	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	122195	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.422	152	54405	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.242	111	54997	31.11	ug/l		0.00
Spiked Amount 30.000			Recovery = 103.70%				
38) 1,2-Dichloroethane-d4	4.447	67	38058	31.18	ug/l		0.00
Spiked Amount 30.000			Recovery = 103.93%				
65) Toluene-d8	5.450	98	172105	28.57	ug/l		0.01
Spiked Amount 30.000			Recovery = 95.23%				
75) Bromofluorobenzene	6.791	174	43516	28.20	ug/l		0.00
Spiked Amount 30.000			Recovery = 94.00%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.431	51	4195	1.07	ug/l		83
6) Dichlorodifluoromethane	1.437	85	1972	0.77	ug/l	#	35
7) Chloromethane	1.604	50	2369	0.92	ug/l		87
8) Bromomethane	1.938	94	86m	0.09	ug/l		
9) Vinyl Chloride	1.673	62	1587	0.88	ug/l		89
10) Chloroethane	2.001	64	944	0.81	ug/l		46
11) Trichlorofluoromethane	2.215	101	1264	0.84	ug/l		74
12) Ethyl ether	2.427	59	1446	0.84	ug/l	#	56
13) Furan	2.445	39	5812	0.85	ug/l		65
14) 1,1,2-Trichloro-1,2,2-...	2.613	101	458	0.52	ug/l	#	44
15) Methylene Chloride	2.962	84	2220	1.00	ug/l		85
16) Acrolein	2.505	56	1334	4.07	ug/l		59
17) Acrylonitrile	3.124	53	810	0.96	ug/l		72
18) Iodomethane	2.733	142	378	0.28	ug/l	#	27
19) Acetone	2.619	43	5685	6.68	ug/l		84
20) Carbon Disulfide	2.781	76	3061	0.75	ug/l		100
21) t-Butyl Alcohol	3.022	59	793	5.34	ug/l	#	1
22) n-Hexane	3.401	57	1231	0.90	ug/l		78
23) Di-isopropyl-ether	3.557	45	6499	0.75	ug/l		96
24) 1,1-Dichloroethene	2.607	61	2611	0.78	ug/l		87
25) Methyl Acetate	2.872	43	2244	0.90	ug/l		100
26) Methyl-t-butyl ether	3.184	73	3320	0.84	ug/l		92
27) 1,1-Dichloroethane	3.509	63	3641	0.88	ug/l		90
28) trans-1,2-Dichloroethene	3.184	96	1531	0.88	ug/l		86
29) cis-1,2-Dichloroethene	3.948	61	3247	0.83	ug/l		93
30) Bromochloromethane	4.098	49	2393	1.07	ug/l	#	57
31) 2,2-Dichloropropane	3.954	77	1456	0.78	ug/l		91
32) Ethyl acetate	3.978	43	2259	0.71	ug/l	#	87
33) 1,4-Dioxane	5.006	88	655	40.97	ug/l		47
34) 1,1-Dichloropropene	4.368	75	1904	0.78	ug/l		99
35) Chloroform	4.152	83	3077	0.92	ug/l		95
37) Cyclohexane	4.320	56	1606	0.65	ug/l		82
39) 1,2-Dichloroethane	4.489	62	2980	0.98	ug/l		99
40) 2-Butanone	3.942	43	1174	1.08	ug/l		89
41) 1,1,1-Trichloroethane	4.278	97	1912	0.84	ug/l		87
42) Carbon Tetrachloride	4.380	117	1332	0.80	ug/l		81
43) Vinyl Acetate	3.527	43	2790m	0.52	ug/l		
44) Bromodichloromethane	5.078	83	1982	0.82	ug/l		96
45) Methylcyclohexane	4.946	83	1064	0.73	ug/l		78
46) Dibromomethane	5.000	174	161	0.19	ug/l		72
47) 1,2-Dichloropropane	4.939	63	1932	0.95	ug/l		79
48) Trichloroethene	4.831	130	1256	0.83	ug/l		77
49) Benzene	4.489	78	6377	0.91	ug/l		100
50) tert-Amyl methyl ether	4.543	73	2888	0.67	ug/l		89
52) Iso-propylacetate	4.501	43	3759	0.77	ug/l		78
53) Methyl methacrylate	4.982	41	1925	0.68	ug/l		76
54) Dibromochloromethane	5.883	129	1289	0.80	ug/l		95
55) 2-Chloroethylvinylether	5.216	63	709	0.59	ug/l		78
56) cis-1,3-Dichloropropene	5.306	75	1998	0.74	ug/l		78
57) trans-1,3-Dichloropropene	5.571	75	1573	0.70	ug/l		80
58) Ethyl methacrylate	5.607	41	2017	0.68	ug/l		85
59) 1,1,2-Trichloroethane	5.673	97	1523	1.03	ug/l		93
60) 1,2-Dibromoethane	5.955	107	1184	0.77	ug/l		87
61) 1,3-Dichloropropane	5.763	76	2646	0.99	ug/l		87
62) 4-Methyl-2-Pentanone	5.366	43	1835	0.65	ug/l		93
63) 2-Hexanone	5.787	43	1575	0.82	ug/l		86
64) Tetrachloroethene	5.769	164	1059	0.98	ug/l		75
66) Toluene	5.487	92	3727	0.94	ug/l		95
67) 1,1,1,2-Tetrachloroethane	6.238	133	1203	0.99	ug/l		72

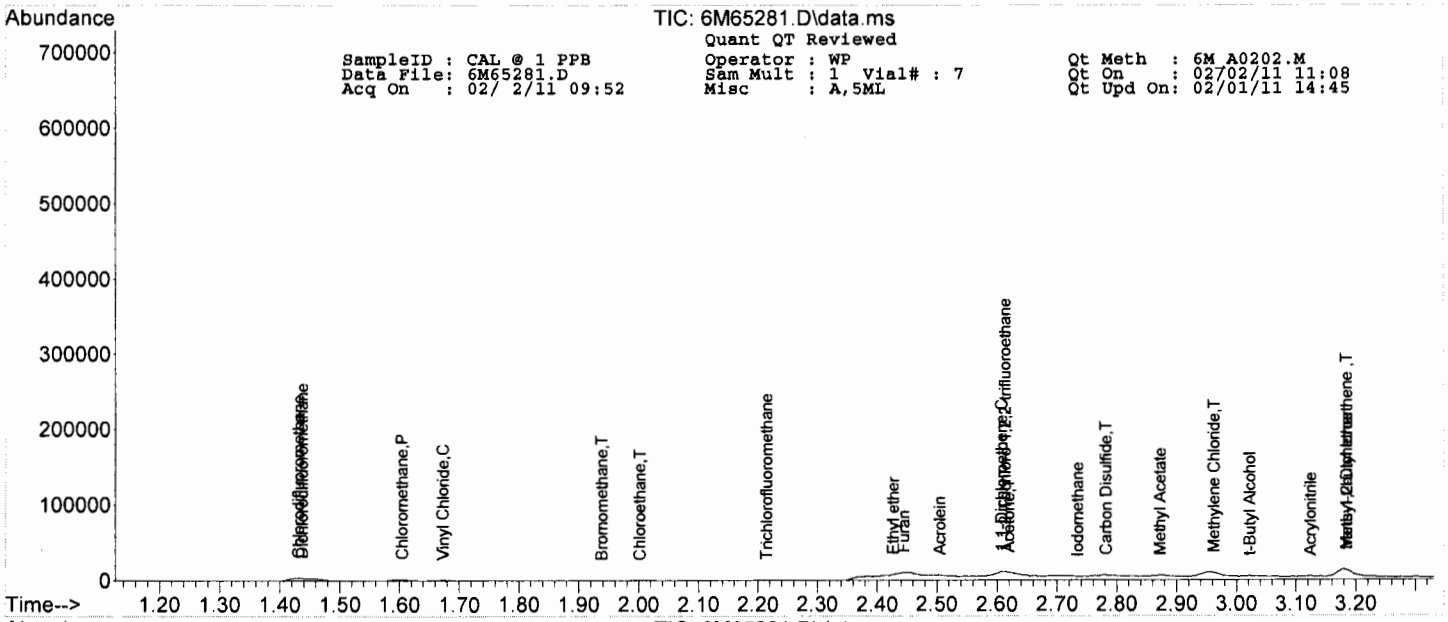
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65281.D Sam Mult : 1 Vial# : 7 Qt On : 02/02/11 11:08
Acq On : 02/ 2/11 09:52 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	Chlorobenzene	6.202	112	3956	0.97	ug/l		99
70)	n-Butyl acrylate	6.448	55	2433	0.59	ug/l		94
71)	n-Amyl acetate	6.563	43	3518	0.73	ug/l		86
72)	Bromoform	6.629	173	931	0.93	ug/l		98
73)	Ethylbenzene	6.250	106	1510	0.86	ug/l		90
74)	1,1,2,2-Tetrachloroethane	6.839	83	2781	1.36	ug/l		85
76)	Styrene	6.520	104	2631	0.71	ug/l		94
77)	m&p-Xylenes	6.304	106	3469	1.69	ug/l		87
78)	o-Xylene	6.514	106	1485	0.71	ug/l		78
79)	trans-1,4-Dichloro-2-b...	6.869	53	959	1.05	ug/l		95
80)	1,3-Dichlorobenzene	7.392	146	2289	0.95	ug/l		96
81)	1,4-Dichlorobenzene	7.434	146	3231m	1.22	ug/l		
82)	1,2-Dichlorobenzene	7.651	146	2546	1.02	ug/l		97
83)	Isopropylbenzene	6.707	105	3356	0.64	ug/l		96
84)	Cyclohexanone	6.761	55	425	5.78	ug/l	#	69
85)	Camphene	6.869	93	1109	0.77	ug/l		87
86)	1,2,3-Trichloropropane	6.875	75	2798	1.24	ug/l		81
87)	2-Chlorotoluene	6.983	91	4524	1.04	ug/l		93
88)	p-Ethyltoluene	6.977	105	4246	0.76	ug/l		83
89)	4-Chlorotoluene	7.037	91	4618	1.00	ug/l		92
90)	n-Propylbenzene	6.923	91	5311	0.76	ug/l		93
91)	Bromobenzene	6.887	77	4378	1.04	ug/l		82
92)	1,3,5-Trimethylbenzene	7.007	105	3062	0.74	ug/l		95
93)	Butyl methacrylate	7.019	41	3388	0.85	ug/l		90
94)	t-Butylbenzene	7.194	119	2413	0.67	ug/l		90
95)	1,2,4-Trimethylbenzene	7.218	105	2899	0.66	ug/l		91
96)	sec-Butylbenzene	7.314	105	2888	0.62	ug/l		97
97)	4-Isopropyltoluene	7.386	119	2077	0.63	ug/l		99
98)	n-Butylbenzene	7.614	91	3254	0.74	ug/l		82
99)	p-Diethylbenzene	7.596	119	1324	0.72	ug/l		98
100)	1,2,4,5-Tetramethylben...	8.041	119	1916	0.60	ug/l		84
101)	1,2-Dibromo-3-Chloropr...	8.077	157	316	1.15	ug/l		90
102)	Camphor	8.504	95	836	7.30	ug/l		78
103)	Hexachlorobutadiene	8.654	225	454	1.01	ug/l		78
104)	1,2,4-Trichlorobenzene	8.564	180	1223	0.96	ug/l		93
105)	1,2,3-Trichlorobenzene	8.853	180	1136	0.99	ug/l		94
106)	Naphthalene	8.714	128	2464	0.74	ug/l		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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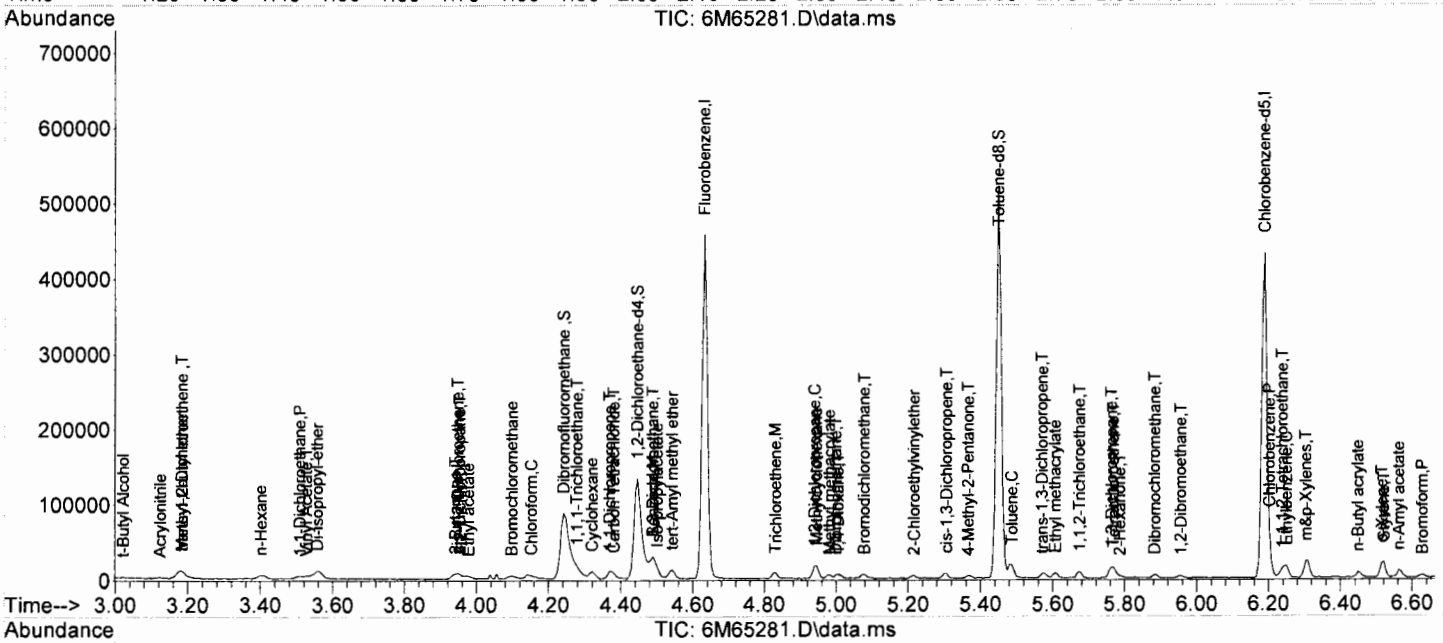
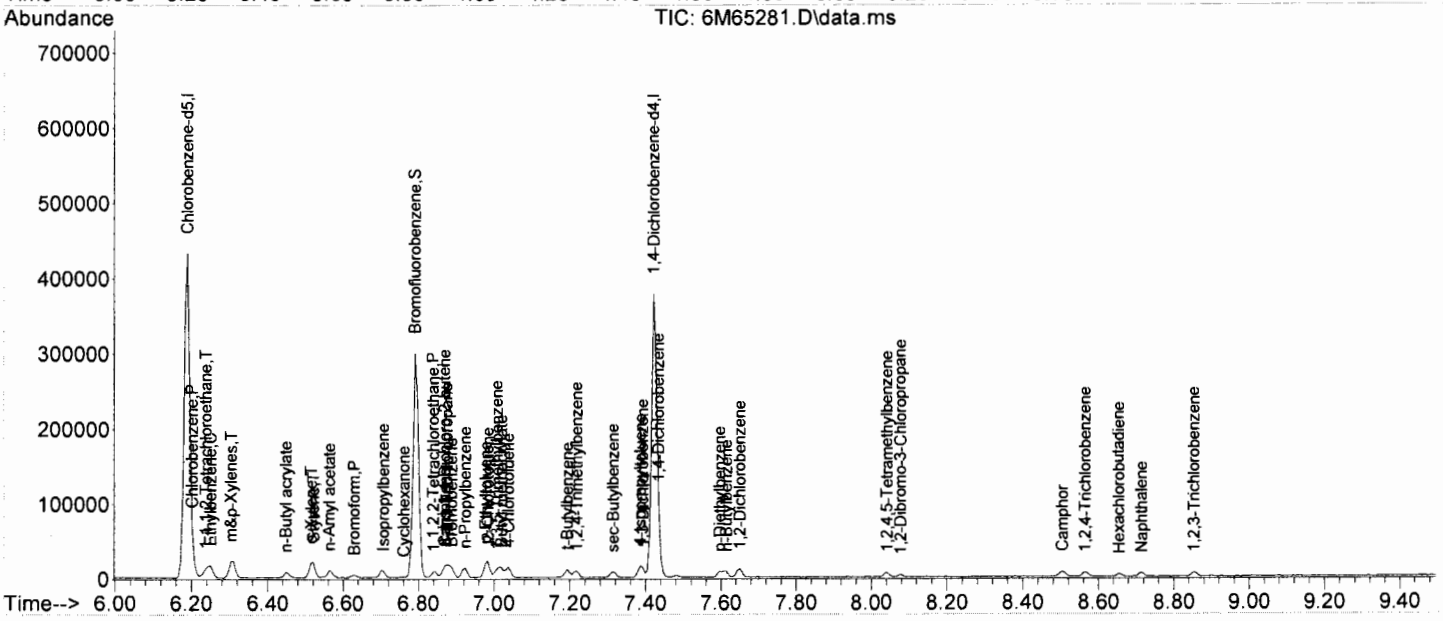
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 6M65281.D
Acq On : 02/ 2/11 09:52
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 11:08
Qt Upd On: 02/01/11 14:45
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65281.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Bromochloromethane
Chloroform,C
Dibromofluoromethane ,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65281.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65282.D Sam Mult : 1 Vial# : 8 Qt On : 02/02/11 12:00
Acq On : 02/ 2/11 10:09 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.634	96	189385	30.00 ug/l	0.01
51) Chlorobenzene-d5	6.191	117	124189	30.00 ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.424	152	54506	30.00 ug/l	0.01
System Monitoring Compounds					
36) Dibromofluoromethane	4.244	111	56026	32.01 ug/l	0.00
Spiked Amount 30.000			Recovery = 106.70%		
38) 1,2-Dichloroethane-d4	4.448	67	40393	33.43 ug/l	0.00
Spiked Amount 30.000			Recovery = 111.43%		
65) Toluene-d8	5.452	98	172234	28.14 ug/l	0.01
Spiked Amount 30.000			Recovery = 93.80%		
75) Bromofluorobenzene	6.792	174	41836	27.06 ug/l	0.00
Spiked Amount 30.000			Recovery = 90.20%		
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D.	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D.	
11) Trichlorofluoromethane	0.000		0	N.D.	
12) Ethyl ether	0.000		0	N.D. d	
13) Furan	0.000		0	N.D. d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
15) Methylene Chloride	0.000		0	N.D. d	
16) Acrolein	0.000		0	N.D. d	
17) Acrylonitrile	0.000		0	N.D. d	
18) Iodomethane	0.000		0	N.D.	
19) Acetone	0.000		0	N.D. d	
20) Carbon Disulfide	0.000		0	N.D. d	
21) t-Butyl Alcohol	0.000		0	N.D. d	
22) n-Hexane	0.000		0	N.D. d	
23) Di-isopropyl-ether	0.000		0	N.D. d	
24) 1,1-Dichloroethene	0.000		0	N.D. d	
25) Methyl Acetate	0.000		0	N.D. d	
26) Methyl-t-butyl ether	3.186	73	1393	0.36 ug/l	87
27) 1,1-Dichloroethane	0.000		0	N.D. d	
28) trans-1,2-Dichloroethene	0.000		0	N.D. d	
29) cis-1,2-Dichloroethene	0.000		0	N.D. d	
30) Bromochloromethane	0.000		0	N.D. d	
31) 2,2-Dichloropropane	0.000		0	N.D. d	
32) Ethyl acetate	0.000		0	N.D. d	
33) 1,4-Dioxane	0.000		0	N.D. d	
34) 1,1-Dichloropropene	0.000		0	N.D. d	
35) Chloroform	0.000		0	N.D. d	
37) Cyclohexane	0.000		0	N.D. d	
39) 1,2-Dichloroethane	4.484	62	1308	0.43 ug/l	39
40) 2-Butanone	0.000		0	N.D. d	
41) 1,1,1-Trichloroethane	0.000		0	N.D. d	
42) Carbon Tetrachloride	0.000		0	N.D. d	
43) Vinyl Acetate	0.000		0	N.D. d	
44) Bromodichloromethane	0.000		0	N.D. d	
45) Methylcyclohexane	0.000		0	N.D. d	
46) Dibromomethane	0.000		0	N.D. d	
47) 1,2-Dichloropropane	0.000		0	N.D. d	
48) Trichloroethene	0.000		0	N.D. d	
49) Benzene	4.490	78	2970	0.43 ug/l	100
50) tert-Amyl methyl ether	0.000		0	N.D. d	
52) Iso-propylacetate	0.000		0	N.D. d	
53) Methyl methacrylate	0.000		0	N.D. d	
54) Dibromochloromethane	0.000		0	N.D. d	
55) 2-Chloroethylvinylether	0.000		0	N.D. d	
56) cis-1,3-Dichloropropene	0.000		0	N.D. d	
57) trans-1,3-Dichloropropene	0.000		0	N.D. d	
58) Ethyl methacrylate	0.000		0	N.D. d	
59) 1,1,2-Trichloroethane	0.000		0	N.D. d	
60) 1,2-Dibromoethane	0.000		0	N.D. d	
61) 1,3-Dichloropropane	0.000		0	N.D. d	
62) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
63) 2-Hexanone	0.000		0	N.D. d	
64) Tetrachloroethene	0.000		0	N.D. d	
66) Toluene	0.000		0	N.D. d	
67) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	

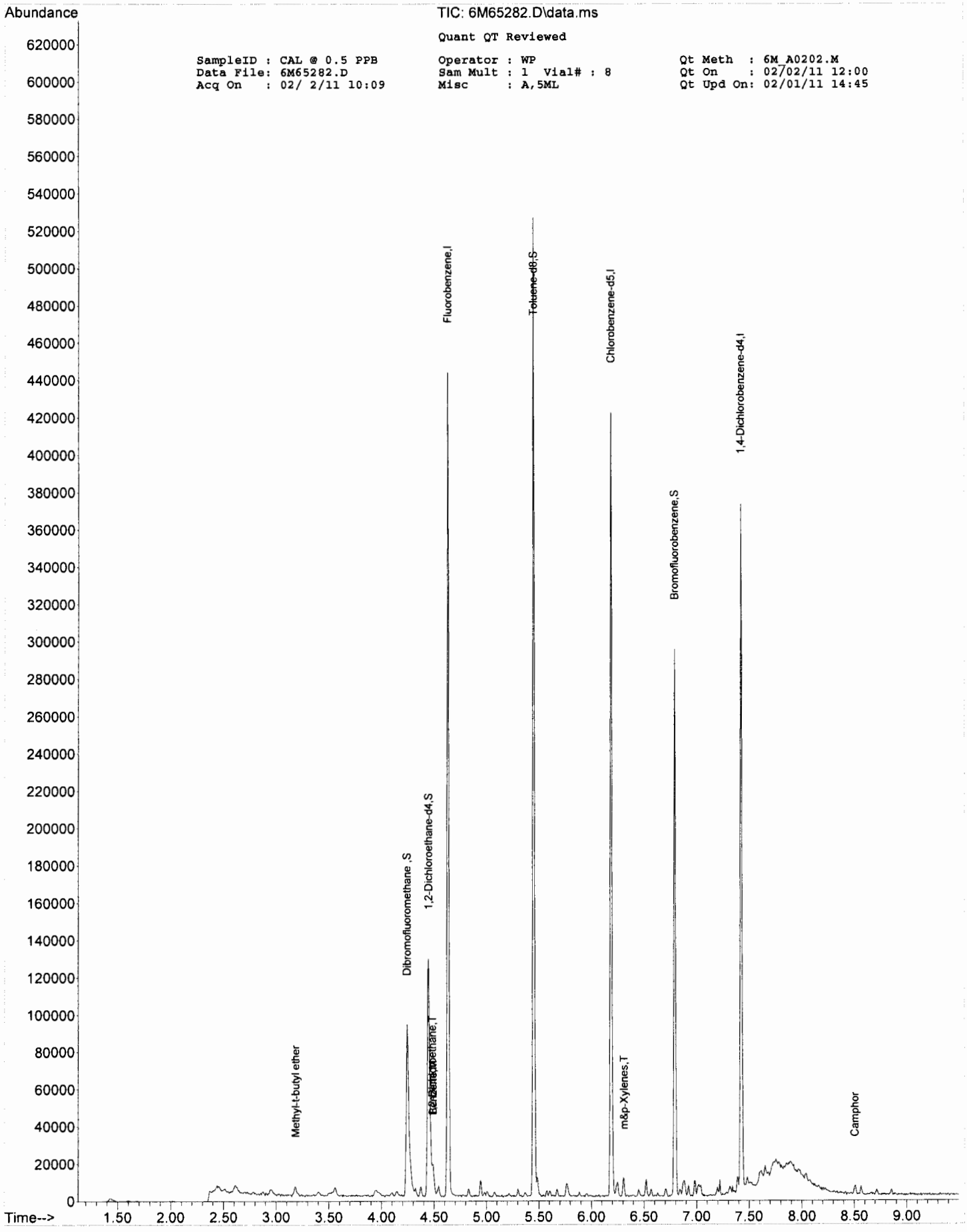
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65282.D Sam Mult : 1 Vial# : 8 Qt On : 02/02/11 12:00
Acq On : 02/ 2/11 10:09 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	0.000		0	N.D. d	
70)	n-Butyl acrylate	0.000		0	N.D. d	
71)	n-Amyl acetate	0.000		0	N.D. d	
72)	Bromoform	0.000		0	N.D. d	
73)	Ethylbenzene	0.000		0	N.D. d	
74)	1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
76)	Styrene	0.000		0	N.D. d	
77)	m&p-Xylenes	6.312	106	1493	0.73 ug/l	93
78)	o-Xylene	0.000		0	N.D. d	
79)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
80)	1,3-Dichlorobenzene	0.000		0	N.D. d	
81)	1,4-Dichlorobenzene	0.000		0	N.D. d	
82)	1,2-Dichlorobenzene	0.000		0	N.D. d	
83)	Isopropylbenzene	0.000		0	N.D. d	
84)	Cyclohexanone	0.000		0	N.D. d	
85)	Camphene	0.000		0	N.D. d	
86)	1,2,3-Trichloropropane	0.000		0	N.D. d	
87)	2-Chlorotoluene	0.000		0	N.D. d	
88)	p-Ethyltoluene	0.000		0	N.D. d	
89)	4-Chlorotoluene	0.000		0	N.D. d	
90)	n-Propylbenzene	0.000		0	N.D. d	
91)	Bromobenzene	0.000		0	N.D. d	
92)	1,3,5-Trimethylbenzene	0.000		0	N.D. d	
93)	Butyl methacrylate	0.000		0	N.D. d	
94)	t-Butylbenzene	0.000		0	N.D. d	
95)	1,2,4-Trimethylbenzene	0.000		0	N.D. d	
96)	sec-Butylbenzene	0.000		0	N.D. d	
97)	4-Isopropyltoluene	0.000		0	N.D. d	
98)	n-Butylbenzene	0.000		0	N.D. d	
99)	p-Diethylbenzene	0.000		0	N.D. d	
100)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
101)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d	
102)	Camphor	8.506	95	658	5.74 ug/l	90
103)	Hexachlorobutadiene	0.000		0	N.D. d	
104)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
105)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
106)	Naphthalene	0.000		0	N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 6M65282.D
Acq On : 02/ 2/11 10:09
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:00
Qt Upd On: 02/01/11 14:45
Methyl-t-butyl ether
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0146

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M87526.	CAL @ 20 PPB	02/09/11 11:41	2	3M87521.	CAL @ 5 PPB	02/09/11 10:18
3	3M87527.	CAL @ 10 PPB	02/09/11 11:58	4	3M87525.	CAL @ 50 PPB	02/09/11 11:25
5	3M87524.	CAL @ 100 PPB	02/09/11 11:08	6	3M87523.	CAL @ 250 PPB	02/09/11 10:52
7	3M87522.	CAL @ 500 PPB	02/09/11 10:35	8	3M87519.	CAL @ 1 PPB	02/09/11 09:40
9	3M87520.	CAL @ 0.5 PPB	02/09/11 09:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.4178	0.4764	0.5074	0.4574	0.4542	0.4601	----	0.8123	----	0.512	1.26	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dichlorodifluoromethan	1	0	LinF	0.2071	0.1534	0.1649	0.1728	0.1613	0.1700	0.1979	0.1207	----	0.169	1.25	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2465	0.2710	0.2219	0.2232	0.2441	0.2550	0.3029	0.1965	----	0.245	1.38	0.994	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.0625	0.0580	0.0551	0.0589	0.0618	----	----	0.0539	----	0.0584	1.70	0.999	1.00	5.9		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	LinF	0.1078	0.1262	0.1580	0.1601	0.1496	0.1529	----	0.1052	----	0.137	1.46	0.999	0.999	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroethane	1	0	LinF	0.0190	0.0195	0.0242	0.0191	0.0175	0.0184	0.0157	0.0360	----	0.0212	1.78	0.994	0.999	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	LinF	0.0987	0.0995	0.1161	0.1136	0.1107	0.1226	0.1132	0.0685	----	0.105	1.96	0.998	0.999	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.0845	0.0947	0.0914	0.0927	0.0875	0.0741	0.0755	0.0073	----	0.0760	2.34	0.999	0.999	38		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2183	0.2068	0.2195	0.2311	0.2206	0.2141	0.1976	0.1638	----	0.209	2.72	0.998	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0122	0.0129	0.0124	0.0137	0.0129	0.0133	0.0136	0.0083	----	0.0124	2.28	1.00	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1133	0.0878	0.1067	0.1155	0.1164	0.1116	0.0960	0.0413	----	0.0986	2.93	0.994	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	LinF	0.3151	0.2411	0.3111	0.3255	0.3130	0.2976	0.2743	0.1944	----	0.284	2.47	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1016	0.0925	0.1056	0.1062	0.1021	0.1081	0.1014	0.1085	----	0.103	2.40	0.999	1.00	5.0		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	LinF	0.6326	0.5103	0.6655	0.6499	0.6384	0.6300	0.5922	0.3753	----	0.587	2.52	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0160	0.0124	0.0160	0.0167	0.0182	0.0205	0.0193	0.0086	----	0.0160	2.82	0.999	0.999	24		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.0940	0.0787	0.1112	0.1313	0.1322	0.1355	0.1329	0.0413	----	0.107	3.14	1.00	1.00	32		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	LinF	1.0751	0.8126	1.0797	1.1325	1.1057	1.0613	0.9065	0.4972	----	0.959	3.32	0.993	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	LinF	0.3502	0.2981	0.3535	0.3669	0.3451	0.2870	0.2964	0.1525	----	0.306	2.35	0.998	0.998	23	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3215	0.2891	0.3151	0.3194	0.3311	0.3515	0.3323	0.2442	----	0.313	2.64	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.4495	0.3239	0.4257	0.4658	0.4490	0.4237	0.3524	0.2584	0.2498	0.378	2.94	0.990	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.4682	0.4105	0.4454	0.4783	0.4714	0.4643	0.4273	0.3000	----	0.433	3.28	0.998	1.00	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	LinF	0.1821	0.1577	0.1831	0.1786	0.1751	0.1615	0.1377	0.1080	----	0.161	2.93	0.992	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.4511	0.3718	0.4318	0.4659	0.4528	0.4205	0.3636	0.3107	----	0.409	3.76	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3382	0.3114	0.3285	0.3439	0.3310	0.3267	0.2995	0.2246	----	0.313	3.94	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	LinF	0.2317	0.2104	0.2273	0.2643	0.2633	0.2351	0.2017	0.1371	----	0.221	3.76	0.992	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0035	0.0021	0.0030	0.0032	0.0032	0.0030	----	0.0014	----	0.00280	5.00	0.999	1.00	27		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	LinF	0.3302	0.2617	0.3338	0.3532	0.3419	0.3078	----	0.1435	----	0.296	4.24	0.997	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroform	1	0	Avg	0.4019	0.3712	0.4068	0.4182	0.4062	0.4000	0.3695	0.2799	----	0.382	4.00	0.998	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2491	0.2708	0.2549	0.2545	0.2508	0.2337	0.2221	0.2675	0.2726	0.253	4.11	-1	-1	6.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.2296	0.1800	0.2609	0.3183	0.3165	0.3200	0.2943	0.1198	----	0.255	4.16	0.998	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.0604	0.0586	0.0568	0.0561	0.0545	0.0543	0.0550	0.0621	0.0603	0.0576	4.35	-1	-1	5.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.4469	0.4028	0.4605	0.4387	0.4249	0.3925	----	0.2487	0.3728	0.399	4.39	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
2-Butanone	1	0	LinF	0.2086	0.1599	0.1881	0.2038	0.1975	0.2302	0.1976	0.1074	----	0.187	3.77	0.994	0.998	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	LinF	0.2884	0.2470	0.2958	0.3039	0.2972	0.3012	0.2707	0.1762	----	0.273	4.12	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	LinF	0.2217	0.1944	0.2342	0.2524	0.2410	0.2256	----	0.1189	----	0.213	4.24	0.999	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Acetate	1	0	LinF	1.2532	0.9313	1.1866	1.3059	1.2949	1.2606	1.0723	0.7606	----	1.13	3.31	0.993	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.3954	0.3296	0.3781	0.4125	0.4165	0.4108	0.3624	0.2780	----	0.373	5.08	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	LinF	0.1441	0.1130	0.1734	0.1997	0.2024	0.1974	0.1823	0.0695	----	0.160	4.89	0.998	1.00	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	LinF	0.2610	0.2435	0.2545	0.2598	0.2454	0.2171	----	0.1358	----	0.231	4.99	0.997	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dichloropropane	1	0	LinF	0.3953	0.3328	0.3926	0.3992	0.3903	0.3735	----	0.2415	----	0.361	4.92	1.00	1.00	16	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Trichloroethene	1	0	LinF	0.2708	0.2139	0.2669	0.2746	0.2626	0.2444	----	0.1587	----	0.242	4.78	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 19.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0147

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M87526.	CAL @ 20 PPB	02/09/11 11:41	2	3M87521.	CAL @ 5 PPB	02/09/11 10:18
3	3M87527.	CAL @ 10 PPB	02/09/11 11:58	4	3M87525.	CAL @ 50 PPB	02/09/11 11:25
5	3M87524.	CAL @ 100 PPB	02/09/11 11:08	6	3M87523.	CAL @ 250 PPB	02/09/11 10:52
7	3M87522.	CAL @ 500 PPB	02/09/11 10:35	8	3M87519.	CAL @ 1 PPB	02/09/11 09:40
9	3M87520.	CAL @ 0.5 PPB	02/09/11 09:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	Avg	1.0526	0.9240	1.0769	1.0832	1.0174	0.9097	----	0.6830	0.8675	0.952	4.38	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	LinF	0.6032	0.4193	0.5720	0.6258	0.6120	0.5823	----	0.2763	----	0.527	4.44	0.999	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dibromochloromethane	1	0	LinF	0.3710	0.2910	0.3460	0.3946	0.3969	0.4151	0.3876	0.1896	----	0.349	6.04	0.999	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.2690	0.1779	0.2486	0.2909	0.3076	0.3248	0.3078	0.1124	----	0.255	5.25	0.999	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.5479	0.4441	0.5077	0.5973	0.6182	0.6448	0.5913	0.2934	----	0.531	5.35	0.998	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.4788	0.3606	0.4505	0.5256	0.5640	0.5863	0.5520	0.2541	----	0.472	5.68	0.999	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3432	0.3115	0.3443	0.3316	0.3299	0.3289	0.2976	0.2335	----	0.315	5.79	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	LinF	0.3963	0.3193	0.3909	0.4086	0.4147	0.4219	0.3752	0.2302	----	0.370	6.12	0.997	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	LinF	0.6746	0.5533	0.6593	0.6749	0.6488	0.6149	0.5234	0.3546	----	0.588	5.90	0.993	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.5994	0.4400	0.5618	0.6300	0.6651	0.7449	0.7238	0.2943	----	0.582	5.43	0.999	0.999	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4506	0.2825	0.4049	0.4742	0.4945	0.5578	0.5381	0.1918	----	0.424	5.93	0.999	0.999	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	LinF	0.2528	0.2300	0.2692	0.2690	0.2600	----	----	0.1574	0.2524	0.242	5.88	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0			1.00	0.50
Toluene-d8	1	0	Avg	0.8123	0.8516	0.7985	0.8085	0.8093	0.8540	0.9069	0.8002	0.8052	0.827	5.52	-1	-1	4.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.7831	0.7278	0.7917	0.7796	0.7837	0.7194	0.5970	0.5822	----	0.721	5.55	0.990	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	LinF	0.3124	0.2685	0.2984	0.3152	0.3038	0.2603	----	0.1832	----	0.277	6.44	0.995	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chlorobenzene	1	0	Avg	0.9360	0.8330	0.9860	0.9463	0.9268	0.8531	0.7220	0.6237	----	0.853	6.40	0.992	1.00	15	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	LinF	0.4894	0.3266	0.4288	0.5398	0.5818	0.6492	0.6319	0.2571	----	0.488	6.91	0.999	0.999	29	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.5291	0.4591	0.5692	0.5353	0.5462	0.4472	----	0.3606	----	0.492	6.45	0.992	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	LinF	0.9104	0.8144	0.9570	0.9438	0.9310	0.9037	0.7563	0.5706	----	0.848	7.16	0.991	1.00	16	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8711	0.8261	0.8568	0.8846	0.9004	0.9788	1.0633	0.8406	0.8282	0.894	7.09	-1	-1	8.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	LinF	1.5101	1.0912	1.5366	1.5584	1.5014	1.2569	----	0.7278	----	1.31	6.77	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	0.7814	0.6113	0.8478	0.8164	0.7785	0.6364	----	0.4007	0.4922	0.671	6.52	0.991	1.00	24		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	0.8455	0.6115	0.8189	0.8628	0.8115	0.6799	----	0.3829	----	0.716	6.76	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.3476	0.2806	0.3505	0.3710	0.3870	0.3823	0.3273	0.1920	----	0.330	7.19	0.994	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	LinF	1.1467	0.9280	1.1354	1.1461	1.1225	1.0308	----	0.6785	----	1.03	7.77	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.4-Dichlorobenzene	1	0	Avg	1.1850	1.0469	1.2114	1.2039	1.2006	1.1420	0.9802	0.8763	----	1.11	7.82	0.994	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.1940	0.9724	1.1955	1.1765	1.2031	1.1347	0.9881	0.7645	----	1.08	8.07	0.995	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	1.7121	1.2045	1.6834	1.9283	1.9623	1.8562	1.6115	0.7817	----	1.59	6.98	0.994	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0509	0.0364	0.0455	0.0569	0.0519	0.0584	0.0531	0.0400	----	0.0492	7.06	0.998	0.999	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.3669	0.2548	0.4294	0.4614	0.4690	0.4354	0.3890	0.2438	----	0.381	7.16	0.996	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	LinF	1.0343	0.8416	1.0397	1.0601	1.0916	1.0251	----	0.6483	----	0.963	7.20	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
2-Chlorotoluene	1	0	LinF	1.4005	1.1150	1.3458	1.4126	1.3467	1.1682	----	0.7504	----	1.22	7.30	0.995	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	LinF	1.9699	1.3463	1.9669	2.1113	2.0174	1.7452	----	1.0169	----	1.74	7.29	0.995	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Chlorotoluene	1	0	LinF	1.4478	1.2154	1.4536	1.4957	1.4854	1.2992	1.1291	0.7468	----	1.28	7.36	0.993	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	LinF	2.1820	1.6774	2.2398	2.3332	2.3932	2.3198	2.0366	1.2427	----	2.05	7.23	0.995	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.7361	1.4313	1.7800	1.6639	1.6417	1.4843	1.3133	1.1413	----	1.52	7.20	0.995	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	LinF	1.4221	0.9925	1.5237	1.4848	1.4783	1.3607	----	0.6062	----	1.27	7.33	0.999	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	LinF	1.2142	0.8379	1.1924	1.3495	1.3662	1.3172	1.1416	0.5962	----	1.13	7.54	0.994	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	LinF	1.5894	1.0315	1.5806	1.7164	1.7008	1.6170	1.3785	0.6242	----	1.40	7.56	0.993	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	1.4433	1.0068	1.4805	1.6405	1.6943	1.6420	1.4648	0.6519	----	1.38	7.67	0.996	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	LinF	1.1643	0.7598	1.1486	1.2773	1.3111	1.2149	1.0301	0.4919	----	1.05	7.75	0.992	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 19.2

Flags

a - failed the spcc criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria(if applicable)
** - ccc compound*
*** - spcc compound*

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_3

0148

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M87526.	CAL @ 20 PPB	02/09/11 11:41	2	3M87521.	CAL @ 5 PPB	02/09/11 10:18
3	3M87527.	CAL @ 10 PPB	02/09/11 11:58	4	3M87525.	CAL @ 50 PPB	02/09/11 11:25
5	3M87524.	CAL @ 100 PPB	02/09/11 11:08	6	3M87523.	CAL @ 250 PPB	02/09/11 10:52
7	3M87522.	CAL @ 500 PPB	02/09/11 10:35	8	3M87519.	CAL @ 1 PPB	02/09/11 09:40
9	3M87520.	CAL @ 0.5 PPB	02/09/11 09:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Butylbenzene	1	0	LinF	1.3757	0.9680	1.3788	1.5112	1.5397	1.4892	1.3041	0.7026	----	1.28	8.01	0.995	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	0.6478	0.4229	0.6185	0.7129	0.7412	0.7092	0.6210	0.3225	----	0.600	8.00	0.995	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.1442	0.6738	1.0632	1.3084	1.3645	1.3388	1.1863	0.5142	----	1.07	8.49	0.996	1.00	29	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloro	1	0	LinF	0.1803	0.1359	0.1664	0.2012	0.2151	0.2413	----	0.0762	----	0.174	8.57	0.998	1.00	32	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Camphor	1	0	LinF	0.0797	0.0445	0.0676	0.0876	0.0922	0.0938	0.0816	0.0286	0.0267	0.0670	9.04	0.995	1.00	40	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.3225	0.2035	0.3529	0.3284	0.3311	0.3149	0.2849	0.1855	----	0.291	9.19	0.997	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	LinF	0.7042	0.4820	0.7046	0.7064	0.7135	0.7028	0.6334	0.3502	----	0.625	9.10	0.997	1.00	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	LinF	0.6832	0.4853	0.6755	0.6693	0.6909	0.6884	0.6252	0.3229	----	0.605	9.43	0.998	1.00	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	1.8031	1.1665	1.6586	1.9144	2.0000	2.0167	1.8392	0.8803	----	1.66	9.28	0.998	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 19.2
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87526.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:41 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	160825	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.384	117	140297	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	87304	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	40062	29.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.03%			
35) 1,2-Dichloroethane-d4	4.345	102	9729	30.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.07%			
59) Toluene-d8	5.518	100	113971	30.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.97%			
67) Bromofluorobenzene	7.087	174	76052	29.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.80%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.265	51	44795	12.93	ug/l	74
6) Dichlorodifluoromethane	1.248	85	22212	18.03	ug/l	90
7) Chloromethane	1.381	50	26429	17.40	ug/l	85
8) Bromomethane	1.697	94	6702	17.05	ug/l	99
9) Vinyl Chloride	1.464	62	11567	12.39	ug/l	96
10) Chloroethane	1.780	66	2047	15.59	ug/l	60
11) Trichlorofluoromethane	1.963	101	10589	15.59	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.343	101	9069	20.45	ug/l	94
13) Methylene Chloride	2.722	84	23410	18.50	ug/l	97
14) Acrolein	2.283	56	6550	77.56	ug/l	95
15) Acrylonitrile	2.926	53	12149	20.21	ug/l	89
16) Iodomethane	2.469	142	33787	26.62	ug/l	94
17) Acetone	2.403	43	54506	86.37	ug/l	96
18) Carbon Disulfide	2.523	76	67829	30.43	ug/l	100
19) t-Butyl Alcohol	2.824	59	8623	102.65	ug/l	93
20) n-Hexane	3.137	57	10079	12.30	ug/l	76
21) Di-isopropyl-ether	3.317	45	115275	19.64	ug/l	76
22) 1,1-Dichloroethene	2.349	61	37548	23.87	ug/l	90
23) Methyl Acetate	2.644	43	34471	18.78	ug/l	100
24) Methyl-t-butyl ether	2.938	73	48197	22.01	ug/l	92
25) 1,1-Dichloroethane	3.281	63	50204	19.13	ug/l	90
26) trans-1,2-Dichloroethene	2.932	96	19530	19.30	ug/l	90
27) cis-1,2-Dichloroethene	3.756	61	48370	19.98	ug/l	83
28) Bromochloromethane	3.942	49	36266	19.92	ug/l	87
29) 2,2-Dichloropropane	3.756	77	24845	19.77	ug/l	95
30) 1,4-Dioxane	5.001	88	18849	1156.72	ug/l	52
31) 1,1-Dichloropropene	4.237	75	35403	19.14	ug/l	95
32) Chloroform	3.997	83	43097	19.10	ug/l	95
34) Cyclohexane	4.165	56	24618	12.90	ug/l	80
36) 1,2-Dichloroethane	4.393	62	47925	19.46	ug/l	95
37) 2-Butanone	3.774	43	22366	19.59	ug/l	73
38) 1,1,1-Trichloroethane	4.123	97	30924	18.61	ug/l	93
39) Carbon Tetrachloride	4.237	117	23770	17.94	ug/l	93
40) Vinyl Acetate	3.311	43	134367	19.87	ug/l	100
41) Bromodichloromethane	5.085	83	42395	20.23	ug/l	98
42) Methylcyclohexane	4.893	83	15453	12.34	ug/l	77
43) Dibromomethane	4.995	174	27991	20.10	ug/l	95
44) 1,2-Dichloropropane	4.917	63	42389	20.18	ug/l	99
45) Trichloroethene	4.778	130	29042	19.55	ug/l	91
46) Benzene	4.381	78	112863	19.73	ug/l	100
47) tert-Amyl methyl ether	4.442	73	64675	23.02	ug/l	76
49) Dibromochloromethane	6.041	129	34703	21.65	ug/l	99
50) 2-Chloroethylvinylether	5.253	63	25164	20.85	ug/l	84
51) cis-1,3-Dichloropropene	5.350	75	51247	20.84	ug/l	96
52) trans-1,3-Dichloropropene	5.680	75	44790	20.66	ug/l	99
53) 1,1,2-Trichloroethane	5.795	97	32105	21.12	ug/l	92
54) 1,2-Dibromoethane	6.119	107	37070	20.86	ug/l	88
55) 1,3-Dichloropropane	5.897	76	63103	21.65	ug/l	91
56) 4-Methyl-2-Pentanone	5.434	43	56066	19.82	ug/l	91
57) 2-Hexanone	5.927	43	42150	20.19	ug/l	86
58) Tetrachloroethene	5.885	164	23648	18.15	ug/l	97
60) Toluene	5.554	92	73244	20.63	ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.444	133	29225	22.81	ug/l	89
62) Chlorobenzene	6.402	112	87548	20.43	ug/l	99
64) Bromoform	6.907	173	28485	21.59	ug/l	92
65) Ethylbenzene	6.450	106	30800	18.66	ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.160	83	52988	21.90	ug/l	86
68) Styrene	6.769	104	87896	21.68	ug/l	98
69) m&p-Xylenes	6.522	106	90964	42.05	ug/l	90

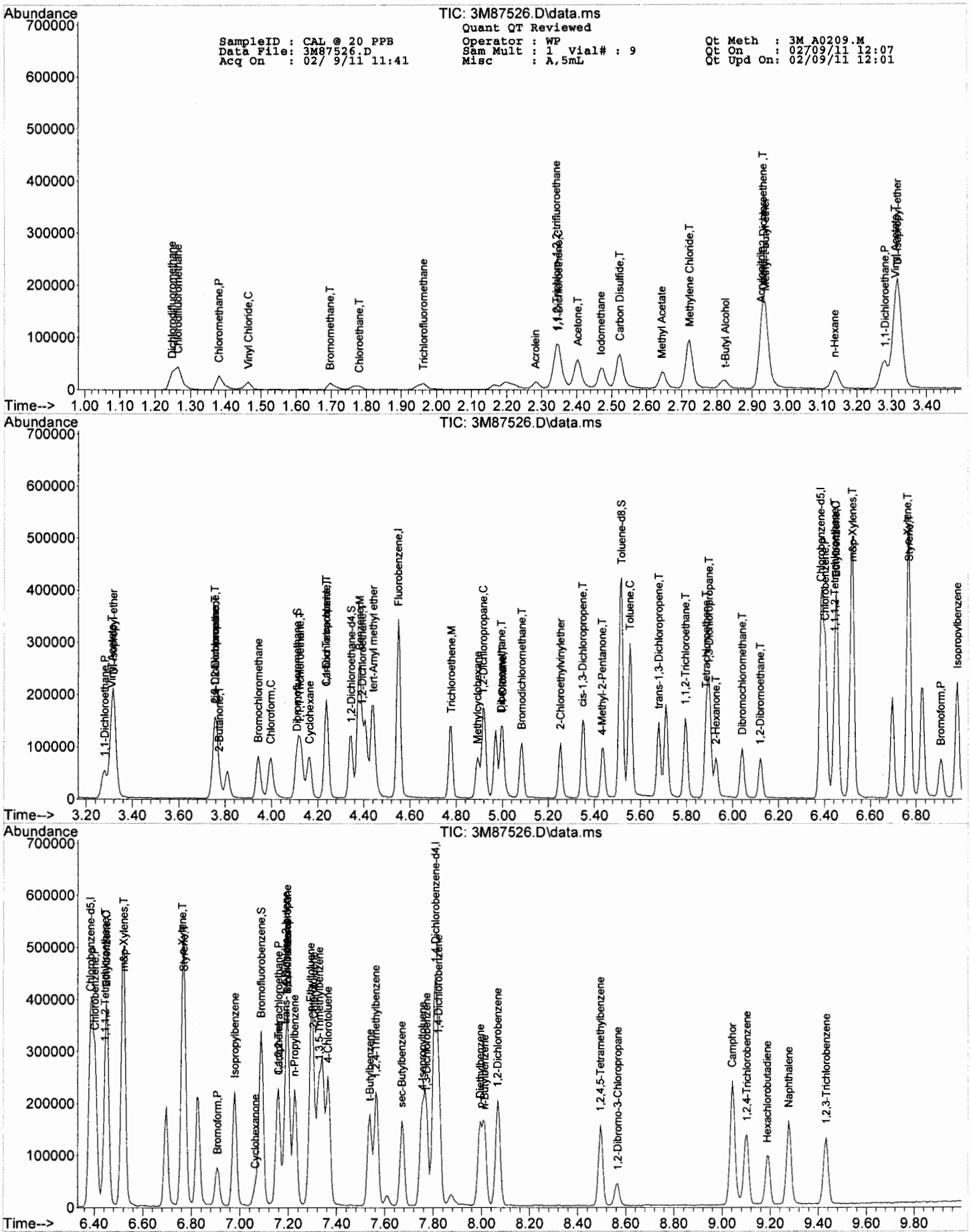
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87526.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:41 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.763	106	49215	21.32 ug/l	88
71) trans-1,4-Dichloro-2-b...	7.190	53	20235	27.51 ug/l	64
72) 1,3-Dichlorobenzene	7.773	146	66746	20.37 ug/l	99
73) 1,4-Dichlorobenzene	7.821	146	68973	19.38 ug/l	94
74) 1,2-Dichlorobenzene	8.068	146	69495	20.42 ug/l	99
75) Isopropylbenzene	6.979	105	99650	18.38 ug/l	99
76) Cyclohexanone	7.063	55	14818	138.49 ug/l	95
77) Camphene	7.160	93	21358	15.83 ug/l	98
78) 1,2,3-Trichloropropane	7.196	75	60202	22.36 ug/l	90
79) 2-Chlorotoluene	7.304	91	81513	19.80 ug/l	96
80) p-Ethyltoluene	7.292	105	114655	18.71 ug/l	98
81) 4-Chlorotoluene	7.364	91	84269	20.84 ug/l	98
82) n-Propylbenzene	7.226	91	127003	18.10 ug/l	100
83) Bromobenzene	7.196	77	101047	21.82 ug/l	86
84) 1,3,5-Trimethylbenzene	7.328	105	82770	18.20 ug/l	93
85) t-Butylbenzene	7.538	119	70671	18.14 ug/l	97
86) 1,2,4-Trimethylbenzene	7.562	105	92508	19.22 ug/l	90
87) sec-Butylbenzene	7.671	105	84004	17.47 ug/l	96
88) 4-Isopropyltoluene	7.755	119	67769	18.15 ug/l	99
89) n-Butylbenzene	8.013	91	80074	17.45 ug/l	98
90) p-Diethylbenzene	7.995	119	37706	17.39 ug/l	96
91) 1,2,4,5-Tetramethylben...	8.494	119	66596	17.76 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	8.567	157	10496	21.93 ug/l	95
93) Camphor	9.042	95	46429	252.54 ug/l	89
94) Hexachlorobutadiene	9.186	225	18772	19.00 ug/l	98
95) 1,2,4-Trichlorobenzene	9.102	180	40987	20.17 ug/l	99
96) 1,2,3-Trichlorobenzene	9.433	180	39769	20.42 ug/l	98
97) Naphthalene	9.276	128	104948	21.44 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M87526.D
Acq On : 02/ 9/11 11:41
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:07
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87521.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:09
Acq On : 02/ 9/11 10:18 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	158070	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.384	117	128807	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.803	152	82853	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	42816	31.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.60%			
35) 1,2-Dichloroethane-d4	4.339	102	9275	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
59) Toluene-d8	5.512	100	109698	32.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.90%			
67) Bromofluorobenzene	7.087	174	68451	27.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.77%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.259	51	12551	3.69	ug/l	100
6) Dichlorodifluoromethane	1.259	85	4042	3.34	ug/l	87
7) Chloromethane	1.375	50	7140	4.78	ug/l	81
8) Bromomethane	1.708	94	1528	3.95	ug/l	90
9) Vinyl Chloride	1.459	62	3327	3.63	ug/l	95
10) Chloroethane	1.775	66	515	3.99	ug/l	81
11) Trichlorofluoromethane	1.958	101	2623	3.93	ug/l	91
12) 1,1,2-Trichloro-1,2,2-...	2.331	101	2495	5.72	ug/l	87
13) Methylene Chloride	2.716	84	5450	4.38	ug/l	80
14) Acrolein	2.283	56	1702	20.50	ug/l	95
15) Acrylonitrile	2.926	53	2313	3.92	ug/l	80
16) Iodomethane	2.469	142	6352	5.09	ug/l	99
17) Acetone	2.403	43	12187	19.65	ug/l	97
18) Carbon Disulfide	2.517	76	13446	6.14	ug/l	100
19) t-Butyl Alcohol	2.812	59	1644	19.91	ug/l	42
20) n-Hexane	3.137	57	2075	2.58	ug/l	69
21) Di-isopropyl-ether	3.317	45	21410	3.71	ug/l	73
22) 1,1-Dichloroethene	2.343	61	7855	5.08	ug/l	86
23) Methyl Acetate	2.643	43	7617	4.22	ug/l	100
24) Methyl-t-butyl ether	2.932	73	8534	3.96	ug/l	84
25) 1,1-Dichloroethane	3.275	63	10817	4.19	ug/l	87
26) trans-1,2-Dichloroethene	2.932	96	4155	4.18	ug/l	90
27) cis-1,2-Dichloroethene	3.756	61	9796	4.12	ug/l	88
28) Bromochloromethane	3.936	49	8206	4.58	ug/l	81
29) 2,2-Dichloropropane	3.750	77	5545	4.49	ug/l	89
30) 1,4-Dioxane	5.001	88	2789	174.14	ug/l	52
31) 1,1-Dichloropropene	4.237	75	6895	3.79	ug/l	97
32) Chloroform	3.990	83	9780	4.41	ug/l	93
34) Cyclohexane	4.165	56	4744	2.53	ug/l	72
36) 1,2-Dichloroethane	4.387	62	10613	4.38	ug/l	98
37) 2-Butanone	3.768	43	4215	3.76	ug/l	75
38) 1,1,1-Trichloroethane	4.123	97	6509	3.99	ug/l	91
39) Carbon Tetrachloride	4.237	117	5123	3.93	ug/l	85
40) Vinyl Acetate	3.311	43	24535	3.69	ug/l	100
41) Bromodichloromethane	5.085	83	8684	4.22	ug/l	96
42) Methylcyclohexane	4.892	83	2979	2.42	ug/l	76
43) Dibromomethane	4.995	174	6415	4.69	ug/l	90
44) 1,2-Dichloropropane	4.916	63	8769	4.25	ug/l	98
45) Trichloroethene	4.772	130	5637	3.86	ug/l	95
46) Benzene	4.375	78	24344	4.33	ug/l	100
47) tert-Amyl methyl ether	4.435	73	11048	4.00	ug/l	87
49) Dibromochloromethane	6.041	129	6248	4.25	ug/l	98
50) 2-Chloroethylvinylether	5.253	63	3821	3.45	ug/l	87
51) cis-1,3-Dichloropropene	5.349	75	9534	4.22	ug/l	92
52) trans-1,3-Dichloropropene	5.680	75	7743	3.89	ug/l	89
53) 1,1,2-Trichloroethane	5.794	97	6689	4.79	ug/l	93
54) 1,2-Dibromoethane	6.119	107	6855	4.20	ug/l	91
55) 1,3-Dichloropropane	5.897	76	11880	4.44	ug/l	99
56) 4-Methyl-2-Pentanone	5.434	43	9446	3.64	ug/l	98
57) 2-Hexanone	5.927	43	6065	3.16	ug/l	89
58) Tetrachloroethene	5.885	164	4938	4.13	ug/l	93
60) Toluene	5.554	92	15625	4.79	ug/l	90
61) 1,1,1,2-Tetrachloroethane	6.444	133	5765	4.90	ug/l	84
62) Chlorobenzene	6.402	112	17883	4.54	ug/l	97
64) Bromoform	6.907	173	4511	3.60	ug/l	98
65) Ethylbenzene	6.450	106	6340	4.05	ug/l	95
66) 1,1,2,2-Tetrachloroethane	7.153	83	11247	4.90	ug/l	81
68) Styrene	6.769	104	15069	3.92	ug/l	97
69) m&p-Xylenes	6.516	106	16885	8.22	ug/l	94

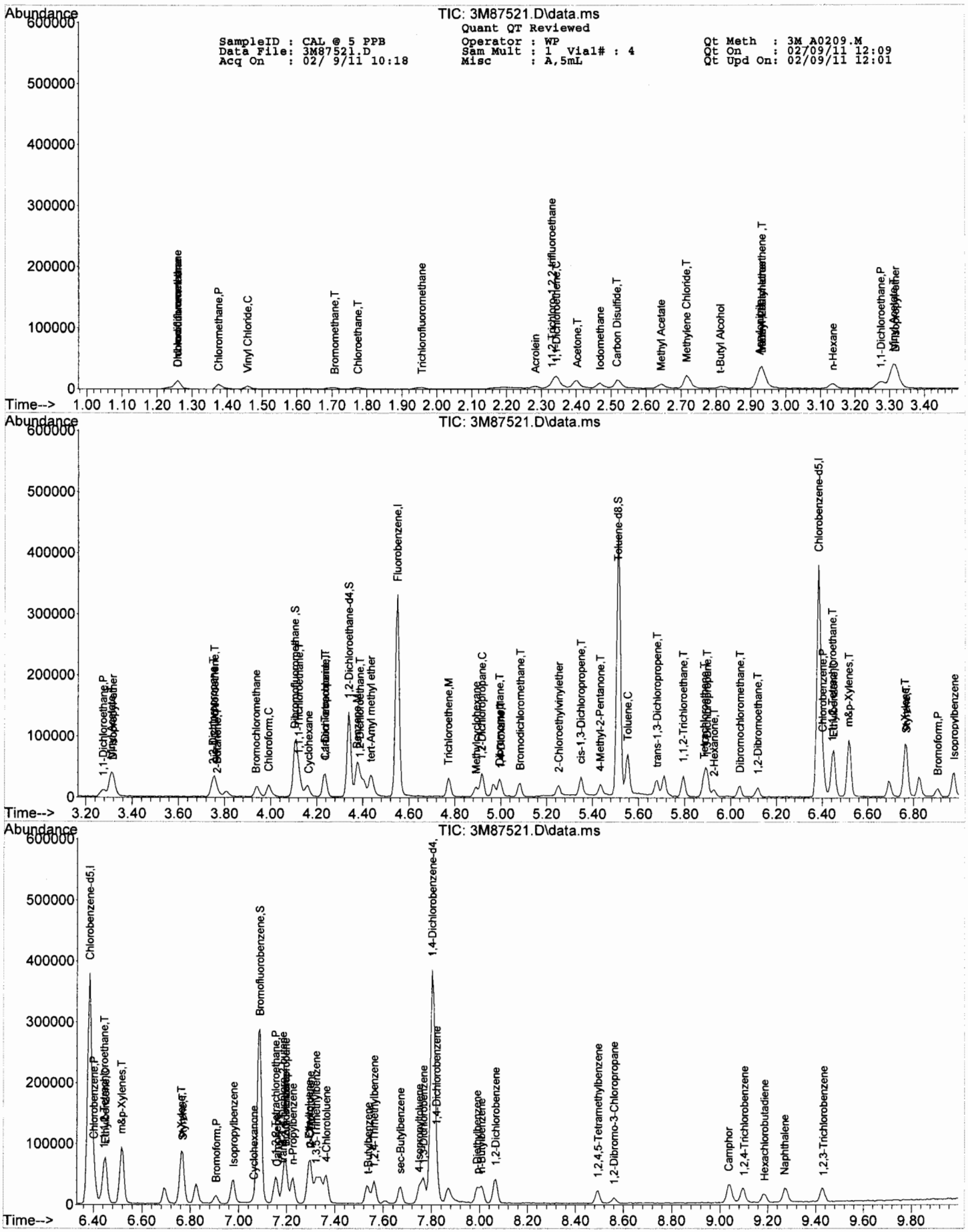
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 3M87521.D
Acq On : 02/ 9/11 10:18
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:09
Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.763	106	8445	3.85	ug/l	91
71) trans-1,4-Dichloro-2-b...	7.183	53	3875	5.55	ug/l	64
72) 1,3-Dichlorobenzene	7.767	146	12815	4.12	ug/l	97
73) 1,4-Dichlorobenzene	7.821	146	14457m	4.28	ug/l	
74) 1,2-Dichlorobenzene	8.067	146	13429	4.16	ug/l	98
75) Isopropylbenzene	6.979	105	16634	3.23	ug/l	98
76) Cyclohexanone	7.063	55	2517	24.79	ug/l	94
77) Camphene	7.159	93	3519	2.75	ug/l	92
78) 1,2,3-Trichloropropane	7.196	75	11622	4.55	ug/l	95
79) 2-Chlorotoluene	7.298	91	15398	3.94	ug/l	95
80) p-Ethyltoluene	7.292	105	18591	3.20	ug/l	96
81) 4-Chlorotoluene	7.364	91	16784	4.37	ug/l	97
82) n-Propylbenzene	7.226	91	23163	3.48	ug/l	97
83) Bromobenzene	7.196	77	19765	4.50	ug/l	87
84) 1,3,5-Trimethylbenzene	7.322	105	13706	3.18	ug/l	85
85) t-Butylbenzene	7.538	119	11571	3.13	ug/l	98
86) 1,2,4-Trimethylbenzene	7.562	105	14245	3.12	ug/l	90
87) sec-Butylbenzene	7.671	105	13904	3.05	ug/l	96
88) 4-Isopropyltoluene	7.749	119	10492	2.96	ug/l	98
89) n-Butylbenzene	8.007	91	13367	3.07	ug/l	93
90) p-Diethylbenzene	7.989	119	5841	2.84	ug/l	96
91) 1,2,4,5-Tetramethylben...	8.494	119	9305	2.61	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.560	157	1877	4.13	ug/l	94
93) Camphor	9.036	95	6146	35.23	ug/l	98
94) Hexachlorobutadiene	9.186	225	2811	3.00	ug/l	99
95) 1,2,4-Trichlorobenzene	9.102	180	6657	3.45	ug/l	97
96) 1,2,3-Trichlorobenzene	9.432	180	6702	3.63	ug/l	98
97) Naphthalene	9.270	128	16109	3.47	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 3M87521.D
Acq On : 02/ 9/11 10:18
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:09
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87527.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:58 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	166024	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.384	117	145224	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	89255	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	42330	30.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.33%			
35) 1,2-Dichloroethane-d4	4.339	102	9433	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
59) Toluene-d8	5.518	100	115965	30.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.23%			
67) Bromofluorobenzene	7.088	174	76477	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	28085	7.86	ug/l	75
6) Dichlorodifluoromethane	1.258	85	9126	7.17	ug/l	95
7) Chloromethane	1.375	50	12280	7.83	ug/l	83
8) Bromomethane	1.707	94	3053	7.52	ug/l	94
9) Vinyl Chloride	1.458	62	8746	9.07	ug/l	92
10) Chloroethane	1.774	66	1340	9.89	ug/l	83
11) Trichlorofluoromethane	1.957	101	6428	9.17	ug/l	100
12) 1,1,2-Trichloro-1,2,2-...	2.337	101	5061	11.06	ug/l	89
13) Methylene Chloride	2.722	84	12152	9.30	ug/l	97
14) Acrolein	2.283	56	3437	39.42	ug/l	71
15) Acrylonitrile	2.926	53	5907	9.52	ug/l	95
16) Iodomethane	2.469	142	17220	13.14	ug/l	94
17) Acetone	2.403	43	29237	44.88	ug/l	91
18) Carbon Disulfide	2.523	76	36833	16.01	ug/l	100
19) t-Butyl Alcohol	2.818	59	4443	51.23	ug/l	80
20) n-Hexane	3.143	57	6156	7.28	ug/l	79
21) Di-isopropyl-ether	3.317	45	59756	9.86	ug/l	74
22) 1,1-Dichloroethene	2.349	61	19568	12.05	ug/l	85
23) Methyl Acetate	2.644	43	17443	9.20	ug/l	100
24) Methyl-t-butyl ether	2.938	73	23559	10.42	ug/l	92
25) 1,1-Dichloroethane	3.275	63	24654	9.10	ug/l	94
26) trans-1,2-Dichloroethene	2.932	96	10135	9.70	ug/l	91
27) cis-1,2-Dichloroethene	3.756	61	23898	9.56	ug/l	83
28) Bromochloromethane	3.943	49	18182	9.67	ug/l	90
29) 2,2-Dichloropropane	3.756	77	12582	9.70	ug/l	95
30) 1,4-Dioxane	5.001	88	8416	500.30	ug/l	64
31) 1,1-Dichloropropene	4.237	75	18478	9.68	ug/l	99
32) Chloroform	3.997	83	22518	9.67	ug/l	96
34) Cyclohexane	4.165	56	14443	7.33	ug/l	77
36) 1,2-Dichloroethane	4.394	62	25489	10.02	ug/l	95
37) 2-Butanone	3.774	43	10412	8.84	ug/l	83
38) 1,1,1-Trichloroethane	4.129	97	16372	9.55	ug/l	92
39) Carbon Tetrachloride	4.237	117	12965	9.48	ug/l	97
40) Vinyl Acetate	3.317	43	65671	9.41	ug/l	100
41) Bromodichloromethane	5.085	83	20927	9.67	ug/l	96
42) Methylcyclohexane	4.893	83	9597	7.42	ug/l	81
43) Dibromomethane	4.995	174	14088	9.80	ug/l	97
44) 1,2-Dichloropropane	4.917	63	21731	10.02	ug/l	96
45) Trichloroethene	4.778	130	14771	9.63	ug/l	88
46) Benzene	4.382	78	59600	10.09	ug/l	100
47) tert-Amyl methyl ether	4.442	73	31658	10.91	ug/l	80
49) Dibromochloromethane	6.041	129	16750	10.10	ug/l	95
50) 2-Chloroethylvinylether	5.253	63	12037	9.63	ug/l	86
51) cis-1,3-Dichloropropene	5.350	75	24577	9.65	ug/l	90
52) trans-1,3-Dichloropropene	5.680	75	21810	9.72	ug/l	92
53) 1,1,2-Trichloroethane	5.795	97	16670	10.60	ug/l	96
54) 1,2-Dibromoethane	6.119	107	18927	10.29	ug/l	93
55) 1,3-Dichloropropane	5.897	76	31917	10.58	ug/l	95
56) 4-Methyl-2-Pentanone	5.440	43	27200	9.29	ug/l	90
57) 2-Hexanone	5.927	43	19603	9.07	ug/l	78
58) Tetrachloroethene	5.885	164	13036	9.67	ug/l	100
60) Toluene	5.554	92	38327	10.43	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.444	133	14448	10.90	ug/l	94
62) Chlorobenzene	6.402	112	47732	10.76	ug/l	99
64) Bromoform	6.907	173	12759	9.46	ug/l	99
65) Ethylbenzene	6.456	106	16936	10.04	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.154	83	28473	11.51	ug/l	80
68) Styrene	6.769	104	45719	11.03	ug/l	100
69) m&p-Xylenes	6.522	106	50450	22.81	ug/l	98

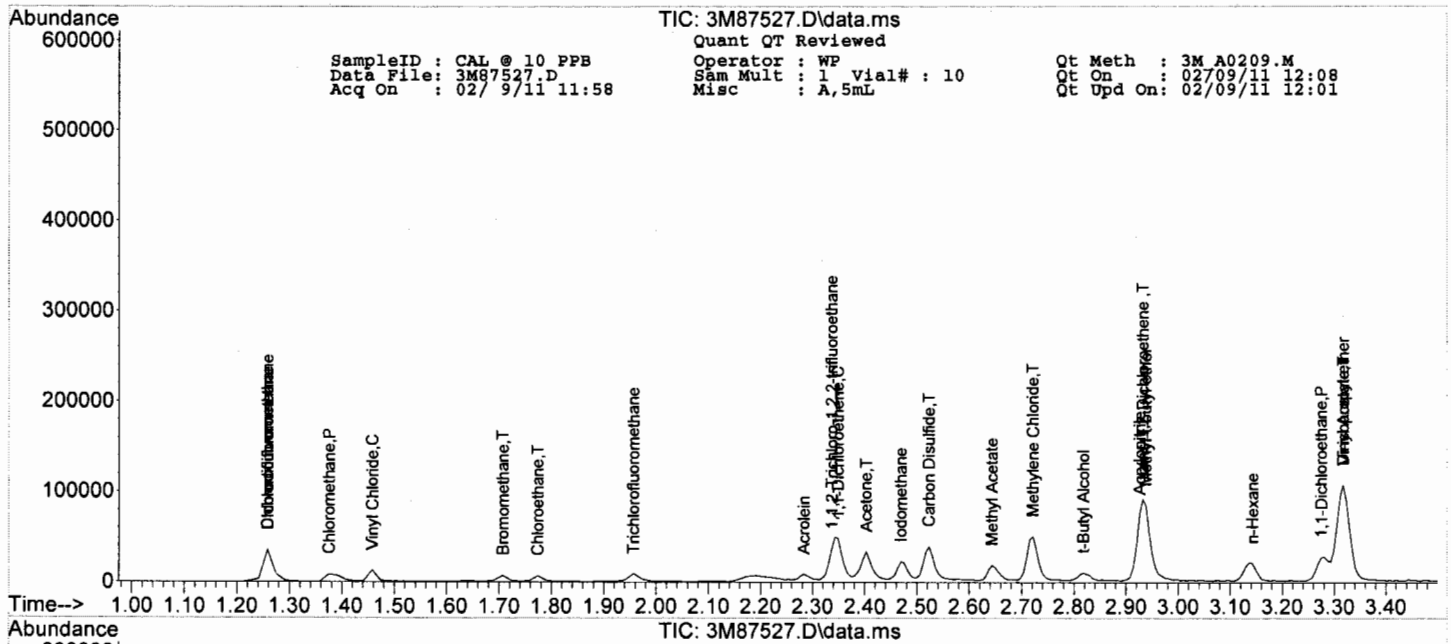
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87527.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:58 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.769	106	24365	10.32 ug/l	87
71)	trans-1,4-Dichloro-2-b...	7.190	53	10429	13.87 ug/l	63
72)	1,3-Dichlorobenzene	7.773	146	33780	10.08 ug/l	98
73)	1,4-Dichlorobenzene	7.821	146	36043	9.90 ug/l	88
74)	1,2-Dichlorobenzene	8.068	146	35570	10.22 ug/l	99
75)	Isopropylbenzene	6.979	105	50085	9.04 ug/l	98
76)	Cyclohexanone	7.069	55	6782	62.00 ug/l	97
77)	Camphene	7.160	93	12778	9.26 ug/l	95
78)	1,2,3-Trichloropropane	7.196	75	30935	11.24 ug/l	90
79)	2-Chlorotoluene	7.304	91	40040	9.52 ug/l	96
80)	p-Ethyltoluene	7.292	105	58519	9.34 ug/l	97
81)	4-Chlorotoluene	7.364	91	43248	10.46 ug/l	97
82)	n-Propylbenzene	7.226	91	66639	9.29 ug/l	99
83)	Bromobenzene	7.196	77	52960	11.19 ug/l	85
84)	1,3,5-Trimethylbenzene	7.328	105	45334	9.75 ug/l	98
85)	t-Butylbenzene	7.539	119	35478	8.91 ug/l	95
86)	1,2,4-Trimethylbenzene	7.569	105	47027	9.56 ug/l	90
87)	sec-Butylbenzene	7.671	105	44048	8.96 ug/l	97
88)	4-Isopropyltoluene	7.755	119	34175	8.95 ug/l	99
89)	n-Butylbenzene	8.014	91	41024	8.75 ug/l	98
90)	p-Diethylbenzene	7.996	119	18403	8.30 ug/l	90
91)	1,2,4,5-Tetramethylben...	8.495	119	31632	8.25 ug/l	97
92)	1,2-Dibromo-3-Chloropr...	8.567	157	4951	10.12 ug/l	100
93)	Camphor	9.042	95	20115	107.02 ug/l	96
94)	Hexachlorobutadiene	9.192	225	10501	10.40 ug/l	97
95)	1,2,4-Trichlorobenzene	9.102	180	20963	10.09 ug/l	98
96)	1,2,3-Trichlorobenzene	9.433	180	20099	10.10 ug/l	95
97)	Naphthalene	9.276	128	49348	9.86 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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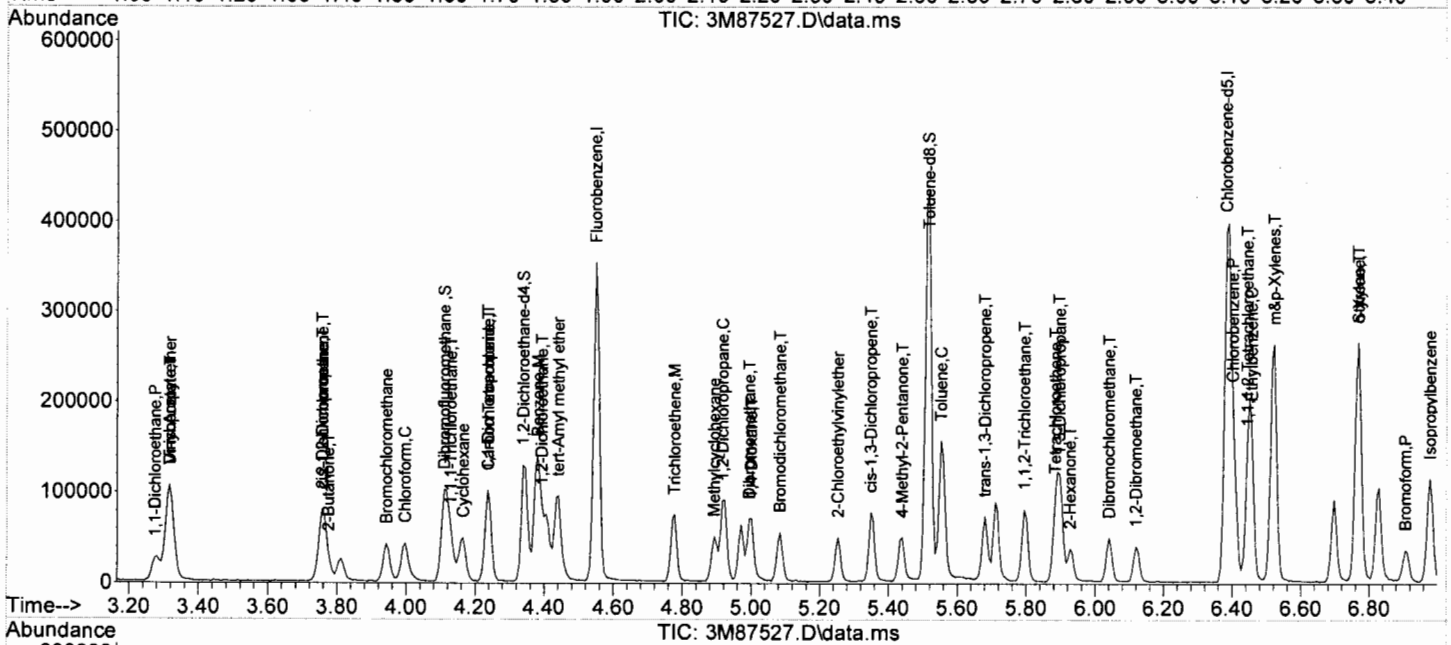
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 3M87527.D
Acq On : 02/ 9/11 11:58
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:08
Qt Upd On: 02/09/11 12:01
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
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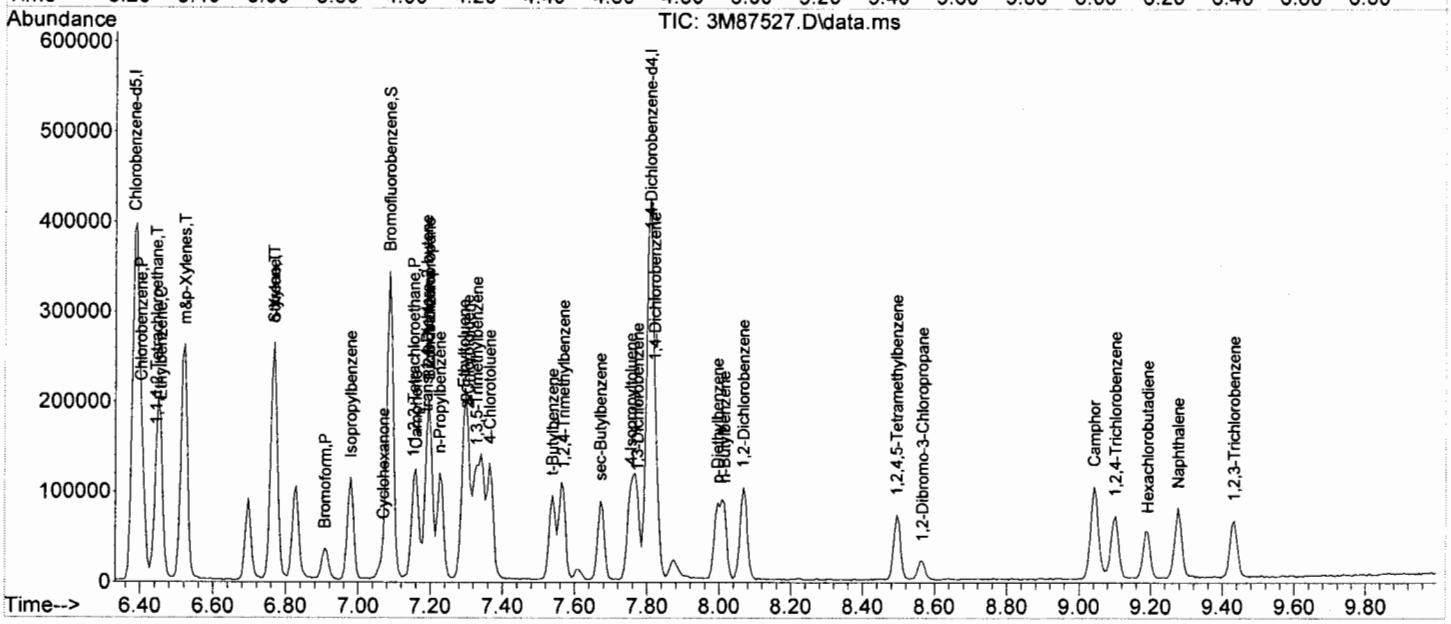
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 3M87527.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
Bromoform,P
Isopropylbenzene
Cyclohexanone
1,4-Dichlorobenzene-d4,I
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87525.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 11:25 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.551	96	163206	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.385	117	144450	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.804	152	88725	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.112	111	41537	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
35) 1,2-Dichloroethane-d4	4.340	102	9169	28.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.70%			
59) Toluene-d8	5.513	100	116794	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.50%			
67) Bromofluorobenzene	7.088	174	78494	29.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.33%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	124442m	35.41	ug/l	
6) Dichlorodifluoromethane	1.258	85	47008	37.59	ug/l	93
7) Chloromethane	1.374	50	60732	39.40	ug/l	87
8) Bromomethane	1.707	94	16026	40.17	ug/l	96
9) Vinyl Chloride	1.458	62	43566	45.98	ug/l	93
10) Chloroethane	1.774	66	5217	39.16	ug/l	86
11) Trichlorofluoromethane	1.956	101	30917	44.86	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.338	101	25230	56.07	ug/l	93
13) Methylene Chloride	2.723	84	62875	48.97	ug/l	94
14) Acrolein	2.284	56	18683	217.99	ug/l	94
15) Acrylonitrile	2.921	53	31428	51.53	ug/l	82
16) Iodomethane	2.470	142	88561	68.76	ug/l	90
17) Acetone	2.404	43	144513	225.65	ug/l	97
18) Carbon Disulfide	2.524	76	176781	78.14	ug/l	100
19) t-Butyl Alcohol	2.819	59	22756	266.93	ug/l	86
20) n-Hexane	3.137	57	35721	42.97	ug/l	83
21) Di-isopropyl-ether	3.318	45	308064	51.73	ug/l	78
22) 1,1-Dichloroethene	2.344	61	99826	62.52	ug/l	85
23) Methyl Acetate	2.644	43	86894	46.64	ug/l	100
24) Methyl-t-butyl ether	2.933	73	126721	57.01	ug/l	93
25) 1,1-Dichloroethane	3.276	63	130124	48.87	ug/l	97
26) trans-1,2-Dichloroethene	2.933	96	48594	47.31	ug/l	82
27) cis-1,2-Dichloroethene	3.757	61	126743	51.59	ug/l	82
28) Bromochloromethane	3.943	49	93564	50.63	ug/l	91
29) 2,2-Dichloropropane	3.757	77	71909	56.37	ug/l	94
30) 1,4-Dioxane	5.002	88	43759	2646.21	ug/l	68
31) 1,1-Dichloropropene	4.238	75	96091	51.20	ug/l	96
32) Chloroform	3.997	83	113769	49.68	ug/l	94
34) Cyclohexane	4.160	56	86586	44.70	ug/l	77
36) 1,2-Dichloroethane	4.394	62	119349	47.75	ug/l	98
37) 2-Butanone	3.775	43	55451	47.87	ug/l	76
38) 1,1,1-Trichloroethane	4.124	97	82670	49.04	ug/l	99
39) Carbon Tetrachloride	4.238	117	68676	51.07	ug/l	90
40) Vinyl Acetate	3.312	43	355234	51.77	ug/l	100
41) Bromodichloromethane	5.086	83	112222	52.76	ug/l	96
42) Methylcyclohexane	4.893	83	54332	42.75	ug/l	80
43) Dibromomethane	4.996	174	70682	50.03	ug/l	96
44) 1,2-Dichloropropane	4.917	63	108608	50.95	ug/l	99
45) Trichloroethene	4.773	130	74714	49.57	ug/l	88
46) Benzene	4.376	78	294655	50.76	ug/l	100
47) tert-Amyl methyl ether	4.436	73	170233	59.70	ug/l	77
49) Dibromochloromethane	6.042	129	95015	57.58	ug/l	98
50) 2-Chloroethylvinylether	5.254	63	70039	56.36	ug/l	88
51) cis-1,3-Dichloropropene	5.350	75	143813	56.80	ug/l	95
52) trans-1,3-Dichloropropene	5.681	75	126548	56.68	ug/l	100
53) 1,1,2-Trichloroethane	5.795	97	79842	51.02	ug/l	94
54) 1,2-Dibromoethane	6.120	107	98391	53.76	ug/l	91
55) 1,3-Dichloropropane	5.898	76	162496	54.14	ug/l	94
56) 4-Methyl-2-Pentanone	5.434	43	151689	52.08	ug/l	91
57) 2-Hexanone	5.928	43	114173	53.12	ug/l	87
58) Tetrachloroethene	5.886	164	64780	48.30	ug/l	96
60) Toluene	5.555	92	187695	51.34	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.445	133	75887	57.53	ug/l	88
62) Chlorobenzene	6.403	112	227827	51.63	ug/l	95
64) Bromoform	6.908	173	79829	59.54	ug/l	99
65) Ethylbenzene	6.451	106	79160	47.19	ug/l	82
66) 1,1,2,2-Tetrachloroethane	7.154	83	139572	56.76	ug/l	87
68) Styrene	6.769	104	230453	55.93	ug/l	99
69) m&p-Xylenes	6.517	106	241469	109.84	ug/l	92

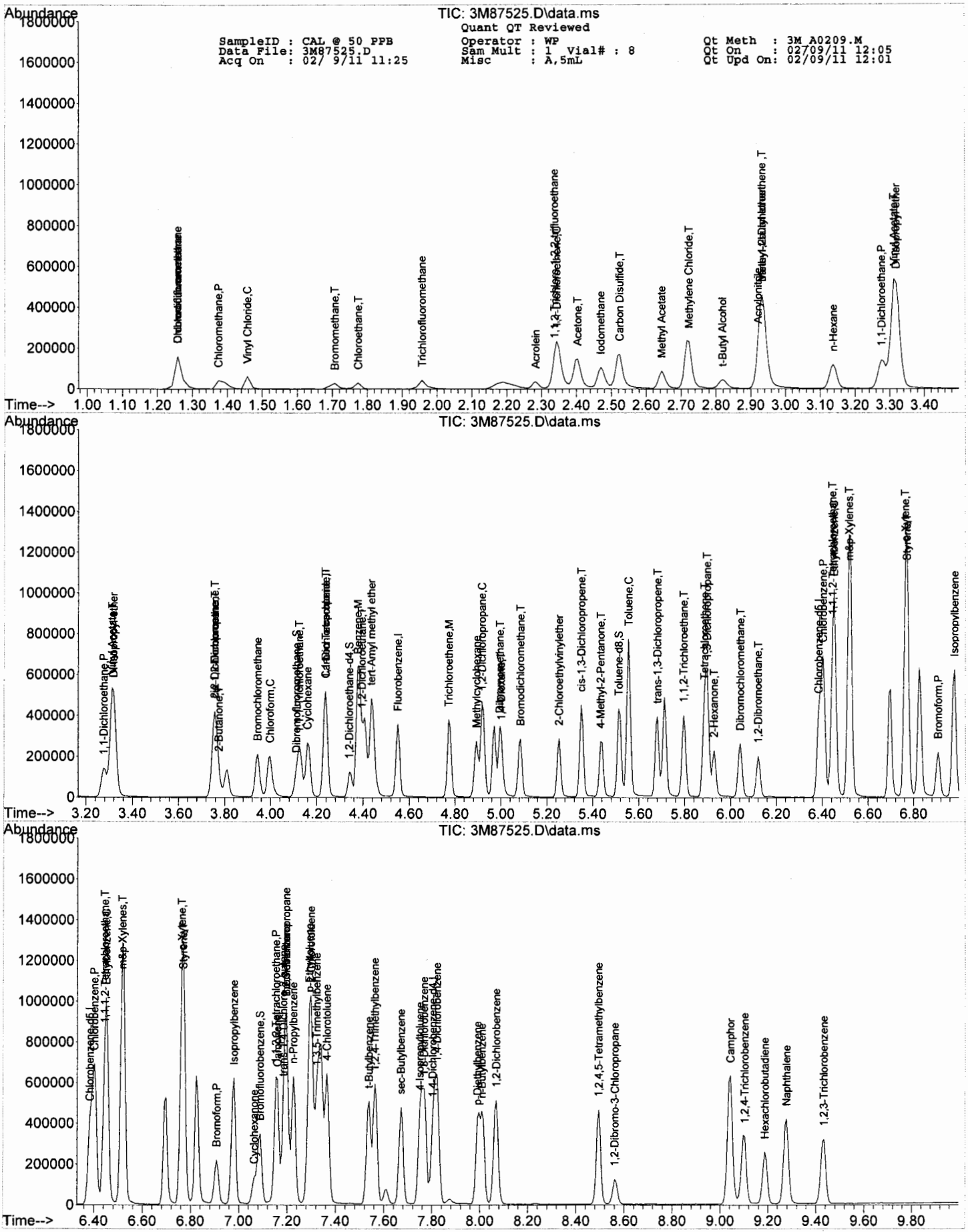
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87525.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 11:25 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.763	106	127587	54.38 ug/l	86
71) trans-1,4-Dichloro-2-b...	7.184	53	54861	73.39 ug/l	58
72) 1,3-Dichlorobenzene	7.768	146	169485	50.89 ug/l	99
73) 1,4-Dichlorobenzene	7.822	146	178039	49.22 ug/l	99
74) 1,2-Dichlorobenzene	8.068	146	173978	50.29 ug/l	99
75) Isopropylbenzene	6.980	105	285159	51.75 ug/l	99
76) Cyclohexanone	7.064	55	42101	387.17 ug/l	93
77) Camphene	7.160	93	68236	49.75 ug/l	97
78) 1,2,3-Trichloropropane	7.196	75	156768	57.30 ug/l	88
79) 2-Chlorotoluene	7.299	91	208889	49.94 ug/l	97
80) p-Ethyltoluene	7.293	105	312208	50.13 ug/l	98
81) 4-Chlorotoluene	7.365	91	221183	53.82 ug/l	97
82) n-Propylbenzene	7.226	91	345024	48.39 ug/l	100
83) Bromobenzene	7.196	77	246054	52.28 ug/l	88
84) 1,3,5-Trimethylbenzene	7.323	105	219578	47.51 ug/l	96
85) t-Butylbenzene	7.539	119	199563	50.40 ug/l	97
86) 1,2,4-Trimethylbenzene	7.563	105	253812	51.88 ug/l	88
87) sec-Butylbenzene	7.671	105	242596	49.65 ug/l	96
88) 4-Isopropyltoluene	7.750	119	188892	49.77 ug/l	99
89) n-Butylbenzene	8.008	91	223471	47.92 ug/l	99
90) p-Diethylbenzene	7.990	119	105430	47.84 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.495	119	193486	50.77 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	8.561	157	29757	61.17 ug/l	93
93) Camphor	9.042	95	129591	693.60 ug/l	91
94) Hexachlorobutadiene	9.187	225	48570	48.38 ug/l	98
95) 1,2,4-Trichlorobenzene	9.103	180	104472	50.59 ug/l	98
96) 1,2,3-Trichlorobenzene	9.433	180	98986	50.02 ug/l	98
97) Naphthalene	9.277	128	283097	56.90 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 3M87525.D
Acq On : 02/ 9/11 11:25
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:05
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87524.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 11:08 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	165783	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	143148	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	86321	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	41584	29.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.70%			
35) 1,2-Dichloroethane-d4	4.345	102	9044	27.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.93%			
59) Toluene-d8	5.517	100	115857	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
67) Bromofluorobenzene	7.087	174	77731	30.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.10%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.259	51	251030	70.31	ug/l	88
6) Dichlorodifluoromethane	1.259	85	89164	70.20	ug/l	93
7) Chloromethane	1.375	50	134922	86.18	ug/l	85
8) Bromomethane	1.691	94	34173	84.33	ug/l	99
9) Vinyl Chloride	1.459	62	82682	85.91	ug/l	97
10) Chloroethane	1.775	66	9700	71.69	ug/l	76
11) Trichlorofluoromethane	1.957	101	61196	87.41	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	48375	105.83	ug/l	90
13) Methylene Chloride	2.721	84	121915	93.48	ug/l	98
14) Acrolein	2.282	56	35709	410.17	ug/l	96
15) Acrylonitrile	2.920	53	64353	103.87	ug/l	89
16) Iodomethane	2.469	142	172989	132.23	ug/l	90
17) Acetone	2.403	43	282152	433.72	ug/l	94
18) Carbon Disulfide	2.517	76	352818	153.53	ug/l	100
19) t-Butyl Alcohol	2.823	59	50463	582.74	ug/l	94
20) n-Hexane	3.136	57	73076	86.55	ug/l	83
21) Di-isopropyl-ether	3.317	45	611021	101.00	ug/l	76
22) 1,1-Dichloroethene	2.342	61	190719	117.60	ug/l	81
23) Methyl Acetate	2.643	43	182992	96.70	ug/l	100
24) Methyl-t-butyl ether	2.932	73	248124	109.90	ug/l	92
25) 1,1-Dichloroethane	3.274	63	260518	96.32	ug/l	98
26) trans-1,2-Dichloroethene	2.932	96	96774	92.76	ug/l	84
27) cis-1,2-Dichloroethene	3.756	61	250229	100.27	ug/l	81
28) Bromochloromethane	3.942	49	182919	97.45	ug/l	88
29) 2,2-Dichloropropane	3.756	77	145553	112.33	ug/l	95
30) 1,4-Dioxane	5.000	88	89589	5333.45	ug/l	59
31) 1,1-Dichloropropene	4.237	75	188942	99.11	ug/l	98
32) Chloroform	3.996	83	224495	96.50	ug/l	100
34) Cyclohexane	4.158	56	174929	88.90	ug/l	78
36) 1,2-Dichloroethane	4.393	62	234809	92.48	ug/l	99
37) 2-Butanone	3.774	43	109166	92.78	ug/l	77
38) 1,1,1-Trichloroethane	4.128	97	164236	95.91	ug/l	98
39) Carbon Tetrachloride	4.237	117	133202	97.52	ug/l	88
40) Vinyl Acetate	3.311	43	715591	102.66	ug/l	100
41) Bromodichloromethane	5.084	83	230210	106.55	ug/l	99
42) Methylcyclohexane	4.892	83	111898	86.69	ug/l	80
43) Dibromomethane	4.994	174	135659	94.52	ug/l	95
44) 1,2-Dichloropropane	4.922	63	215685	99.60	ug/l	100
45) Trichloroethene	4.778	130	145135	94.80	ug/l	91
46) Benzene	4.375	78	562263	95.35	ug/l	100
47) tert-Amyl methyl ether	4.435	73	338211	116.77	ug/l	74
49) Dibromochloromethane	6.041	129	189426	115.83	ug/l	99
50) 2-Chloroethylvinylether	5.253	63	146808	119.21	ug/l	84
51) cis-1,3-Dichloropropene	5.349	75	295025	117.57	ug/l	94
52) trans-1,3-Dichloropropene	5.680	75	269138	121.65	ug/l	98
53) 1,1,2-Trichloroethane	5.794	97	157432	101.52	ug/l	92
54) 1,2-Dibromoethane	6.119	107	197911	109.13	ug/l	97
55) 1,3-Dichloropropane	5.896	76	309603	104.09	ug/l	94
56) 4-Methyl-2-Pentanone	5.433	43	317404	109.98	ug/l	93
57) 2-Hexanone	5.926	43	235996	110.80	ug/l	87
58) Tetrachloroethene	5.884	164	124066	93.35	ug/l	95
60) Toluene	5.553	92	373993	103.22	ug/l	100
61) 1,1,1,2-Tetrachloroethane	6.443	133	145003	110.93	ug/l	89
62) Chlorobenzene	6.401	112	442277	101.14	ug/l	98
64) Bromoform	6.906	173	167408	128.33	ug/l	95
65) Ethylbenzene	6.455	106	157184	96.32	ug/l	87
66) 1,1,2,2-Tetrachloroethane	7.159	83	267910	111.98	ug/l	89
68) Styrene	6.768	104	432007	107.77	ug/l	94
69) m&p-Xylenes	6.522	106	448038	209.47	ug/l	92

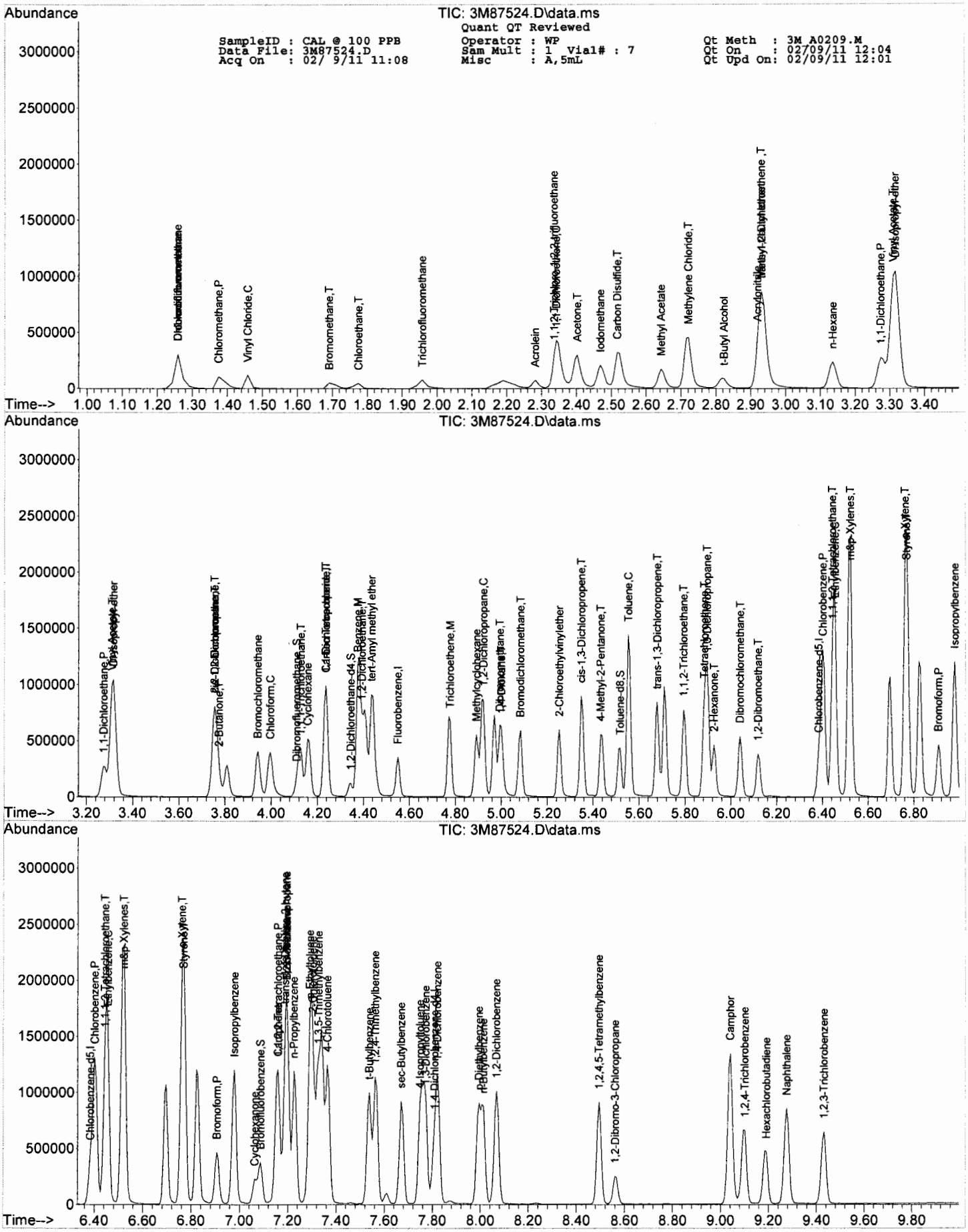
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87524.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 11:08 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.762	106	233525	102.31	ug/l	77
71) trans-1,4-Dichloro-2-b...	7.189	53	111355	153.11	ug/l	56
72) 1,3-Dichlorobenzene	7.772	146	323000	99.68	ug/l	99
73) 1,4-Dichlorobenzene	7.820	146	345456	98.16	ug/l	99
74) 1,2-Dichlorobenzene	8.067	146	346178	102.85	ug/l	99
75) Isopropylbenzene	6.979	105	564634	105.32	ug/l	98
76) Cyclohexanone	7.063	55	74714	706.22	ug/l	92
77) Camphene	7.159	93	134955	101.14	ug/l	97
78) 1,2,3-Trichloropropane	7.195	75	314119	118.01	ug/l	87
79) 2-Chlorotoluene	7.303	91	387498	95.22	ug/l	97
80) p-Ethyltoluene	7.291	105	580504	95.80	ug/l	96
81) 4-Chlorotoluene	7.363	91	427417	106.90	ug/l	96
82) n-Propylbenzene	7.225	91	688632	99.27	ug/l	99
83) Bromobenzene	7.195	77	472378	103.16	ug/l	87
84) 1,3,5-Trimethylbenzene	7.327	105	425384	94.61	ug/l	96
85) t-Butylbenzene	7.538	119	393110	102.06	ug/l	95
86) 1,2,4-Trimethylbenzene	7.562	105	489396	102.83	ug/l	89
87) sec-Butylbenzene	7.670	105	487524	102.55	ug/l	96
88) 4-Isopropyltoluene	7.748	119	377276	102.17	ug/l	100
89) n-Butylbenzene	8.013	91	443030	97.65	ug/l	99
90) p-Diethylbenzene	7.995	119	213275	99.48	ug/l	96
91) 1,2,4,5-Tetramethylben...	8.494	119	392634	105.90	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	8.560	157	61903	130.80	ug/l	96
93) Camphor	9.041	95	265439	1460.26	ug/l	89
94) Hexachlorobutadiene	9.191	225	95290	97.55	ug/l	99
95) 1,2,4-Trichlorobenzene	9.101	180	205319	102.19	ug/l	99
96) 1,2,3-Trichlorobenzene	9.432	180	198809	103.25	ug/l	99
97) Naphthalene	9.276	128	575500	118.89	ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 3M87524.D
Acq On : 02/ 9/11 11:08
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:04
Qt Upd On: 02/09/11 12:01
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87523.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:02
Acq On : 02/ 9/11 10:52 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	168608	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	139222	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	81764	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	39411	27.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.97%			
35) 1,2-Dichloroethane-d4	4.339	102	9167	27.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.63%			
59) Toluene-d8	5.517	100	118898	32.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.20%			
67) Bromofluorobenzene	7.087	174	80034	32.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	646589	178.08	ug/l	79
6) Dichlorodifluoromethane	1.258	85	238943	184.96	ug/l	92
7) Chloromethane	1.374	50	358293	225.02	ug/l	85
8) Bromomethane	1.690	94	64637	156.84	ug/l	97
9) Vinyl Chloride	1.457	62	214850	219.51	ug/l	97
10) Chloroethane	1.757	66	25982	188.80	ug/l	95
11) Trichlorofluoromethane	1.956	101	172267	241.92	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.342	101	104176	224.09	ug/l	90
13) Methylene Chloride	2.715	84	300911	226.87	ug/l	93
14) Acrolein	2.282	56	93703	1058.29	ug/l	98
15) Acrylonitrile	2.920	53	156821	248.88	ug/l	96
16) Iodomethane	2.469	142	418159	314.27	ug/l	87
17) Acetone	2.403	43	759735	1148.28	ug/l	94
18) Carbon Disulfide	2.517	76	885283	378.79	ug/l	100
19) t-Butyl Alcohol	2.824	59	144482	1640.50	ug/l	95
20) n-Hexane	3.136	57	190462	221.79	ug/l	83
21) Di-isopropyl-ether	3.317	45	1491260	242.37	ug/l	75
22) 1,1-Dichloroethene	2.342	61	403294	244.51	ug/l	82
23) Methyl Acetate	2.643	43	493892	256.62	ug/l	100
24) Methyl-t-butyl ether	2.932	73	595322	259.26	ug/l	91
25) 1,1-Dichloroethane	3.275	63	652390	237.16	ug/l	96
26) trans-1,2-Dichloroethene	2.932	96	227050	213.99	ug/l	83
27) cis-1,2-Dichloroethene	3.756	61	590932	232.82	ug/l	81
28) Bromochloromethane	3.942	49	459157	240.51	ug/l	88
29) 2,2-Dichloropropane	3.756	77	330432	250.75	ug/l	93
30) 1,4-Dioxane	5.000	88	212538	12440.90	ug/l	55
31) 1,1-Dichloropropene	4.237	75	432593	223.12	ug/l	97
32) Chloroform	3.996	83	562051	237.55	ug/l	95
34) Cyclohexane	4.158	56	449644	224.68	ug/l	76
36) 1,2-Dichloroethane	4.393	62	551497	213.58	ug/l	100
37) 2-Butanone	3.774	43	323552	270.38	ug/l	76
38) 1,1,1-Trichloroethane	4.128	97	423226	243.00	ug/l	98
39) Carbon Tetrachloride	4.237	117	317023	228.21	ug/l	92
40) Vinyl Acetate	3.311	43	1771271	249.85	ug/l	100
41) Bromodichloromethane	5.085	83	577314	262.72	ug/l	98
42) Methylcyclohexane	4.892	83	277383	211.28	ug/l	78
43) Dibromomethane	4.994	174	305125	209.03	ug/l	94
44) 1,2-Dichloropropane	4.922	63	524846	238.31	ug/l	99
45) Trichloroethene	4.772	130	343510	220.61	ug/l	90
46) Benzene	4.375	78	1278186	213.13	ug/l	100
47) tert-Amyl methyl ether	4.441	73	818174	277.75	ug/l	75
49) Dibromochloromethane	6.041	129	481600	302.79	ug/l	100
50) 2-Chloroethylvinylether	5.253	63	376874	314.66	ug/l	84
51) cis-1,3-Dichloropropene	5.349	75	748148	306.56	ug/l	94
52) trans-1,3-Dichloropropene	5.680	75	680283	316.15	ug/l	100
53) 1,1,2-Trichloroethane	5.794	97	381679	253.06	ug/l	92
54) 1,2-Dibromoethane	6.119	107	489538	277.54	ug/l	92
55) 1,3-Dichloropropane	5.902	76	713487	246.65	ug/l	95
56) 4-Methyl-2-Pentanone	5.433	43	864252	307.90	ug/l	91
57) 2-Hexanone	5.926	43	647182	312.42	ug/l	87
58) Tetrachloroethene	5.884	164	274413	212.29	ug/l	99
60) Toluene	5.554	92	834661	236.86	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.444	133	302005	237.56	ug/l	90
62) Chlorobenzene	6.401	112	989842	232.74	ug/l	97
64) Bromoform	6.907	173	442348	357.98	ug/l	99
65) Ethylbenzene	6.456	106	304704	197.13	ug/l	83
66) 1,1,2,2-Tetrachloroethane	7.159	83	615766	271.73	ug/l	87
68) Styrene	6.774	104	856414	225.55	ug/l	98
69) m&p-Xylenes	6.522	106	867238	428.06	ug/l	87

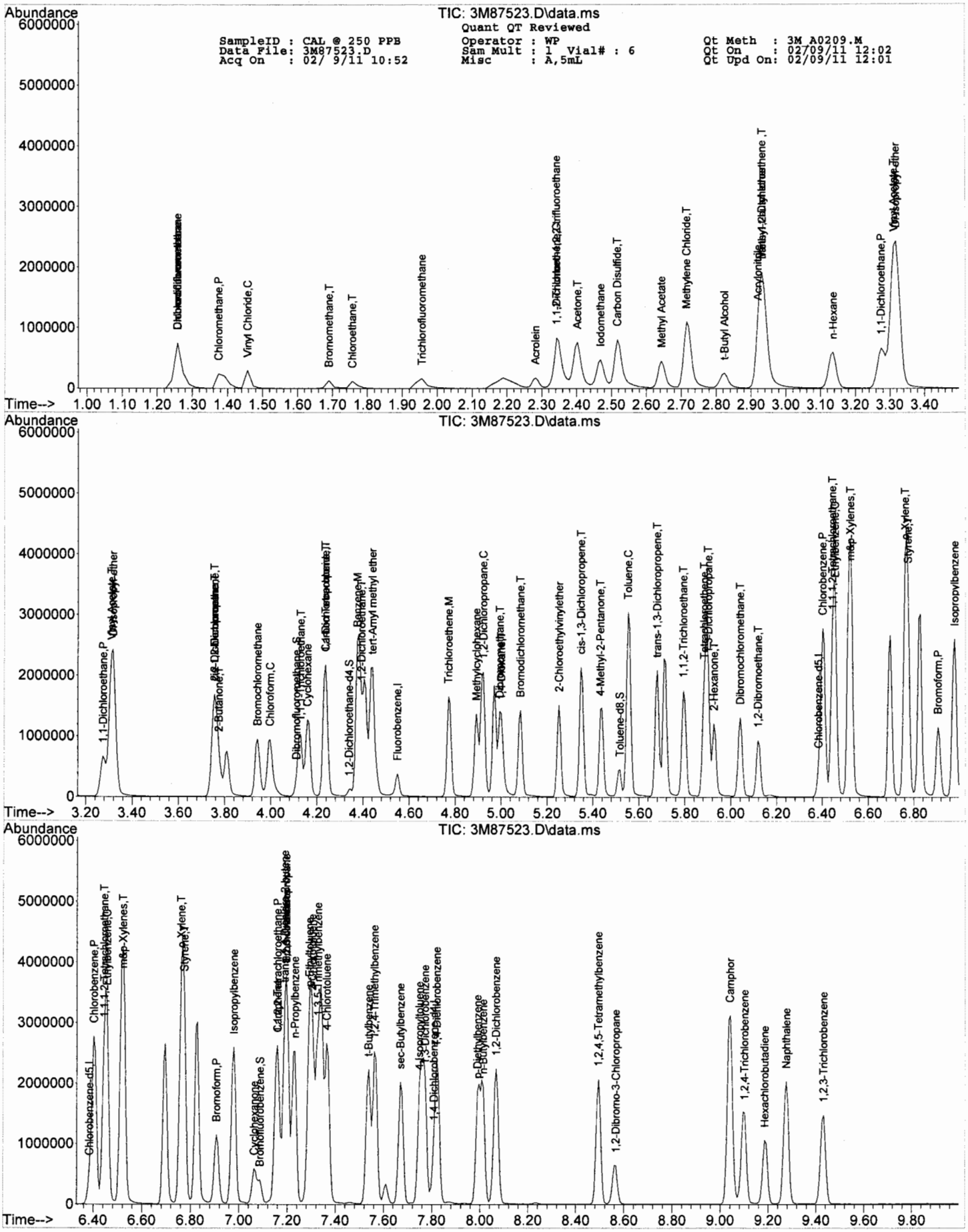
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87523.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:02
Acq On : 02/ 9/11 10:52 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.762	106	463292	214.29	ug/l	81
71)	trans-1,4-Dichloro-2-b...	7.189	53	260500	378.15	ug/l	51
72)	1,3-Dichlorobenzene	7.772	146	702376	228.84	ug/l	97
73)	1,4-Dichlorobenzene	7.821	146	778124	233.42	ug/l	99
74)	1,2-Dichlorobenzene	8.067	146	773144	242.51	ug/l	99
75)	Isopropylbenzene	6.979	105	1264769	249.07	ug/l	99
76)	Cyclohexanone	7.063	55	199240	1988.25	ug/l	94
77)	Camphene	7.159	93	296682	234.74	ug/l	96
78)	1,2,3-Trichloropropane	7.195	75	698490	277.03	ug/l	85
79)	2-Chlorotoluene	7.303	91	796036	206.51	ug/l	96
80)	p-Ethyltoluene	7.291	105	1189154	207.18	ug/l	97
81)	4-Chlorotoluene	7.364	91	885283	233.75	ug/l	97
82)	n-Propylbenzene	7.231	91	1580641	240.56	ug/l	98
83)	Bromobenzene	7.195	77	1011408	233.18	ug/l	85
84)	1,3,5-Trimethylbenzene	7.327	105	927147	217.69	ug/l	99
85)	t-Butylbenzene	7.538	119	897502	245.99	ug/l	94
86)	1,2,4-Trimethylbenzene	7.562	105	1101787	244.39	ug/l	89
87)	sec-Butylbenzene	7.670	105	1118865	248.47	ug/l	95
88)	4-Isopropyltoluene	7.748	119	827836	236.68	ug/l	98
89)	n-Butylbenzene	8.013	91	1014696	236.13	ug/l	98
90)	p-Diethylbenzene	7.989	119	483227	237.96	ug/l	93
91)	1,2,4,5-Tetramethylben...	8.494	119	912222	259.76	ug/l	98
92)	1,2-Dibromo-3-Chloropr...	8.566	157	164434	366.82	ug/l	97
93)	Camphor	9.041	95	639492	3714.12	ug/l	91
94)	Hexachlorobutadiene	9.186	225	214621	231.97	ug/l	100
95)	1,2,4-Trichlorobenzene	9.101	180	478884	251.64	ug/l	98
96)	1,2,3-Trichlorobenzene	9.432	180	469087	257.20	ug/l	99
97)	Naphthalene	9.276	128	1374123	299.69	ug/l	100

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


TIC: 3M87523.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 3M87523.D
Acq On : 02/ 9/11 10:52
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:02
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87522.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:01
Acq On : 02/ 9/11 10:35 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	169007	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	131837	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	75439	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	37536	26.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.40%			
35) 1,2-Dichloroethane-d4	4.344	102	9303	28.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.77%			
59) Toluene-d8	5.517	100	119563	34.15	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.83%			
67) Bromofluorobenzene	7.086	174	80214	35.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.40%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	1211077	332.76	ug/l	100
6) Dichlorodifluoromethane	1.242	85	557669	430.65	ug/l	90
7) Chloromethane	1.375	50	853359	534.66	ug/l	85
8) Bromomethane	1.674	94	44994	108.92	ug/l	96
9) Vinyl Chloride	1.458	62	416163	424.18	ug/l	95
10) Chloroethane	1.757	66	44368	321.65	ug/l	74
11) Trichlorofluoromethane	1.940	101	319124	447.11	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	212696	456.45	ug/l	92
13) Methylene Chloride	2.715	84	556612	418.66	ug/l	97
14) Acrolein	2.282	56	192533	2169.34	ug/l	97
15) Acrylonitrile	2.919	53	270422	428.15	ug/l	92
16) Iodomethane	2.462	142	772779	579.42	ug/l	84
17) Acetone	2.402	43	1428671	2154.22	ug/l	93
18) Carbon Disulfide	2.516	76	1668219	712.10	ug/l	100
19) t-Butyl Alcohol	2.829	59	271962	3080.67	ug/l	92
20) n-Hexane	3.136	57	374345	434.89	ug/l	84
21) Di-isopropyl-ether	3.322	45	2553601	414.04	ug/l	75
22) 1,1-Dichloroethene	2.342	61	834915	504.99	ug/l	83
23) Methyl Acetate	2.643	43	936051	485.20	ug/l	100
24) Methyl-t-butyl ether	2.937	73	992857	431.37	ug/l	93
25) 1,1-Dichloroethane	3.274	63	1203651	436.53	ug/l	97
26) trans-1,2-Dichloroethene	2.931	96	387929	364.75	ug/l	86
27) cis-1,2-Dichloroethene	3.755	61	1024341	402.63	ug/l	82
28) Bromochloromethane	3.941	49	843801	440.95	ug/l	88
29) 2,2-Dichloropropane	3.755	77	568315	430.25	ug/l	94
30) 1,4-Dioxane	5.006	88	338182	19748.72	ug/l	55
31) 1,1-Dichloropropene	4.236	75	685593	352.77	ug/l	96
32) Chloroform	3.996	83	1040994	438.93	ug/l	98
34) Cyclohexane	4.158	56	828980	413.24	ug/l	76
36) 1,2-Dichloroethane	4.392	62	938225	362.49	ug/l	98
37) 2-Butanone	3.773	43	556775	464.17	ug/l	74
38) 1,1,1-Trichloroethane	4.128	97	762520	436.78	ug/l	99
39) Carbon Tetrachloride	4.236	117	533393	383.05	ug/l	93
40) Vinyl Acetate	3.310	43	3020699	425.09	ug/l	100
41) Bromodichloromethane	5.084	83	1020834	463.45	ug/l	96
42) Methylcyclohexane	4.892	83	513666	390.34	ug/l	79
43) Dibromomethane	4.994	174	506572	346.22	ug/l	96
44) 1,2-Dichloropropane	4.922	63	895550	405.67	ug/l	97
45) Trichloroethene	4.771	130	568873	364.48	ug/l	91
46) Benzene	4.374	78	2011142	334.56	ug/l	100
47) tert-Amyl methyl ether	4.441	73	1340315	453.94	ug/l	78
49) Dibromochloromethane	6.040	129	851798	565.54	ug/l	100
50) 2-Chloroethylvinylether	5.252	63	676493	596.45	ug/l	83
51) cis-1,3-Dichloropropene	5.355	75	1299352	562.24	ug/l	94
52) trans-1,3-Dichloropropene	5.679	75	1213024	595.30	ug/l	99
53) 1,1,2-Trichloroethane	5.800	97	653965	457.89	ug/l	93
54) 1,2-Dibromoethane	6.118	107	824440	493.60	ug/l	95
55) 1,3-Dichloropropane	5.902	76	1150089	419.85	ug/l	94
56) 4-Methyl-2-Pentanone	5.439	43	1590455	598.36	ug/l	90
57) 2-Hexanone	5.926	43	1182560	602.85	ug/l	86
58) Tetrachloroethene	5.884	164	421107	344.02	ug/l	98
60) Toluene	5.559	92	1311870	393.13	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.443	133	449211	373.15	ug/l	95
62) Chlorobenzene	6.407	112	1586452	393.92	ug/l	96
64) Bromoform	6.906	173	794498	696.88	ug/l	99
65) Ethylbenzene	6.461	106	383232	268.72	ug/l	86
66) 1,1,2,2-Tetrachloroethane	7.159	83	950971	454.83	ug/l	86
68) Styrene	6.774	104	1170739	334.18	ug/l	85
69) m&p-Xylenes	6.521	106	1187359	635.21	ug/l	78

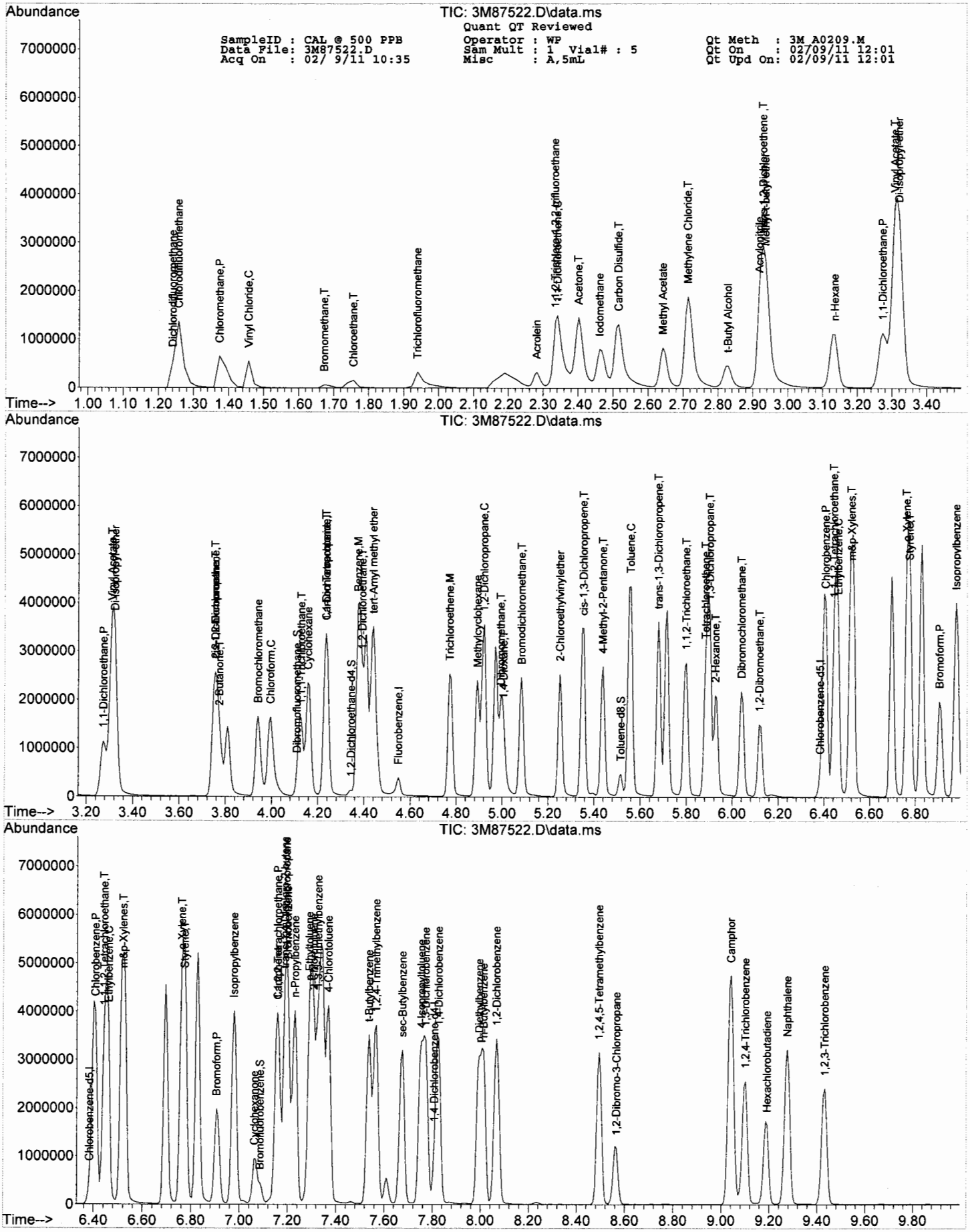
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87522.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:01
Acq On : 02/ 9/11 10:35 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.762	106	655149	328.43	ug/l	74
71)	trans-1,4-Dichloro-2-b...	7.189	53	411610	647.61	ug/l	43
72)	1,3-Dichlorobenzene	7.772	146	1086775	383.77	ug/l	96
73)	1,4-Dichlorobenzene	7.826	146	1232420	400.70	ug/l	98
74)	1,2-Dichlorobenzene	8.067	146	1242358	422.36	ug/l	98
75)	Isopropylbenzene	6.978	105	2026205	432.47	ug/l	98
76)	Cyclohexanone	7.062	55	333872	3611.11	ug/l	94
77)	Camphene	7.159	93	489135	419.46	ug/l	92
78)	1,2,3-Trichloropropane	7.195	75	1025266	440.73	ug/l	84
79)	2-Chlorotoluene	7.309	91	1042686	293.18	ug/l	97
80)	p-Ethyltoluene	7.291	105	1679573	317.16	ug/l	95
81)	4-Chlorotoluene	7.369	91	1419639	406.28	ug/l	95
82)	n-Propylbenzene	7.231	91	2560761	422.40	ug/l	98
83)	Bromobenzene	7.201	77	1651298	412.62	ug/l	79
84)	1,3,5-Trimethylbenzene	7.327	105	1390044	353.75	ug/l	100
85)	t-Butylbenzene	7.537	119	1435365	426.39	ug/l	93
86)	1,2,4-Trimethylbenzene	7.567	105	1733269	416.70	ug/l	89
87)	sec-Butylbenzene	7.676	105	1841712	443.29	ug/l	95
88)	4-Isopropyltoluene	7.754	119	1295238	401.36	ug/l	97
89)	n-Butylbenzene	8.012	91	1639776	413.59	ug/l	98
90)	p-Diethylbenzene	7.994	119	780874	416.77	ug/l	96
91)	1,2,4,5-Tetramethylben...	8.493	119	1491579	460.35	ug/l	99
92)	1,2-Dibromo-3-Chloropr...	8.566	157	303343	733.44	ug/l	97
93)	Camphor	9.041	95	1026443	6461.33	ug/l	91
94)	Hexachlorobutadiene	9.191	225	358210	419.62	ug/l	99
95)	1,2,4-Trichlorobenzene	9.101	180	796391	453.56	ug/l	99
96)	1,2,3-Trichlorobenzene	9.432	180	786133	467.18	ug/l	99
97)	Naphthalene	9.275	128	2312451	546.62	ug/l	100

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


Abundance
TIC: 3M87522.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 3M87522.D
Acq On : 02/ 9/11 10:35
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:01
Qt Upd On: 02/09/11 12:01
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87519.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 14:26
Acq On : 02/ 9/11 09:40 Misc : A,5mL Qt Upd On: 02/09/11 14:20

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	159695	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	135256	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.803	152	83426	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	42730	31.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.77%			
35) 1,2-Dichloroethane-d4	4.339	102	9922	32.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.23%			
59) Toluene-d8	5.511	100	108234	29.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.97%			
67) Bromofluorobenzene	7.087	174	70128	28.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.73%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.257	51	4324	1.77	ug/l	92
6) Dichlorodifluoromethane	1.257	85	643	0.66	ug/l	96
7) Chloromethane	1.390	50	1046	0.76	ug/l	82
8) Bromomethane	1.706	94	287	0.88	ug/l	85
9) Vinyl Chloride	1.457	62	560	0.69	ug/l	98
10) Chloroethane	1.773	66	192m	1.91	ug/l	
11) Trichlorofluoromethane	1.956	101	365	0.61	ug/l	84
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	39m	0.10	ug/l	
14) Acrolein	2.276	56	223m	3.07	ug/l	
15) Acrylonitrile	2.932	53	220	0.40	ug/l	71
16) Iodomethane	2.469	142	1035	0.65	ug/l	97
18) Carbon Disulfide	2.517	76	1998	0.60	ug/l	100
19) t-Butyl Alcohol	2.818	59	231	2.57	ug/l	63
20) n-Hexane	3.130	57	220m	0.31	ug/l	
21) Di-isopropyl-ether	3.323	45	2647	0.49	ug/l	85
22) 1,1-Dichloroethene	2.349	61	812	0.44	ug/l	78
23) Methyl Acetate	2.637	43	1300	0.76	ug/l	100
24) Methyl-t-butyl ether	2.932	73	1376	0.70	ug/l	76
25) 1,1-Dichloroethane	3.275	63	1597	0.65	ug/l	76
26) trans-1,2-Dichloroethene	2.932	96	575	0.63	ug/l	86
27) cis-1,2-Dichloroethene	3.750	61	1654	0.74	ug/l	73
28) Bromochloromethane	3.936	49	1196	0.70	ug/l	91
29) 2,2-Dichloropropane	3.756	77	730	0.58	ug/l	73
30) 1,4-Dioxane	5.000	88	380	23.31	ug/l	79
31) 1,1-Dichloropropene	4.237	75	764	0.47	ug/l	78
32) Chloroform	3.996	83	1490	0.70	ug/l	86
34) Cyclohexane	4.158	56	638m	0.40	ug/l	
36) 1,2-Dichloroethane	4.393	62	1324	0.60	ug/l	95
37) 2-Butanone	3.768	43	572	0.53	ug/l	49
38) 1,1,1-Trichloroethane	4.122	97	938	0.62	ug/l	95
39) Carbon Tetrachloride	4.231	117	633	0.54	ug/l	86
40) Vinyl Acetate	3.311	43	4049	0.65	ug/l	100
41) Bromodichloromethane	5.079	83	1480	0.74	ug/l	98
42) Methylcyclohexane	4.886	83	370m	0.37	ug/l	
43) Dibromomethane	4.994	174	723	0.58	ug/l	90
44) 1,2-Dichloropropane	4.910	63	1286	0.65	ug/l	87
45) Trichloroethene	4.772	130	845	0.64	ug/l	76
46) Benzene	4.375	78	3636	0.70	ug/l	100
47) tert-Amyl methyl ether	4.435	73	1471	0.50	ug/l	82
49) Dibromochloromethane	6.041	129	855	0.48	ug/l	78
50) 2-Chloroethylvinylether	5.253	63	507	0.36	ug/l	80
51) cis-1,3-Dichloropropene	5.349	75	1323	0.49	ug/l	90
52) trans-1,3-Dichloropropene	5.674	75	1146	0.45	ug/l	97
53) 1,1,2-Trichloroethane	5.794	97	1053	0.72	ug/l	91
54) 1,2-Dibromoethane	6.125	107	1038	0.59	ug/l	85
55) 1,3-Dichloropropane	5.896	76	1599	0.57	ug/l	89
56) 4-Methyl-2-Pentanone	5.433	43	1327	0.41	ug/l	99
57) 2-Hexanone	5.926	43	865	0.36	ug/l	97
58) Tetrachloroethene	5.884	164	710	0.63	ug/l	99
60) Toluene	5.554	92	2625	0.79	ug/l	79
61) 1,1,1,2-Tetrachloroethane	6.444	133	826	0.66	ug/l	57
62) Chlorobenzene	6.401	112	2812	0.70	ug/l	87
64) Bromoform	6.907	173	715	0.41	ug/l	77
65) Ethylbenzene	6.450	106	1003	0.69	ug/l	62
66) 1,1,2,2-Tetrachloroethane	7.153	83	1587	0.65	ug/l	82
68) Styrene	6.768	104	2024	0.56	ug/l	94
69) m&p-Xylenes	6.522	106	2229	1.21	ug/l	76
70) o-Xylene	6.762	106	1065	0.51	ug/l	96
71) trans-1,4-Dichloro-2-b...	7.183	53	534m	0.57	ug/l	

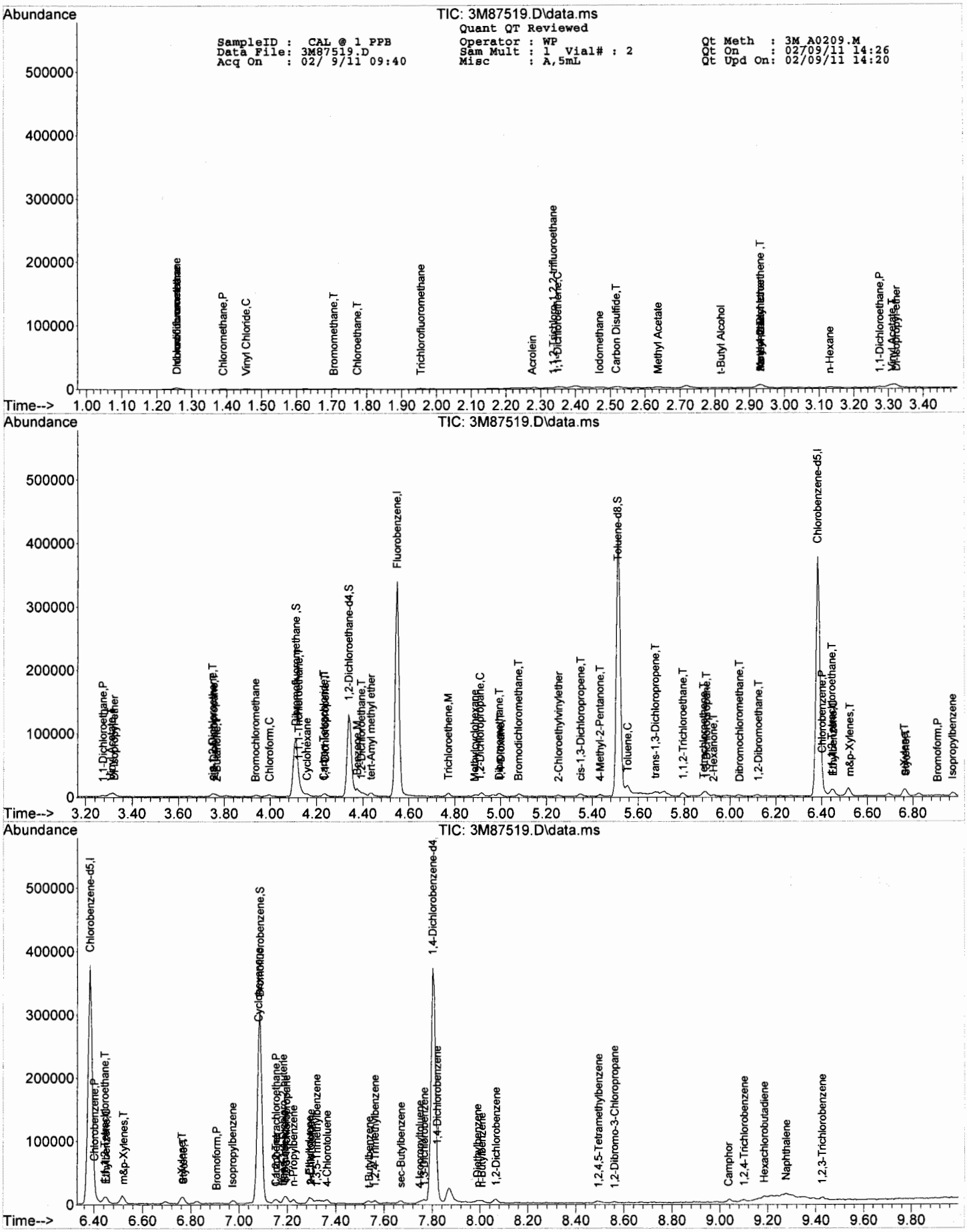
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB
Data File: 3M87519.D
Acq On : 02/ 9/11 09:40
Operator : WP
Sam Mult : 1 Vial# : 2
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 14:26
Qt Upd On: 02/09/11 14:20

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
72)	1,3-Dichlorobenzene	7.766	146	1887	0.64 ug/l	93
73)	1,4-Dichlorobenzene	7.821	146	2437m	0.76 ug/l	
74)	1,2-Dichlorobenzene	8.067	146	2126	0.68 ug/l	89
75)	Isopropylbenzene	6.973	105	2174	0.47 ug/l	92
76)	Cyclohexanone	7.081	55	557	3.70 ug/l	71
77)	Camphene	7.153	93	678	0.61 ug/l	74
78)	1,2,3-Trichloropropane	7.195	75	1803	0.65 ug/l	91
79)	2-Chlorotoluene	7.297	91	2087	0.58 ug/l	95
80)	p-Ethyltoluene	7.291	105	2828	0.57 ug/l	91
81)	4-Chlorotoluene	7.364	91	2077	0.56 ug/l	92
82)	n-Propylbenzene	7.225	91	3456	0.58 ug/l	89
83)	Bromobenzene	7.189	77	3174	0.72 ug/l	86
84)	1,3,5-Trimethylbenzene	7.321	105	1686	0.44 ug/l	84
85)	t-Butylbenzene	7.538	119	1658	0.50 ug/l	98
86)	1,2,4-Trimethylbenzene	7.562	105	1736	0.43 ug/l	93
87)	sec-Butylbenzene	7.670	105	1813	0.43 ug/l	92
88)	4-Isopropyltoluene	7.748	119	1368	0.46 ug/l	92
89)	n-Butylbenzene	8.007	91	1954	0.52 ug/l	98
90)	p-Diethylbenzene	7.989	119	897m	0.50 ug/l	
91)	1,2,4,5-Tetramethylben...	8.494	119	1430	0.42 ug/l	87
92)	1,2-Dibromo-3-Chloropr...	8.560	157	212m	0.32 ug/l	
93)	Camphor	9.035	95	797	3.40 ug/l	84
94)	Hexachlorobutadiene	9.186	225	516	0.63 ug/l	94
95)	1,2,4-Trichlorobenzene	9.101	180	974m	0.54 ug/l	
96)	1,2,3-Trichlorobenzene	9.426	180	898m	0.50 ug/l	
97)	Naphthalene	9.276	128	2448	0.47 ug/l	100

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


Abundance
TIC: 3M87519.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 3M87519.D
Acq On : 02/ 9/11 09:40
Operator : WP
Sam Mult : 1 Vial# : 2
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02709/11 14:26
Qt Upd On: 02/09/11 14:20
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M87519.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 3M87519.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87520.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:15
Acq On : 02/ 9/11 09:59 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.549	96	153680	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.383	117	130221	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	76311	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.104	111	41899	32.19 ug/l	0.00
Spiked Amount 30.000			Recovery = 107.30%		
35) 1,2-Dichloroethane-d4	4.339	102	9272	30.83 ug/l	0.00
Spiked Amount 30.000			Recovery = 102.77%		
59) Toluene-d8	5.511	100	104855	30.32 ug/l	0.00
Spiked Amount 30.000			Recovery = 101.07%		
67) Bromofluorobenzene	7.087	174	63202	27.90 ug/l	0.00
Spiked Amount 30.000			Recovery = 93.00%		
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D.	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D.	
15) Acrylonitrile	0.000		0	N.D. d	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D. d	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D. d	
24) Methyl-t-butyl ether	2.926	73	640	0.31 ug/l #	71
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D. d	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D. d	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	4.387	62	955	0.41 ug/l	99
37) 2-Butanone	0.000		0	N.D. d	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	0.000		0	N.D. d	
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D. d	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	4.375	78	2222	0.41 ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	0.000		0	N.D. d	
50) 2-Chloroethylvinylether	0.000		0	N.D. d	
51) cis-1,3-Dichloropropene	0.000		0	N.D. d	
52) trans-1,3-Dichloropropene	0.000		0	N.D. d	
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D. d	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D. d	
58) Tetrachloroethene	5.884	164	548m	0.45 ug/l	
60) Toluene	0.000		0	N.D. d	
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D. d	
65) Ethylbenzene	0.000		0	N.D. d	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.515	106	1252	0.66 ug/l	98

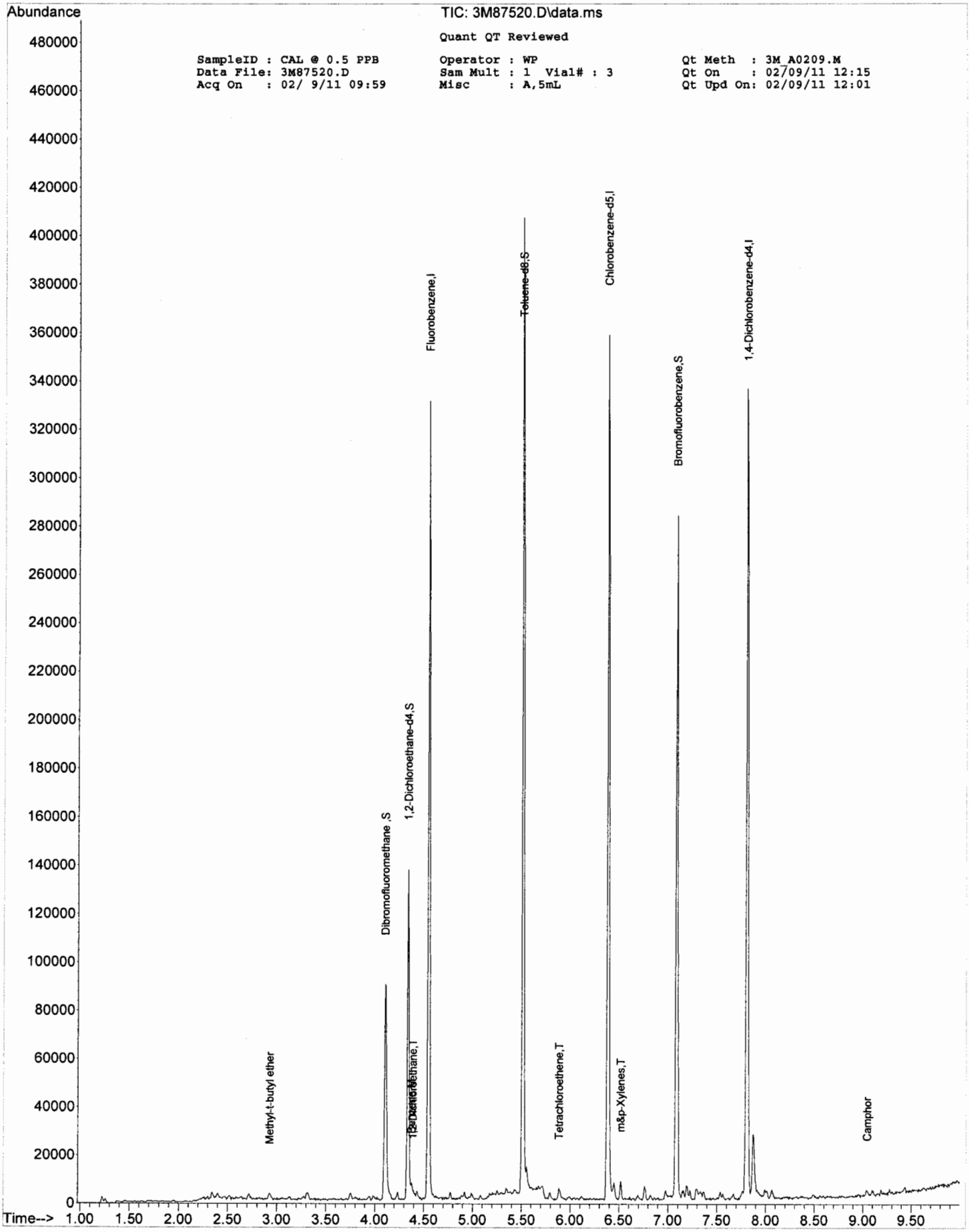
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87520.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:15
Acq On : 02/ 9/11 09:59 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	0.000		0	N.D. d	
71) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
72) 1,3-Dichlorobenzene	0.000		0	N.D. d	
73) 1,4-Dichlorobenzene	0.000		0	N.D. d	
74) 1,2-Dichlorobenzene	0.000		0	N.D. d	
75) Isopropylbenzene	0.000		0	N.D. d	
76) Cyclohexanone	0.000		0	N.D. d	
77) Camphene	0.000		0	N.D. d	
78) 1,2,3-Trichloropropane	0.000		0	N.D. d	
79) 2-Chlorotoluene	0.000		0	N.D. d	
80) p-Ethyltoluene	0.000		0	N.D. d	
81) 4-Chlorotoluene	0.000		0	N.D. d	
82) n-Propylbenzene	0.000		0	N.D. d	
83) Bromobenzene	0.000		0	N.D. d	
84) 1,3,5-Trimethylbenzene	0.000		0	N.D. d	
85) t-Butylbenzene	0.000		0	N.D. d	
86) 1,2,4-Trimethylbenzene	0.000		0	N.D. d	
87) sec-Butylbenzene	0.000		0	N.D. d	
88) 4-Isopropyltoluene	0.000		0	N.D. d	
89) n-Butylbenzene	0.000		0	N.D. d	
90) p-Diethylbenzene	0.000		0	N.D. d	
91) 1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
92) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
93) Camphor	9.041	95	340	2.12 ug/l	96
94) Hexachlorobutadiene	0.000		0	N.D. d	
95) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
96) 1,2,3-Trichlorobenzene	0.000		0	N.D. d	
97) Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 3M87520.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 3M87520.D
Acq On : 02/ 9/11 09:59
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:15
Qt Upd On: 02/09/11 12:01
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

0176

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M63428.	CAL @ 20 PPB	02/25/11 09:50	2	2M63423.	CAL @ 5 PPB	02/25/11 08:31
3	2M63429.	CAL @ 10 PPB	02/25/11 10:06	4	2M63427.	CAL @ 50 PPB	02/25/11 09:34
5	2M63426.	CAL @ 100 PPB	02/25/11 09:18	6	2M63425.	CAL @ 250 PPB	02/25/11 09:02
7	2M63424.	CAL @ 500 PPB	02/25/11 08:47	8	2M63421.	CAL @ 1 PPB	02/25/11 07:55
9	2M63422.	CAL @ 0.5 PPB	02/25/11 08:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.6289	0.7993	0.7786	0.6034	0.5640	0.5971	-----	1.7956	-----	0.824	1.19	0.999	1.00	53		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dichlorodifluoromethan	1	0	Avg	0.3245	0.3469	0.3780	0.3240	0.3508	0.3308	0.3253	0.3316	-----	0.339	1.19	1.00	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	LinF	0.3438	0.3933	0.4147	0.3482	0.3406	0.3608	0.3763	0.5907	-----	0.396	1.31	0.999	1.00	21	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1800	0.1658	0.1918	0.1699	0.1550	-----	-----	0.1916	-----	0.176	1.59	0.997	1.00	8.4		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	Avg	0.2589	0.3025	0.3387	0.2706	0.2754	0.2650	0.2698	0.3208	-----	0.288	1.37	1.00	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.1643	0.1932	0.1905	0.1527	0.1418	0.1403	0.1224	0.2206	-----	0.166	1.64	0.996	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.3117	0.2303	0.3605	0.2874	0.2876	0.2925	0.2816	0.3193	-----	0.296	1.81	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.3654	0.2974	0.4446	0.3582	0.3350	0.3098	-----	0.3029	-----	0.345	2.01	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Furan	1	0	Avg	1.0032	0.8673	1.1728	0.9658	0.9365	0.9313	0.8298	1.0682	-----	0.972	2.03	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.1804	0.1612	0.2052	0.1823	0.1868	0.1815	0.1438	0.1668	-----	0.176	2.16	0.985	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3806	0.3193	0.4489	0.3592	0.3519	0.3515	0.3100	0.4071	-----	0.366	2.50	0.996	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	LinF	0.0494	0.0285	0.0477	0.0520	0.0500	0.0493	0.0436	0.0130	-----	0.0417	2.10	0.996	1.00	33		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1403	0.1381	0.1404	0.1364	0.1287	0.1247	0.0982	0.1513	-----	0.132	2.69	0.984	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	LinF	0.5877	0.4250	0.6872	0.5425	0.4992	0.4666	0.4067	0.5734	-----	0.524	2.27	0.995	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	LinF	0.1061	0.1007	0.1396	0.1072	0.1011	0.1000	0.0898	0.1633	-----	0.114	2.19	0.997	1.00	22		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.9896	0.8818	1.1884	0.9849	0.9839	1.0063	0.9109	1.1484	-----	1.01	2.32	0.998	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0272	0.0263	0.0350	0.0296	0.0287	0.0265	0.0245	0.0284	-----	0.0283	2.57	0.998	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1916	0.2175	0.2477	0.2275	0.2562	0.2661	0.2334	0.1786	-----	0.227	2.89	0.995	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.4239	1.1087	1.6370	1.4186	1.3262	1.2711	1.0295	1.2631	-----	1.31	3.05	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.5409	0.4780	0.6362	0.5279	0.4995	0.4959	0.4138	0.6256	-----	0.527	2.16	0.992	1.00	14	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3223	0.2810	0.4108	0.3175	0.2941	0.3045	0.2711	0.3320	-----	0.317	2.42	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.8191	0.6489	0.9221	0.7891	0.7495	0.6843	0.5441	0.7459	0.8214	0.747	2.69	0.985	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.6885	0.5691	0.8402	0.7004	0.6706	0.6586	0.5578	0.6749	-----	0.670	3.01	0.993	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3321	0.2934	0.3605	0.3159	0.2988	0.2758	-----	0.3597	-----	0.319	2.70	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.5599	0.4526	0.6448	0.5333	0.5017	0.4688	-----	0.5884	-----	0.536	3.47	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromochloromethane	1	0	Avg	0.3692	0.3405	0.4278	0.3552	0.3503	0.3204	0.2626	0.4136	-----	0.355	3.66	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3167	0.2854	0.3347	0.3064	0.3066	0.3020	0.2463	0.2669	-----	0.296	3.47	0.989	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.3599	0.3122	0.4713	0.4096	0.3907	0.3871	0.3495	0.4264	-----	0.388	3.52	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0039	0.0032	0.0045	0.0037	0.0034	0.0031	-----	0.0037	-----	0.00370	4.75	0.998	1.00	13		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	Avg	0.4386	0.3551	0.5428	0.4373	0.4188	0.3819	-----	0.4751	-----	0.436	3.98	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroform	1	0	Avg	0.5544	0.4282	0.6276	0.5402	0.5247	0.5128	0.4413	0.5840	-----	0.527	3.73	0.994	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2482	0.2685	0.2438	0.2522	0.2420	0.2421	0.2284	0.2555	0.2576	0.249	3.85	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3712	0.3555	0.4256	0.4215	0.4521	0.4475	0.3699	0.3515	-----	0.399	3.90	0.990	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1506	0.1573	0.1630	0.1628	0.1630	0.1624	0.1533	0.1499	0.1555	0.158	4.09	-1	-1	3.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4827	0.4168	0.5667	0.4619	0.4359	0.4095	-----	0.4999	0.6015	0.484	4.14	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
2-Butanone	1	0	Avg	0.1636	0.1683	0.2007	0.1563	0.1527	0.1510	0.1391	0.1199	-----	0.156	3.48	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4010	0.3649	0.4524	0.3924	0.4032	0.4004	0.3417	0.4342	-----	0.399	3.87	0.994	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3276	0.2723	0.3704	0.3298	0.3323	0.3121	0.2439	0.2651	-----	0.307	3.99	0.982	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	LinF	1.3418	0.8563	1.3716	1.4291	1.4100	1.3418	-----	0.9427	-----	1.24	3.04	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromodichloromethane	1	0	Avg	0.4981	0.4507	0.5862	0.5070	0.4899	0.4770	0.3984	0.4913	-----	0.487	4.84	0.991	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	Avg	0.2848	0.2940	0.3495	0.3148	0.3617	0.3484	0.2755	0.3239	-----	0.319	4.65	0.984	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

0177

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M63428.	CAL @ 20 PPB	02/25/11 09:50	2	2M63423.	CAL @ 5 PPB	02/25/11 08:31
3	2M63429.	CAL @ 10 PPB	02/25/11 10:06	4	2M63427.	CAL @ 50 PPB	02/25/11 09:34
5	2M63426.	CAL @ 100 PPB	02/25/11 09:18	6	2M63425.	CAL @ 250 PPB	02/25/11 09:02
7	2M63424.	CAL @ 500 PPB	02/25/11 08:47	8	2M63421.	CAL @ 1 PPB	02/25/11 07:55
9	2M63422.	CAL @ 0.5 PPB	02/25/11 08:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.3073	0.2958	0.3608	0.2962	0.2721	0.2377	----	0.3585	----	0.304	4.75	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dichloropropane	1	0	Avg	0.4584	0.3958	0.5197	0.4489	0.4325	0.3875	0.3070	0.4597	----	0.426	4.67	0.983	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3824	0.3249	0.4254	0.3423	0.3370	0.3073	----	0.4269	----	0.364	4.54	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Benzene	1	0	Avg	1.4390	1.1564	1.5636	1.3383	1.2445	1.1167	----	1.4323	1.5466	1.35	4.13	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.9304	0.7440	1.0774	0.9350	0.8749	0.8142	0.6615	0.7933	----	0.854	4.19	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	LinF	0.9335	0.6681	1.0557	0.9814	0.9720	1.0182	0.9619	0.6418	----	0.904	4.16	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	LinF	0.5588	0.3896	0.6423	0.5420	0.5396	0.5466	0.4660	0.3868	----	0.509	4.73	0.994	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.5232	0.3922	0.5691	0.5179	0.5084	0.5169	0.4456	0.5029	----	0.497	5.77	0.995	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.3340	0.2505	0.3707	0.3286	0.3459	0.3469	0.3099	0.2690	----	0.319	5.00	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	Avg	0.8126	0.5815	0.8881	0.7837	0.7748	0.7845	0.6721	0.6745	----	0.747	5.09	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	Avg	0.7109	0.5151	0.7729	0.6892	0.6992	0.7048	0.5991	0.6482	----	0.667	5.42	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.6001	0.4129	0.6409	0.6113	0.6072	0.6105	0.5159	0.4062	----	0.551	5.46	0.993	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.4409	0.3619	0.5009	0.4243	0.4144	0.4052	0.3404	0.4413	----	0.416	5.53	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4995	0.3995	0.5707	0.4762	0.4820	0.4699	0.4072	0.4419	----	0.468	5.85	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.8153	0.7146	0.9299	0.7909	0.7508	0.6995	0.5630	0.8125	----	0.760	5.64	0.987	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.5912	0.4384	0.7186	0.6098	0.6016	0.6157	0.5654	0.3684	----	0.564	5.19	0.998	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4013	0.3006	0.4979	0.4345	0.4167	0.4486	0.4127	0.2792	----	0.399	5.67	0.998	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.4021	0.3815	0.4411	0.3594	0.3603	0.3222	----	0.4851	----	0.393	5.62	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Toluene-d8	1	0	Avg	1.2942	1.3152	1.2928	1.3124	1.3301	1.3905	1.4725	1.2502	1.2777	1.33	5.26	-1	-1	5.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.1784	0.9749	1.2770	1.0769	1.0457	0.9743	----	1.3025	----	1.12	5.30	0.999	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.4455	0.3766	0.4857	0.3998	0.3736	0.3456	----	0.4089	----	0.405	6.17	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chlorobenzene	1	0	Avg	1.3230	1.1182	1.4725	1.2210	1.2033	1.1195	----	1.4380	----	1.27	6.13	0.999	1.00	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butyl acrylate	1	0	LinF	1.8682	1.0919	2.1148	2.0525	2.0642	2.1029	1.8257	1.0770	----	1.77	6.43	0.995	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	1.7602	0.9524	1.8378	2.0150	2.0094	2.1031	1.8745	0.8883	----	1.68	6.56	0.997	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.7330	0.5849	0.8453	0.7328	0.7251	0.7587	0.6908	0.6151	----	0.711	6.62	0.998	1.00	12	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	LinF	0.9053	0.7380	1.1186	0.8283	0.8112	0.7064	----	0.9574	----	0.867	6.18	0.996	1.00	16	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	1.0551	0.7885	1.2222	1.0278	0.9777	0.8939	----	1.0026	----	0.995	6.88	0.998	1.00	14	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromofluorobenzene	1	0	Avg	0.8581	0.8735	0.8950	0.9190	0.9421	1.0023	1.1200	0.9338	0.8876	0.937	6.80	-1	-1	8.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.4407	1.9531	2.7531	2.3406	2.1494	1.7791	----	2.1341	----	2.22	6.50	0.992	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	Avg	1.2999	1.1116	1.5148	1.2467	1.1613	0.9578	----	1.1959	1.3700	1.23	6.25	0.992	1.00	14		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.3700	1.1613	1.5720	1.2987	1.2056	1.0030	----	1.1701	----	1.25	6.49	0.992	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.2651	0.1940	0.2858	0.2681	0.2466	0.2323	0.1976	0.3308	----	0.253	6.91	0.993	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.8037	1.5794	2.1133	1.7234	1.5910	1.3708	----	1.8756	----	1.72	7.47	0.995	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.4-Dichlorobenzene	1	0	Avg	1.9001	1.6691	2.0990	1.7748	1.7398	1.6438	1.2805	2.0044	----	1.76	7.53	0.982	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.8126	1.4794	2.0917	1.7476	1.6752	1.6128	1.2768	1.6507	----	1.67	7.77	0.985	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	3.1805	2.5765	3.5903	3.1537	3.2077	2.9874	2.3697	2.4880	----	2.94	6.70	0.984	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0333	0.0311	0.0426	0.0349	0.0365	0.0395	0.0359	0.0414	----	0.0370	6.79	0.998	0.999	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.7176	0.6453	0.8579	0.7997	0.8960	0.8555	0.6890	0.6346	----	0.762	6.88	0.987	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	1.2647	1.0022	1.4412	1.2714	1.1873	1.0509	----	1.0677	----	1.18	6.91	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
2-Chlorotoluene	1	0	Avg	2.1707	1.8219	2.5455	2.0594	1.7651	-----	----	2.2538	----	2.10	7.01	0.992	0.999	14		20.00	5.00	10.00	50.00	100.0			1.00	
p-Ethyltoluene	1	0	Avg	3.5529	3.1603	3.8762	3.3648	3.2110	2.6611	----	3.1421	----	3.28	7.01	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria * *- ccc compound*

b - failed the ccc criteria ** *- spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

0178

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M63428.	CAL @ 20 PPB	02/25/11 09:50	2	2M63423.	CAL @ 5 PPB	02/25/11 08:31
3	2M63429.	CAL @ 10 PPB	02/25/11 10:06	4	2M63427.	CAL @ 50 PPB	02/25/11 09:34
5	2M63426.	CAL @ 100 PPB	02/25/11 09:18	6	2M63425.	CAL @ 250 PPB	02/25/11 09:02
7	2M63424.	CAL @ 500 PPB	02/25/11 08:47	8	2M63421.	CAL @ 1 PPB	02/25/11 07:55
9	2M63422.	CAL @ 0.5 PPB	02/25/11 08:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	2.0743	1.7722	2.3002	1.9070	1.8137	1.6522	----	1.7375	----	1.89	7.08	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	3.8935	3.2943	4.2433	3.8293	3.8616	3.6975	2.9405	3.5448	----	3.66	6.94	0.985	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	LinF	1.7342	1.3035	2.3241	1.9620	1.8540	1.6620	1.4469	1.9668	----	1.78	6.91	0.994	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	2.7146	2.0761	2.9355	2.5544	2.5368	2.3007	----	2.3184	----	2.49	7.04	0.998	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	LinF	1.5274	0.8742	1.6756	1.5700	1.5497	1.5049	----	0.9779	----	1.38	7.06	1.00	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Avg	2.4142	1.9773	2.7902	2.4279	2.4827	2.3196	----	1.8609	----	2.32	7.25	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4-Trimethylbenzene	1	0	Avg	2.7448	2.2953	3.1641	2.7332	2.7242	2.5154	1.9598	2.3723	----	2.56	7.28	0.982	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.9918	2.4427	3.3804	2.9842	3.1496	2.9836	2.4233	2.4858	----	2.86	7.38	0.988	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.4107	1.9674	2.7656	2.2878	2.3269	2.0259	----	2.1951	----	2.28	7.46	0.996	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Avg	2.6418	2.0505	2.8814	2.5911	2.7121	2.5776	2.0343	2.1681	----	2.46	7.72	0.984	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.4224	1.1029	1.5545	1.3803	1.4061	1.2959	----	0.9333	----	1.30	7.70	0.999	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4.5-Tetramethylber	1	0	LinF	2.3134	1.5512	2.4609	2.2587	2.2795	2.1590	----	1.5348	----	2.08	8.19	0.999	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dibromo-3-Chloropr	1	0	LinF	0.2296	0.1834	0.2696	0.2291	0.2239	0.2469	0.2263	0.1372	----	0.218	8.25	0.998	0.999	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0957	0.0422	0.1122	0.0863	0.0840	0.0741	----	0.0316	0.0534	0.0725	8.72	0.996	1.00	38	200.0	50.00	100.0	500.0	1000.	2500.		10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.7485	0.6180	0.8248	0.7265	0.7603	0.7122	0.5736	0.8151	----	0.722	8.87	0.987	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	1.2550	1.0400	1.3977	1.1975	1.1656	1.1062	0.8907	1.1599	----	1.15	8.78	0.987	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	1.1595	0.8204	1.2947	1.0964	1.0842	1.0147	----	0.8890	----	1.05	9.11	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Naphthalene	1	0	LinF	2.3588	1.4158	2.7648	2.2749	2.2881	2.2032	----	1.3206	----	2.09	8.96	1.00	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63428.D Sam Mult : 1 Vial# : 13 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:50 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	290099	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	236731	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	140124	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	72007	30.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.63%			
38) 1,2-Dichloroethane-d4	4.090	67	43707	28.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.97%			
65) Toluene-d8	5.257	98	306385	28.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.87%			
75) Bromofluorobenzene	6.803	174	120249	28.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.192	51	121639	32.50	ug/l	89
6) Dichlorodifluoromethane	1.192	85	62775	28.26	ug/l	87
7) Chloromethane	1.308	50	66500	24.09	ug/l	82
8) Bromomethane	1.591	94	34813	24.91	ug/l	76
9) Vinyl Chloride	1.375	62	50082	23.31	ug/l	99
10) Chloroethane	1.641	64	31775	23.63	ug/l	86
11) Trichlorofluoromethane	1.808	101	60282	23.48	ug/l	87
12) Ethyl ether	2.007	59	70672	20.11	ug/l	90
13) Furan	2.027	39	194026	19.35	ug/l	95
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	34902	18.71	ug/l	92
15) Methylene Chloride	2.500	84	73607	21.18	ug/l	81
16) Acrolein	2.096	56	47844	92.70	ug/l	95
17) Acrylonitrile	2.687	53	27141	20.23	ug/l	77
18) Iodomethane	2.273	142	113667	25.33	ug/l	90
19) Acetone	2.194	43	102636	88.06	ug/l	92
20) Carbon Disulfide	2.323	76	191397	18.83	ug/l	100
21) t-Butyl Alcohol	2.569	59	26368	86.52	ug/l	72
22) n-Hexane	2.894	57	37057	12.15	ug/l	77
23) Di-isopropyl-ether	3.052	45	275397	20.28	ug/l	98
24) 1,1-Dichloroethene	2.165	61	104610	21.06	ug/l	95
25) Methyl Acetate	2.421	43	62344	19.46	ug/l	100
26) Methyl-t-butyl ether	2.687	73	158424	20.61	ug/l	66
27) 1,1-Dichloroethane	3.013	63	133170	20.22	ug/l	95
28) trans-1,2-Dichloroethene	2.697	96	64237	22.31	ug/l	93
29) cis-1,2-Dichloroethene	3.471	61	108299	20.90	ug/l	84
30) Bromochloromethane	3.663	49	71409	21.14	ug/l	67
31) 2,2-Dichloropropane	3.471	77	61266	14.61	ug/l	92
32) Ethyl acetate	3.525	43	69610	18.18	ug/l	97
33) 1,4-Dioxane	4.752	88	38263	1115.61	ug/l	81
34) 1,1-Dichloropropene	3.982	75	84842	19.42	ug/l	96
35) Chloroform	3.729	83	107224	19.96	ug/l	92
37) Cyclohexane	3.904	56	71806	15.54	ug/l	86
39) 1,2-Dichloroethane	4.138	62	93372	20.53	ug/l	97
40) 2-Butanone	3.483	43	31648	18.28	ug/l	96
41) 1,1,1-Trichloroethane	3.868	97	77557	17.58	ug/l	90
42) Carbon Tetrachloride	3.988	117	63367	19.09	ug/l	95
43) Vinyl Acetate	3.042	43	259503	18.93	ug/l	100
44) Bromodichloromethane	4.836	83	96340	19.74	ug/l	97
45) Methylcyclohexane	4.650	83	55083	13.08	ug/l	97
46) Dibromomethane	4.746	174	59433	22.31	ug/l	90
47) 1,2-Dichloropropane	4.674	63	88672	20.72	ug/l	91
48) Trichloroethene	4.535	130	73957	22.55	ug/l	94
49) Benzene	4.132	78	278316	20.62	ug/l	100
50) tert-Amyl methyl ether	4.193	73	179945	19.44	ug/l	72
52) Iso-propylacetate	4.163	43	147334	19.73	ug/l	68
53) Methyl methacrylate	4.728	41	88192	21.39	ug/l	91
54) Dibromochloromethane	5.775	129	82584	20.68	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	52719	18.56	ug/l	79
56) cis-1,3-Dichloropropene	5.095	75	128260	18.96	ug/l	90
57) trans-1,3-Dichloropropene	5.420	75	112205	18.96	ug/l	98
58) Ethyl methacrylate	5.456	41	94710	20.04	ug/l	83
59) 1,1,2-Trichloroethane	5.534	97	69598	20.74	ug/l	84
60) 1,2-Dibromoethane	5.847	107	78841	21.43	ug/l	94
61) 1,3-Dichloropropane	5.636	76	128678	20.88	ug/l	95
62) 4-Methyl-2-Pentanone	5.185	43	93307	18.49	ug/l	88
63) 2-Hexanone	5.666	43	63341	16.28	ug/l	83
64) Tetrachloroethene	5.624	164	63466	20.56	ug/l	95
66) Toluene	5.299	92	185980	20.70	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.172	133	70320	21.88	ug/l	65

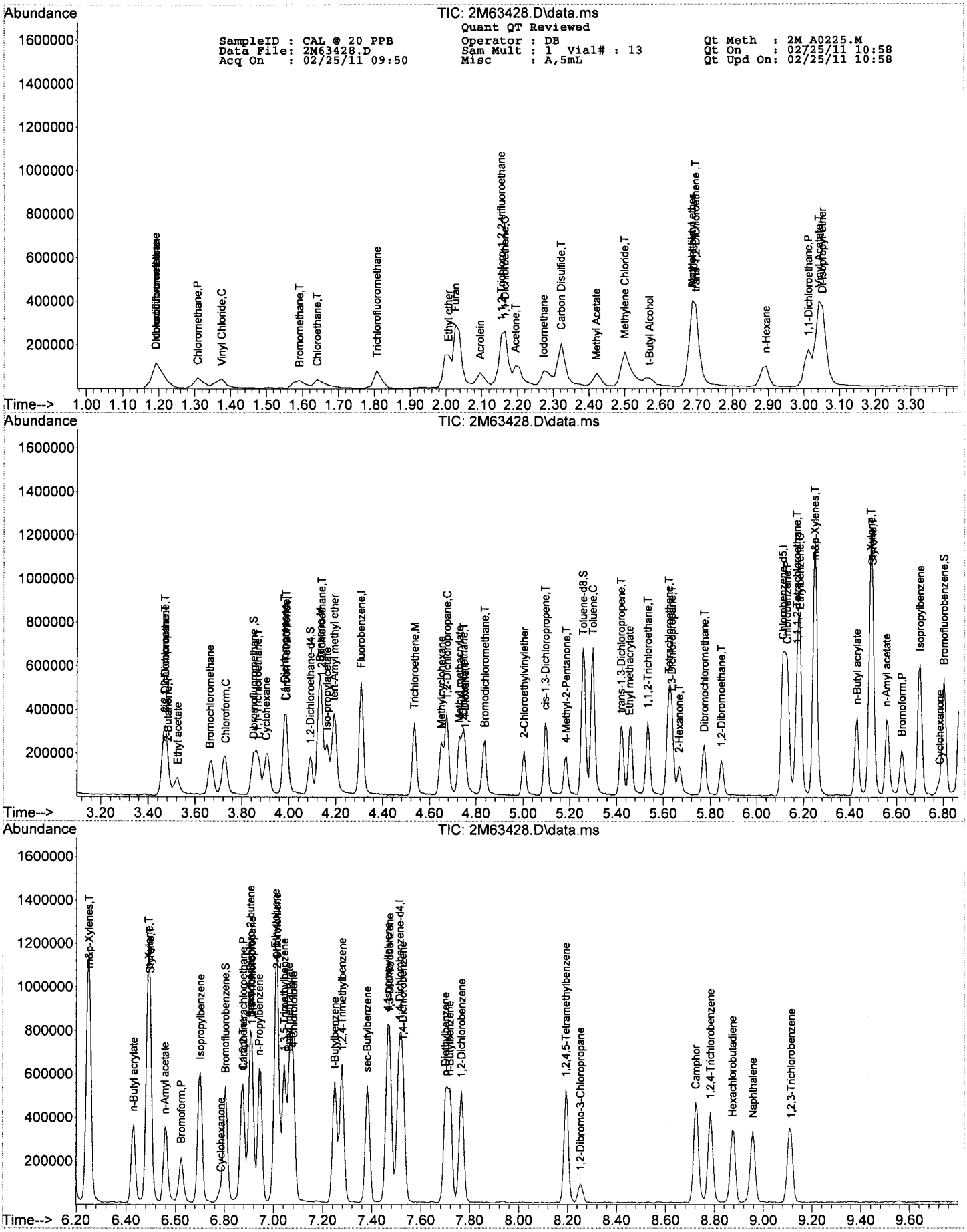
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63428.D Sam Mult : 1 Vial# : 13 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:50 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chlorobenzene	6.130	112	208808	21.25	ug/l	99
70) n-Butyl acrylate	6.430	55	174528	18.14	ug/l	98
71) n-Amyl acetate	6.557	43	164435	17.12	ug/l	88
72) Bromoform	6.623	173	68476	20.80	ug/l	98
73) Ethylbenzene	6.184	106	84577	17.01	ug/l	77
74) 1,1,2,2-Tetrachloroethane	6.875	83	98565	19.75	ug/l	95
76) Styrene	6.497	104	228001	19.79	ug/l	85
77) m&p-Xylenes	6.250	106	242876	34.42	ug/l	80
78) o-Xylene	6.490	106	127984	18.38	ug/l	65
79) trans-1,4-Dichloro-2-b...	6.906	53	24771	17.66	ug/l	29
80) 1,3-Dichlorobenzene	7.471	146	168503	19.54	ug/l	87
81) 1,4-Dichlorobenzene	7.525	146	177502	19.89	ug/l	92
82) 1,2-Dichlorobenzene	7.766	146	169332	21.30	ug/l	88
83) Isopropylbenzene	6.701	105	297112	18.27	ug/l	93
84) Cyclohexanone	6.785	55	15589	30.84	ug/l	95
85) Camphene	6.875	93	67042	33.76	ug/l	95
86) 1,2,3-Trichloropropane	6.912	75	118151	19.77	ug/l	85
87) 2-Chlorotoluene	7.014	91	202778	14.74	ug/l	95
88) p-Ethyltoluene	7.008	105	331903	6.90	ug/l	85
89) 4-Chlorotoluene	7.080	91	193776	18.66	ug/l	91
90) n-Propylbenzene	6.942	91	363717	17.81	ug/l	94
91) Bromobenzene	6.906	77	162007	15.30	ug/l	84
92) 1,3,5-Trimethylbenzene	7.044	105	253594	21.51	ug/l	87
93) Butyl methacrylate	7.062	41	142692	18.74	ug/l	53
94) t-Butylbenzene	7.248	119	225532	17.88	ug/l	80
95) 1,2,4-Trimethylbenzene	7.278	105	256408	18.42	ug/l	84
96) sec-Butylbenzene	7.381	105	279489	17.50	ug/l	97
97) 4-Isopropyltoluene	7.465	119	225203	16.98	ug/l	87
98) n-Butylbenzene	7.718	91	246791	13.59	ug/l	93
99) p-Diethylbenzene	7.700	119	132883	7.23	ug/l	90
100) 1,2,4,5-Tetramethylben...	8.193	119	216117	7.44	ug/l	86
101) 1,2-Dibromo-3-Chloropr...	8.253	157	21454	22.10	ug/l	53
102) Camphor	8.722	95	89396	456.82	ug/l	94
103) Hexachlorobutadiene	8.873	225	69930	24.54	ug/l	95
104) 1,2,4-Trichlorobenzene	8.782	180	117245	23.49	ug/l	95
105) 1,2,3-Trichlorobenzene	9.113	180	108319	25.50	ug/l	95
106) Naphthalene	8.957	128	220350	23.57	ug/l	100

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


Abundance
TIC: 2M63428.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M63428.D
Acq On : 02/25/11 09:50
Operator : DB
Sam Mult : 1 Vial# : 13
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63428.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Iso-propyl acetate
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
Time-->

Abundance
TIC: 2M63428.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63423.D Sam Mult : 1 Vial# : 8 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:31 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	280920	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	226134	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.507	152	140212	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.844	111	75435	32.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.97%			
38) 1,2-Dichloroethane-d4	4.091	67	44196	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.10%			
65) Toluene-d8	5.258	98	297417	29.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.43%			
75) Bromofluorobenzene	6.804	174	122486	28.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.63%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.198	51	37424	10.33	ug/l	78
6) Dichlorodifluoromethane	1.181	85	16244	7.55	ug/l	78
7) Chloromethane	1.297	50	18417	6.89	ug/l	73
8) Bromomethane	1.580	94	7765	5.74	ug/l	96
9) Vinyl Chloride	1.364	62	14167	6.81	ug/l	97
10) Chloroethane	1.647	64	9048	6.95	ug/l	96
11) Trichlorofluoromethane	1.813	101	10785	4.34	ug/l	91
12) Ethyl ether	1.998	59	13926	4.09	ug/l	92
13) Furan	2.027	39	40611	4.18	ug/l	92
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	7548	4.18	ug/l	92
15) Methylene Chloride	2.500	84	14954	4.44	ug/l	90
16) Acrolein	2.096	56	6685	13.38	ug/l	88
17) Acrylonitrile	2.678	53	6470	4.98	ug/l	95
18) Iodomethane	2.274	142	19901	4.58	ug/l	100
19) Acetone	2.195	43	23574	20.89	ug/l	91
20) Carbon Disulfide	2.323	76	41289	4.19	ug/l	100
21) t-Butyl Alcohol	2.569	59	6168	20.90	ug/l	61
22) n-Hexane	2.885	57	10186	3.45	ug/l	68
23) Di-isopropyl-ether	3.053	45	51911	3.95	ug/l	98
24) 1,1-Dichloroethene	2.165	61	22381	4.65	ug/l	97
25) Methyl Acetate	2.422	43	13160	4.24	ug/l	100
26) Methyl-t-butyl ether	2.688	73	30385	4.08	ug/l	71
27) 1,1-Dichloroethane	3.013	63	26648	4.18	ug/l	82
28) trans-1,2-Dichloroethene	2.698	96	13739	4.93	ug/l	90
29) cis-1,2-Dichloroethene	3.465	61	21195	4.22	ug/l	82
30) Bromochloromethane	3.664	49	15942	4.87	ug/l	68
31) 2,2-Dichloropropane	3.465	77	13364	3.29	ug/l	94
32) Ethyl acetate	3.519	43	14621	3.94	ug/l	93
33) 1,4-Dioxane	4.746	88	7645	230.18	ug/l	94
34) 1,1-Dichloropropene	3.982	75	16627	3.93	ug/l	88
35) Chloroform	3.724	83	20052	3.86	ug/l	83
37) Cyclohexane	3.904	56	16646	3.72	ug/l	93
39) 1,2-Dichloroethane	4.139	62	19515	4.43	ug/l	90
40) 2-Butanone	3.489	43	7880	4.70	ug/l	56
41) 1,1,1-Trichloroethane	3.868	97	17086	4.00	ug/l	97
42) Carbon Tetrachloride	3.982	117	12750	3.97	ug/l	93
43) Vinyl Acetate	3.043	43	40092	3.02	ug/l	100
44) Bromodichloromethane	4.831	83	21105	4.47	ug/l	90
45) Methylcyclohexane	4.644	83	13765	3.37	ug/l	95
46) Dibromomethane	4.746	174	13851	5.37	ug/l	84
47) 1,2-Dichloropropane	4.668	63	18535	4.47	ug/l	100
48) Trichloroethene	4.530	130	15212	4.79	ug/l	94
49) Benzene	4.127	78	54143	4.14	ug/l	100
50) tert-Amyl methyl ether	4.187	73	34837	3.89	ug/l	80
52) Iso-propylacetate	4.163	43	25183m	3.53	ug/l	
53) Methyl methacrylate	4.728	41	14686	3.73	ug/l	91
54) Dibromochloromethane	5.769	129	14785	3.88	ug/l	79
55) 2-Chloroethylvinylether	5.005	63	9442	3.48	ug/l	82
56) cis-1,3-Dichloropropene	5.095	75	21919	3.39	ug/l	94
57) trans-1,3-Dichloropropene	5.420	75	19415	3.43	ug/l	97
58) Ethyl methacrylate	5.456	41	15562	3.45	ug/l	78
59) 1,1,2-Trichloroethane	5.528	97	13643	4.26	ug/l	74
60) 1,2-Dibromoethane	5.847	107	15060	4.28	ug/l	86
61) 1,3-Dichloropropane	5.631	76	26936	4.57	ug/l	98
62) 4-Methyl-2-Pentanone	5.179	43	16523	3.43	ug/l	82
63) 2-Hexanone	5.667	43	11331	3.05	ug/l	93
64) Tetrachloroethene	5.619	164	14380	4.88	ug/l	86
66) Toluene	5.294	92	36745	4.28	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.172	133	14195	4.62	ug/l	83

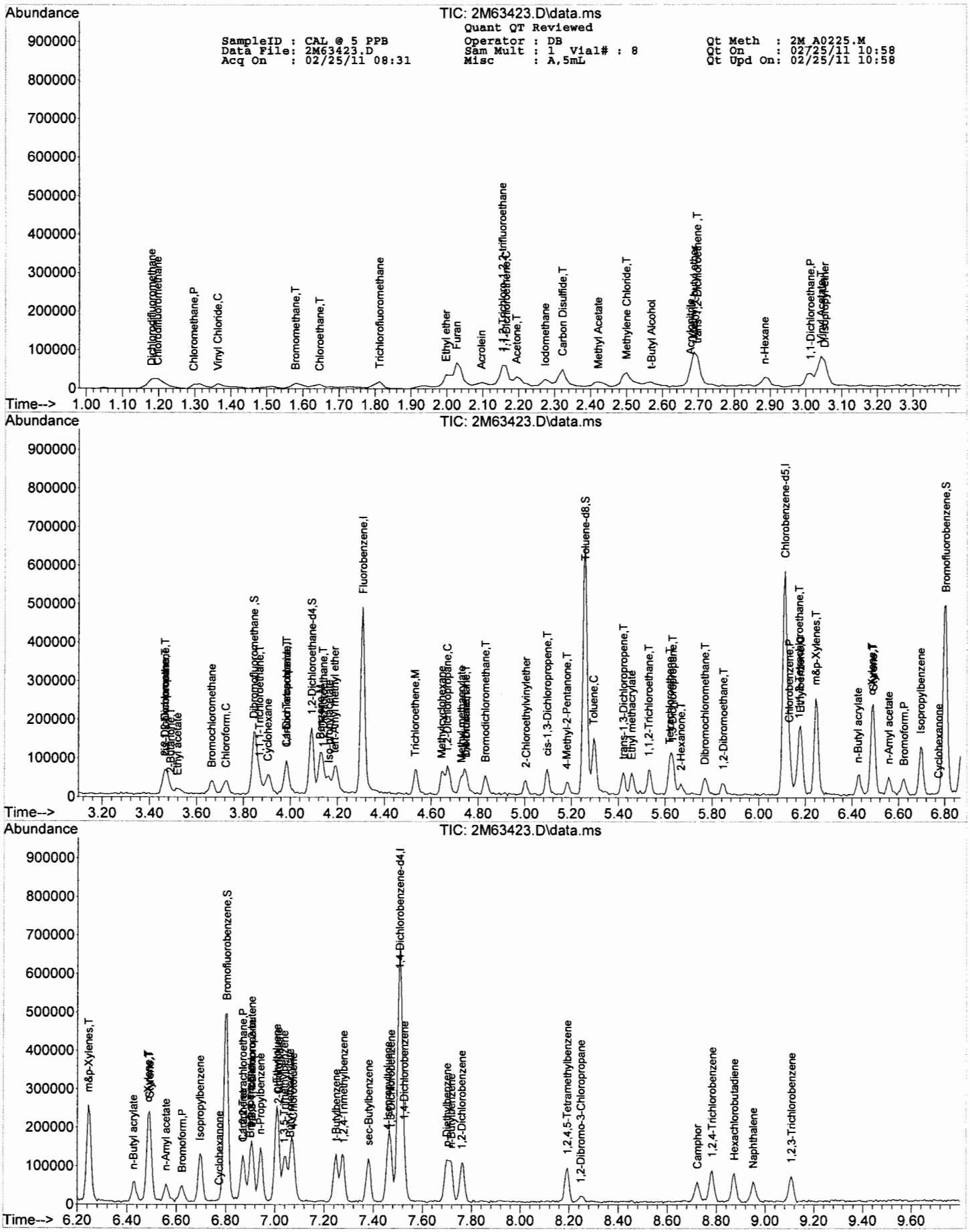
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63423.D Sam Mult : 1 Vial# : 8 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:31 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	Chlorobenzene	6.130	112	42144	4.49	ug/l		89
70)	n-Butyl acrylate	6.425	55	25518	2.65	ug/l		95
71)	n-Amyl acetate	6.557	43	22257	2.32	ug/l		82
72)	Bromoform	6.623	173	13670	4.15	ug/l		74
73)	Ethylbenzene	6.178	106	17248	3.47	ug/l		74
74)	1,1,2,2-Tetrachloroethane	6.870	83	18427	3.69	ug/l		92
76)	Styrene	6.491	104	45642	3.96	ug/l		86
77)	m&p-Xylenes	6.244	106	51954	7.36	ug/l		76
78)	o-Xylene	6.485	106	27139	3.89	ug/l		54
79)	trans-1,4-Dichloro-2-b...	6.906	53	4535	3.23	ug/l		55
80)	1,3-Dichlorobenzene	7.471	146	36909	4.28	ug/l		85
81)	1,4-Dichlorobenzene	7.525	146	39005	4.37	ug/l		91
82)	1,2-Dichlorobenzene	7.760	146	34573	4.35	ug/l		86
83)	Isopropylbenzene	6.695	105	60211	3.70	ug/l		92
84)	Cyclohexanone	6.774	55	3642	7.20	ug/l		86
85)	Camphene	6.870	93	15082	7.59	ug/l		93
86)	1,2,3-Trichloropropane	6.906	75	23422	3.92	ug/l		85
87)	2-Chlorotoluene	7.014	91	42576	3.09	ug/l		93
88)	p-Ethyltoluene	7.008	105	73854	1.53	ug/l		84
89)	4-Chlorotoluene	7.074	91	41416	3.99	ug/l		89
90)	n-Propylbenzene	6.942	91	76984	3.77	ug/l		96
91)	Bromobenzene	6.900	77	30462	2.88	ug/l		77
92)	1,3,5-Trimethylbenzene	7.038	105	48517	4.11	ug/l		73
93)	Butyl methacrylate	7.062	41	20430	2.68	ug/l	#	41
94)	t-Butylbenzene	7.249	119	46208	3.66	ug/l		77
95)	1,2,4-Trimethylbenzene	7.279	105	53639	3.85	ug/l		86
96)	sec-Butylbenzene	7.381	105	57084	3.57	ug/l		95
97)	4-Isopropyltoluene	7.459	119	45977	3.47	ug/l		89
98)	n-Butylbenzene	7.718	91	47918	2.64	ug/l		93
99)	p-Diethylbenzene	7.700	119	25775	1.40	ug/l		88
100)	1,2,4,5-Tetramethylben...	8.193	119	36251	1.25	ug/l		81
101)	1,2-Dibromo-3-Chloropr...	8.247	157	4287	4.41	ug/l		51
102)	Camphor	8.722	95	9876	50.44	ug/l		97
103)	Hexachlorobutadiene	8.873	225	14444	5.06	ug/l		91
104)	1,2,4-Trichlorobenzene	8.783	180	24305	4.87	ug/l		95
105)	1,2,3-Trichlorobenzene	9.107	180	19172	4.51	ug/l		90
106)	Naphthalene	8.951	128	33086	3.54	ug/l		100

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


Abundance
TIC: 2M63423.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 2M63423.D
Acq On : 02/25/11 08:31
Operator : DB
Sam Mult : 1 Vial# : 8
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63423.D\data.ms
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
Time-->

Abundance
TIC: 2M63423.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63429.D Sam Mult : 1 Vial# : 14 Qt On : 02/25/11 10:59
Acq On : 02/25/11 10:06 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	260578	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.111	117	217825	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	124454	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	63552	29.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.87%			
38) 1,2-Dichloroethane-d4	4.090	67	42483	30.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.67%			
65) Toluene-d8	5.257	98	281609	28.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.77%			
75) Bromofluorobenzene	6.803	174	111392	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.193	51	67631	20.12	ug/l	85
6) Dichlorodifluoromethane	1.193	85	32838	16.45	ug/l	98
7) Chloromethane	1.309	50	36028	14.53	ug/l	82
8) Bromomethane	1.592	94	16662	13.27	ug/l	86
9) Vinyl Chloride	1.376	62	29425	15.25	ug/l	99
10) Chloroethane	1.642	64	16551	13.71	ug/l	91
11) Trichlorofluoromethane	1.809	101	31320	13.58	ug/l	93
12) Ethyl ether	2.007	59	38624	12.24	ug/l	93
13) Furan	2.036	39	101875	11.31	ug/l	97
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	17824	10.64	ug/l	99
15) Methylene Chloride	2.500	84	38992	12.49	ug/l	93
16) Acrolein	2.095	56	20726	44.70	ug/l	94
17) Acrylonitrile	2.677	53	12195	10.12	ug/l	93
18) Iodomethane	2.283	142	59693	14.81	ug/l	91
19) Acetone	2.204	43	60655	57.94	ug/l	88
20) Carbon Disulfide	2.322	76	103230	11.30	ug/l	100
21) t-Butyl Alcohol	2.569	59	15219	55.59	ug/l	66
22) n-Hexane	2.894	57	21515	7.85	ug/l	76
23) Di-isopropyl-ether	3.052	45	142196	11.66	ug/l	98
24) 1,1-Dichloroethene	2.164	61	55268	12.38	ug/l	90
25) Methyl Acetate	2.421	43	35689	12.40	ug/l	100
26) Methyl-t-butyl ether	2.687	73	80099	11.60	ug/l	69
27) 1,1-Dichloroethane	3.012	63	72984	12.34	ug/l	96
28) trans-1,2-Dichloroethene	2.697	96	31316	12.11	ug/l	96
29) cis-1,2-Dichloroethene	3.465	61	56011	12.04	ug/l	91
30) Bromochloromethane	3.669	49	37161	12.25	ug/l	68
31) 2,2-Dichloropropane	3.471	77	29075	7.72	ug/l	88
32) Ethyl acetate	3.519	43	40941	11.90	ug/l	100
33) 1,4-Dioxane	4.752	88	19859	644.61	ug/l	60
34) 1,1-Dichloropropene	3.988	75	47150	12.01	ug/l	96
35) Chloroform	3.723	83	54521	11.30	ug/l	82
37) Cyclohexane	3.910	56	36973	8.91	ug/l	90
39) 1,2-Dichloroethane	4.138	62	49224	12.05	ug/l	98
40) 2-Butanone	3.483	43	17435	11.21	ug/l	86
41) 1,1,1-Trichloroethane	3.868	97	39295	9.92	ug/l	93
42) Carbon Tetrachloride	3.988	117	32175	10.79	ug/l	98
43) Vinyl Acetate	3.042	43	119137	9.68	ug/l	100
44) Bromodichloromethane	4.836	83	50925	11.62	ug/l	91
45) Methylcyclohexane	4.650	83	30358	8.02	ug/l	92
46) Dibromomethane	4.746	174	31340	13.10	ug/l	88
47) 1,2-Dichloropropane	4.674	63	45141	11.74	ug/l	99
48) Trichloroethene	4.535	130	36950	12.55	ug/l	95
49) Benzene	4.132	78	135821	11.20	ug/l	100
50) tert-Amyl methyl ether	4.192	73	93586	11.26	ug/l	73
52) Iso-propylacetate	4.162	43	76654	11.16	ug/l	69
53) Methyl methacrylate	4.728	41	46643	12.30	ug/l	93
54) Dibromochloromethane	5.775	129	41328	11.25	ug/l	99
55) 2-Chloroethylvinylether	5.005	63	26918	10.30	ug/l	87
56) cis-1,3-Dichloropropene	5.095	75	64489	10.36	ug/l	87
57) trans-1,3-Dichloropropene	5.420	75	56120	10.30	ug/l	97
58) Ethyl methacrylate	5.462	41	46540	10.70	ug/l	81
59) 1,1,2-Trichloroethane	5.534	97	36372	11.78	ug/l	87
60) 1,2-Dibromoethane	5.847	107	41444	12.24	ug/l	100
61) 1,3-Dichloropropane	5.636	76	67522	11.90	ug/l	95
62) 4-Methyl-2-Pentanone	5.185	43	52179	11.24	ug/l	97
63) 2-Hexanone	5.666	43	36158	10.10	ug/l	89
64) Tetrachloroethene	5.624	164	32033	11.28	ug/l	94
66) Toluene	5.299	92	92723	11.21	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.172	133	35269	11.93	ug/l	71

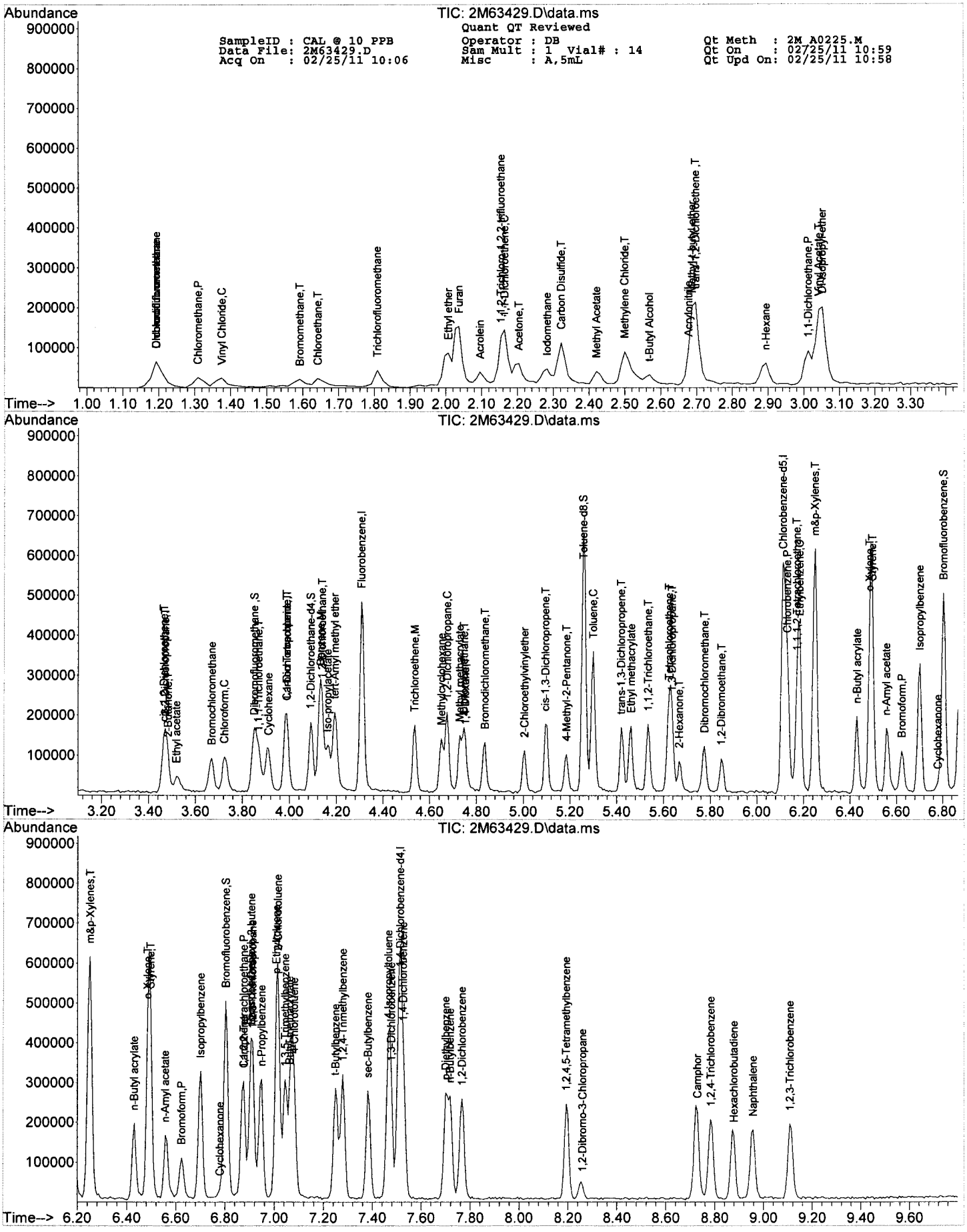
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63429.D Sam Mult : 1 Vial# : 14 Qt On : 02/25/11 10:59
Acq On : 02/25/11 10:06 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.129	112	106918	11.82	ug/l	97
70)	n-Butyl acrylate	6.430	55	87733	10.27	ug/l	95
71)	n-Amyl acetate	6.557	43	76241	8.94	ug/l	85
72)	Bromoform	6.623	173	35070	12.00	ug/l	98
73)	Ethylbenzene	6.184	106	46408	10.51	ug/l	64
74)	1,1,2,2-Tetrachloroethane	6.875	83	50705	11.44	ug/l	95
76)	Styrene	6.496	104	114213	11.16	ug/l	85
77)	m&p-Xylenes	6.250	106	125685	20.05	ug/l	84
78)	o-Xylene	6.484	106	65216	10.54	ug/l	64
79)	trans-1,4-Dichloro-2-b...	6.905	53	11857	9.52	ug/l	19
80)	1,3-Dichlorobenzene	7.477	146	87671	11.45	ug/l	86
81)	1,4-Dichlorobenzene	7.525	146	87079	10.98	ug/l	93
82)	1,2-Dichlorobenzene	7.766	146	86774	12.29	ug/l	86
83)	Isopropylbenzene	6.701	105	148945	10.31	ug/l	92
84)	Cyclohexanone	6.779	55	8842	19.69	ug/l	89
85)	Camphene	6.875	93	35591	20.18	ug/l	91
86)	1,2,3-Trichloropropane	6.911	75	59791	11.27	ug/l	88
87)	2-Chlorotoluene	7.014	91	105601	8.64	ug/l	93
88)	p-Ethyltoluene	7.008	105	160804	3.76	ug/l	84
89)	4-Chlorotoluene	7.080	91	95424	10.35	ug/l	91
90)	n-Propylbenzene	6.948	91	176033	9.71	ug/l	94
91)	Bromobenzene	6.905	77	96417	10.25	ug/l	86
92)	1,3,5-Trimethylbenzene	7.044	105	121780	11.63	ug/l	87
93)	Butyl methacrylate	7.062	41	69513	10.28	ug/l	54
94)	t-Butylbenzene	7.248	119	115754	10.33	ug/l	79
95)	1,2,4-Trimethylbenzene	7.278	105	131264	10.62	ug/l	88
96)	sec-Butylbenzene	7.381	105	140237	9.88	ug/l	98
97)	4-Isopropyltoluene	7.465	119	114731	9.74	ug/l	86
98)	n-Butylbenzene	7.718	91	119537	7.41	ug/l	92
99)	p-Diethylbenzene	7.699	119	64489	3.95	ug/l	89
100)	1,2,4,5-Tetramethylben...	8.193	119	102090	3.96	ug/l	89
101)	1,2-Dibromo-3-Chloropr...	8.259	157	11188	12.97	ug/l	55
102)	Camphor	8.728	95	46578	267.98	ug/l	100
103)	Hexachlorobutadiene	8.878	225	34218	13.52	ug/l	95
104)	1,2,4-Trichlorobenzene	8.782	180	57987	13.08	ug/l	94
105)	1,2,3-Trichlorobenzene	9.107	180	53714	14.24	ug/l	90
106)	Naphthalene	8.957	128	114697	13.81	ug/l	100

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


Abundance
TIC: 2M63429.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 2M63429.D
Acq On : 02/25/11 10:06
Operator : DB
Sam Mult : 1 Vial# : 14
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:59
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63429.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
Time-->

Abundance
TIC: 2M63429.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63427.D Sam Mult : 1 Vial# : 12 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:34 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	293711	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	239585	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.508	152	134110	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	74073	30.98	ug/l	0.00
Spiked Amount 30.000			Recovery =	103.27%		
38) 1,2-Dichloroethane-d4	4.091	67	47823	30.46	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.53%		
65) Toluene-d8	5.258	98	314453	29.16	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.20%		
75) Bromofluorobenzene	6.804	174	123254	30.50	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.67%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.194	51	295393	77.95	ug/l	92
6) Dichlorodifluoromethane	1.194	85	158619	70.52	ug/l	92
7) Chloromethane	1.310	50	170462	61.00	ug/l	85
8) Bromomethane	1.576	94	83203	58.79	ug/l	90
9) Vinyl Chloride	1.377	62	132467	60.89	ug/l	91
10) Chloroethane	1.643	64	74771	54.93	ug/l	93
11) Trichlorofluoromethane	1.809	101	140718	54.14	ug/l	89
12) Ethyl ether	1.997	59	175353	49.29	ug/l	90
13) Furan	2.027	39	472796	46.58	ug/l	93
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	89260	47.26	ug/l	94
15) Methylene Chloride	2.500	84	175866	49.99	ug/l	89
16) Acrolein	2.096	56	127449	243.89	ug/l	100
17) Acrylonitrile	2.678	53	66807	49.18	ug/l	92
18) Iodomethane	2.273	142	265570	58.46	ug/l	95
19) Acetone	2.195	43	262532	222.48	ug/l	87
20) Carbon Disulfide	2.323	76	482158	46.84	ug/l	100
21) t-Butyl Alcohol	2.569	59	72569	235.18	ug/l	70
22) n-Hexane	2.885	57	111382	36.06	ug/l	71
23) Di-isopropyl-ether	3.052	45	694429	50.52	ug/l	98
24) 1,1-Dichloroethene	2.155	61	258440	51.38	ug/l	99
25) Methyl Acetate	2.421	43	155446	47.93	ug/l	100
26) Methyl-t-butyl ether	2.688	73	386287	49.64	ug/l	64
27) 1,1-Dichloroethane	3.013	63	342898	51.43	ug/l	99
28) trans-1,2-Dichloroethene	2.697	96	154659	53.05	ug/l	92
29) cis-1,2-Dichloroethene	3.471	61	261068	49.77	ug/l	87
30) Bromochloromethane	3.664	49	173900	50.85	ug/l	70
31) 2,2-Dichloropropane	3.471	77	150016	35.33	ug/l	93
32) Ethyl acetate	3.519	43	200531	51.72	ug/l	95
33) 1,4-Dioxane	4.752	88	92571	2665.84	ug/l	78
34) 1,1-Dichloropropene	3.982	75	214110	48.40	ug/l	99
35) Chloroform	3.724	83	264473	48.63	ug/l	87
37) Cyclohexane	3.904	56	206344	44.10	ug/l	84
39) 1,2-Dichloroethane	4.139	62	226133	49.11	ug/l	99
40) 2-Butanone	3.477	43	76555	43.68	ug/l	96
41) 1,1,1-Trichloroethane	3.868	97	192112	43.02	ug/l	95
42) Carbon Tetrachloride	3.989	117	161445	48.04	ug/l	86
43) Vinyl Acetate	3.043	43	699592	50.42	ug/l	100
44) Bromodichloromethane	4.831	83	248188	50.22	ug/l	89
45) Methylcyclohexane	4.650	83	154144	36.14	ug/l	98
46) Dibromomethane	4.746	174	145013	53.77	ug/l	93
47) 1,2-Dichloropropane	4.674	63	219771	50.72	ug/l	99
48) Trichloroethene	4.536	130	167597	50.48	ug/l	95
49) Benzene	4.127	78	655122	47.93	ug/l	100
50) tert-Amyl methyl ether	4.193	73	457737	48.85	ug/l	70
52) Iso-propylacetate	4.163	43	391881	51.86	ug/l	72
53) Methyl methacrylate	4.728	41	216439	51.88	ug/l	96
54) Dibromochloromethane	5.775	129	206814	51.17	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	131249	45.65	ug/l	80
56) cis-1,3-Dichloropropene	5.095	75	312968	45.71	ug/l	93
57) trans-1,3-Dichloropropene	5.420	75	275202	45.94	ug/l	98
58) Ethyl methacrylate	5.456	41	244135	51.04	ug/l	81
59) 1,1,2-Trichloroethane	5.534	97	169440	49.88	ug/l	85
60) 1,2-Dibromoethane	5.847	107	190154	51.06	ug/l	93
61) 1,3-Dichloropropane	5.637	76	315833	50.63	ug/l	95
62) 4-Methyl-2-Pentanone	5.180	43	243500	47.68	ug/l	98
63) 2-Hexanone	5.667	43	173521	44.06	ug/l	86
64) Tetrachloroethene	5.619	164	143513	45.95	ug/l	95
66) Toluene	5.300	92	430043	47.28	ug/l	98
67) 1,1,1,2-Tetrachloroethane	6.172	133	159658	49.09	ug/l	68

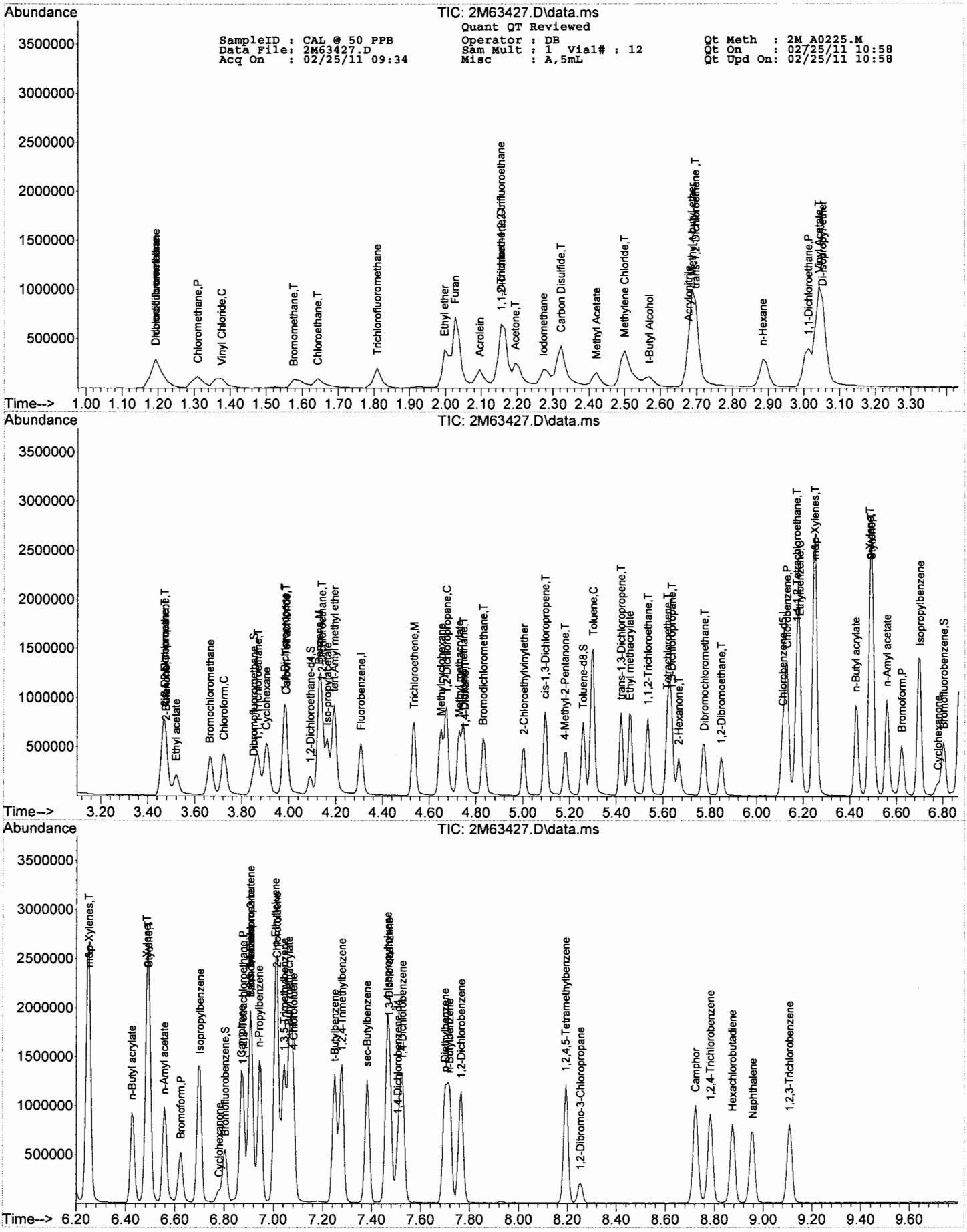
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63427.D Sam Mult : 1 Vial# : 12 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:34 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.130	112	487566	49.02	ug/l	96
70)	n-Butyl acrylate	6.425	55	458769	49.81	ug/l	98
71)	n-Amyl acetate	6.557	43	450400	48.99	ug/l	90
72)	Bromoform	6.623	173	163804	52.00	ug/l	99
73)	Ethylbenzene	6.184	106	185152	38.91	ug/l	81
74)	1,1,2,2-Tetrachloroethane	6.876	83	229734	48.09	ug/l	95
76)	Styrene	6.491	104	523164	47.45	ug/l	90
77)	m&p-Xylenes	6.250	106	557351	82.52	ug/l	83
78)	o-Xylene	6.485	106	290286	43.55	ug/l	69
79)	trans-1,4-Dichloro-2-b...	6.906	53	59926	44.64	ug/l	21
80)	1,3-Dichlorobenzene	7.471	146	385218	46.68	ug/l	87
81)	1,4-Dichlorobenzene	7.526	146	396711	46.44	ug/l	93
82)	1,2-Dichlorobenzene	7.766	146	390625	51.35	ug/l	87
83)	Isopropylbenzene	6.701	105	704924	45.29	ug/l	92
84)	Cyclohexanone	6.780	55	39045	80.71	ug/l	98
85)	Camphene	6.870	93	178765	94.05	ug/l	95
86)	1,2,3-Trichloropropane	6.906	75	284197	49.69	ug/l	85
87)	2-Chlorotoluene	7.014	91	460322	34.95	ug/l	96
88)	p-Ethyltoluene	7.008	105	752106	16.33	ug/l	85
89)	4-Chlorotoluene	7.080	91	426256	42.90	ug/l	91
90)	n-Propylbenzene	6.942	91	855921	43.80	ug/l	95
91)	Bromobenzene	6.906	77	438555	43.28	ug/l	87
92)	1,3,5-Trimethylbenzene	7.044	105	570971	50.59	ug/l	87
93)	Butyl methacrylate	7.062	41	350940	48.16	ug/l	51
94)	t-Butylbenzene	7.249	119	542697	44.95	ug/l	77
95)	1,2,4-Trimethylbenzene	7.279	105	610924	45.87	ug/l	85
96)	sec-Butylbenzene	7.381	105	667039	43.63	ug/l	96
97)	4-Isopropyltoluene	7.465	119	511379	40.29	ug/l	87
98)	n-Butylbenzene	7.718	91	579153	33.32	ug/l	92
99)	p-Diethylbenzene	7.700	119	308541	17.54	ug/l	90
100)	1,2,4,5-Tetramethylben...	8.193	119	504864	18.16	ug/l	87
101)	1,2-Dibromo-3-Chloropr...	8.253	157	51223	55.12	ug/l	56
102)	Camphor	8.723	95	193014	1030.54	ug/l	94
103)	Hexachlorobutadiene	8.873	225	162393	59.53	ug/l	95
104)	1,2,4-Trichlorobenzene	8.783	180	267667	56.04	ug/l	96
105)	1,2,3-Trichlorobenzene	9.108	180	245065	60.29	ug/l	95
106)	Naphthalene	8.957	128	508488	56.82	ug/l	100

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


Abundance
TIC: 2M63427.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 2M63427.D
Acq On : 02/25/11 09:34
Operator : DB
Sam Mult : 1 Vial# : 12
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63427.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
Time-->

Abundance
TIC: 2M63427.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63426.D Sam Mult : 1 Vial# : 11 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:18 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	294384	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.111	117	234082	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.507	152	131688	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	71258	29.74	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.13%		
38) 1,2-Dichloroethane-d4	4.090	67	48003	30.51	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.70%		
65) Toluene-d8	5.257	98	311368	29.56	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.53%		
75) Bromofluorobenzene	6.803	174	124065	31.27	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.23%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.196	51	553460	145.72	ug/l	97
6) Dichlorodifluoromethane	1.180	85	344235	152.69	ug/l	89
7) Chloromethane	1.313	50	334250	119.34	ug/l	84
8) Bromomethane	1.579	94	152102	107.23	ug/l	85
9) Vinyl Chloride	1.363	62	270298	123.97	ug/l	97
10) Chloroethane	1.646	64	139215	102.04	ug/l	89
11) Trichlorofluoromethane	1.812	101	282233	108.35	ug/l	89
12) Ethyl ether	1.997	59	328814	92.21	ug/l	92
13) Furan	2.026	39	919002	90.34	ug/l	95
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	183328	96.84	ug/l	96
15) Methylene Chloride	2.500	84	345368	97.94	ug/l	87
16) Acrolein	2.095	56	245732	469.16	ug/l	97
17) Acrylonitrile	2.677	53	126315	92.77	ug/l	99
18) Iodomethane	2.273	142	489863	107.59	ug/l	95
19) Acetone	2.194	43	496087	419.45	ug/l	91
20) Carbon Disulfide	2.322	76	965486	93.58	ug/l	100
21) t-Butyl Alcohol	2.569	59	141038	456.03	ug/l	78
22) n-Hexane	2.884	57	251433	81.22	ug/l	72
23) Di-isopropyl-ether	3.052	45	1301457	94.46	ug/l	98
24) 1,1-Dichloroethene	2.155	61	490189	97.23	ug/l	97
25) Methyl Acetate	2.421	43	288672	88.81	ug/l	100
26) Methyl-t-butyl ether	2.687	73	735485	94.29	ug/l	65
27) 1,1-Dichloroethane	3.012	63	658065	98.48	ug/l	96
28) trans-1,2-Dichloroethene	2.697	96	293247	100.36	ug/l	95
29) cis-1,2-Dichloroethene	3.465	61	492381	93.65	ug/l	85
30) Bromochloromethane	3.663	49	343741	100.28	ug/l	70
31) 2,2-Dichloropropane	3.471	77	300871	70.69	ug/l	93
32) Ethyl acetate	3.519	43	383432	98.66	ug/l	98
33) 1,4-Dioxane	4.752	88	168893	4852.62	ug/l	82
34) 1,1-Dichloropropene	3.982	75	411043	92.71	ug/l	96
35) Chloroform	3.723	83	514948	94.47	ug/l	90
37) Cyclohexane	3.904	56	443673	94.60	ug/l	85
39) 1,2-Dichloroethane	4.138	62	427770	92.68	ug/l	96
40) 2-Butanone	3.483	43	149909	85.34	ug/l	99
41) 1,1,1-Trichloroethane	3.868	97	395675	88.40	ug/l	98
42) Carbon Tetrachloride	3.982	117	326088	96.80	ug/l	90
43) Vinyl Acetate	3.042	43	1383685	99.49	ug/l	100
44) Bromodichloromethane	4.830	83	480738	97.06	ug/l	94
45) Methylcyclohexane	4.650	83	354960	83.03	ug/l	97
46) Dibromomethane	4.746	174	267084	98.80	ug/l	96
47) 1,2-Dichloropropane	4.674	63	424403	97.72	ug/l	93
48) Trichloroethene	4.535	130	330724	99.39	ug/l	93
49) Benzene	4.126	78	1221279	89.15	ug/l	100
50) tert-Amyl methyl ether	4.193	73	858525	91.40	ug/l	70
52) Iso-propylacetate	4.162	43	758479	102.73	ug/l	86
53) Methyl methacrylate	4.728	41	421074	103.30	ug/l	97
54) Dibromochloromethane	5.775	129	396700	100.46	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	269925	96.08	ug/l	79
56) cis-1,3-Dichloropropene	5.095	75	604607	90.38	ug/l	91
57) trans-1,3-Dichloropropene	5.420	75	545581	93.22	ug/l	100
58) Ethyl methacrylate	5.456	41	473811	101.38	ug/l	80
59) 1,1,2-Trichloroethane	5.534	97	323355	97.43	ug/l	85
60) 1,2-Dibromoethane	5.847	107	376089	103.37	ug/l	92
61) 1,3-Dichloropropane	5.636	76	585846	96.12	ug/l	100
62) 4-Methyl-2-Pentanone	5.179	43	469424	94.07	ug/l	97
63) 2-Hexanone	5.666	43	325176	84.50	ug/l	86
64) Tetrachloroethene	5.624	164	281175	92.14	ug/l	95
66) Toluene	5.299	92	816001	91.83	ug/l	99
67) 1,1,1,2-Tetrachloroethane	6.172	133	291510	91.73	ug/l	62

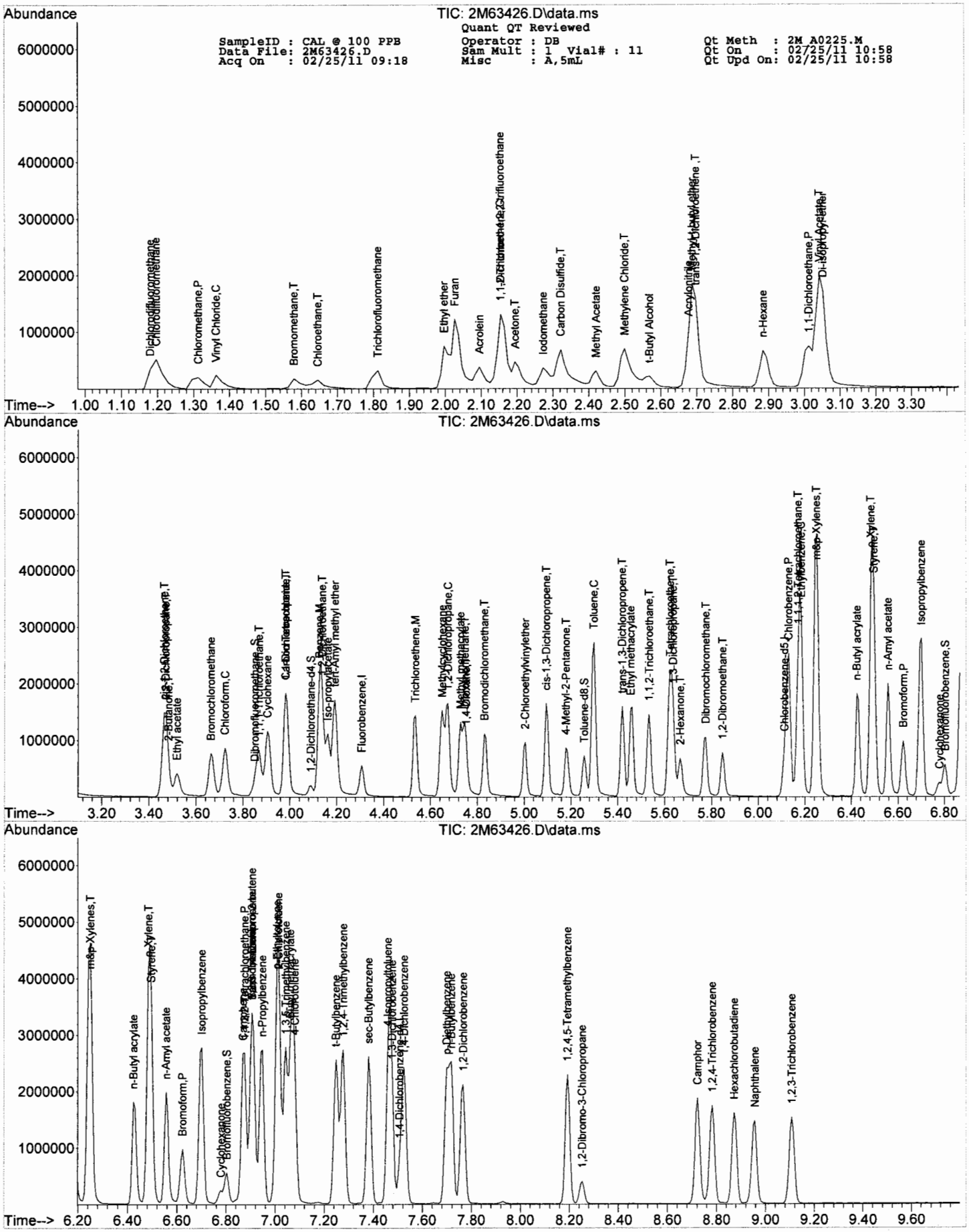
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63426.D Sam Mult : 1 Vial# : 11 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:18 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chlorobenzene	6.130	112	938909	96.62	ug/l	96
70) n-Butyl acrylate	6.424	55	906112	100.20	ug/l	98
71) n-Amyl acetate	6.557	43	882076	97.71	ug/l	91
72) Bromoform	6.623	173	318300	102.90	ug/l	88
73) Ethylbenzene	6.184	106	356096	76.20	ug/l	79
74) 1,1,2,2-Tetrachloroethane	6.875	83	429179	91.49	ug/l	90
76) Styrene	6.496	104	943526	87.15	ug/l	85
77) m&p-Xylenes	6.250	106	1019596	153.73	ug/l	81
78) o-Xylene	6.484	106	529212	80.86	ug/l	71
79) trans-1,4-Dichloro-2-b...	6.905	53	108277	82.14	ug/l	21
80) 1,3-Dichlorobenzene	7.477	146	698416	86.20	ug/l	87
81) 1,4-Dichlorobenzene	7.525	146	763735	91.04	ug/l	92
82) 1,2-Dichlorobenzene	7.766	146	735366	98.44	ug/l	88
83) Isopropylbenzene	6.701	105	1408092	92.13	ug/l	93
84) Cyclohexanone	6.779	55	80270	168.97	ug/l	94
85) Camphene	6.869	93	393337	210.75	ug/l	93
86) 1,2,3-Trichloropropane	6.905	75	521185	92.80	ug/l	84
87) 2-Chlorotoluene	7.014	91	774825	59.91	ug/l	96
88) p-Ethyltoluene	7.008	105	1409532	31.16	ug/l	83
89) 4-Chlorotoluene	7.080	91	796156	81.60	ug/l	90
90) n-Propylbenzene	6.948	91	1695099	88.33	ug/l	94
91) Bromobenzene	6.905	77	813858	81.80	ug/l	90
92) 1,3,5-Trimethylbenzene	7.044	105	1113569	100.48	ug/l	85
93) Butyl methacrylate	7.062	41	680265	95.07	ug/l	54
94) t-Butylbenzene	7.248	119	1089847	91.93	ug/l	78
95) 1,2,4-Trimethylbenzene	7.278	105	1195854	91.43	ug/l	86
96) sec-Butylbenzene	7.381	105	1382585	92.09	ug/l	98
97) 4-Isopropyltoluene	7.459	119	1021435	81.96	ug/l	88
98) n-Butylbenzene	7.718	91	1190522	69.75	ug/l	93
99) p-Diethylbenzene	7.699	119	617222	35.74	ug/l	91
100) 1,2,4,5-Tetramethylben...	8.193	119	1000609	36.65	ug/l	88
101) 1,2-Dibromo-3-Chloropr...	8.253	157	98319	107.75	ug/l	57
102) Camphor	8.722	95	368776	2005.18	ug/l	92
103) Hexachlorobutadiene	8.873	225	333745	124.60	ug/l	95
104) 1,2,4-Trichlorobenzene	8.782	180	511670	109.09	ug/l	96
105) 1,2,3-Trichlorobenzene	9.107	180	475953	119.25	ug/l	96
106) Naphthalene	8.957	128	1004406	114.30	ug/l	100

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


Abundance
TIC: 2M63426.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 2M63426.D
Acq On : 02/25/11 09:18
Operator : DB
Sam Mult : 1 Vial# : 11
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63425.D Sam Mult : 1 Vial# : 10 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:02 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.308	96	282226	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.113	117	210058	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.508	152	117095	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.845	111	68345	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.17%			
38) 1,2-Dichloroethane-d4	4.091	67	45857	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
65) Toluene-d8	5.258	98	292085	30.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.00%			
75) Bromofluorobenzene	6.804	174	117372	33.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.191	51	1404513	385.73	ug/l	94
6) Dichlorodifluoromethane	1.191	85	778164	360.02	ug/l	88
7) Chloromethane	1.307	50	848626	316.04	ug/l	81
8) Bromomethane	1.574	94	266616	196.06	ug/l	84
9) Vinyl Chloride	1.374	62	623282	298.17	ug/l	95
10) Chloroethane	1.640	64	330144	252.41	ug/l	93
11) Trichlorofluoromethane	1.807	101	687966	275.48	ug/l	89
12) Ethyl ether	1.997	59	728612	213.12	ug/l	90
13) Furan	2.026	39	2190383	224.59	ug/l	97
14) 1,1,2-Trichloro-1,2,2-...	2.145	101	427049	235.29	ug/l	94
15) Methylene Chloride	2.500	84	826778	244.55	ug/l	91
16) Acrolein	2.095	56	579992	1155.05	ug/l	100
17) Acrylonitrile	2.677	53	293454	224.80	ug/l	92
18) Iodomethane	2.273	142	1097487	251.43	ug/l	90
19) Acetone	2.194	43	1176335	1037.45	ug/l	90
20) Carbon Disulfide	2.322	76	2366867	239.30	ug/l	100
21) t-Butyl Alcohol	2.569	59	312188	1052.91	ug/l	80
22) n-Hexane	2.884	57	626039	210.95	ug/l	71
23) Di-isopropyl-ether	3.052	45	2989512	226.33	ug/l	98
24) 1,1-Dichloroethene	2.155	61	1166495	241.34	ug/l	98
25) Methyl Acetate	2.421	43	716275	229.86	ug/l	100
26) Methyl-t-butyl ether	2.687	73	1609582	215.24	ug/l	66
27) 1,1-Dichloroethane	3.002	63	1549074	241.82	ug/l	99
28) trans-1,2-Dichloroethene	2.687	96	648776	231.61	ug/l	94
29) cis-1,2-Dichloroethene	3.466	61	1102731	218.78	ug/l	85
30) Bromochloromethane	3.664	49	753543	229.29	ug/l	69
31) 2,2-Dichloropropane	3.466	77	710325	174.08	ug/l	91
32) Ethyl acetate	3.520	43	910425	244.35	ug/l	100
33) 1,4-Dioxane	4.753	88	370006	11088.95	ug/l	77
34) 1,1-Dichloropropene	3.983	75	898261	211.33	ug/l	98
35) Chloroform	3.725	83	1206250	230.84	ug/l	90
37) Cyclohexane	3.905	56	1052576	234.09	ug/l	83
39) 1,2-Dichloroethane	4.140	62	963281	217.70	ug/l	97
40) 2-Butanone	3.478	43	355224	210.93	ug/l	96
41) 1,1,1-Trichloroethane	3.863	97	941892	219.50	ug/l	95
42) Carbon Tetrachloride	3.983	117	734191	227.34	ug/l	94
43) Vinyl Acetate	3.042	43	3155881	236.69	ug/l	100
44) Bromodichloromethane	4.831	83	1122024	236.30	ug/l	96
45) Methylcyclohexane	4.651	83	819544	199.97	ug/l	97
46) Dibromomethane	4.747	174	559037	215.70	ug/l	95
47) 1,2-Dichloropropane	4.675	63	911374	218.89	ug/l	92
48) Trichloroethene	4.537	130	722919	226.62	ug/l	94
49) Benzene	4.128	78	2626542	199.98	ug/l	100
50) tert-Amyl methyl ether	4.194	73	1915019	212.67	ug/l	71
52) Iso-propylacetate	4.164	43	1782362	269.00	ug/l	75
53) Methyl methacrylate	4.723	41	956980	261.61	ug/l	96
54) Dibromochloromethane	5.770	129	904921	255.37	ug/l	97
55) 2-Chloroethylvinylether	5.000	63	607295	240.90	ug/l	78
56) cis-1,3-Dichloropropene	5.096	75	1373263	228.76	ug/l	90
57) trans-1,3-Dichloropropene	5.421	75	1233792	234.92	ug/l	98
58) Ethyl methacrylate	5.457	41	1068802	254.85	ug/l	83
59) 1,1,2-Trichloroethane	5.535	97	709399	238.20	ug/l	87
60) 1,2-Dibromoethane	5.848	107	822545	251.93	ug/l	86
61) 1,3-Dichloropropane	5.637	76	1224483	223.87	ug/l	99
62) 4-Methyl-2-Pentanone	5.180	43	1077880	240.71	ug/l	93
63) 2-Hexanone	5.668	43	785431	227.45	ug/l	91
64) Tetrachloroethene	5.619	164	564075	205.98	ug/l	98
66) Toluene	5.301	92	1705654	213.90	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.173	133	605012	212.16	ug/l	66

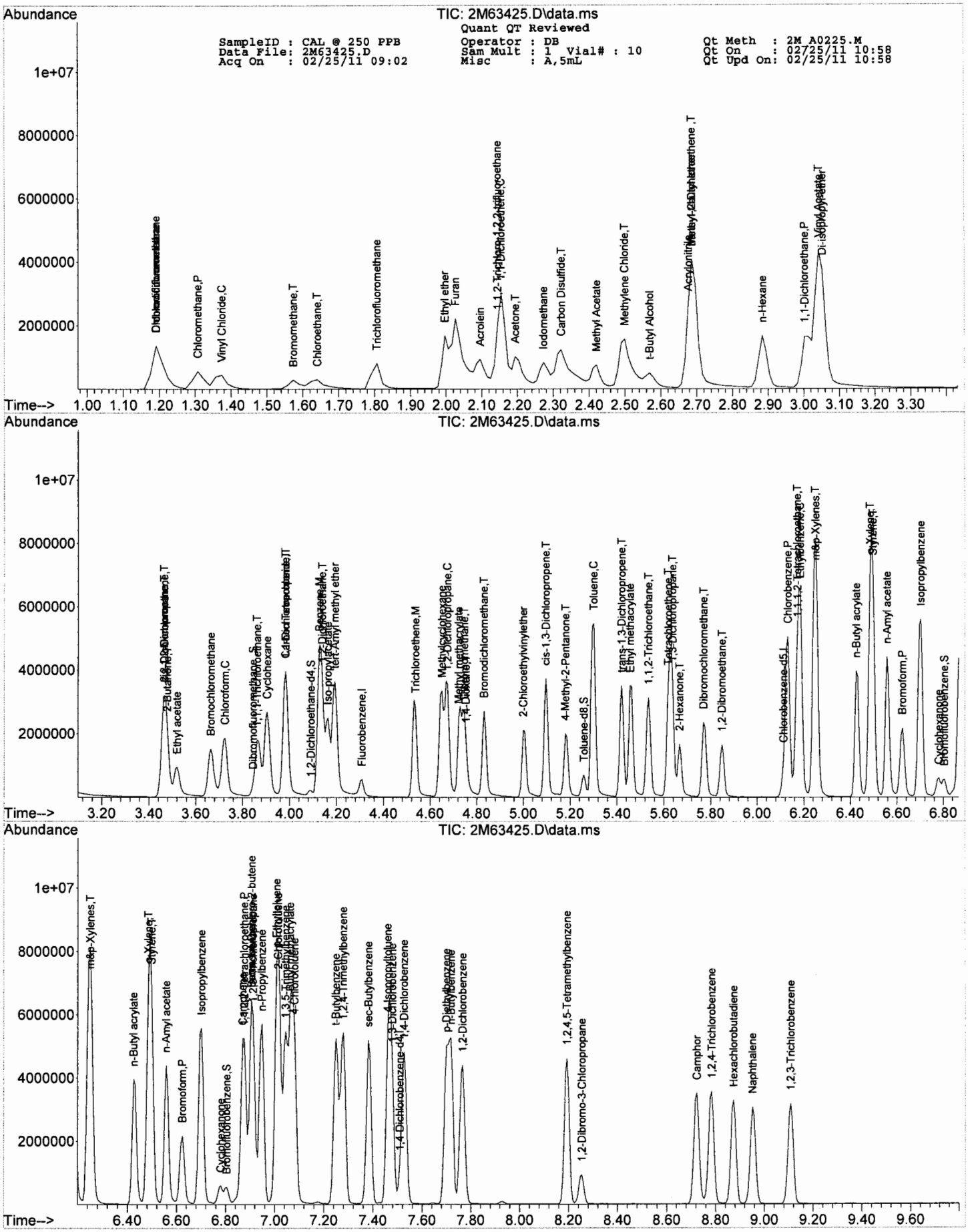
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63425.D Sam Mult : 1 Vial# : 10 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:02 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.131	112	1959796	224.73	ug/l	97
70)	n-Butyl acrylate	6.425	55	2051988	255.18	ug/l	97
71)	n-Amyl acetate	6.558	43	2052249	255.66	ug/l	91
72)	Bromoform	6.624	173	740378	269.18	ug/l	93
73)	Ethylbenzene	6.185	106	689314	165.89	ug/l	80
74)	1,1,2,2-Tetrachloroethane	6.877	83	872269	209.12	ug/l	90
76)	Styrene	6.498	104	1736035	180.33	ug/l	91
77)	m&p-Xylenes	6.251	106	1869310	316.98	ug/l	89
78)	o-Xylene	6.486	106	978727	168.19	ug/l	73
79)	trans-1,4-Dichloro-2-b...	6.907	53	226684	193.40	ug/l	20
80)	1,3-Dichlorobenzene	7.478	146	1337687	185.67	ug/l	88
81)	1,4-Dichlorobenzene	7.526	146	1604019	215.04	ug/l	93
82)	1,2-Dichlorobenzene	7.767	146	1573772	236.93	ug/l	89
83)	Isopropylbenzene	6.702	105	2915161	214.52	ug/l	93
84)	Cyclohexanone	6.780	55	192896	456.66	ug/l	97
85)	Camphene	6.871	93	834797	503.02	ug/l	97
86)	1,2,3-Trichloropropane	6.913	75	1025490	205.36	ug/l	84
87)	2-Chlorotoluene	7.015	91	1358520	118.14	ug/l	95
88)	p-Ethyltoluene	7.009	105	2596726	64.56	ug/l	83
89)	4-Chlorotoluene	7.081	91	1612239	185.83	ug/l	92
90)	n-Propylbenzene	6.949	91	3607995	211.44	ug/l	96
91)	Bromobenzene	6.907	77	1621835	183.32	ug/l	92
92)	1,3,5-Trimethylbenzene	7.045	105	2245017	227.83	ug/l	87
93)	Butyl methacrylate	7.063	41	1468479	230.80	ug/l	64
94)	t-Butylbenzene	7.250	119	2263501	214.72	ug/l	80
95)	1,2,4-Trimethylbenzene	7.280	105	2454532	211.05	ug/l	87
96)	sec-Butylbenzene	7.382	105	2911399	218.10	ug/l	98
97)	4-Isopropyltoluene	7.460	119	1976889	178.40	ug/l	90
98)	n-Butylbenzene	7.719	91	2515196	165.73	ug/l	94
99)	p-Diethylbenzene	7.701	119	1264544	82.36	ug/l	92
100)	1,2,4,5-Tetramethylben...	8.194	119	2106743	86.77	ug/l	89
101)	1,2-Dibromo-3-Chloropr...	8.254	157	240972	296.99	ug/l	55
102)	Camphor	8.723	95	723917	4426.78	ug/l	93
103)	Hexachlorobutadiene	8.874	225	695016	291.82	ug/l	95
104)	1,2,4-Trichlorobenzene	8.783	180	1079417	258.82	ug/l	96
105)	1,2,3-Trichlorobenzene	9.108	180	990228	279.01	ug/l	96
106)	Naphthalene	8.952	128	2149933	275.14	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 2M63425.D
Acq On : 02/25/11 09:02
Operator : DB
Sam Mult : 1 Vial# : 10
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63424.D Sam Mult : 1 Vial# : 9 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:47 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	289773	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	204920	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	110689	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.844	111	66196	28.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.53%			
38) 1,2-Dichloroethane-d4	4.090	67	44425	28.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.60%			
65) Toluene-d8	5.257	98	301747	32.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.07%			
75) Bromofluorobenzene	6.809	174	123978	37.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 123.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.197	51	2499448	668.55	ug/l	96
6) Dichlorodifluoromethane	1.181	85	1571306	708.04	ug/l	88
7) Chloromethane	1.314	50	1817481	659.23	ug/l	83
8) Bromomethane	1.563	94	278674m	199.59	ug/l	
9) Vinyl Chloride	1.364	62	1303162	607.18	ug/l	95
10) Chloroethane	1.630	64	591413	440.39	ug/l	93
11) Trichlorofluoromethane	1.796	101	1360241	530.50	ug/l	90
12) Ethyl ether	1.997	59	1246727	355.17	ug/l	95
13) Furan	2.027	39	4007907	400.25	ug/l	96
14) 1,1,2-Trichloro-1,2,2-...	2.145	101	694842	372.87	ug/l	96
15) Methylene Chloride	2.490	84	1497612	431.45	ug/l	81
16) Acrolein	2.096	56	1053622	2043.63	ug/l	99
17) Acrylonitrile	2.678	53	474547	354.06	ug/l	96
18) Iodomethane	2.273	142	1964586	438.36	ug/l	93
19) Acetone	2.204	43	2169046	1863.13	ug/l	89
20) Carbon Disulfide	2.313	76	4399345	433.20	ug/l	100
21) t-Butyl Alcohol	2.579	59	591959	1944.48	ug/l	78
22) n-Hexane	2.885	57	1127407	370.00	ug/l	70
23) Di-isopropyl-ether	3.052	45	4972422	366.64	ug/l	98
24) 1,1-Dichloroethene	2.155	61	1998811	402.77	ug/l	99
25) Methyl Acetate	2.421	43	1309362	409.25	ug/l	100
26) Methyl-t-butyl ether	2.688	73	2627887	342.27	ug/l	66
27) 1,1-Dichloroethane	3.003	63	2694217	409.63	ug/l	99
28) trans-1,2-Dichloroethene	2.688	96	1035064	359.88	ug/l	96
29) cis-1,2-Dichloroethene	3.465	61	1844863	356.48	ug/l	89
30) Bromochloromethane	3.663	49	1268507	375.94	ug/l	68
31) 2,2-Dichloropropane	3.471	77	1189513	283.92	ug/l	96
32) Ethyl acetate	3.519	43	1688303	441.33	ug/l	99
33) 1,4-Dioxane	4.758	88	609802	17799.58	ug/l	79
34) 1,1-Dichloropropene	3.982	75	1432911	328.33	ug/l	98
35) Chloroform	3.723	83	2131514	397.28	ug/l	87
37) Cyclohexane	3.904	56	1786567	386.97	ug/l	85
39) 1,2-Dichloroethane	4.145	62	1603431	352.94	ug/l	95
40) 2-Butanone	3.483	43	672160	388.73	ug/l	98
41) 1,1,1-Trichloroethane	3.868	97	1650384	374.59	ug/l	99
42) Carbon Tetrachloride	3.982	117	1178021	355.27	ug/l	94
43) Vinyl Acetate	3.042	43	5292549	386.59	ug/l	100
44) Bromodichloromethane	4.830	83	1924419	394.73	ug/l	94
45) Methylcyclohexane	4.650	83	1330638	316.22	ug/l	96
46) Dibromomethane	4.746	174	886801	333.26	ug/l	94
47) 1,2-Dichloropropane	4.674	63	1482767	346.85	ug/l	96
48) Trichloroethene	4.536	130	1161823	354.72	ug/l	95
49) Benzene	4.126	78	4081377	302.65	ug/l	100
50) tert-Amyl methyl ether	4.193	73	3195159	345.59	ug/l	72
52) Iso-propylacetate	4.163	43	3285428	508.29	ug/l	82
53) Methyl methacrylate	4.728	41	1591864	446.08	ug/l	98
54) Dibromochloromethane	5.775	129	1522033	440.29	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	1058551	430.43	ug/l	80
56) cis-1,3-Dichloropropene	5.095	75	2295761	392.03	ug/l	92
57) trans-1,3-Dichloropropene	5.420	75	2046300	399.40	ug/l	97
58) Ethyl methacrylate	5.462	41	1762249	430.74	ug/l	84
59) 1,1,2-Trichloroethane	5.540	97	1162701	400.19	ug/l	87
60) 1,2-Dibromoethane	5.847	107	1390918	436.69	ug/l	92
61) 1,3-Dichloropropane	5.636	76	1922908	360.38	ug/l	97
62) 4-Methyl-2-Pentanone	5.185	43	1931317	442.12	ug/l	94
63) 2-Hexanone	5.672	43	1409828	418.50	ug/l	89
64) Tetrachloroethene	5.624	164	834734	312.45	ug/l	100
66) Toluene	5.299	92	2633732	338.57	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.172	133	894981	321.72	ug/l	70

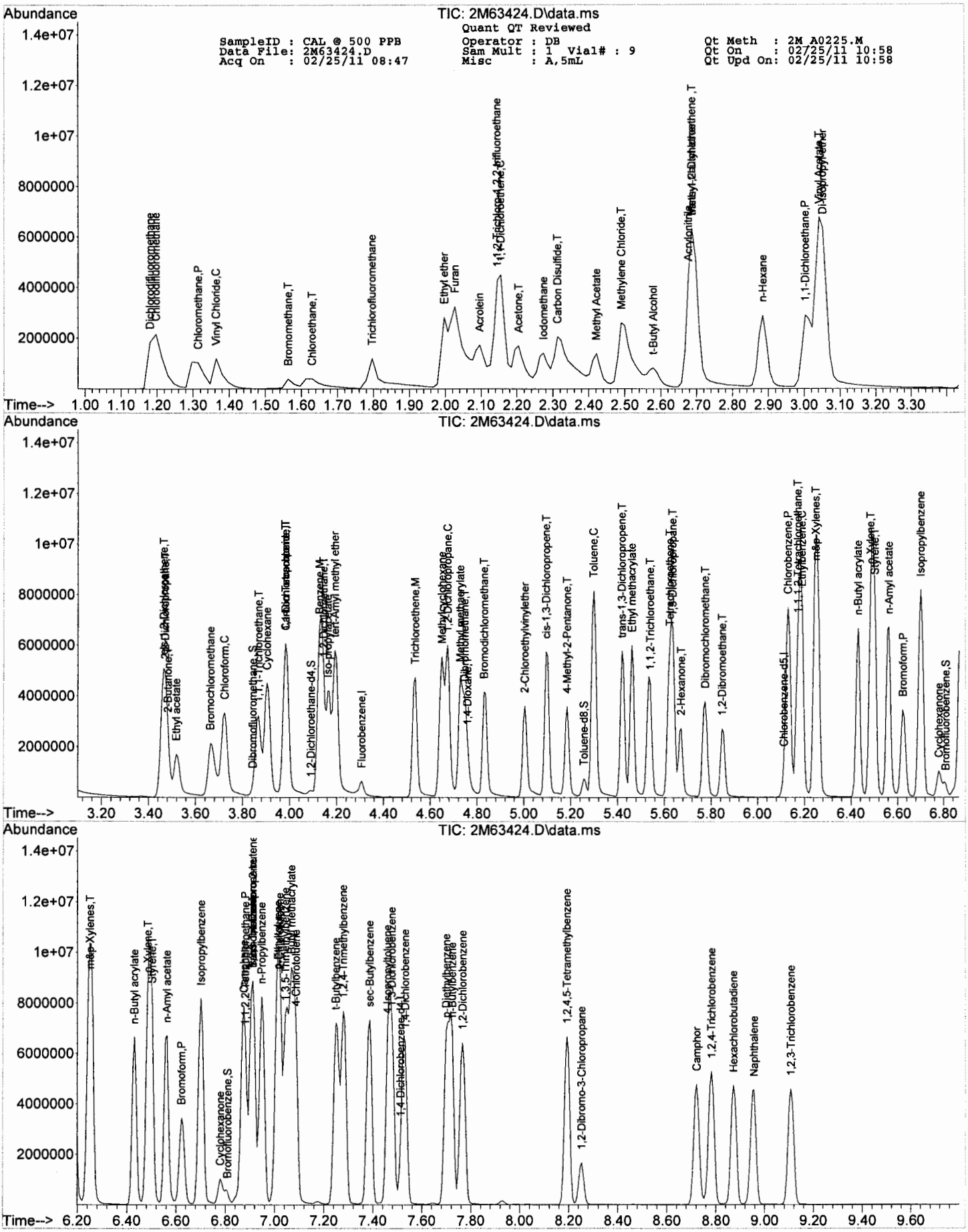
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63424.D Sam Mult : 1 Vial# : 9 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:47 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.130	112	2984861	350.86	ug/l	98
70)	n-Butyl acrylate	6.430	55	3368122	443.09	ug/l	98
71)	n-Amyl acetate	6.563	43	3458203	455.75	ug/l	93
72)	Bromoform	6.623	173	1274527	490.20	ug/l	95
73)	Ethylbenzene	6.190	106	859392	218.79	ug/l	83
74)	1,1,2,2-Tetrachloroethane	6.882	83	1287897	326.63	ug/l	92
76)	Styrene	6.503	104	2376640	261.15	ug/l	92
77)	m&p-Xylenes	6.250	106	2491773	446.98	ug/l	98
78)	o-Xylene	6.484	106	1362496	247.69	ug/l	76
79)	trans-1,4-Dichloro-2-b...	6.912	53	364580	329.06	ug/l	32
80)	1,3-Dichlorobenzene	7.477	146	1867363	274.19	ug/l	90
81)	1,4-Dichlorobenzene	7.531	146	2362332	335.04	ug/l	94
82)	1,2-Dichlorobenzene	7.766	146	2355522	375.14	ug/l	90
83)	Isopropylbenzene	6.701	105	4371821	340.32	ug/l	94
84)	Cyclohexanone	6.779	55	331498	830.21	ug/l	93
85)	Camphene	6.875	93	1271142	810.28	ug/l	99
86)	1,2,3-Trichloropropane	6.912	75	1522661	322.57	ug/l	84
87)	2-Chlorotoluene	7.020	91	1793861	165.02	ug/l	93
88)	p-Ethyltoluene	7.014	105	3646724	95.91	ug/l	77
89)	4-Chlorotoluene	7.086	91	2235952	272.64	ug/l	94
90)	n-Propylbenzene	6.948	91	5424805	336.32	ug/l	97
91)	Bromobenzene	6.912	77	2669325	319.18	ug/l	85
92)	1,3,5-Trimethylbenzene	7.044	105	3020229	324.24	ug/l	82
93)	Butyl methacrylate	7.068	41	2199724	365.74	ug/l	68
94)	t-Butylbenzene	7.248	119	3287735	329.93	ug/l	83
95)	1,2,4-Trimethylbenzene	7.279	105	3615597	328.88	ug/l	87
96)	sec-Butylbenzene	7.387	105	4470538	354.28	ug/l	100
97)	4-Isopropyltoluene	7.459	119	2740683	261.64	ug/l	92
98)	n-Butylbenzene	7.724	91	3753034	261.60	ug/l	94
99)	p-Diethylbenzene	7.700	119	1857322	127.96	ug/l	92
100)	1,2,4,5-Tetramethylben...	8.193	119	3220809	140.34	ug/l	89
101)	1,2-Dibromo-3-Chloropr...	8.253	157	417600	544.46	ug/l	57
102)	Camphor	8.722	95	1006119	6508.53	ug/l	93
103)	Hexachlorobutadiene	8.873	225	1058279	470.06	ug/l	96
104)	1,2,4-Trichlorobenzene	8.782	180	1643341	416.84	ug/l	96
105)	1,2,3-Trichlorobenzene	9.107	180	1489143	443.87	ug/l	95
106)	Naphthalene	8.957	128	3289752	445.38	ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 2M63424.D
Acq On : 02/25/11 08:47
Operator : DB
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63421.D Sam Mult : 1 Vial# : 6 Qt On : 02/25/11 10:58
Acq On : 02/25/11 07:55 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.312	96	291245	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.117	117	236211	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	144702	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.849	111	74419	31.39	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.63%		
38) 1,2-Dichloroethane-d4	4.090	67	43672	28.05	ug/l	0.00
Spiked Amount 30.000			Recovery =	93.50%		
65) Toluene-d8	5.263	98	295333	27.78	ug/l	0.00
Spiked Amount 30.000			Recovery =	92.60%		
75) Bromofluorobenzene	6.803	174	135130	31.00	ug/l	0.00
Spiked Amount 30.000			Recovery =	103.33%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.175	51	17432	4.64	ug/l	45
6) Dichlorodifluoromethane	1.191	85	3220	1.44	ug/l	92
7) Chloromethane	1.308	50	5735	2.07	ug/l	68
8) Bromomethane	1.591	94	1861	1.33	ug/l	85
9) Vinyl Chloride	1.374	62	3115	1.44	ug/l	91
10) Chloroethane	1.657	64	2142	1.59	ug/l	54
11) Trichlorofluoromethane	1.807	101	3100	1.20	ug/l	87
12) Ethyl ether	2.007	59	2941	0.83	ug/l	63
13) Furan	2.036	39	10371	1.03	ug/l	89
14) 1,1,2-Trichloro-1,2,2-...	2.154	101	1620	0.86	ug/l	83
15) Methylene Chloride	2.509	84	3953	1.13	ug/l	80
16) Acrolein	2.105	56	632	1.22	ug/l	100
17) Acrylonitrile	2.677	53	1469	1.09	ug/l	58
18) Iodomethane	2.283	142	5567	1.24	ug/l	73
19) Acetone	2.204	43	7928	6.78	ug/l	81
20) Carbon Disulfide	2.322	76	11149	1.09	ug/l	100
21) t-Butyl Alcohol	2.559	59	1381	4.51	ug/l	50
22) n-Hexane	2.894	57	1734	0.57	ug/l	82
23) Di-isopropyl-ether	3.052	45	12263	0.90	ug/l	100
24) 1,1-Dichloroethene	2.164	61	6074	1.22	ug/l	92
25) Methyl Acetate	2.431	43	3224	1.00	ug/l	100
26) Methyl-t-butyl ether	2.697	73	7242	0.94	ug/l	77
27) 1,1-Dichloroethane	3.012	63	6552	0.99	ug/l	97
28) trans-1,2-Dichloroethene	2.697	96	3492	1.21	ug/l	94
29) cis-1,2-Dichloroethene	3.476	61	5713	1.10	ug/l	93
30) Bromochloromethane	3.675	49	4016	1.18	ug/l	53
31) 2,2-Dichloropropane	3.464	77	2592	0.62	ug/l	43
32) Ethyl acetate	3.524	43	4140	1.08	ug/l	93
33) 1,4-Dioxane	4.770	88	1802	52.33	ug/l	84
34) 1,1-Dichloropropene	3.987	75	4613	1.05	ug/l	84
35) Chloroform	3.729	83	5670	1.05	ug/l	79
37) Cyclohexane	3.909	56	3413	0.74	ug/l	91
39) 1,2-Dichloroethane	4.144	62	4854	1.06	ug/l	66
40) 2-Butanone	3.500	43	1164	0.67	ug/l	56
41) 1,1,1-Trichloroethane	3.873	97	4216	0.95	ug/l	73
42) Carbon Tetrachloride	3.987	117	2574m	0.77	ug/l	
43) Vinyl Acetate	3.042	43	9152	0.67	ug/l	100
44) Bromodichloromethane	4.836	83	4770	0.97	ug/l	94
45) Methylcyclohexane	4.643	83	3145	0.74	ug/l	86
46) Dibromomethane	4.751	174	3481	1.30	ug/l	87
47) 1,2-Dichloropropane	4.673	63	4463	1.04	ug/l	67
48) Trichloroethene	4.535	130	4145	1.26	ug/l	95
49) Benzene	4.132	78	13905	1.03	ug/l	100
50) tert-Amyl methyl ether	4.198	73	7702m	0.83	ug/l	
52) Iso-propylacetate	4.168	43	5054	0.68	ug/l	97
53) Methyl methacrylate	4.733	41	3046	0.74	ug/l	81
54) Dibromochloromethane	5.774	129	3960	0.99	ug/l	100
55) 2-Chloroethylvinylether	5.004	63	2118	0.75	ug/l	96
56) cis-1,3-Dichloropropene	5.100	75	5311	0.79	ug/l	97
57) trans-1,3-Dichloropropene	5.419	75	5104	0.86	ug/l	98
58) Ethyl methacrylate	5.467	41	3199	0.68	ug/l	79
59) 1,1,2-Trichloroethane	5.533	97	3475	1.04	ug/l	90
60) 1,2-Dibromoethane	5.852	107	3480	0.95	ug/l	85
61) 1,3-Dichloropropane	5.636	76	6398	1.04	ug/l	99
62) 4-Methyl-2-Pentanone	5.185	43	2901	0.58	ug/l	82
63) 2-Hexanone	5.678	43	2199	0.57	ug/l	93
64) Tetrachloroethene	5.618	164	3820	1.24	ug/l	43
66) Toluene	5.299	92	10256	1.14	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.177	133	3220	1.00	ug/l	60

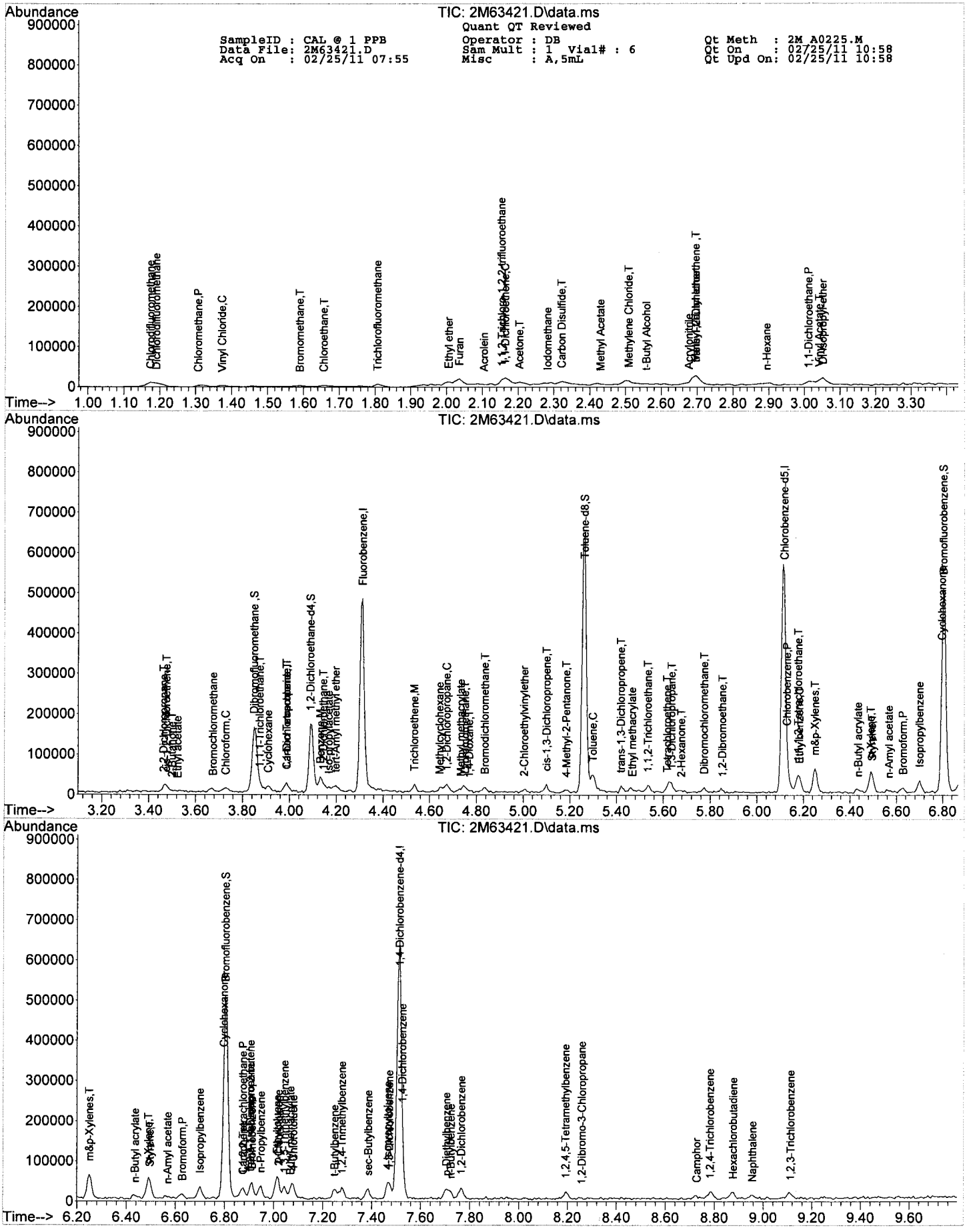
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63421.D Sam Mult : 1 Vial# : 6 Qt On : 02/25/11 10:58
Acq On : 02/25/11 07:55 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	Chlorobenzene	6.129	112	11323	1.15	ug/l		92
70)	n-Butyl acrylate	6.436	55	5195	0.52	ug/l		98
71)	n-Amyl acetate	6.568	43	4285	0.43	ug/l		75
72)	Bromoform	6.628	173	2967	0.87	ug/l		98
73)	Ethylbenzene	6.183	106	4618	0.90	ug/l		57
74)	1,1,2,2-Tetrachloroethane	6.875	83	4836	0.94	ug/l		94
76)	Styrene	6.496	104	10294	0.87	ug/l		84
77)	m&p-Xylenes	6.249	106	11537	1.58	ug/l		94
78)	o-Xylene	6.490	106	5644	0.78	ug/l		84
79)	trans-1,4-Dichloro-2-b...	6.905	53	1596	1.10	ug/l		67
80)	1,3-Dichlorobenzene	7.470	146	9047	1.02	ug/l		82
81)	1,4-Dichlorobenzene	7.525	146	9668	1.05	ug/l		87
82)	1,2-Dichlorobenzene	7.765	146	7962	0.97	ug/l		86
83)	Isopropylbenzene	6.700	105	12001	0.71	ug/l		86
84)	Cyclohexanone	6.797	55	1000m	1.92	ug/l		
85)	Camphene	6.875	93	3061	1.49	ug/l		77
86)	1,2,3-Trichloropropane	6.905	75	5150	0.83	ug/l		89
87)	2-Chlorotoluene	7.019	91	10871	0.76	ug/l		92
88)	p-Ethyltoluene	7.013	105	15156	0.30	ug/l		88
89)	4-Chlorotoluene	7.079	91	8381	0.78	ug/l		76
90)	n-Propylbenzene	6.947	91	17098	0.81	ug/l		99
91)	Bromobenzene	6.911	77	9487	0.87	ug/l		84
92)	1,3,5-Trimethylbenzene	7.043	105	11183	0.92	ug/l		91
93)	Butyl methacrylate	7.067	41	4717	0.60	ug/l		91
94)	t-Butylbenzene	7.248	119	8976	0.69	ug/l		76
95)	1,2,4-Trimethylbenzene	7.278	105	11443	0.80	ug/l		93
96)	sec-Butylbenzene	7.386	105	11990	0.73	ug/l		80
97)	4-Isopropyltoluene	7.464	119	10588	0.77	ug/l		85
98)	n-Butylbenzene	7.723	91	10458	0.56	ug/l		92
99)	p-Diethylbenzene	7.705	119	4502	0.24	ug/l		86
100)	1,2,4,5-Tetramethylben...	8.192	119	7403	0.25	ug/l		74
101)	1,2-Dibromo-3-Chloropr...	8.258	157	662	0.66	ug/l		36
102)	Camphor	8.728	95	1527	7.56	ug/l		70
103)	Hexachlorobutadiene	8.878	225	3932	1.34	ug/l		90
104)	1,2,4-Trichlorobenzene	8.782	180	5595	1.09	ug/l	#	89
105)	1,2,3-Trichlorobenzene	9.113	180	4288	0.98	ug/l	#	90
106)	Naphthalene	8.956	128	6370	0.66	ug/l		100

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


TIC: 2M63421.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 2M63421.D
Acq On : 02/25/11 07:55
Operator : DB
Sam Mult : 1 Vial# : 6
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63422.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:13 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.302	96	242068	30.00 ug/l	0.00
51) Chlorobenzene-d5	6.112	117	200023	30.00 ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.508	152	119710	30.00 ug/l	0.00
System Monitoring Compounds					
36) Dibromofluoromethane	3.839	111	62369	31.65 ug/l	-0.01
Spiked Amount 30.000			Recovery = 105.50%		
38) 1,2-Dichloroethane-d4	4.085	67	37653	29.10 ug/l	0.00
Spiked Amount 30.000			Recovery = 97.00%		
65) Toluene-d8	5.252	98	255575	28.39 ug/l	0.00
Spiked Amount 30.000			Recovery = 94.63%		
75) Bromofluorobenzene	6.804	174	106264	29.46 ug/l	0.00
Spiked Amount 30.000			Recovery = 98.20%		
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D.	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) Ethyl ether	0.000		0	N.D. d	
13) Furan	0.000		0	N.D. d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
15) Methylene Chloride	0.000		0	N.D. d	
16) Acrolein	0.000		0	N.D. d	
17) Acrylonitrile	0.000		0	N.D. d	
18) Iodomethane	0.000		0	N.D. d	
19) Acetone	0.000		0	N.D. d	
20) Carbon Disulfide	0.000		0	N.D. d	
21) t-Butyl Alcohol	0.000		0	N.D. d	
22) n-Hexane	0.000		0	N.D. d	
23) Di-isopropyl-ether	0.000		0	N.D. d	
24) 1,1-Dichloroethene	0.000		0	N.D. d	
25) Methyl Acetate	0.000		0	N.D. d	
26) Methyl-t-butyl ether	2.688	73	3314	0.52 ug/l	63
27) 1,1-Dichloroethane	0.000		0	N.D. d	
28) trans-1,2-Dichloroethene	0.000		0	N.D. d	
29) cis-1,2-Dichloroethene	0.000		0	N.D. d	
30) Bromochloromethane	0.000		0	N.D. d	
31) 2,2-Dichloropropane	0.000		0	N.D. d	
32) Ethyl acetate	0.000		0	N.D. d	
33) 1,4-Dioxane	0.000		0	N.D. d	
34) 1,1-Dichloropropene	0.000		0	N.D. d	
35) Chloroform	0.000		0	N.D. d	
37) Cyclohexane	0.000		0	N.D. d	
39) 1,2-Dichloroethane	4.133	62	2427m	0.64 ug/l	
40) 2-Butanone	0.000		0	N.D. d	
41) 1,1,1-Trichloroethane	0.000		0	N.D. d	
42) Carbon Tetrachloride	0.000		0	N.D. d	
43) Vinyl Acetate	0.000		0	N.D. d	
44) Bromodichloromethane	0.000		0	N.D. d	
45) Methylcyclohexane	0.000		0	N.D. d	
46) Dibromomethane	0.000		0	N.D. d	
47) 1,2-Dichloropropane	0.000		0	N.D. d	
48) Trichloroethene	0.000		0	N.D. d	
49) Benzene	4.121	78	6240	0.55 ug/l	100
50) tert-Amyl methyl ether	0.000		0	N.D. d	
52) Iso-propylacetate	0.000		0	N.D. d	
53) Methyl methacrylate	0.000		0	N.D. d	
54) Dibromochloromethane	0.000		0	N.D. d	
55) 2-Chloroethylvinylether	0.000		0	N.D. d	
56) cis-1,3-Dichloropropene	0.000		0	N.D. d	
57) trans-1,3-Dichloropropene	0.000		0	N.D. d	
58) Ethyl methacrylate	0.000		0	N.D. d	
59) 1,1,2-Trichloroethane	0.000		0	N.D. d	
60) 1,2-Dibromoethane	0.000		0	N.D. d	
61) 1,3-Dichloropropane	0.000		0	N.D. d	
62) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
63) 2-Hexanone	0.000		0	N.D. d	
64) Tetrachloroethene	0.000		0	N.D. d	
66) Toluene	0.000		0	N.D. d	
67) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	

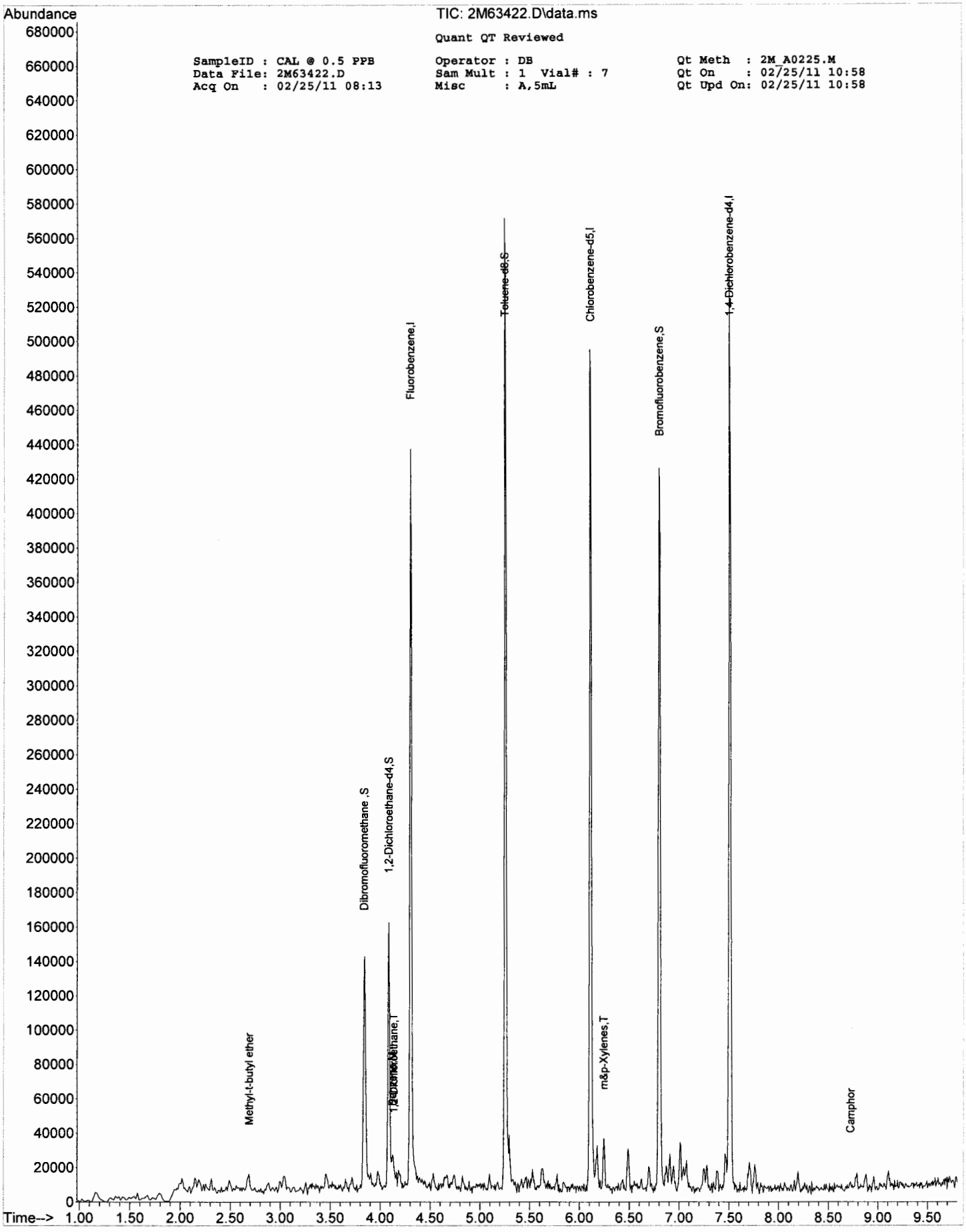
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63422.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:13 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	0.000		0	N.D. d	
70)	n-Butyl acrylate	0.000		0	N.D. d	
71)	n-Amyl acetate	0.000		0	N.D. d	
72)	Bromoform	0.000		0	N.D. d	
73)	Ethylbenzene	0.000		0	N.D. d	
74)	1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
76)	Styrene	0.000		0	N.D. d	
77)	m&p-Xylenes	6.245	106	5467	0.91 ug/l	77
78)	o-Xylene	0.000		0	N.D. d	
79)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
80)	1,3-Dichlorobenzene	0.000		0	N.D. d	
81)	1,4-Dichlorobenzene	0.000		0	N.D. d	
82)	1,2-Dichlorobenzene	0.000		0	N.D. d	
83)	Isopropylbenzene	0.000		0	N.D. d	
84)	Cyclohexanone	0.000		0	N.D. d	
85)	Camphene	0.000		0	N.D. d	
86)	1,2,3-Trichloropropane	0.000		0	N.D. d	
87)	2-Chlorotoluene	0.000		0	N.D. d	
88)	p-Ethyltoluene	0.000		0	N.D. d	
89)	4-Chlorotoluene	0.000		0	N.D. d	
90)	n-Propylbenzene	0.000		0	N.D. d	
91)	Bromobenzene	0.000		0	N.D. d	
92)	1,3,5-Trimethylbenzene	0.000		0	N.D. d	
93)	Butyl methacrylate	0.000		0	N.D. d	
94)	t-Butylbenzene	0.000		0	N.D. d	
95)	1,2,4-Trimethylbenzene	0.000		0	N.D. d	
96)	sec-Butylbenzene	0.000		0	N.D. d	
97)	4-Isopropyltoluene	0.000		0	N.D. d	
98)	n-Butylbenzene	0.000		0	N.D. d	
99)	p-Diethylbenzene	0.000		0	N.D. d	
100)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
101)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d	
102)	Camphor	8.723	95	1066	6.38 ug/l #	45
103)	Hexachlorobutadiene	0.000		0	N.D. d	
104)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
105)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
106)	Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 2M63422.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 2M63422.D
Acq On : 02/25/11 08:13
Operator : DB
Sam Mult : 1 Vial# : 7
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Methyl-t-butyl ether
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65417.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/11/2011 10:15:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.62	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.45	13.39				0.622			
Dichlorodifluoromethane	1	0		1.44	14.43	20			0.362	0.261	27.85	
Chloromethane	1	0	CP	1.59	18.67	20	0.1		0.372	0.348	6.65	
Bromomethane	1	0		1.92	12.24	20			0.144	0.124	38.80	
Vinyl Chloride	1	0	CC	1.66	18.90	20	20		0.275	0.260	5.50	
Chloroethane	1	0		2.00	19.29	20			0.173	0.167	3.55	
Trichlorofluoromethane	1	0		2.20	20.79	20			0.222	0.231	3.95	
Ethyl ether	1	0		2.41	17.85	20			0.263	0.235	10.75	
Furan	1	0		2.43	17.62	20			0.953	0.840	11.90	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.60	14.91	20			0.144	0.134	25.45	
Methylene Chloride	1	0		2.94	18.52	20			0.347	0.321	7.40	
Acrolein	1	0		2.48	53.96	100			0.052	0.028	46.04	
Acrylonitrile	1	0		3.11	19.47	20			0.137	0.134	2.65	
Iodomethane	1	0		2.70	11.97	20			0.222	0.219	40.15	
Acetone	1	0		2.60	96.36	100			0.145	0.140	3.64	
Carbon Disulfide	1	0		2.76	31.37	20			0.584	0.969	56.85	
t-Butyl Alcohol	1	0		3.01	93.96	100			0.024	0.023	6.04	
n-Hexane	1	0		3.38	13.33	20			0.256	0.194	33.35	
Di-isopropyl-ether	1	0		3.54	22.05	20			1.394	1.513	10.25	
1.1-Dichloroethene	1	0	CC	2.58	19.41	20	20		0.528	0.512	2.95	
Methyl Acetate	1	0		2.86	19.05	20			0.403	0.384	4.75	
Methyl-t-butyl ether	1	0		3.16	21.17	20			0.628	0.685	5.85	
1.1-Dichloroethane	1	0	CP	3.49	20.14	20	0.1		0.633	0.637	0.70	
trans-1.2-Dichloroethene	1	0		3.17	19.86	20			0.267	0.265	0.70	
cis-1.2-Dichloroethene	1	0		3.92	19.34	20			0.617	0.597	3.30	
Bromochloromethane	1	0		4.08	19.51	20			0.368	0.359	2.45	
2.2-Dichloropropane	1	0		3.94	6.92	20			0.314	0.121	65.40	
Ethyl acetate	1	0		3.96	20.85				0.483			
1.4-Dioxane	1	0		4.99	1049.80	1000			0.003	0.003	4.98	
1.1-Dichloropropene	1	0		4.36	21.29	20			0.387	0.412	6.45	
Chloroform	1	0	CC	4.13	19.53	20	20		0.521	0.509	2.35	
Dibromofluoromethane	1	0	S	4.23	29.06	30			0.273	0.265	3.13	
Cyclohexane	1	0		4.31	19.61	20			0.405	0.429	1.95	
1.2-Dichloroethane-d4	1	0	S	4.43	28.29	30			0.193	0.182	5.70	
1.2-Dichloroethane	1	0		4.48	20.79	20			0.464	0.482	3.95	
2-Butanone	1	0		3.92	19.64	20			0.173	0.170	1.80	
1.1.1-Trichloroethane	1	0		4.26	19.52	20			0.351	0.342	2.40	
Carbon Tetrachloride	1	0		4.36	19.18	20			0.259	0.249	4.10	
Vinyl Acetate	1	0		3.54	27.29	20			0.807	1.209	36.45	
Bromodichloromethane	1	0		5.07	20.73	20			0.379	0.393	3.65	
Methylcyclohexane	1	0		4.93	18.55	20			0.244	0.248	7.25	
Dibromomethane	1	0		4.99	19.87	20			0.121	0.134	0.65	
1.2-Dichloropropane	1	0	CC	4.93	21.66	20	20		0.326	0.353	8.30	
Trichloroethene	1	0		4.81	20.69	20			0.234	0.242	3.45	
Benzene	1	0		4.48	22.20	20			1.089	1.209	11.00	
tert-Amyl methyl ether	1	0		4.52	23.80	20			0.680	0.799	19.00	
Chlorobenzene-d5	1	0	I	6.18	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.48	20.58				1.186			
Methyl methacrylate	1	0		4.97	18.42				0.690			
Dibromochloromethane	1	0		5.87	17.36	20			0.390	0.338	13.20	
2-Chloroethylvinylether	1	0		5.20	15.90	20			0.312	0.299	20.50	
cis-1.3-Dichloropropene	1	0		5.29	15.02	20			0.683	0.574	24.90	
trans-1.3-Dichloropropene	1	0		5.56	13.57	20			0.576	0.452	32.15	
Ethyl methacrylate	1	0		5.59	18.22				0.715			
1.1.2-Trichloroethane	1	0		5.66	17.84	20			0.373	0.333	10.80	
1.2-Dibromoethane	1	0		5.94	17.80	20			0.371	0.330	11.00	
1.3-Dichloropropane	1	0		5.75	19.49	20			0.678	0.661	2.55	
4-Methyl-2-Pentanone	1	0		5.35	16.49	20			0.705	0.675	17.55	
2-Hexanone	1	0		5.77	17.50	20			0.484	0.458	12.50	
Tetrachloroethene	1	0		5.76	16.73	20			0.265	0.222	16.35	
Toluene-d8	1	0	S	5.44	28.85	30			1.485	1.428	3.83	
Toluene	1	0	CC	5.47	19.40	20	20		1.003	0.973	3.00	
1.1.1.2-Tetrachloroethane	1	0		6.23	18.12	20			0.299	0.271	9.40	
Chlorobenzene	1	0	CP	6.19	19.00	20	0.3		1.010	0.960	5.00	
1.4-Dichlorobenzene-d4	1	0	I	7.41	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.44	18.17				2.151			
n-Amyl acetate	1	0		6.56	19.04				2.607			
Bromoform	1	0	CP	6.62	16.36	20	0.1		0.544	0.445	18.20	
Ethylbenzene	1	0	CC	6.24	20.57	20	20		1.038	1.068	2.85	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65417.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/11/2011 10:15:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.83	17.82	20	0.3		1.170	1.042	10.90	
Bromofluorobenzene	1	0	S	6.78	28.85	30			0.822	0.790	3.83	
Styrene	1	0		6.51	21.98	20			2.145	2.310	9.90	
m&p-Xylenes	1	0		6.30	43.74	40			1.202	1.296	9.35	
o-Xylene	1	0		6.51	22.15	20			1.207	1.270	10.75	
trans-1.4-Dichloro-2-butene	1	0		6.86	15.48	20			0.539	0.417	22.60	
1.3-Dichlorobenzene	1	0		7.38	19.45	20			1.348	1.311	2.75	
1.4-Dichlorobenzene	1	0		7.43	17.64	20			1.510	1.332	11.80	
1.2-Dichlorobenzene	1	0		7.64	17.78	20			1.389	1.235	11.10	
Isopropylbenzene	1	0		6.69	20.68	20			2.907	3.038	3.40	
Cyclohexanone	1	0		6.75	93.69				0.044			
Camphene	1	0		6.86	18.60	20			0.805	0.799	7.00	
1.2.3-Trichloropropane	1	0		6.86	18.50	20			1.317	1.218	7.50	
2-Chlorotoluene	1	0		6.97	21.39	20			2.738	2.928	6.95	
p-Ethyltoluene	1	0		6.97	19.84				3.308			
4-Chlorotoluene	1	0		7.03	20.16	20			2.668	2.689	0.80	
n-Propylbenzene	1	0		6.91	20.51	20			3.897	3.995	2.55	
Bromobenzene	1	0		6.88	19.76	20			2.360	2.332	1.20	
1.3.5-Trimethylbenzene	1	0		7.00	21.76	20			2.396	2.466	8.80	
Butyl methacrylate	1	0		7.01	22.28				2.127			
t-Butylbenzene	1	0		7.18	19.94	20			2.008	2.061	0.30	
1.2.4-Trimethylbenzene	1	0		7.21	21.19	20			2.480	2.570	5.95	
sec-Butylbenzene	1	0		7.30	19.94	20			2.637	2.723	0.30	
4-Isopropyltoluene	1	0		7.37	19.27	20			1.936	2.026	3.65	
n-Butylbenzene	1	0		7.60	19.91	20			2.519	2.462	0.45	
p-Diethylbenzene	1	0		7.58	18.37				1.062			
1.2.4.5-Tetramethylbenzene	1	0		8.03	17.52				1.815			
1.2-Dibromo-3-Chloropropane	1	0		8.07	15.28	20			0.160	0.138	23.60	
Camphor	1	0		8.49	187.54	200			0.069	0.070	6.23	
Hexachlorobutadiene	1	0		8.65	13.91	20			0.256	0.178	30.45	
1.2.4-Trichlorobenzene	1	0		8.55	16.73	20			0.724	0.606	16.35	
1.2.3-Trichlorobenzene	1	0		8.85	16.81	20			0.660	0.555	15.95	
Naphthalene	1	0		8.70	16.78	20			1.869	1.752	16.10	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65417.D Sam Mult : 1 Vial# : 3 Qt On : 02/11/11 10:31
Acq On : 02/11/11 10:15 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	123527	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.178	117	83807	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.410	152	37127	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	32718	29.06	ug/l	-0.02
Spiked Amount 30.000			Recovery =	96.87%		
38) 1,2-Dichloroethane-d4	4.428	67	22462	28.29	ug/l	-0.02
Spiked Amount 30.000			Recovery =	94.30%		
65) Toluene-d8	5.438	98	119672	28.85	ug/l	-0.01
Spiked Amount 30.000			Recovery =	96.17%		
75) Bromofluorobenzene	6.785	174	29342	28.85	ug/l	-0.01
Spiked Amount 30.000			Recovery =	96.17%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.453	51	34268	13.39	ug/l	96
6) Dichlorodifluoromethane	1.442	85	21487	14.43	ug/l	85
7) Chloromethane	1.592	50	28632	18.67	ug/l	75
8) Bromomethane	1.920	94	10171	12.24	ug/l	82
9) Vinyl Chloride	1.661	62	21430	18.90	ug/l	97
10) Chloroethane	2.000	64	13759	19.29	ug/l	95
11) Trichlorofluoromethane	2.196	101	18983	20.79	ug/l	93
12) Ethyl ether	2.409	59	19340	17.85	ug/l	85
13) Furan	2.433	39	69140	17.62	ug/l	75
14) 1,1,2-Trichloro-1,2,2-...	2.595	101	11069	14.91	ug/l	87
15) Methylene Chloride	2.938	84	26437	18.52	ug/l	67
16) Acrolein	2.481	56	11580	53.96	ug/l	97
17) Acrylonitrile	3.112	53	11017	19.47	ug/l	87
18) Iodomethane	2.703	142	18061	11.97	ug/l	86
19) Acetone	2.601	43	57492	96.36	ug/l	98
20) Carbon Disulfide	2.763	76	79810	31.37	ug/l	100
21) t-Butyl Alcohol	3.010	59	9400	93.96	ug/l	90
22) n-Hexane	3.383	57	15983	13.33	ug/l	95
23) Di-isopropyl-ether	3.539	45	124583	22.05	ug/l	96
24) 1,1-Dichloroethene	2.583	61	42179	19.41	ug/l	93
25) Methyl Acetate	2.860	43	31583	19.05	ug/l	100
26) Methyl-t-butyl ether	3.160	73	56448	21.17	ug/l	75
27) 1,1-Dichloroethane	3.491	63	52445	20.14	ug/l	97
28) trans-1,2-Dichloroethene	3.166	96	21804	19.86	ug/l	89
29) cis-1,2-Dichloroethene	3.924	61	49146	19.34	ug/l	98
30) Bromochloromethane	4.080	49	29603m	19.51	ug/l	
31) 2,2-Dichloropropane	3.936	77	9990	6.92	ug/l	81
32) Ethyl acetate	3.960	43	41482	20.85	ug/l	87
33) 1,4-Dioxane	4.994	88	10787	1049.80	ug/l	64
34) 1,1-Dichloropropene	4.356	75	33893	21.29	ug/l	96
35) Chloroform	4.134	83	41916	19.53	ug/l	85
37) Cyclohexane	4.308	56	35353	19.61	ug/l	75
39) 1,2-Dichloroethane	4.477	62	39702	20.79	ug/l	92
40) 2-Butanone	3.924	43	13965	19.64	ug/l	85
41) 1,1,1-Trichloroethane	4.260	97	28190	19.52	ug/l	99
42) Carbon Tetrachloride	4.362	117	20489	19.18	ug/l	94
43) Vinyl Acetate	3.539	43	99536	27.29	ug/l	100
44) Bromodichloromethane	5.066	83	32329	20.73	ug/l	89
45) Methylcyclohexane	4.933	83	20429	18.55	ug/l	79
46) Dibromomethane	4.994	174	11003	19.87	ug/l	92
47) 1,2-Dichloropropane	4.927	63	29049	21.66	ug/l	95
48) Trichloroethene	4.813	130	19914	20.69	ug/l	85
49) Benzene	4.477	78	99532	22.20	ug/l	100
50) tert-Amyl methyl ether	4.525	73	65776	23.80	ug/l	65
52) Iso-propylacetate	4.483	43	68172	20.58	ug/l	87
53) Methyl methacrylate	4.969	41	38825	18.42	ug/l	83
54) Dibromochloromethane	5.871	129	18888	17.36	ug/l	97
55) 2-Chloroethylvinylether	5.204	63	16679	15.90	ug/l	80
56) cis-1,3-Dichloropropene	5.294	75	32074	15.02	ug/l	92
57) trans-1,3-Dichloropropene	5.565	75	25280	13.57	ug/l	99
58) Ethyl methacrylate	5.595	41	39947	18.22	ug/l	92
59) 1,1,2-Trichloroethane	5.661	97	18607	17.84	ug/l	90
60) 1,2-Dibromoethane	5.943	107	18453	17.80	ug/l	94
61) 1,3-Dichloropropane	5.751	76	36926	19.49	ug/l	96
62) 4-Methyl-2-Pentanone	5.354	43	37711	16.49	ug/l	94
63) 2-Hexanone	5.775	43	25602	17.50	ug/l	93
64) Tetrachloroethene	5.757	164	12399	16.73	ug/l	99
66) Toluene	5.474	92	54362	19.40	ug/l	97
67) 1,1,1,2-Tetrachloroethane	6.226	133	15126	18.12	ug/l	71

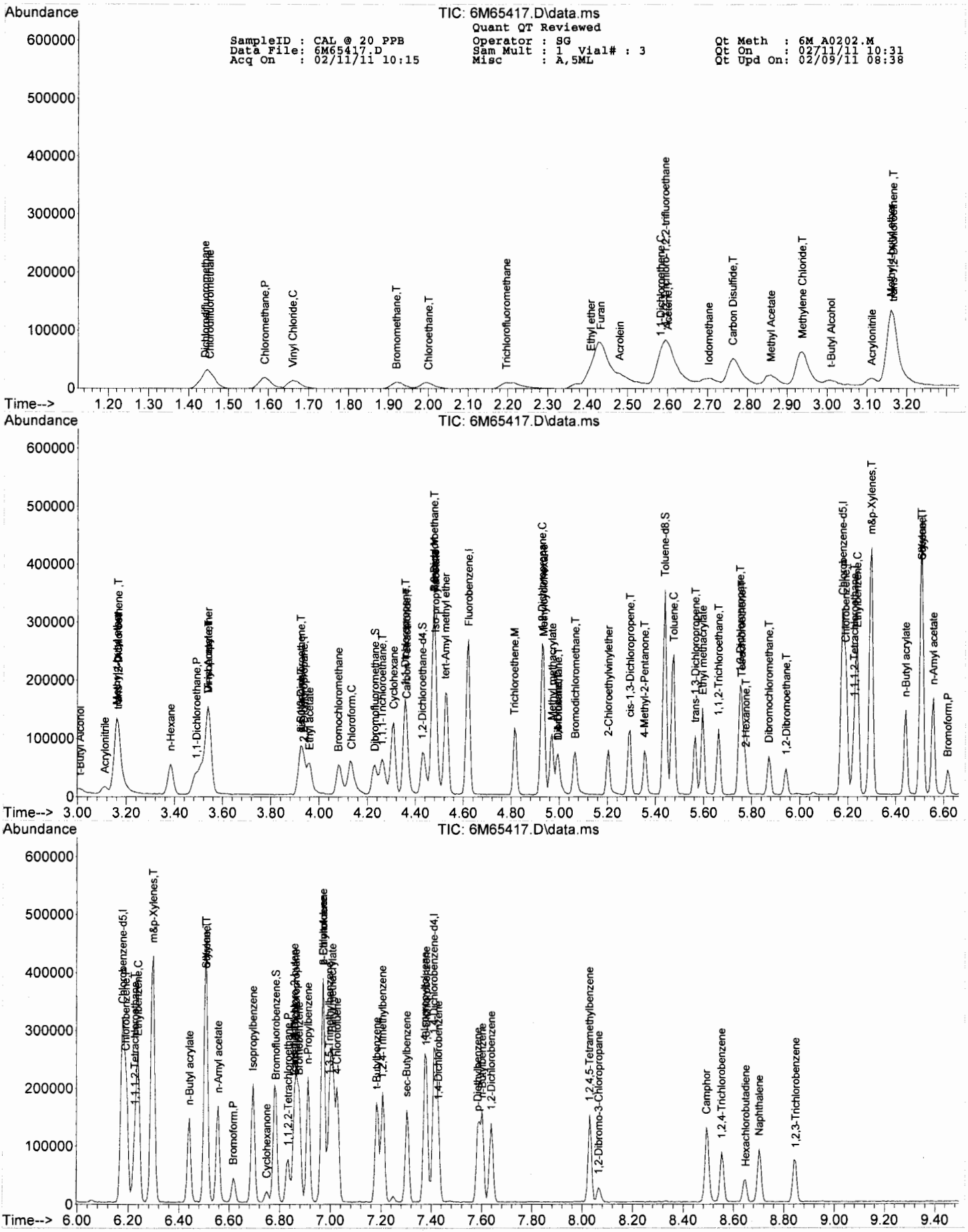
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65417.D Sam Mult : 1 Vial# : 3 Qt On : 02/11/11 10:31
Acq On : 02/11/11 10:15 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chlorobenzene	6.190	112	53619	19.00	ug/l	99
70) n-Butyl acrylate	6.442	55	56441	18.17	ug/l	93
71) n-Amyl acetate	6.556	43	64688	19.04	ug/l	96
72) Bromoform	6.617	173	11016	16.36	ug/l	97
73) Ethylbenzene	6.238	106	26432	20.57	ug/l	95
74) 1,1,2,2-Tetrachloroethane	6.833	83	25797	17.82	ug/l	87
76) Styrene	6.508	104	57175	21.98	ug/l	98
77) m&p-Xylenes	6.298	106	64153	43.74	ug/l	100
78) o-Xylene	6.508	106	31423	22.15	ug/l	86
79) trans-1,4-Dichloro-2-b...	6.857	53	10321	15.48	ug/l	96
80) 1,3-Dichlorobenzene	7.380	146	32455	19.45	ug/l	94
81) 1,4-Dichlorobenzene	7.428	146	32963	17.64	ug/l	95
82) 1,2-Dichlorobenzene	7.638	146	30561	17.78	ug/l	97
83) Isopropylbenzene	6.695	105	75198	20.68	ug/l	98
84) Cyclohexanone	6.749	55	5102	93.69	ug/l	91
85) Camphene	6.857	93	19788	18.60	ug/l	88
86) 1,2,3-Trichloropropane	6.863	75	30159	18.50	ug/l	81
87) 2-Chlorotoluene	6.971	91	72464	21.39	ug/l	92
88) p-Ethyltoluene	6.971	105	83092	19.84	ug/l	77
89) 4-Chlorotoluene	7.025	91	66568	20.16	ug/l	95
90) n-Propylbenzene	6.911	91	98887	20.51	ug/l	94
91) Bromobenzene	6.875	77	57722	19.76	ug/l	83
92) 1,3,5-Trimethylbenzene	6.995	105	61027	21.76	ug/l	95
93) Butyl methacrylate	7.007	41	58633	22.28	ug/l	94
94) t-Butylbenzene	7.182	119	51002	19.94	ug/l	89
95) 1,2,4-Trimethylbenzene	7.206	105	63599	21.19	ug/l	95
96) sec-Butylbenzene	7.302	105	67406	19.94	ug/l	91
97) 4-Isopropyltoluene	7.374	119	50138	19.27	ug/l	94
98) n-Butylbenzene	7.602	91	60928	19.91	ug/l	89
99) p-Diethylbenzene	7.584	119	25943	18.37	ug/l	97
100) 1,2,4,5-Tetramethylben...	8.029	119	45819	17.52	ug/l	97
101) 1,2-Dibromo-3-Chloropr...	8.065	157	3404	15.28	ug/l	99
102) Camphor	8.492	95	17343	187.54	ug/l	95
103) Hexachlorobutadiene	8.648	225	4400	13.91	ug/l	99
104) 1,2,4-Trichlorobenzene	8.552	180	14997	16.73	ug/l	95
105) 1,2,3-Trichlorobenzene	8.847	180	13737	16.81	ug/l	98
106) Naphthalene	8.702	128	43355	16.78	ug/l	100

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


Abundance
TIC: 6M65417.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65417.D
Acq On : 02/11/11 10:15
Operator : SG
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/11/11 10:31
Qt Upd On: 02/09/11 08:38
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65522.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/15/2011 1:38:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.62	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.46	15.78				0.622			
Dichlorodifluoromethane	1	0		1.45	14.40	20			0.362	0.260	28.00	
Chloromethane	1	0	CP	1.60	16.96	20	0.1		0.372	0.316	15.20	
Bromomethane	1	0		1.93	12.62	20			0.144	0.127	36.90	
Vinyl Chloride	1	0	CC	1.67	17.85	20	20		0.275	0.246	10.75	
Chloroethane	1	0		2.00	19.68	20			0.173	0.170	1.60	
Trichlorofluoromethane	1	0		2.21	29.47	20			0.222	0.327	47.35	
Ethyl ether	1	0		2.42	19.05	20			0.263	0.251	4.75	
Furan	1	0		2.45	20.14	20			0.953	0.960	0.70	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.61	15.48	20			0.144	0.140	22.60	
Methylene Chloride	1	0		2.94	20.04	20			0.347	0.347	0.20	
Acrolein	1	0		2.50	82.83	100			0.052	0.043	17.17	
Acrylonitrile	1	0		3.12	20.39	20			0.137	0.140	1.95	
Iodomethane	1	0		2.71	16.36	20			0.222	0.262	18.20	
Acetone	1	0		2.61	77.03	100			0.145	0.112	22.97	
Carbon Disulfide	1	0		2.78	31.90	20			0.584	0.986	59.50	
t-Butyl Alcohol	1	0		3.01	95.33	100			0.024	0.023	4.67	
n-Hexane	1	0		3.39	18.82	20			0.256	0.274	5.90	
Di-isopropyl-ether	1	0		3.55	23.63	20			1.394	1.622	18.15	
1.1-Dichloroethene	1	0	CC	2.60	17.66	20	20		0.528	0.466	11.70	
Methyl Acetate	1	0		2.87	19.15	20			0.403	0.385	4.25	
Methyl-t-butyl ether	1	0		3.17	21.82	20			0.628	0.706	9.10	
1.1-Dichloroethane	1	0	CP	3.50	22.76	20	0.1		0.633	0.720	13.80	
trans-1.2-Dichloroethene	1	0		3.17	23.23	20			0.267	0.310	16.15	
cis-1.2-Dichloroethene	1	0		3.93	22.06	20			0.617	0.681	10.30	
Bromochloromethane	1	0		4.09	22.82	20			0.368	0.420	14.10	
2.2-Dichloropropane	1	0		3.94	18.39	20			0.314	0.323	8.05	
Ethyl acetate	1	0		3.97	20.64				0.483			
1.4-Dioxane	1	0		4.99	1111.83	1000			0.003	0.003	11.18	
1.1-Dichloropropene	1	0		4.36	24.60	20			0.387	0.475	23.00	
Chloroform	1	0	CC	4.13	23.04	20	20		0.521	0.600	15.20	
Dibromofluoromethane	1	0	S	4.23	30.60	30			0.273	0.279	2.00	
Cyclohexane	1	0		4.31	21.79	20			0.405	0.477	8.95	
1.2-Dichloroethane-d4	1	0	S	4.43	28.38	30			0.193	0.182	5.40	
1.2-Dichloroethane	1	0		4.48	23.89	20			0.464	0.554	19.45	
2-Butanone	1	0		3.92	20.81	20			0.173	0.180	4.05	
1.1.1-Trichloroethane	1	0		4.27	24.55	20			0.351	0.431	22.75	
Carbon Tetrachloride	1	0		4.37	22.60	20			0.259	0.293	13.00	
Vinyl Acetate	1	0		3.55	30.37	20			0.807	1.345	51.85	
Bromodichloromethane	1	0		5.07	23.47	20			0.379	0.444	17.35	
Methylcyclohexane	1	0		4.93	21.91	20			0.244	0.293	9.55	
Dibromomethane	1	0		4.99	26.51	20			0.121	0.178	32.55	
1.2-Dichloropropane	1	0	CC	4.93	23.35	20	20		0.326	0.380	16.75	
Trichloroethene	1	0		4.82	23.32	20			0.234	0.273	16.60	
Benzene	1	0		4.48	24.86	20			1.089	1.354	24.30	
tert-Amyl methyl ether	1	0		4.53	22.71	20			0.680	0.762	13.55	
Chlorobenzene-d5	1	0	I	6.17	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.49	18.92				1.186			
Methyl methacrylate	1	0		4.97	17.27				0.690			
Dibromochloromethane	1	0		5.87	20.66	20			0.390	0.402	3.30	
2-Chloroethylvinylether	1	0		5.20	15.41	20			0.312	0.289	22.95	
cis-1.3-Dichloropropene	1	0		5.29	16.78	20			0.683	0.641	16.10	
trans-1.3-Dichloropropene	1	0		5.56	14.46	20			0.576	0.482	27.70	
Ethyl methacrylate	1	0		5.59	17.78				0.715			
1.1.2-Trichloroethane	1	0		5.66	20.20	20			0.373	0.377	1.00	
1.2-Dibromoethane	1	0		5.94	18.93	20			0.371	0.351	5.35	
1.3-Dichloropropane	1	0		5.75	20.46	20			0.678	0.694	2.30	
4-Methyl-2-Pentanone	1	0		5.35	15.83	20			0.705	0.648	20.85	
2-Hexanone	1	0		5.77	18.08	20			0.484	0.473	9.60	
Tetrachloroethene	1	0		5.76	21.74	20			0.265	0.288	8.70	
Toluene-d8	1	0	S	5.44	27.69	30			1.485	1.370	7.70	
Toluene	1	0	CC	5.47	21.06	20	20		1.003	1.056	5.30	
1.1.1.2-Tetrachloroethane	1	0		6.23	21.32	20			0.299	0.319	6.60	
Chlorobenzene	1	0	CP	6.19	20.48	20	0.3		1.010	1.034	2.40	
1.4-Dichlorobenzene-d4	1	0	I	7.41	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.44	15.61				2.151			
n-Amyl acetate	1	0		6.55	17.31				2.607			
Bromoform	1	0	CP	6.62	17.93	20	0.1		0.544	0.488	10.35	
Ethylbenzene	1	0	CC	6.24	20.19	20	20		1.038	1.048	0.95	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65522.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/15/2011 1:38:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.83	17.72	20	0.3		1.170	1.037	11.40	
Bromofluorobenzene	1	0	S	6.78	29.86	30			0.822	0.818	0.47	
Styrene	1	0		6.51	21.90	20			2.145	2.302	9.50	
m&p-Xylenes	1	0		6.29	45.15	40			1.202	1.338	12.88	
o-Xylene	1	0		6.50	22.51	20			1.207	1.290	12.55	
trans-1.4-Dichloro-2-butene	1	0		6.86	15.11	20			0.539	0.407	24.45	
1.3-Dichlorobenzene	1	0		7.37	21.48	20			1.348	1.448	7.40	
1.4-Dichlorobenzene	1	0		7.42	18.68	20			1.510	1.410	6.60	
1.2-Dichlorobenzene	1	0		7.64	19.29	20			1.389	1.340	3.55	
Isopropylbenzene	1	0		6.69	20.46	20			2.907	3.006	2.30	
Cyclohexanone	1	0		6.74	209.38				0.044			
Camphene	1	0		6.86	6.70	20			0.805	0.288	66.50	
1.2.3-Trichloropropane	1	0		6.86	18.42	20			1.317	1.213	7.90	
2-Chlorotoluene	1	0		6.97	23.64	20			2.738	3.235	18.20	
p-Ethyltoluene	1	0		6.97	52.46				3.308			
4-Chlorotoluene	1	0		7.03	21.56	20			2.668	2.877	7.80	
n-Propylbenzene	1	0		6.91	20.51	20			3.897	3.995	2.55	
Bromobenzene	1	0		6.87	18.23	20			2.360	2.151	8.85	
1.3.5-Trimethylbenzene	1	0		7.00	21.30	20			2.396	2.413	6.50	
Butyl methacrylate	1	0		7.01	20.61				2.127			
t-Butylbenzene	1	0		7.18	19.46	20			2.008	2.011	2.70	
1.2.4-Trimethylbenzene	1	0		7.21	21.63	20			2.480	2.622	8.15	
sec-Butylbenzene	1	0		7.30	19.30	20			2.637	2.636	3.50	
4-Isopropyltoluene	1	0		7.37	18.86	20			1.936	1.983	5.70	
n-Butylbenzene	1	0		7.60	26.56	20			2.519	3.284	32.80	
p-Diethylbenzene	1	0		7.58	50.86				1.062			
1.2.4.5-Tetramethylbenzene	1	0		8.03	46.04				1.815			
1.2-Dibromo-3-Chloropropane	1	0		8.07	14.91	20			0.160	0.134	25.45	
Camphor	1	0		8.49	44.85	200			0.069	0.017	77.58	
Hexachlorobutadiene	1	0		8.64	16.14	20			0.256	0.206	19.30	
1.2.4-Trichlorobenzene	1	0		8.55	16.32	20			0.724	0.591	18.40	
1.2.3-Trichlorobenzene	1	0		8.84	15.55	20			0.660	0.513	22.25	
Naphthalene	1	0		8.70	13.67	20			1.869	1.427	31.65	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65522.D Sam Mult : 1 Vial# : 5 Qt On : 02/15/11 14:11
Acq On : 02/15/11 13:38 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	169379	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.172	117	119863	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.410	152	57089	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	47240	30.60	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.00%			
38) 1,2-Dichloroethane-d4	4.435	67	30899	28.38	ug/l	-0.01
Spiked Amount 30.000			Recovery = 94.60%			
65) Toluene-d8	5.439	98	164223	27.69	ug/l	-0.01
Spiked Amount 30.000			Recovery = 92.30%			
75) Bromofluorobenzene	6.779	174	46687	29.86	ug/l	-0.02
Spiked Amount 30.000			Recovery = 99.53%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.465	51	55398	15.78	ug/l	91
6) Dichlorodifluoromethane	1.448	85	29396	14.40	ug/l	91
7) Chloromethane	1.603	50	35656	16.96	ug/l	78
8) Bromomethane	1.931	94	14381	12.62	ug/l	89
9) Vinyl Chloride	1.672	62	27744	17.85	ug/l	99
10) Chloroethane	2.000	64	19243	19.68	ug/l	97
11) Trichlorofluoromethane	2.213	101	36892	29.47	ug/l	89
12) Ethyl ether	2.421	59	28302	19.05	ug/l	88
13) Furan	2.445	39	108378	20.14	ug/l	73
14) 1,1,2-Trichloro-1,2,2-...	2.607	101	15766	15.48	ug/l	85
15) Methylene Chloride	2.944	84	39239	20.04	ug/l	73
16) Acrolein	2.499	56	24373	82.83	ug/l	95
17) Acrylonitrile	3.118	53	15823	20.39	ug/l	99
18) Iodomethane	2.710	142	29533	16.36	ug/l	86
19) Acetone	2.613	43	63019	77.03	ug/l	97
20) Carbon Disulfide	2.776	76	111358	31.90	ug/l	100
21) t-Butyl Alcohol	3.010	59	13078	95.33	ug/l	97
22) n-Hexane	3.395	57	30936	18.82	ug/l	98
23) Di-isopropyl-ether	3.545	45	183111	23.63	ug/l	96
24) 1,1-Dichloroethene	2.601	61	52612	17.66	ug/l	89
25) Methyl Acetate	2.866	43	43523	19.15	ug/l	100
26) Methyl-t-butyl ether	3.172	73	79774	21.82	ug/l	81
27) 1,1-Dichloroethane	3.497	63	81293	22.76	ug/l	100
28) trans-1,2-Dichloroethene	3.172	96	34977	23.23	ug/l	91
29) cis-1,2-Dichloroethene	3.930	61	76878	22.06	ug/l	96
30) Bromochloromethane	4.086	49	47464m	22.82	ug/l	
31) 2,2-Dichloropropane	3.942	77	36433	18.39	ug/l	98
32) Ethyl acetate	3.966	43	56311	20.64	ug/l	87
33) 1,4-Dioxane	4.994	88	15665	1111.83	ug/l	58
34) 1,1-Dichloropropene	4.357	75	53691	24.60	ug/l	94
35) Chloroform	4.134	83	67781	23.04	ug/l	83
37) Cyclohexane	4.309	56	53870	21.79	ug/l	76
39) 1,2-Dichloroethane	4.477	62	62553	23.89	ug/l	92
40) 2-Butanone	3.924	43	20291	20.81	ug/l	88
41) 1,1,1-Trichloroethane	4.267	97	48625	24.55	ug/l	96
42) Carbon Tetrachloride	4.369	117	33099	22.60	ug/l	92
43) Vinyl Acetate	3.545	43	151917	30.37	ug/l	100
44) Bromodichloromethane	5.066	83	50182	23.47	ug/l	93
45) Methylcyclohexane	4.934	83	33085	21.91	ug/l	78
46) Dibromomethane	4.994	174	20124	26.51	ug/l	92
47) 1,2-Dichloropropane	4.928	63	42928	23.35	ug/l	96
48) Trichloroethene	4.820	130	30787	23.32	ug/l	88
49) Benzene	4.477	78	152853	24.86	ug/l	100
50) tert-Amyl methyl ether	4.531	73	86071	22.71	ug/l	77
52) Iso-propylacetate	4.489	43	89623	18.92	ug/l	85
53) Methyl methacrylate	4.970	41	52054	17.27	ug/l	85
54) Dibromochloromethane	5.872	129	32148	20.66	ug/l	91
55) 2-Chloroethylvinylether	5.204	63	23123	15.41	ug/l	77
56) cis-1,3-Dichloropropene	5.288	75	51250	16.78	ug/l	90
57) trans-1,3-Dichloropropene	5.559	75	38507	14.46	ug/l	94
58) Ethyl methacrylate	5.595	41	55750	17.78	ug/l	92
59) 1,1,2-Trichloroethane	5.661	97	30133	20.20	ug/l	94
60) 1,2-Dibromoethane	5.944	107	28057	18.93	ug/l	93
61) 1,3-Dichloropropane	5.751	76	55462	20.46	ug/l	96
62) 4-Methyl-2-Pentanone	5.355	43	51806	15.83	ug/l	94
63) 2-Hexanone	5.769	43	37828	18.08	ug/l	92
64) Tetrachloroethene	5.757	164	23040	21.74	ug/l	92
66) Toluene	5.475	92	84397	21.06	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.226	133	25454	21.32	ug/l	71

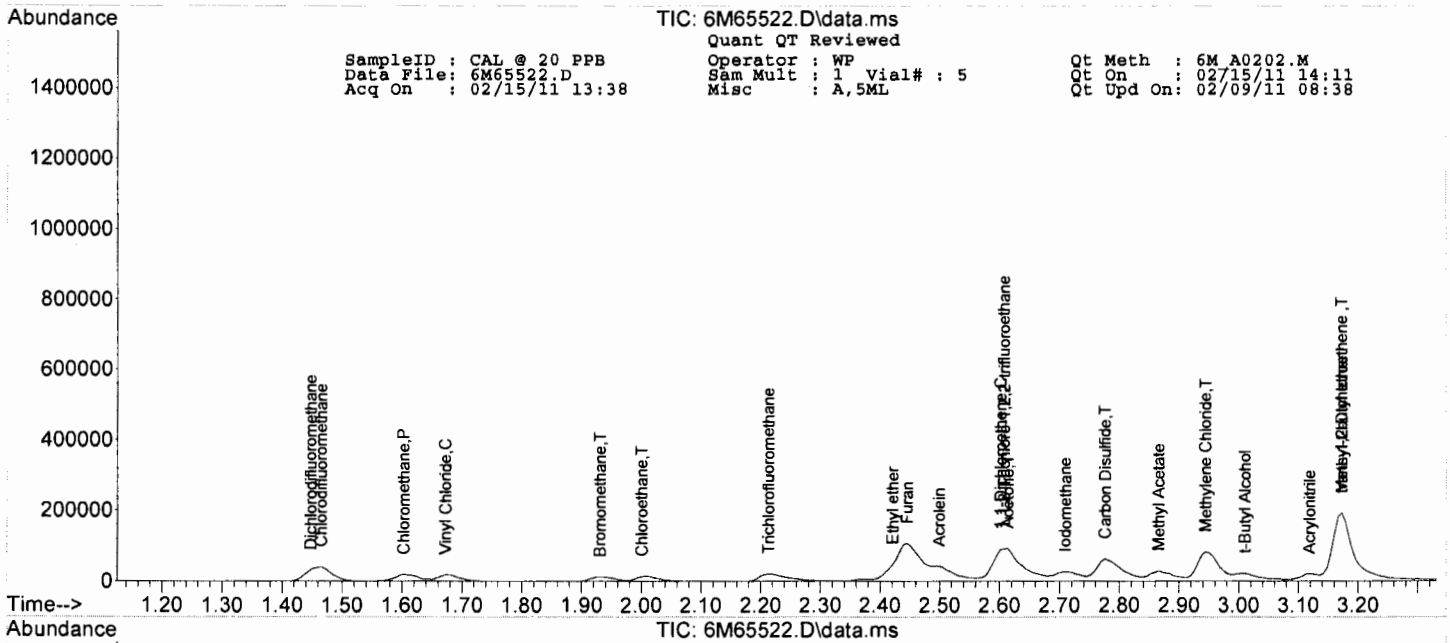
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65522.D Sam Mult : 1 Vial# : 5 Qt On : 02/15/11 14:11
Acq On : 02/15/11 13:38 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.190	112	82644	20.48	ug/l	100
70)	n-Butyl acrylate	6.437	55	74592	15.61	ug/l	93
71)	n-Amyl acetate	6.551	43	90417	17.31	ug/l	94
72)	Bromoform	6.617	173	18564	17.93	ug/l	97
73)	Ethylbenzene	6.238	106	39896	20.19	ug/l	96
74)	1,1,2,2-Tetrachloroethane	6.827	83	39463	17.72	ug/l	89
76)	Styrene	6.509	104	87609	21.90	ug/l	96
77)	m&p-Xylenes	6.292	106	101837	45.15	ug/l	98
78)	o-Xylene	6.503	106	49094	22.51	ug/l	86
79)	trans-1,4-Dichloro-2-b...	6.857	53	15497	15.11	ug/l	99
80)	1,3-Dichlorobenzene	7.374	146	55101	21.48	ug/l	91
81)	1,4-Dichlorobenzene	7.422	146	53662	18.68	ug/l	97
82)	1,2-Dichlorobenzene	7.639	146	50986	19.29	ug/l	95
83)	Isopropylbenzene	6.689	105	114410	20.46	ug/l	98
84)	Cyclohexanone	6.743	55	17533	209.38	ug/l	88
85)	Camphene	6.857	93	10954	6.70	ug/l	87
86)	1,2,3-Trichloropropane	6.863	75	46182	18.42	ug/l	82
87)	2-Chlorotoluene	6.972	91	123136	23.64	ug/l	88
88)	p-Ethyltoluene	6.966	105	337844	52.46	ug/l	78
89)	4-Chlorotoluene	7.026	91	109480	21.56	ug/l	94
90)	n-Propylbenzene	6.911	91	152064	20.51	ug/l	95
91)	Bromobenzene	6.869	77	81884	18.23	ug/l	90
92)	1,3,5-Trimethylbenzene	6.996	105	91838	21.30	ug/l	95
93)	Butyl methacrylate	7.008	41	83424	20.61	ug/l	95
94)	t-Butylbenzene	7.182	119	76538	19.46	ug/l	88
95)	1,2,4-Trimethylbenzene	7.206	105	99794	21.63	ug/l	94
96)	sec-Butylbenzene	7.302	105	100326	19.30	ug/l	94
97)	4-Isopropyltoluene	7.374	119	75455	18.86	ug/l	94
98)	n-Butylbenzene	7.597	91	124999	26.56	ug/l	69
99)	p-Diethylbenzene	7.585	119	110412m	50.86	ug/l	
100)	1,2,4,5-Tetramethylben...	8.030	119	185090	46.04	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.066	157	5106	14.91	ug/l	92
102)	Camphor	8.492	95	6377	44.85	ug/l	99
103)	Hexachlorobutadiene	8.643	225	7847	16.14	ug/l	95
104)	1,2,4-Trichlorobenzene	8.553	180	22505	16.32	ug/l	95
105)	1,2,3-Trichlorobenzene	8.841	180	19538	15.55	ug/l	98
106)	Naphthalene	8.703	128	54309	13.67	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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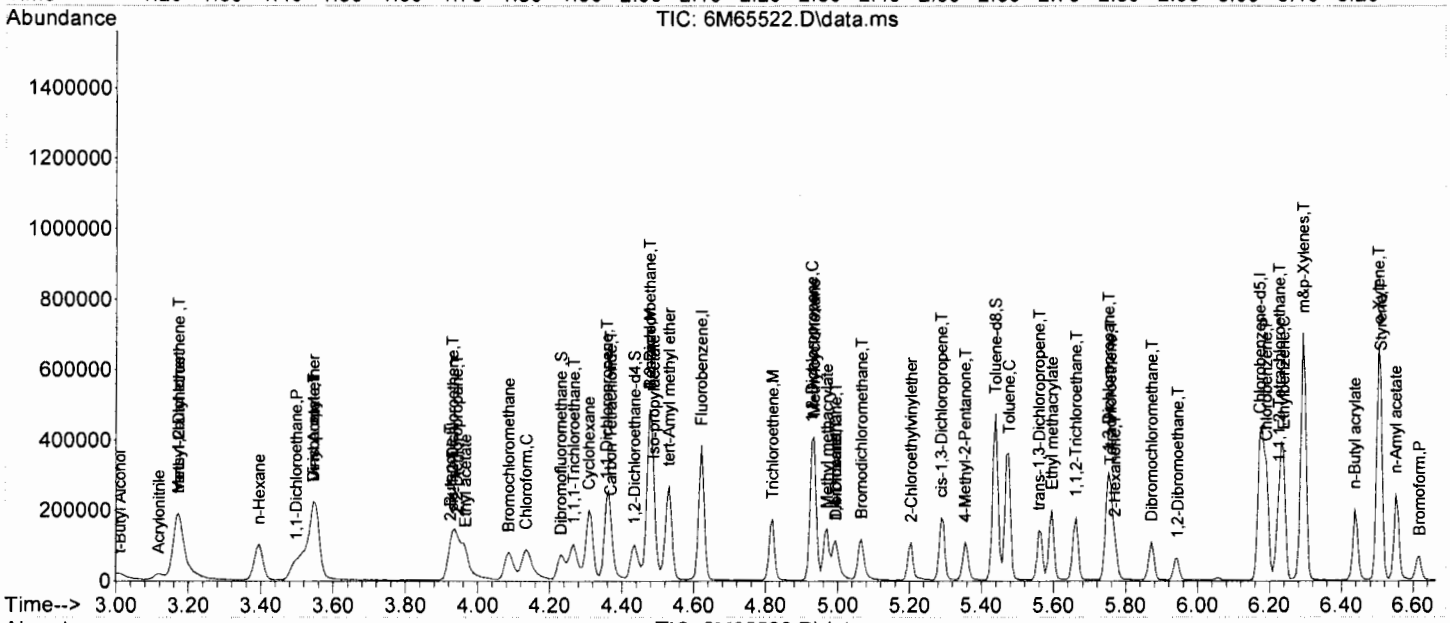
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65522.D
Acq On : 02/15/11 13:38
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 14:11
Qt Upd On: 02/09/11 08:38
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
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Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Ethyl acetate
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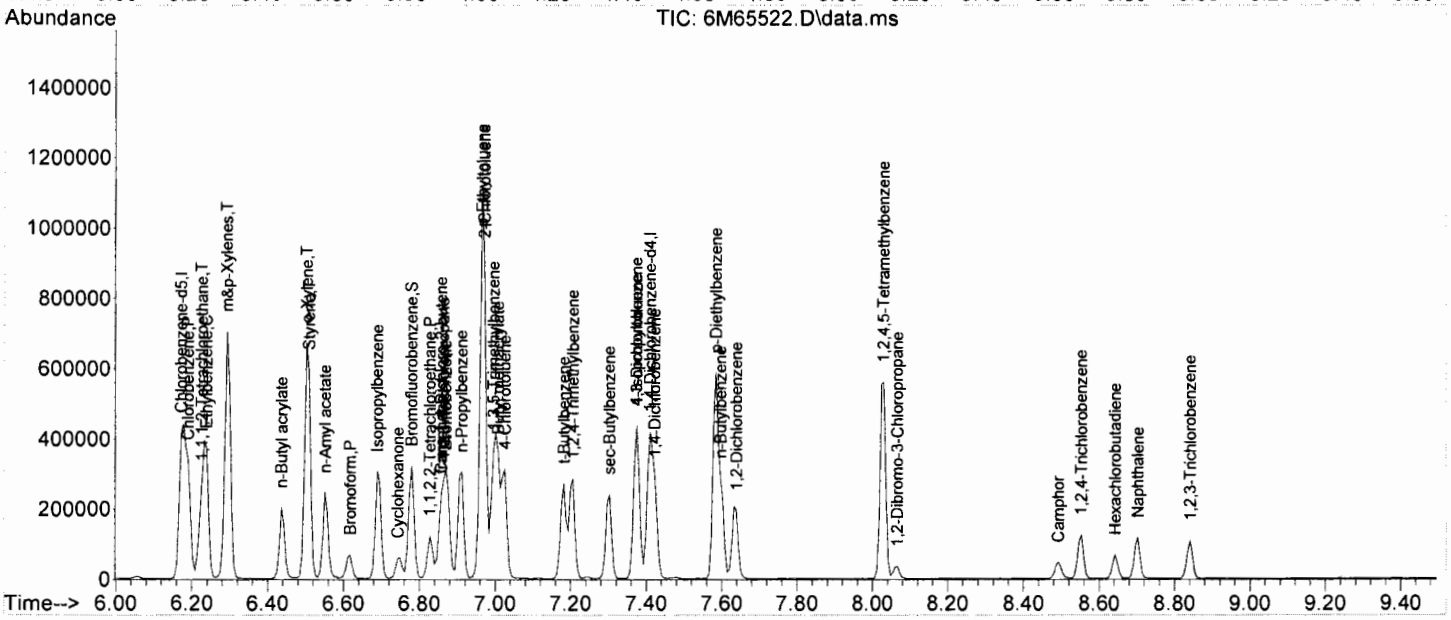
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65522.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4,5-Tetramethylbenzene
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65640.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/18/2011 4:42:00 P **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.63	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.44	22.23				0.622			
Dichlorodifluoromethane	1	0		1.43	16.50	20			0.362	0.298	17.50	
Chloromethane	1	0	CP	1.58	20.38	20	0.1		0.372	0.380	1.90	
Bromomethane	1	0		1.92	17.46	20			0.144	0.176	12.70	
Vinyl Chloride	1	0	CC	1.66	19.93	20	20		0.275	0.274	0.35	
Chloroethane	1	0		2.00	21.70	20			0.173	0.188	8.50	
Trichlorofluoromethane	1	0		2.20	28.86	20			0.222	0.320	44.30	
Ethyl ether	1	0		2.41	18.67	20			0.263	0.246	6.65	
Furan	1	0		2.44	18.31	20			0.953	0.872	8.45	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.60	16.60	20			0.144	0.150	17.00	
Methylene Chloride	1	0		2.95	19.21	20			0.347	0.333	3.95	
Acrolein	1	0		2.50	65.75	100			0.052	0.034	34.25	
Acrylonitrile	1	0		3.12	17.49	20			0.137	0.120	12.55	
Iodomethane	1	0		2.71	13.53	20			0.222	0.234	32.35	
Acetone	1	0		2.61	69.97	100			0.145	0.101	30.03	
Carbon Disulfide	1	0		2.78	15.44	20			0.584	0.453	22.80	
t-Butyl Alcohol	1	0		3.02	98.33	100			0.024	0.024	1.67	
n-Hexane	1	0		3.40	15.52	20			0.256	0.226	22.40	
Di-isopropyl-ether	1	0		3.56	22.05	20			1.394	1.513	10.25	
1.1-Dichloroethene	1	0	CC	2.60	16.42	20	20		0.528	0.433	17.90	
Methyl Acetate	1	0		2.87	17.65	20			0.403	0.355	11.75	
Methyl-t-butyl ether	1	0		3.17	21.91	20			0.628	0.709	9.55	
1.1-Dichloroethane	1	0	CP	3.50	22.31	20	0.1		0.633	0.706	11.55	
trans-1.2-Dichloroethene	1	0		3.17	23.52	20			0.267	0.314	17.60	
cis-1.2-Dichloroethene	1	0		3.94	20.58	20			0.617	0.635	2.90	
Bromochloromethane	1	0		4.09	22.35	20			0.368	0.412	11.75	
2.2-Dichloropropane	1	0		3.94	22.88	20			0.314	0.401	14.40	
Ethyl acetate	1	0		3.97	18.38				0.483			
1.4-Dioxane	1	0		5.01	1024.67	1000			0.003	0.003	2.47	
1.1-Dichloropropene	1	0		4.37	22.77	20			0.387	0.440	13.85	
Chloroform	1	0	CC	4.14	22.99	20	20		0.521	0.599	14.95	
Dibromofluoromethane	1	0	S	4.24	32.08	30			0.273	0.292	6.93	
Cyclohexane	1	0		4.32	19.82	20			0.405	0.434	0.90	
1.2-Dichloroethane-d4	1	0	S	4.44	31.77	30			0.193	0.204	5.90	
1.2-Dichloroethane	1	0		4.48	23.66	20			0.464	0.549	18.30	
2-Butanone	1	0		3.94	22.99	20			0.173	0.198	14.95	
1.1.1-Trichloroethane	1	0		4.27	24.15	20			0.351	0.424	20.75	
Carbon Tetrachloride	1	0		4.37	25.10	20			0.259	0.326	25.50	
Vinyl Acetate	1	0		3.53	24.25	20			0.807	1.074	21.25	
Bromodichloromethane	1	0		5.08	23.64	20			0.379	0.448	18.20	
Methylcyclohexane	1	0		4.95	19.79	20			0.244	0.265	1.05	
Dibromomethane	1	0		5.01	28.11	20			0.121	0.189	40.55	
1.2-Dichloropropane	1	0	CC	4.95	21.89	20	20		0.326	0.356	9.45	
Trichloroethene	1	0		4.83	22.67	20			0.234	0.265	13.35	
Benzene	1	0		4.49	23.23	20			1.089	1.265	16.15	
tert-Amyl methyl ether	1	0		4.54	21.89	20			0.680	0.735	9.45	
Chlorobenzene-d5	1	0	I	6.19	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.50	20.89				1.186			
Methyl methacrylate	1	0		4.98	19.08				0.690			
Dibromochloromethane	1	0		5.89	23.39	20			0.390	0.456	16.95	
2-Chloroethylvinylether	1	0		5.22	16.70	20			0.312	0.314	16.50	
cis-1.3-Dichloropropene	1	0		5.31	20.85	20			0.683	0.797	4.25	
trans-1.3-Dichloropropene	1	0		5.58	21.04	20			0.576	0.701	5.20	
Ethyl methacrylate	1	0		5.61	19.01				0.715			
1.1.2-Trichloroethane	1	0		5.67	22.09	20			0.373	0.412	10.45	
1.2-Dibromoethane	1	0		5.96	22.97	20			0.371	0.426	14.85	
1.3-Dichloropropane	1	0		5.76	22.89	20			0.678	0.776	14.45	
4-Methyl-2-Pentanone	1	0		5.37	16.49	20			0.705	0.675	17.55	
2-Hexanone	1	0		5.79	16.98	20			0.484	0.445	15.10	
Tetrachloroethene	1	0		5.78	23.08	20			0.265	0.306	15.40	
Toluene-d8	1	0	S	5.45	30.09	30			1.485	1.489	0.30	
Toluene	1	0	CC	5.49	22.58	20	20		1.003	1.132	12.90	
1.1.1.2-Tetrachloroethane	1	0		6.24	23.53	20			0.299	0.351	17.65	
Chlorobenzene	1	0	CP	6.21	22.18	20	0.3		1.010	1.120	10.90	
1.4-Dichlorobenzene-d4	1	0	I	7.43	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.45	16.09				2.151			
n-Amyl acetate	1	0		6.57	17.82				2.607			
Bromoform	1	0	CP	6.63	21.72	20	0.1		0.544	0.591	8.60	
Ethylbenzene	1	0	CC	6.25	21.53	20	20		1.038	1.118	7.65	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65640.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/18/2011 4:42:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.85	17.33	20	0.3		1.170	1.014	13.35	
Bromofluorobenzene	1	0	S	6.80	31.40	30			0.822	0.860	4.67	
Styrene	1	0		6.53	24.54	20			2.145	2.579	22.70	
m&p-Xylenes	1	0		6.31	49.88	40			1.202	1.478	24.70	
o-Xylene	1	0		6.52	24.35	20			1.207	1.395	21.75	
trans-1.4-Dichloro-2-butene	1	0		6.88	22.15	20			0.539	0.597	10.75	
1.3-Dichlorobenzene	1	0		7.40	22.02	20			1.348	1.485	10.10	
1.4-Dichlorobenzene	1	0		7.44	20.27	20			1.510	1.530	1.35	
1.2-Dichlorobenzene	1	0		7.66	19.30	20			1.389	1.340	3.50	
Isopropylbenzene	1	0		6.71	22.42	20			2.907	3.294	12.10	
Cyclohexanone	1	0		6.77	77.39				0.044			
Camphene	1	0		6.88	21.32	20			0.805	0.916	6.60	
1.2.3-Trichloropropane	1	0		6.88	21.21	20			1.317	1.397	6.05	
2-Chlorotoluene	1	0		6.99	22.04	20			2.738	3.017	10.20	
p-Ethyltoluene	1	0		6.98	23.55				3.308			
4-Chlorotoluene	1	0		7.04	21.84	20			2.668	2.914	9.20	
n-Propylbenzene	1	0		6.92	22.53	20			3.897	4.389	12.65	
Bromobenzene	1	0		6.89	22.09	20			2.360	2.607	10.45	
1.3.5-Trimethylbenzene	1	0		7.01	22.51	20			2.396	2.550	12.55	
Butyl methacrylate	1	0		7.03	20.52				2.127			
t-Butylbenzene	1	0		7.20	21.17	20			2.008	2.188	5.85	
1.2.4-Trimethylbenzene	1	0		7.22	22.74	20			2.480	2.756	13.70	
sec-Butylbenzene	1	0		7.32	20.38	20			2.637	2.783	1.90	
4-Isopropyltoluene	1	0		7.39	20.03	20			1.936	2.106	0.15	
n-Butylbenzene	1	0		7.61	20.72	20			2.519	2.562	3.60	
p-Diethylbenzene	1	0		7.60	18.53				1.062			
1.2.4.5-Tetramethylbenzene	1	0		8.05	15.54				1.815			
1.2-Dibromo-3-Chloropropane	1	0		8.08	14.90	20			0.160	0.134	25.50	
Camphor	1	0		8.51	137.39	200			0.069	0.051	31.31	
Hexachlorobutadiene	1	0		8.66	16.92	20			0.256	0.216	15.40	
1.2.4-Trichlorobenzene	1	0		8.57	17.22	20			0.724	0.624	13.90	
1.2.3-Trichlorobenzene	1	0		8.86	15.93	20			0.660	0.526	20.35	
Naphthalene	1	0		8.72	14.24	20			1.869	1.487	28.80	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 6M65640.D
Acq On : 02/18/11 16:42

Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/18/11 16:53
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.633	96	165941	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.190	117	98953	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.428	152	44491	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.236	111	48527	32.08	ug/l	-0.01
Spiked Amount 30.000			Recovery = 106.93%			
38) 1,2-Dichloroethane-d4	4.441	67	33891	31.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.90%			
65) Toluene-d8	5.451	98	147355	30.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.30%			
75) Bromofluorobenzene	6.797	174	38263	31.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.437	51	76443	22.23	ug/l	78
6) Dichlorodifluoromethane	1.431	85	33000	16.50	ug/l	87
7) Chloromethane	1.575	50	41985	20.38	ug/l	79
8) Bromomethane	1.921	94	19521	17.46	ug/l	86
9) Vinyl Chloride	1.662	62	30360	19.93	ug/l	96
10) Chloroethane	2.001	64	20784	21.70	ug/l	94
11) Trichlorofluoromethane	2.203	101	35399	28.86	ug/l	85
12) Ethyl ether	2.415	59	27181	18.67	ug/l	84
13) Furan	2.445	39	96504	18.31	ug/l	74
14) 1,1,2-Trichloro-1,2,2-...	2.595	101	16560	16.60	ug/l	91
15) Methylene Chloride	2.950	84	36837	19.21	ug/l	79
16) Acrolein	2.499	56	18955	65.75	ug/l	99
17) Acrylonitrile	3.124	53	13295	17.49	ug/l	95
18) Iodomethane	2.709	142	25923	13.53	ug/l	96
19) Acetone	2.613	43	56078	69.97	ug/l	95
20) Carbon Disulfide	2.776	76	50068	15.44	ug/l	100
21) t-Butyl Alcohol	3.016	59	13216	98.33	ug/l	95
22) n-Hexane	3.401	57	24996	15.52	ug/l	96
23) Di-isopropyl-ether	3.557	45	167380	22.05	ug/l	96
24) 1,1-Dichloroethene	2.595	61	47933	16.42	ug/l	91
25) Methyl Acetate	2.866	43	39307	17.65	ug/l	100
26) Methyl-t-butyl ether	3.172	73	78462	21.91	ug/l	79
27) 1,1-Dichloroethane	3.497	63	78058	22.31	ug/l	99
28) trans-1,2-Dichloroethene	3.172	96	34688	23.52	ug/l	92
29) cis-1,2-Dichloroethene	3.936	61	70268	20.58	ug/l	95
30) Bromochloromethane	4.092	49	45551m	22.35	ug/l	
31) 2,2-Dichloropropane	3.942	77	44408	22.88	ug/l	96
32) Ethyl acetate	3.972	43	49141	18.38	ug/l	89
33) 1,4-Dioxane	5.006	88	14144	1024.67	ug/l	52
34) 1,1-Dichloropropene	4.369	75	48689	22.77	ug/l	94
35) Chloroform	4.140	83	66262	22.99	ug/l	84
37) Cyclohexane	4.320	56	47990	19.82	ug/l	77
39) 1,2-Dichloroethane	4.483	62	60681	23.66	ug/l	94
40) 2-Butanone	3.936	43	21955	22.99	ug/l	89
41) 1,1,1-Trichloroethane	4.272	97	46857	24.15	ug/l	97
42) Carbon Tetrachloride	4.375	117	36021	25.10	ug/l	95
43) Vinyl Acetate	3.527	43	118808	24.25	ug/l	100
44) Bromodichloromethane	5.078	83	49526	23.64	ug/l	98
45) Methylcyclohexane	4.946	83	29269	19.79	ug/l	76
46) Dibromomethane	5.006	174	20904	28.11	ug/l	90
47) 1,2-Dichloropropane	4.946	63	39430	21.89	ug/l	96
48) Trichloroethene	4.831	130	29314	22.67	ug/l	91
49) Benzene	4.489	78	139938	23.23	ug/l	100
50) tert-Amyl methyl ether	4.543	73	81258	21.89	ug/l	75
52) Iso-propylacetate	4.501	43	81716	20.89	ug/l	86
53) Methyl methacrylate	4.982	41	47492	19.08	ug/l	84
54) Dibromochloromethane	5.889	129	30049	23.39	ug/l	93
55) 2-Chloroethylvinylether	5.216	63	20689	16.70	ug/l	73
56) cis-1,3-Dichloropropene	5.306	75	52578	20.85	ug/l	91
57) trans-1,3-Dichloropropene	5.577	75	46257	21.04	ug/l	99
58) Ethyl methacrylate	5.607	41	49201	19.01	ug/l	93
59) 1,1,2-Trichloroethane	5.673	97	27196	22.09	ug/l	93
60) 1,2-Dibromoethane	5.956	107	28114	22.97	ug/l	93
61) 1,3-Dichloropropane	5.763	76	51223	22.89	ug/l	98
62) 4-Methyl-2-Pentanone	5.372	43	44534	16.49	ug/l	96
63) 2-Hexanone	5.787	43	29342	16.98	ug/l	95
64) Tetrachloroethene	5.775	164	20193	23.08	ug/l	99
66) Toluene	5.487	92	74694	22.58	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.238	133	23187	23.53	ug/l	71

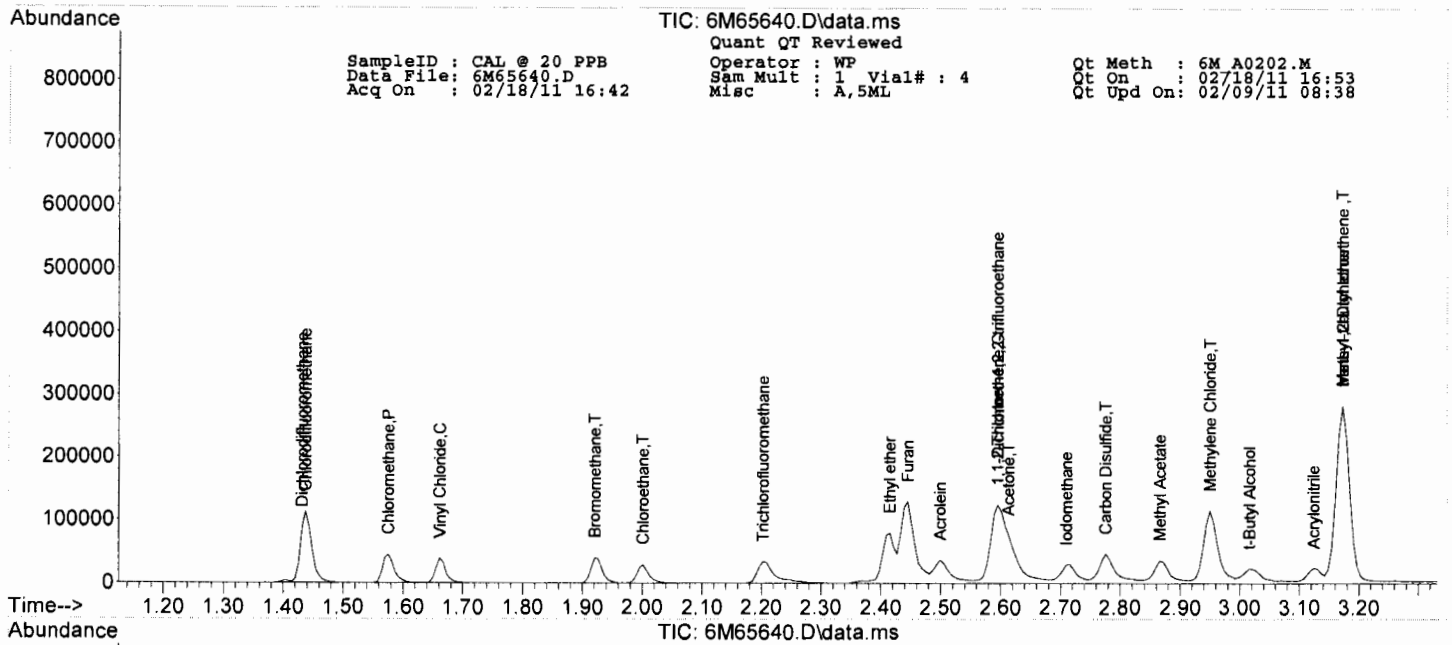
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65640.D Sam Mult : 1 Vial# : 4 Qt On : 02/18/11 16:53
Acq On : 02/18/11 16:42 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.208	112	73884	22.18	ug/l	96
70)	n-Butyl acrylate	6.454	55	59923	16.09	ug/l	93
71)	n-Amyl acetate	6.569	43	72540	17.82	ug/l	94
72)	Bromoform	6.635	173	17531	21.72	ug/l	99
73)	Ethylbenzene	6.250	106	33160	21.53	ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.845	83	30066	17.33	ug/l	90
76)	Styrene	6.527	104	76502	24.54	ug/l	96
77)	m&p-Xylenes	6.310	106	87683	49.88	ug/l	98
78)	o-Xylene	6.521	106	41386	24.35	ug/l	92
79)	trans-1,4-Dichloro-2-b...	6.875	53	17700	22.15	ug/l	69
80)	1,3-Dichlorobenzene	7.398	146	44032	22.02	ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	45387	20.27	ug/l	95
82)	1,2-Dichlorobenzene	7.657	146	39756	19.30	ug/l	94
83)	Isopropylbenzene	6.707	105	97710	22.42	ug/l	98
84)	Cyclohexanone	6.767	55	5050	77.39	ug/l	84
85)	Camphene	6.875	93	27175	21.32	ug/l	88
86)	1,2,3-Trichloropropane	6.881	75	41444	21.21	ug/l	81
87)	2-Chlorotoluene	6.989	91	89480	22.04	ug/l	94
88)	p-Ethyltoluene	6.983	105	118161	23.55	ug/l	74
89)	4-Chlorotoluene	7.044	91	86440	21.84	ug/l	93
90)	n-Propylbenzene	6.923	91	130173	22.53	ug/l	97
91)	Bromobenzene	6.887	77	77340	22.09	ug/l	88
92)	1,3,5-Trimethylbenzene	7.013	105	75625	22.51	ug/l	87
93)	Butyl methacrylate	7.026	41	64735	20.52	ug/l	96
94)	t-Butylbenzene	7.200	119	64910	21.17	ug/l	88
95)	1,2,4-Trimethylbenzene	7.224	105	81757	22.74	ug/l	94
96)	sec-Butylbenzene	7.320	105	82554	20.38	ug/l	95
97)	4-Isopropyltoluene	7.386	119	62457	20.03	ug/l	94
98)	n-Butylbenzene	7.615	91	75996	20.72	ug/l	88
99)	p-Diethylbenzene	7.603	119	31347	18.53	ug/l	95
100)	1,2,4,5-Tetramethylben...	8.047	119	48680	15.54	ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.083	157	3978	14.90	ug/l	96
102)	Camphor	8.510	95	15225	137.39	ug/l	98
103)	Hexachlorobutadiene	8.661	225	6412	16.92	ug/l	96
104)	1,2,4-Trichlorobenzene	8.570	180	18503	17.22	ug/l	96
105)	1,2,3-Trichlorobenzene	8.859	180	15595	15.93	ug/l	98
106)	Naphthalene	8.721	128	44110	14.24	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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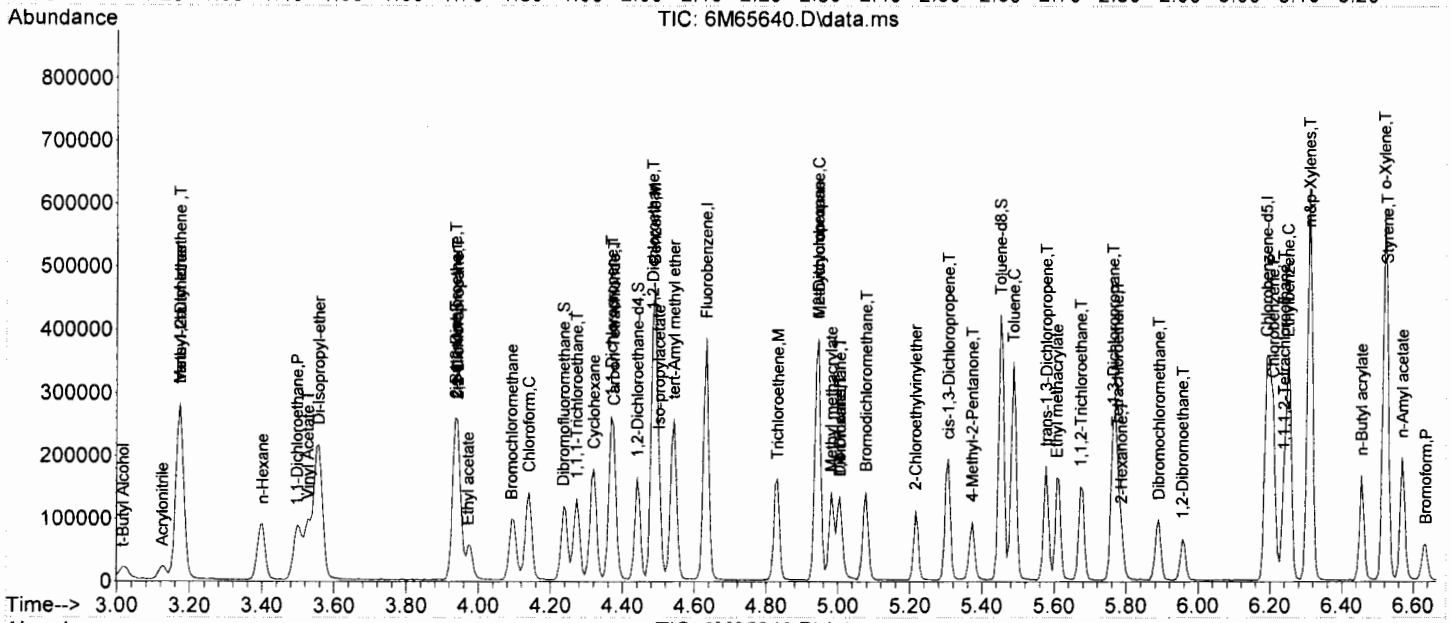
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65640.D
Acq On : 02/18/11 16:42
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/18/11 16:53
Qt Upd On: 02/09/11 08:38
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,I
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
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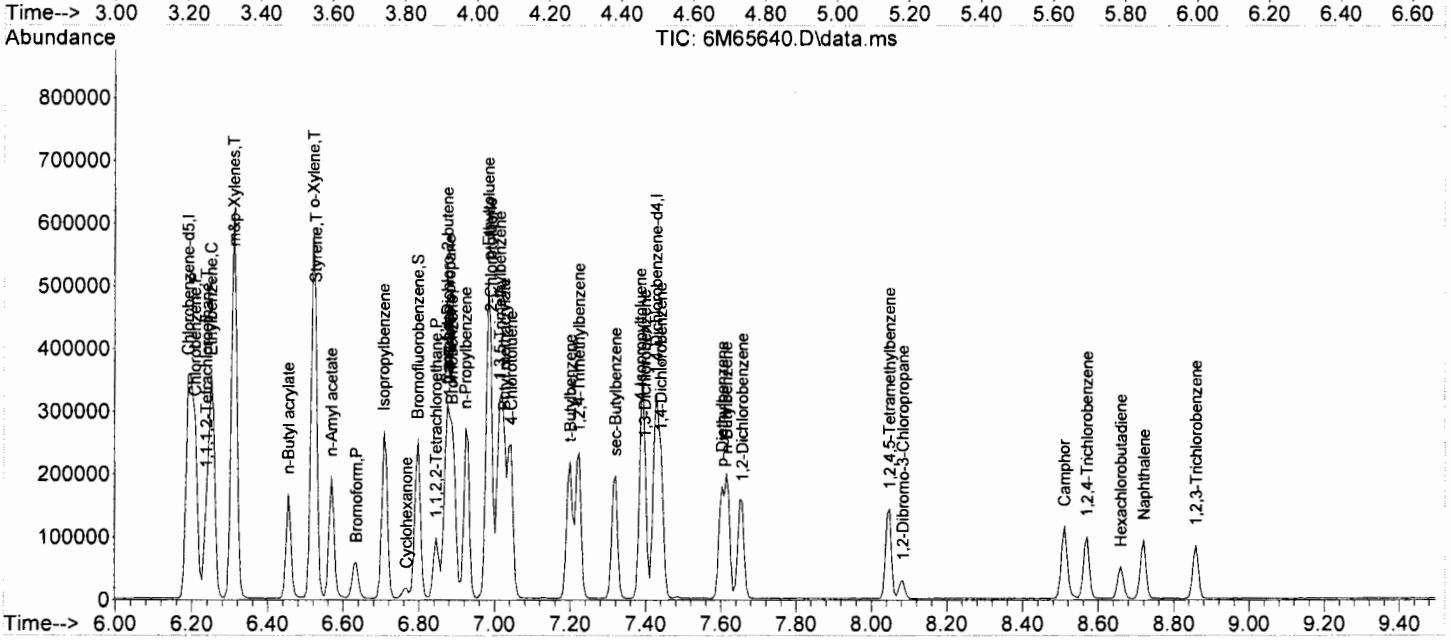
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65640.D\data.ms
Cyclohexanone
Bromofluorobenzene,S
Isopropylbenzene
n-Propylbenzene
n-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88070.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/22/2011 10:25:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.56	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.27	19.37				0.512			
Dichlorodifluoromethane	1	0		1.27	15.42	20			0.169	0.148	22.90	
Chloromethane	1	0	CP	1.39	22.92	20	0.1		0.245	0.281	14.60	
Bromomethane	1	0		1.72	20.95	20			0.058	0.061	4.75	
Vinyl Chloride	1	0	CC	1.47	20.48	20	20		0.137	0.156	2.40	
Chloroethane	1	0		1.79	23.94	20			0.021	0.020	19.70	
Trichlorofluoromethane	1	0		1.97	21.77	20			0.105	0.125	8.85	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.35	34.97	20			0.076	0.132	74.85	
Methylene Chloride	1	0		2.73	23.29	20			0.209	0.243	16.45	
Acrolein	1	0		2.30	205.87	100			0.012	0.026	105.87	
Acrylonitrile	1	0		2.94	21.00	20			0.099	0.105	5.00	
Iodomethane	1	0		2.49	22.80	20			0.284	0.320	14.00	
Acetone	1	0		2.42	92.16	100			0.103	0.095	7.84	
Carbon Disulfide	1	0		2.54	22.86	20			0.587	0.687	14.30	
t-Butyl Alcohol	1	0		2.83	60.87	100			0.016	0.012	39.13	
n-Hexane	1	0		3.15	23.14	20			0.107	0.154	15.70	
Di-isopropyl-ether	1	0		3.33	23.75	20			0.959	1.121	18.75	
1.1-Dichloroethene	1	0	CC	2.36	22.67	20	20		0.306	0.336	13.35	
Methyl Acetate	1	0		2.66	19.95	20			0.313	0.312	0.25	
Methyl-t-butyl ether	1	0		2.95	22.96	20			0.378	0.425	14.80	
1.1-Dichloroethane	1	0	CP	3.29	22.16	20	0.1		0.433	0.480	10.80	
trans-1.2-Dichloroethene	1	0		2.95	26.64	20			0.161	0.192	33.20	
cis-1.2-Dichloroethene	1	0		3.77	21.75	20			0.409	0.444	8.75	
Bromochloromethane	1	0		3.95	22.00	20			0.313	0.344	10.00	
2.2-Dichloropropane	1	0		3.77	26.00	20			0.221	0.274	30.00	
1.4-Dioxane	1	0		5.01	977.84	1000			0.003	0.003	2.22	
1.1-Dichloropropene	1	0		4.25	23.74	20			0.296	0.373	18.70	
Chloroform	1	0	CC	4.01	22.93	20	20		0.382	0.438	14.65	
Dibromofluoromethane	1	0	S	4.12	30.42	30			0.253	0.256	1.40	
Cyclohexane	1	0		4.18	23.25	20			0.255	0.349	16.25	
1.2-Dichloroethane-d4	1	0	S	4.35	30.45	30			0.058	0.058	1.50	
1.2-Dichloroethane	1	0		4.41	23.85	20			0.399	0.475	19.25	
2-Butanone	1	0		3.79	18.34	20			0.187	0.187	8.30	
1.1.1-Trichloroethane	1	0		4.14	23.11	20			0.273	0.321	15.55	
Carbon Tetrachloride	1	0		4.25	23.43	20			0.213	0.268	17.15	
Vinyl Acetate	1	0		3.33	22.54	20			1.133	1.259	12.70	
Bromodichloromethane	1	0		5.09	22.69	20			0.373	0.423	13.45	
Methylcyclohexane	1	0		4.90	24.66	20			0.160	0.229	23.30	
Dibromomethane	1	0		5.01	26.29	20			0.231	0.293	31.45	
1.2-Dichloropropane	1	0	CC	4.93	21.90	20	20		0.361	0.413	9.50	
Trichloroethene	1	0		4.78	22.86	20			0.242	0.283	14.30	
Benzene	1	0		4.39	23.63	20			0.952	1.125	18.15	
tert-Amyl methyl ether	1	0		4.45	18.84	20			0.527	0.554	5.80	
Chlorobenzene-d5	1	0	I	6.40	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.05	18.54	20			0.349	0.365	7.30	
2-Chloroethylvinylether	1	0		5.26	17.50	20			0.255	0.272	12.50	
cis-1.3-Dichloropropene	1	0		5.36	19.50	20			0.531	0.587	2.50	
trans-1.3-Dichloropropene	1	0		5.69	17.22	20			0.472	0.481	13.90	
1.1.2-Trichloroethane	1	0		5.81	21.88	20			0.315	0.345	9.40	
1.2-Dibromoethane	1	0		6.13	20.04	20			0.370	0.386	0.20	
1.3-Dichloropropane	1	0		5.91	24.67	20			0.588	0.674	23.35	
4-Methyl-2-Pentanone	1	0		5.45	15.35	20			0.582	0.556	23.25	
2-Hexanone	1	0		5.94	14.44	20			0.424	0.390	27.80	
Tetrachloroethene	1	0		5.90	22.42	20			0.242	0.293	12.10	
Toluene-d8	1	0	S	5.52	29.63	30			0.827	0.817	1.23	
Toluene	1	0	CC	5.57	22.97	20	20		0.721	0.827	14.85	
1.1.1.2-Tetrachloroethane	1	0		6.46	24.81	20			0.277	0.333	24.05	
Chlorobenzene	1	0	CP	6.41	22.30	20	0.3		0.853	0.951	11.50	
1.4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.92	18.44	20	0.1		0.488	0.469	7.80	
Ethylbenzene	1	0	CC	6.46	22.89	20	20		0.492	0.564	14.45	
1.1.2.2-Tetrachloroethane	1	0	CP	7.17	21.35	20	0.3		0.848	0.845	6.75	
Bromofluorobenzene	1	0	S	7.10	28.64	30			0.894	0.854	4.53	
Styrene	1	0		6.78	23.48	20			1.312	1.527	17.40	
m&p-Xylenes	1	0		6.53	51.19	40			0.671	0.847	27.98	
o-Xylene	1	0		6.77	24.56	20			0.716	0.865	22.80	
trans-1.4-Dichloro-2-butene	1	0		7.20	15.64	20			0.330	0.266	21.80	
1.3-Dichlorobenzene	1	0		7.78	22.27	20			1.027	1.167	11.35	
1.4-Dichlorobenzene	1	0		7.83	21.84	20			1.106	1.208	9.20	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88070.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/22/2011 10:25:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.08	21.51	20			1.079	1.160	7.55	
Isopropylbenzene	1	0		6.99	21.09	20			1.593	1.763	5.45	
Cyclohexanone	1	0		7.08	42.35				0.049			
Camphene	1	0		7.17	22.62	20			0.381	0.453	13.10	
1,2,3-Trichloropropane	1	0		7.20	18.49	20			0.963	0.957	7.55	
2-Chlorotoluene	1	0		7.31	23.62	20			1.220	1.419	18.10	
p-Ethyltoluene	1	0		7.30	21.41				1.739			
4-Chlorotoluene	1	0		7.38	24.23	20			1.284	1.425	21.15	
n-Propylbenzene	1	0		7.24	22.56	20			2.053	2.374	12.80	
Bromobenzene	1	0		7.20	20.60	20			1.524	1.570	3.00	
1,3,5-Trimethylbenzene	1	0		7.33	22.89	20			1.267	1.581	14.45	
t-Butylbenzene	1	0		7.54	21.61	20			1.127	1.279	8.05	
1,2,4-Trimethylbenzene	1	0		7.57	23.80	20			1.405	1.710	19.00	
sec-Butylbenzene	1	0		7.68	21.09	20			1.378	1.589	5.45	
4-Isopropyltoluene	1	0		7.76	24.07	20			1.050	1.295	20.35	
n-Butylbenzene	1	0		8.02	22.65	20			1.284	1.527	13.25	
p-Diethylbenzene	1	0		8.00	20.82				0.600			
1,2,4,5-Tetramethylbenzene	1	0		8.51	18.24				1.074			
1,2-Dibromo-3-Chloropropane	1	0		8.57	12.67	20			0.174	0.150	36.65	
Camphor	1	0		9.05	132.71	200			0.067	0.056	33.65	
Hexachlorobutadiene	1	0		9.20	19.32	20			0.291	0.282	3.40	
1,2,4-Trichlorobenzene	1	0		9.11	20.50	20			0.625	0.666	2.50	
1,2,3-Trichlorobenzene	1	0		9.44	18.68	20			0.605	0.598	6.60	
Naphthalene	1	0		9.29	16.33	20			1.660	1.534	18.35	
1,2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Furan	1	100		0.00	0.00	20				0.000	100.00	
Ethyl Ether	1	100		0.00	0.00	20				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (Not Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88070.D Sam Mult : 1 Vial# : 3 Qt On : 02/22/11 10:36
Acq On : 02/22/11 10:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.562	96	187011	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.396	117	167928	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.815	152	105364	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.123	111	47959	30.42	ug/l	0.01
Spiked Amount 30.000			Recovery =	101.40%		
35) 1,2-Dichloroethane-d4	4.351	102	10939	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.50%		
59) Toluene-d8	5.524	100	137219	29.63	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.77%		
67) Bromofluorobenzene	7.099	174	89962	28.64	ug/l	0.01
Spiked Amount 30.000			Recovery =	95.47%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.274	51	55446	19.37	ug/l	93
6) Dichlorodifluoromethane	1.274	85	18392	15.42	ug/l	98
7) Chloromethane	1.390	50	35035	22.92	ug/l	87
8) Bromomethane	1.723	94	7626	20.95	ug/l	99
9) Vinyl Chloride	1.474	62	19469	20.48	ug/l	95
10) Chloroethane	1.790	66	2442	23.94	ug/l	79
11) Trichlorofluoromethane	1.972	101	15603	21.77	ug/l	100
12) 1,1,2-Trichloro-1,2,2-...	2.355	101	16516	34.97	ug/l	96
13) Methylene Chloride	2.734	84	30348	23.29	ug/l	94
14) Acrolein	2.301	56	15979	205.87	ug/l	97
15) Acrylonitrile	2.938	53	13065	21.00	ug/l	100
16) Iodomethane	2.487	142	39863	22.80	ug/l	91
17) Acetone	2.421	43	59343	92.16	ug/l	100
18) Carbon Disulfide	2.535	76	85713	22.86	ug/l	100
19) t-Butyl Alcohol	2.830	59	7397	60.87	ug/l	77
20) n-Hexane	3.155	57	19228	23.14	ug/l	78
21) Di-isopropyl-ether	3.335	45	139794	23.75	ug/l	77
22) 1,1-Dichloroethene	2.361	61	41932	22.67	ug/l	82
23) Methyl Acetate	2.661	43	38932	19.95	ug/l	100
24) Methyl-t-butyl ether	2.950	73	52969	22.96	ug/l	89
25) 1,1-Dichloroethane	3.293	63	59851	22.16	ug/l	95
26) trans-1,2-Dichloroethene	2.950	96	23883	26.64	ug/l	96
27) cis-1,2-Dichloroethene	3.768	61	55395	21.75	ug/l	85
28) Bromochloromethane	3.954	49	42922	22.00	ug/l	93
29) 2,2-Dichloropropane	3.768	77	34133	26.00	ug/l	86
30) 1,4-Dioxane	5.013	88	18669	977.84	ug/l	71
31) 1,1-Dichloropropene	4.249	75	46467	23.74	ug/l	98
32) Chloroform	4.008	83	54580	22.93	ug/l	99
34) Cyclohexane	4.177	56	43479	23.25	ug/l	82
36) 1,2-Dichloroethane	4.405	62	59277	23.85	ug/l	96
37) 2-Butanone	3.786	43	23315	18.34	ug/l	78
38) 1,1,1-Trichloroethane	4.141	97	40008	23.11	ug/l	100
39) Carbon Tetrachloride	4.249	117	33379	23.43	ug/l	85
40) Vinyl Acetate	3.329	43	157021	22.54	ug/l	100
41) Bromodichloromethane	5.091	83	52758	22.69	ug/l	94
42) Methylcyclohexane	4.904	83	28583	24.66	ug/l	82
43) Dibromomethane	5.007	174	36479	26.29	ug/l	94
44) 1,2-Dichloropropane	4.928	63	51442	21.90	ug/l	99
45) Trichloroethene	4.784	130	35342	22.86	ug/l	90
46) Benzene	4.387	78	140228	23.63	ug/l	100
47) tert-Amyl methyl ether	4.447	73	69034	18.84	ug/l	85
49) Dibromochloromethane	6.053	129	40811	18.54	ug/l	98
50) 2-Chloroethylvinylether	5.259	63	30461	17.50	ug/l	82
51) cis-1,3-Dichloropropene	5.361	75	65738	19.50	ug/l	93
52) trans-1,3-Dichloropropene	5.692	75	53862	17.22	ug/l	96
53) 1,1,2-Trichloroethane	5.806	97	38595	21.88	ug/l	94
54) 1,2-Dibromoethane	6.131	107	43262	20.04	ug/l	100
55) 1,3-Dichloropropane	5.909	76	75426	24.67	ug/l	98
56) 4-Methyl-2-Pentanone	5.446	43	62301	15.35	ug/l	92
57) 2-Hexanone	5.939	43	43632	14.44	ug/l	91
58) Tetrachloroethene	5.897	164	32829	22.42	ug/l	94
60) Toluene	5.566	92	92640	22.97	ug/l	95
61) 1,1,1,2-Tetrachloroethane	6.456	133	37255	24.81	ug/l	85
62) Chlorobenzene	6.414	112	106507	22.30	ug/l	97
64) Bromoform	6.919	173	32947	18.44	ug/l	98
65) Ethylbenzene	6.462	106	39592	22.89	ug/l	83
66) 1,1,2,2-Tetrachloroethane	7.165	83	59373	21.35	ug/l	92
68) Styrene	6.781	104	107263	23.48	ug/l	92
69) m&p-Xylenes	6.528	106	119052	51.19	ug/l	95

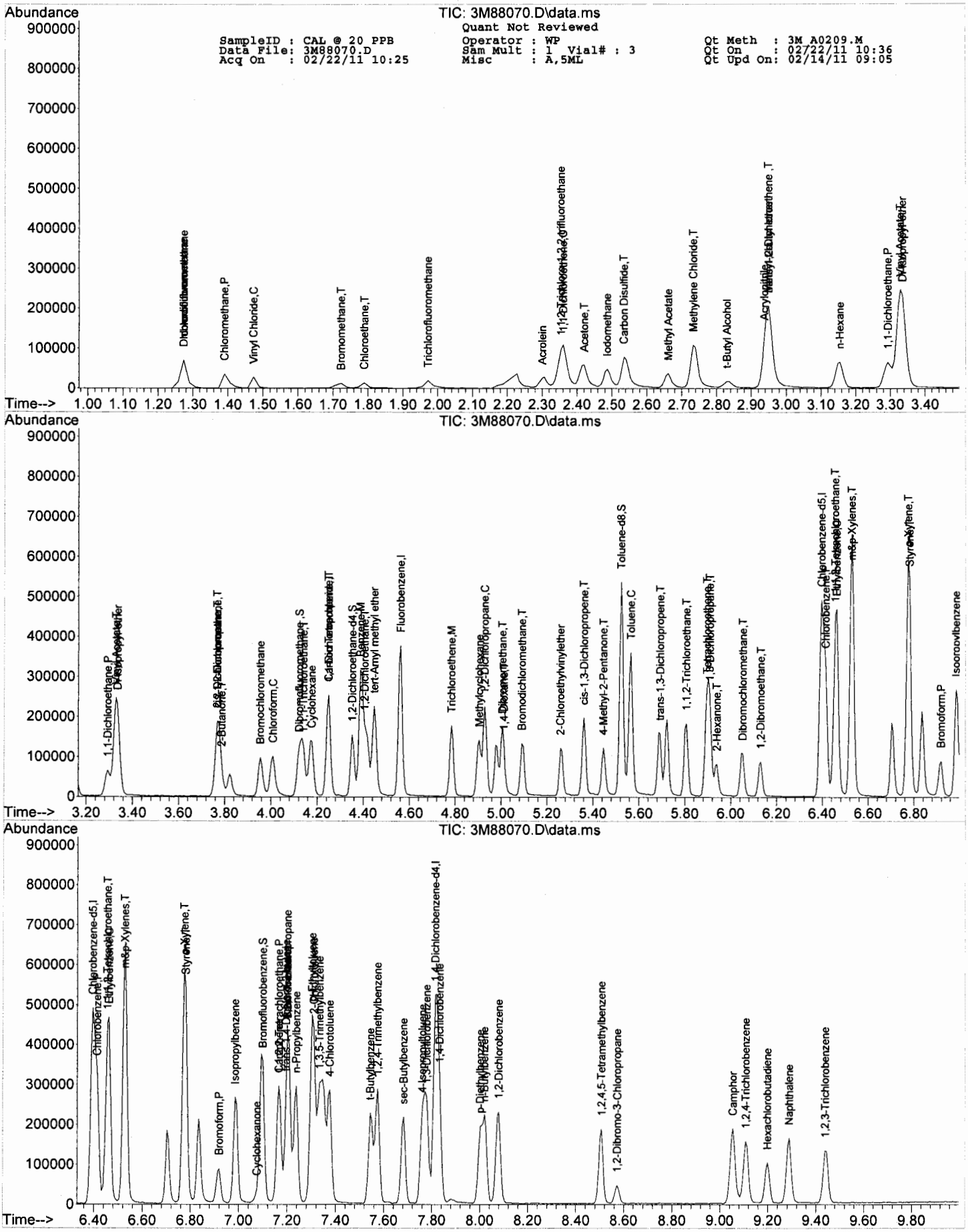
Quantitation Report (Not Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88070.D Sam Mult : 1 Vial# : 3 Qt On : 02/22/11 10:36
Acq On : 02/22/11 10:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	o-Xylene	6.775	106	60762	24.56	ug/l	86
71)	trans-1,4-Dichloro-2-b...	7.195	53	18681	15.64	ug/l	88
72)	1,3-Dichlorobenzene	7.779	146	81949	22.27	ug/l	99
73)	1,4-Dichlorobenzene	7.833	146	84823	21.84	ug/l	94
74)	1,2-Dichlorobenzene	8.079	146	81486	21.51	ug/l	99
75)	Isopropylbenzene	6.985	105	123830	21.09	ug/l	98
76)	Cyclohexanone	7.075	55	8051	42.35	ug/l	90
77)	Camphene	7.165	93	31845	22.62	ug/l	99
78)	1,2,3-Trichloropropane	7.202	75	67236	18.49	ug/l	91
79)	2-Chlorotoluene	7.310	91	99680	23.62	ug/l	97
80)	p-Ethyltoluene	7.304	105	134928	21.41	ug/l	98
81)	4-Chlorotoluene	7.376	91	100064	24.23	ug/l	96
82)	n-Propylbenzene	7.238	91	166722	22.56	ug/l	100
83)	Bromobenzene	7.202	77	110250	20.60	ug/l	93
84)	1,3,5-Trimethylbenzene	7.334	105	111030	22.89	ug/l	95
85)	t-Butylbenzene	7.544	119	89844	21.61	ug/l	96
86)	1,2,4-Trimethylbenzene	7.574	105	120117	23.80	ug/l	91
87)	sec-Butylbenzene	7.683	105	111636	21.09	ug/l	97
88)	4-Isopropyltoluene	7.761	119	90977	24.07	ug/l	99
89)	n-Butylbenzene	8.019	91	107276	22.65	ug/l	98
90)	p-Diethylbenzene	8.001	119	46982	20.82	ug/l	97
91)	1,2,4,5-Tetramethylben...	8.506	119	78280	18.24	ug/l	98
92)	1,2-Dibromo-3-Chloropr...	8.573	157	10502	12.67	ug/l	99
93)	Camphor	9.054	95	39312	132.71	ug/l	90
94)	Hexachlorobutadiene	9.198	225	19842	19.32	ug/l	97
95)	1,2,4-Trichlorobenzene	9.108	180	46790	20.50	ug/l	99
96)	1,2,3-Trichlorobenzene	9.438	180	41976	18.68	ug/l	99
97)	Naphthalene	9.288	128	107768	16.33	ug/l	100

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


Abundance
TIC: 3M88070.D\data.ms
Quant Not Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M88070.D
Acq On : 02/22/11 10:25
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 10:36
Qt Upd On: 02/14/11 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M88070.D\data.ms
1,1-Dichloroethane,P
2-Butanone,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Benzene,M
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
1,2-Dichloropropane,C
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 3M88070.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dichlorobenzene-d4,I
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88288.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/25/2011 7:57:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.58	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.28	22.45				0.512			
Dichlorodifluoromethane	1	0		1.28	41.74	20			0.169	0.399	108.70	
Chloromethane	1	0	CP	1.41	17.98	20	0.1		0.245	0.220	10.10	
Bromomethane	1	0		1.73	21.84	20			0.058	0.064	9.20	
Vinyl Chloride	1	0	CC	1.48	17.15	20	20		0.137	0.131	14.25	
Chloroethane	1	0		1.79	24.87	20			0.021	0.020	24.35	
Trichlorofluoromethane	1	0		1.99	20.32	20			0.105	0.117	1.60	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.37	33.23	20			0.076	0.126	66.15	
Methylene Chloride	1	0		2.76	19.77	20			0.209	0.207	1.15	
Acrolein	1	0		2.32	165.20	100			0.012	0.021	65.20	
Acrylonitrile	1	0		2.96	18.92	20			0.099	0.094	5.40	
Iodomethane	1	0		2.50	18.45	20			0.284	0.259	7.75	
Acetone	1	0		2.43	85.09	100			0.103	0.088	14.91	
Carbon Disulfide	1	0		2.55	19.37	20			0.587	0.583	3.15	
t-Butyl Alcohol	1	0		2.85	58.71	100			0.016	0.011	41.29	
n-Hexane	1	0		3.17	19.92	20			0.107	0.133	0.40	
Di-isopropyl-ether	1	0		3.35	20.47	20			0.959	0.967	2.35	
1.1-Dichloroethene	1	0	CC	2.38	20.94	20	20		0.306	0.311	4.70	
Methyl Acetate	1	0		2.68	22.74	20			0.313	0.356	13.70	
Methyl-t-butyl ether	1	0		2.97	19.28	20			0.378	0.357	3.60	
1.1-Dichloroethane	1	0	CP	3.32	20.11	20	0.1		0.433	0.436	0.55	
trans-1.2-Dichloroethene	1	0		2.97	24.09	20			0.161	0.173	20.45	
cis-1.2-Dichloroethene	1	0		3.79	20.89	20			0.409	0.427	4.45	
Bromochloromethane	1	0		3.97	19.88	20			0.313	0.311	0.60	
2.2-Dichloropropane	1	0		3.79	23.39	20			0.221	0.246	16.95	
1.4-Dioxane	1	0		5.03	919.06	1000			0.003	0.003	8.09	
1.1-Dichloropropene	1	0		4.27	22.34	20			0.296	0.351	11.70	
Chloroform	1	0	CC	4.03	21.10	20	20		0.382	0.403	5.50	
Dibromofluoromethane	1	0	S	4.14	31.05	30			0.253	0.262	3.50	
Cyclohexane	1	0		4.19	21.81	20			0.255	0.327	9.05	
1.2-Dichloroethane-d4	1	0	S	4.37	33.54	30			0.058	0.064	11.80	
1.2-Dichloroethane	1	0		4.42	22.05	20			0.399	0.440	10.25	
2-Butanone	1	0		3.81	15.83	20			0.187	0.161	20.85	
1.1.1-Trichloroethane	1	0		4.16	21.04	20			0.273	0.292	5.20	
Carbon Tetrachloride	1	0		4.27	22.23	20			0.213	0.254	11.15	
Vinyl Acetate	1	0		3.35	14.75	20			1.133	0.824	26.25	
Bromodichloromethane	1	0		5.11	19.56	20			0.373	0.365	2.20	
Methylcyclohexane	1	0		4.92	21.76	20			0.160	0.202	8.80	
Dibromomethane	1	0		5.02	23.06	20			0.231	0.257	15.30	
1.2-Dichloropropane	1	0	CC	4.95	19.23	20	20		0.361	0.362	3.85	
Trichloroethene	1	0		4.80	20.80	20			0.242	0.258	4.00	
Benzene	1	0		4.41	21.63	20			0.952	1.030	8.15	
tert-Amyl methyl ether	1	0		4.46	15.54	20			0.527	0.457	22.30	
Chlorobenzene-d5	1	0	I	6.41	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.07	16.16	20			0.349	0.318	19.20	
2-Chloroethylvinylether	1	0		5.28	13.58	20			0.255	0.211	32.10	
cis-1.3-Dichloropropene	1	0		5.38	15.24	20			0.531	0.459	23.80	
trans-1.3-Dichloropropene	1	0		5.71	14.50	20			0.472	0.405	27.50	
1.1.2-Trichloroethane	1	0		5.82	19.10	20			0.315	0.301	4.50	
1.2-Dibromoethane	1	0		6.15	16.86	20			0.370	0.325	15.70	
1.3-Dichloropropane	1	0		5.93	21.85	20			0.588	0.597	9.25	
4-Methyl-2-Pentanone	1	0		5.46	12.04	20			0.582	0.436	39.80	
2-Hexanone	1	0		5.96	12.22	20			0.424	0.330	38.90	
Tetrachloroethene	1	0		5.91	20.79	20			0.242	0.272	3.95	
Toluene-d8	1	0	S	5.55	29.59	30			0.827	0.816	1.37	
Toluene	1	0	CC	5.58	20.57	20	20		0.721	0.741	2.85	
1.1.1.2-Tetrachloroethane	1	0		6.47	21.68	20			0.277	0.291	8.40	
Chlorobenzene	1	0	CP	6.43	20.02	20	0.3		0.853	0.854	0.10	
1.4-Dichlorobenzene-d4	1	0	I	7.84	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.94	16.04	20	0.1		0.488	0.392	19.80	
Ethylbenzene	1	0	CC	6.49	20.71	20	20		0.492	0.510	3.55	
1.1.2.2-Tetrachloroethane	1	0	CP	7.19	18.85	20	0.3		0.848	0.746	5.75	
Bromofluorobenzene	1	0	S	7.12	27.99	30			0.894	0.834	6.70	
Styrene	1	0		6.80	20.61	20			1.312	1.341	3.05	
m&p-Xylenes	1	0		6.55	46.41	40			0.671	0.768	16.03	
o-Xylene	1	0		6.79	22.07	20			0.716	0.778	10.35	
trans-1.4-Dichloro-2-butene	1	0		7.22	16.70	20			0.330	0.284	16.50	
1.3-Dichlorobenzene	1	0		7.80	19.49	20			1.027	1.021	2.55	
1.4-Dichlorobenzene	1	0		7.86	18.46	20			1.106	1.021	7.70	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88288.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/25/2011 7:57:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.10	18.86	20			1.079	1.017	5.70	
Isopropylbenzene	1	0		7.01	18.16	20			1.593	1.518	9.20	
Cyclohexanone	1	0		7.09	40.09				0.049			
Camphene	1	0		7.19	19.17	20			0.381	0.384	4.15	
1.2.3-Trichloropropane	1	0		7.22	16.33	20			0.963	0.845	18.35	
2-Chlorotoluene	1	0		7.33	20.30	20			1.220	1.219	1.50	
p-Ethyltoluene	1	0		7.32	20.64				1.739			
4-Chlorotoluene	1	0		7.39	21.33	20			1.284	1.254	6.65	
n-Propylbenzene	1	0		7.25	19.90	20			2.053	2.094	0.50	
Bromobenzene	1	0		7.22	18.01	20			1.524	1.373	9.95	
1.3.5-Trimethylbenzene	1	0		7.36	19.96	20			1.267	1.378	0.20	
t-Butylbenzene	1	0		7.57	19.03	20			1.127	1.127	4.85	
1.2.4-Trimethylbenzene	1	0		7.60	20.74	20			1.405	1.491	3.70	
sec-Butylbenzene	1	0		7.71	18.49	20			1.378	1.394	7.55	
4-Isopropyltoluene	1	0		7.78	20.94	20			1.050	1.127	4.70	
n-Butylbenzene	1	0		8.04	19.86	20			1.284	1.339	0.70	
p-Diethylbenzene	1	0		8.02	18.67				0.600			
1.2.4.5-Tetramethylbenzene	1	0		8.53	16.04				1.074			
1.2-Dibromo-3-Chloropropane	1	0		8.60	11.21	20			0.174	0.132	43.95	
Camphor	1	0		9.08	110.57	200			0.067	0.047	44.72	
Hexachlorobutadiene	1	0		9.22	16.71	20			0.291	0.244	16.45	
1.2.4-Trichlorobenzene	1	0		9.14	17.30	20			0.625	0.562	13.50	
1.2.3-Trichlorobenzene	1	0		9.47	16.08	20			0.605	0.514	19.60	
Naphthalene	1	0		9.31	14.29	20			1.660	1.342	28.55	
Furan	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Ethyl Ether	1	100		0.00	0.00	20				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88288.D Sam Mult : 1 Vial# : 2 Qt On : 02/25/11 08:06
Acq On : 02/25/11 07:57 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.579	96	171858	30.00	ug/l	0.03
48) Chlorobenzene-d5	6.413	117	163696	30.00	ug/l	0.03
63) 1,4-Dichlorobenzene-d4	7.838	152	104429	30.00	ug/l	0.03
System Monitoring Compounds						
33) Dibromofluoromethane	4.140	111	44995	31.05	ug/l	0.03
Spiked Amount 30.000			Recovery = 103.50%			
35) 1,2-Dichloroethane-d4	4.375	102	11070	33.54	ug/l	0.03
Spiked Amount 30.000			Recovery = 111.80%			
59) Toluene-d8	5.547	100	133615	29.59	ug/l	0.03
Spiked Amount 30.000			Recovery = 98.63%			
67) Bromofluorobenzene	7.117	174	87144	27.99	ug/l	0.03
Spiked Amount 30.000			Recovery = 93.30%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.276	51	59057m	22.45	ug/l	
6) Dichlorodifluoromethane	1.276	85	45744	41.74	ug/l	94
7) Chloromethane	1.409	50	25246	17.98	ug/l	86
8) Bromomethane	1.725	94	7305	21.84	ug/l	97
9) Vinyl Chloride	1.476	62	14980	17.15	ug/l	98
10) Chloroethane	1.792	66	2332	24.87	ug/l	93
11) Trichlorofluoromethane	1.991	101	13387	20.32	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.366	101	14424	33.23	ug/l	91
13) Methylene Chloride	2.757	84	23670	19.77	ug/l	93
14) Acrolein	2.324	56	11783	165.20	ug/l	97
15) Acrylonitrile	2.961	53	10819	18.92	ug/l	87
16) Iodomethane	2.504	142	29639	18.45	ug/l	90
17) Acetone	2.432	43	50352	85.09	ug/l	91
18) Carbon Disulfide	2.553	76	66751	19.37	ug/l	100
19) t-Butyl Alcohol	2.853	59	6556	58.71	ug/l	95
20) n-Hexane	3.172	57	15214	19.92	ug/l	74
21) Di-isopropyl-ether	3.352	45	110744	20.47	ug/l	78
22) 1,1-Dichloroethene	2.378	61	35594	20.94	ug/l	89
23) Methyl Acetate	2.679	43	40783	22.74	ug/l	100
24) Methyl-t-butyl ether	2.967	73	40871	19.28	ug/l	88
25) 1,1-Dichloroethane	3.316	63	49902	20.11	ug/l	96
26) trans-1,2-Dichloroethene	2.967	96	19849	24.09	ug/l	88
27) cis-1,2-Dichloroethene	3.791	61	48892	20.89	ug/l	82
28) Bromochloromethane	3.972	49	35648	19.88	ug/l	87
29) 2,2-Dichloropropane	3.791	77	28222	23.39	ug/l	92
30) 1,4-Dioxane	5.030	88	16125	919.06	ug/l	74
31) 1,1-Dichloropropene	4.266	75	40182	22.34	ug/l	98
32) Chloroform	4.026	83	46135	21.10	ug/l	97
34) Cyclohexane	4.194	56	37479	21.81	ug/l	78
36) 1,2-Dichloroethane	4.423	62	50367	22.05	ug/l	99
37) 2-Butanone	3.809	43	18502	15.83	ug/l	77
38) 1,1,1-Trichloroethane	4.158	97	33462	21.04	ug/l	88
39) Carbon Tetrachloride	4.266	117	29105	22.23	ug/l	91
40) Vinyl Acetate	3.352	43	94438	14.75	ug/l	100
41) Bromodichloromethane	5.114	83	41786	19.56	ug/l	88
42) Methylcyclohexane	4.922	83	23175	21.76	ug/l	84
43) Dibromomethane	5.024	174	29408	23.06	ug/l	94
44) 1,2-Dichloropropane	4.952	63	41491	19.23	ug/l	100
45) Trichloroethene	4.802	130	29549	20.80	ug/l	92
46) Benzene	4.411	78	117955	21.63	ug/l	100
47) tert-Amyl methyl ether	4.465	73	52314	15.54	ug/l	90
49) Dibromochloromethane	6.070	129	34672	16.16	ug/l	95
50) 2-Chloroethylvinylether	5.283	63	23044	13.58	ug/l	87
51) cis-1,3-Dichloropropene	5.379	75	50079	15.24	ug/l	96
52) trans-1,3-Dichloropropene	5.710	75	44201	14.50	ug/l	98
53) 1,1,2-Trichloroethane	5.824	97	32837	19.10	ug/l	93
54) 1,2-Dibromoethane	6.149	107	35484	16.86	ug/l	87
55) 1,3-Dichloropropane	5.926	76	65115	21.85	ug/l	95
56) 4-Methyl-2-Pentanone	5.463	43	47619	12.04	ug/l	93
57) 2-Hexanone	5.956	43	36015	12.22	ug/l	96
58) Tetrachloroethene	5.914	164	29665	20.79	ug/l	99
60) Toluene	5.583	92	80861	20.57	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.473	133	31732	21.68	ug/l	87
62) Chlorobenzene	6.431	112	93206	20.02	ug/l	96
64) Bromoform	6.936	173	27300	16.04	ug/l	97
65) Ethylbenzene	6.485	106	35504	20.71	ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.189	83	51952	18.85	ug/l	86
68) Styrene	6.804	104	93325	20.61	ug/l	88
69) m&p-Xylenes	6.551	106	106978	46.41	ug/l	94

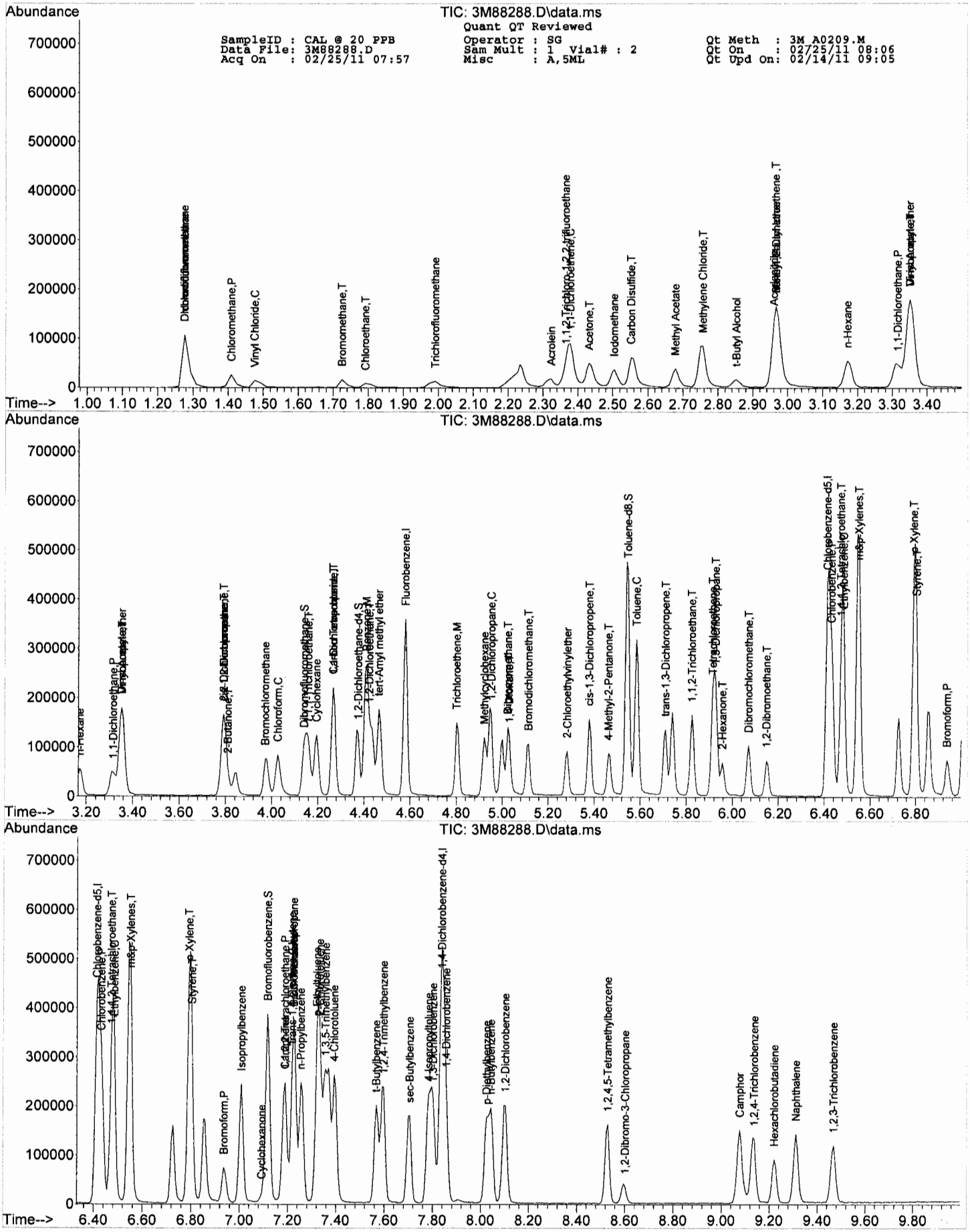
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88288.D Sam Mult : 1 Vial# : 2 Qt On : 02/25/11 08:06
Acq On : 02/25/11 07:57 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.792	106	54131	22.07 ug/l	85
71) trans-1,4-Dichloro-2-b...	7.219	53	19767	16.70 ug/l	64
72) 1,3-Dichlorobenzene	7.802	146	71079	19.49 ug/l	99
73) 1,4-Dichlorobenzene	7.856	146	71067	18.46 ug/l	92
74) 1,2-Dichlorobenzene	8.103	146	70826	18.86 ug/l	99
75) Isopropylbenzene	7.008	105	105666	18.16 ug/l	99
76) Cyclohexanone	7.093	55	7554	40.09 ug/l	88
77) Camphene	7.189	93	26755	19.17 ug/l	95
78) 1,2,3-Trichloropropane	7.225	75	58834	16.33 ug/l	91
79) 2-Chlorotoluene	7.333	91	84896	20.30 ug/l	97
80) p-Ethyltoluene	7.321	105	128921	20.64 ug/l	98
81) 4-Chlorotoluene	7.393	91	87312	21.33 ug/l	98
82) n-Propylbenzene	7.255	91	145792	19.90 ug/l	100
83) Bromobenzene	7.225	77	95571	18.01 ug/l	91
84) 1,3,5-Trimethylbenzene	7.357	105	95939	19.96 ug/l	96
85) t-Butylbenzene	7.568	119	78443	19.03 ug/l	97
86) 1,2,4-Trimethylbenzene	7.598	105	103770	20.74 ug/l	90
87) sec-Butylbenzene	7.706	105	97021	18.49 ug/l	95
88) 4-Isopropyltoluene	7.784	119	78464	20.94 ug/l	99
89) n-Butylbenzene	8.043	91	93247	19.86 ug/l	98
90) p-Diethylbenzene	8.025	119	41754	18.67 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.530	119	68203	16.04 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.602	157	9208	11.21 ug/l	99
93) Camphor	9.077	95	32463	110.57 ug/l	88
94) Hexachlorobutadiene	9.221	225	17018	16.71 ug/l	98
95) 1,2,4-Trichlorobenzene	9.137	180	39134	17.30 ug/l	97
96) 1,2,3-Trichlorobenzene	9.468	180	35811	16.08 ug/l	99
97) Naphthalene	9.312	128	93424	14.29 ug/l	100

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


Abundance
TIC: 3M88288.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M88288.D
Acq On : 02/25/11 07:57
Operator : SG
Sam Mult : 1 Vial# : 2
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 08:06
Qt Upd On: 02/14/11 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63642.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/2/2011 2:16:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.29	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.19	20.51				0.824			
Dichlorodifluoromethane	1	0		1.18	18.71	20			0.339	0.317	6.45	
Chloromethane	1	0	CP	1.29	18.06	20	0.1		0.396	0.336	9.70	
Bromomethane	1	0		1.58	16.13	20			0.176	0.142	19.35	
Vinyl Chloride	1	0	CC	1.36	17.91	20	20		0.288	0.258	10.45	
Chloroethane	1	0		1.63	17.85	20			0.166	0.165	10.75	
Trichlorofluoromethane	1	0		1.79	19.67	20			0.296	0.292	1.65	
Ethyl ether	1	0		1.99	19.39	20			0.345	0.334	3.05	
Furan	1	0		2.02	18.70	20			0.972	0.909	6.50	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.14	22.71	20			0.176	0.200	13.55	
Methylene Chloride	1	0		2.48	19.40	20			0.366	0.355	3.00	
Acrolein	1	0		2.08	115.82	100			0.042	0.052	15.82	
Acrylonitrile	1	0		2.66	19.32	20			0.132	0.128	3.40	
Iodomethane	1	0		2.25	11.81	20			0.524	0.459	40.95	
Acetone	1	0		2.19	114.89	100			0.114	0.106	14.89	
Carbon Disulfide	1	0		2.30	17.18	20			1.012	0.869	14.10	
t-Butyl Alcohol	1	0		2.55	85.38	100			0.028	0.024	14.62	
n-Hexane	1	0		2.87	23.46	20			0.227	0.267	17.30	
Di-isopropyl-ether	1	0		3.02	20.66	20			1.310	1.353	3.30	
1.1-Dichloroethene	1	0	CC	2.15	19.11	20	20		0.527	0.504	4.45	
Methyl Acetate	1	0		2.40	20.09	20			0.317	0.318	0.45	
Methyl-t-butyl ether	1	0		2.67	19.73	20			0.747	0.737	1.35	
1.1-Dichloroethane	1	0	CP	2.99	19.33	20	0.1		0.670	0.648	3.35	
trans-1.2-Dichloroethene	1	0		2.68	19.15	20			0.319	0.306	4.25	
cis-1.2-Dichloroethene	1	0		3.45	19.64	20			0.536	0.526	1.80	
Bromochloromethane	1	0		3.64	19.64	20			0.355	0.349	1.80	
2.2-Dichloropropane	1	0		3.45	26.29	20			0.296	0.389	31.45	
Ethyl acetate	1	0		3.50	19.91				0.388			
1.4-Dioxane	1	0		4.73	965.40	1000			0.004	0.004	3.46	
1.1-Dichloropropene	1	0		3.96	19.75	20			0.436	0.430	1.25	
Chloroform	1	0	CC	3.70	19.69	20	20		0.527	0.519	1.55	
Dibromofluoromethane	1	0	S	3.83	31.32	30			0.249	0.260	4.40	
Cyclohexane	1	0		3.89	20.69	20			0.399	0.413	3.45	
1.2-Dichloroethane-d4	1	0	S	4.07	30.60	30			0.158	0.161	2.00	
1.2-Dichloroethane	1	0		4.12	19.77	20			0.484	0.479	1.15	
2-Butanone	1	0		3.46	21.25	20			0.156	0.166	6.25	
1.1.1-Trichloroethane	1	0		3.85	18.98	20			0.399	0.378	5.10	
Carbon Tetrachloride	1	0		3.96	21.10	20			0.307	0.324	5.50	
Vinyl Acetate	1	0		3.02	19.77	20			1.242	1.338	1.15	
Bromodichloromethane	1	0		4.81	19.59	20			0.487	0.477	2.05	
Methylcyclohexane	1	0		4.63	22.96	20			0.319	0.366	14.80	
Dibromomethane	1	0		4.73	21.06	20			0.304	0.320	5.30	
1.2-Dichloropropane	1	0	CC	4.66	20.17	20	20		0.426	0.430	0.85	
Trichloroethene	1	0		4.52	19.48	20			0.364	0.354	2.60	
Benzene	1	0		4.11	19.71	20			1.355	1.335	1.45	
tert-Amyl methyl ether	1	0		4.18	19.70	20			0.854	0.841	1.50	
Chlorobenzene-d5	1	0	I	6.09	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.15	18.44				0.904			
Methyl methacrylate	1	0		4.71	21.90				0.509			
Dibromochloromethane	1	0		5.76	19.95	20			0.497	0.496	0.25	
2-Chloroethylvinylether	1	0		4.99	17.56	20			0.319	0.280	12.20	
cis-1.3-Dichloropropene	1	0		5.08	20.06	20			0.747	0.749	0.30	
trans-1.3-Dichloropropene	1	0		5.40	19.89	20			0.667	0.664	0.55	
Ethyl methacrylate	1	0		5.44	19.44				0.551			
1.1.2-Trichloroethane	1	0		5.52	19.60	20			0.416	0.408	2.00	
1.2-Dibromoethane	1	0		5.83	20.12	20			0.468	0.471	0.60	
1.3-Dichloropropane	1	0		5.61	19.98	20			0.760	0.759	0.10	
4-Methyl-2-Pentanone	1	0		5.16	18.61	20			0.564	0.537	6.95	
2-Hexanone	1	0		5.65	17.28	20			0.399	0.363	13.60	
Tetrachloroethene	1	0		5.60	20.50	20			0.393	0.403	2.50	
Toluene-d8	1	0	S	5.24	29.34	30			1.326	1.297	2.20	
Toluene	1	0	CC	5.28	19.22	20	20		1.119	1.075	3.90	
1.1.1.2-Tetrachloroethane	1	0		6.15	20.65	20			0.405	0.418	3.25	
Chlorobenzene	1	0	CP	6.11	19.22	20	0.3		1.271	1.221	3.90	
1.4-Dichlorobenzene-d4	1	0	I	7.49	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.41	17.76				1.775			
n-Amyl acetate	1	0		6.54	18.04				1.680			
Bromoform	1	0	CP	6.60	19.51	20	0.1		0.711	0.694	2.45	
Ethylbenzene	1	0	CC	6.16	23.32	20	20		0.867	0.847	16.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63642.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/2/2011 2:16:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.85	18.88	20	0.3		0.995	0.940	5.60	
Bromofluorobenzene	1	0	S	6.79	29.46	30			0.937	0.920	1.80	
Styrene	1	0		6.47	19.44	20			2.221	2.160	2.80	
m&p-Xylenes	1	0		6.23	39.33	40			1.232	1.212	1.67	
o-Xylene	1	0		6.47	20.19	20			1.254	1.266	0.95	
trans-1.4-Dichloro-2-butene	1	0		6.88	29.34	20			0.253	0.303	46.70	
1.3-Dichlorobenzene	1	0		7.45	19.28	20			1.723	1.660	3.60	
1.4-Dichlorobenzene	1	0		7.51	19.82	20			1.764	1.748	0.90	
1.2-Dichlorobenzene	1	0		7.74	20.13	20			1.668	1.679	0.65	
Isopropylbenzene	1	0		6.68	20.96	20			2.944	3.086	4.80	
Cyclohexanone	1	0		6.76	125.08				0.037			
Camphene	1	0		6.85	21.25	20			0.762	0.810	6.25	
1.2.3-Trichloropropane	1	0		6.89	19.79	20			1.184	1.171	1.05	
2-Chlorotoluene	1	0		6.99	19.59	20			2.103	2.060	2.05	
p-Ethyltoluene	1	0		6.99	20.90				3.281			
4-Chlorotoluene	1	0		7.06	22.95	20			1.894	2.173	14.75	
n-Propylbenzene	1	0		6.92	20.53	20			3.663	3.761	2.65	
Bromobenzene	1	0		6.89	23.60	20			1.782	1.776	18.00	
1.3.5-Trimethylbenzene	1	0		7.02	19.06	20			2.491	2.374	4.70	
Butyl methacrylate	1	0		7.04	18.05				1.383			
t-Butylbenzene	1	0		7.23	20.83	20			2.325	2.422	4.15	
1.2.4-Trimethylbenzene	1	0		7.26	21.25	20			2.564	2.724	6.25	
sec-Butylbenzene	1	0		7.36	20.63	20			2.855	2.945	3.15	
4-Isopropyltoluene	1	0		7.44	20.43	20			2.283	2.332	2.15	
n-Butylbenzene	1	0		7.70	21.02	20			2.457	2.582	5.10	
p-Diethylbenzene	1	0		7.68	20.29				1.299			
1.2.4.5-Tetramethylbenzene	1	0		8.18	19.71				2.080			
1.2-Dibromo-3-Chloropropane	1	0		8.23	15.70	20			0.218	0.181	21.50	
Camphor	1	0		8.70	133.21	200			0.072	0.051	33.40	
Hexachlorobutadiene	1	0		8.86	19.14	20			0.722	0.691	4.30	
1.2.4-Trichlorobenzene	1	0		8.76	20.47	20			1.152	1.179	2.35	
1.2.3-Trichlorobenzene	1	0		9.08	17.57	20			1.051	0.924	12.15	
Naphthalene	1	0		8.93	16.56	20			2.089	1.837	17.20	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63642.D Sam Mult : 1 Vial# : 25 Qt On : 03/02/11 14:40
Acq On : 03/ 2/11 14:16 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.290	96	258299	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.094	117	215519	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.490	152	130264	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	3.827	111	67079	31.32	ug/l	-0.02
Spiked Amount 30.000			Recovery = 104.40%			
38) 1,2-Dichloroethane-d4	4.073	67	41517	30.60	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.00%			
65) Toluene-d8	5.240	98	279515	29.34	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.80%			
75) Bromofluorobenzene	6.786	174	119850	29.46	ug/l	-0.02
Spiked Amount 30.000			Recovery = 98.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.193	51	104785	20.51	ug/l	90
6) Dichlorodifluoromethane	1.177	85	54622	18.71	ug/l	93
7) Chloromethane	1.293	50	57834	18.06	ug/l	81
8) Bromomethane	1.576	94	24409	16.13	ug/l	76
9) Vinyl Chloride	1.360	62	44368	17.91	ug/l	96
10) Chloroethane	1.626	64	28469	17.85	ug/l	95
11) Trichlorofluoromethane	1.792	101	50207	19.67	ug/l	89
12) Ethyl ether	1.988	59	57560	19.39	ug/l	94
13) Furan	2.018	39	156516	18.70	ug/l	96
14) 1,1,2-Trichloro-1,2,2-...	2.136	101	34428	22.71	ug/l	94
15) Methylene Chloride	2.481	84	61165	19.40	ug/l	88
16) Acrolein	2.077	56	44871	115.82	ug/l	99
17) Acrylonitrile	2.658	53	22013	19.32	ug/l	96
18) Iodomethane	2.254	142	78993	11.81	ug/l	93
19) Acetone	2.185	43	91306	114.89	ug/l	85
20) Carbon Disulfide	2.303	76	149710	17.18	ug/l	100
21) t-Butyl Alcohol	2.550	59	20820	85.38	ug/l	96
22) n-Hexane	2.865	57	45931	23.46	ug/l	78
23) Di-isopropyl-ether	3.023	45	233002	20.66	ug/l	86
24) 1,1-Dichloroethene	2.146	61	86748	19.11	ug/l	94
25) Methyl Acetate	2.402	43	54795	20.09	ug/l	100
26) Methyl-t-butyl ether	2.668	73	126963	19.73	ug/l	68
27) 1,1-Dichloroethane	2.994	63	111526	19.33	ug/l	100
28) trans-1,2-Dichloroethene	2.678	96	52669	19.15	ug/l	92
29) cis-1,2-Dichloroethene	3.448	61	90574	19.64	ug/l	88
30) Bromochloromethane	3.640	49	60020	19.64	ug/l	67
31) 2,2-Dichloropropane	3.448	77	66916	26.29	ug/l	92
32) Ethyl acetate	3.502	43	66569	19.91	ug/l	98
33) 1,4-Dioxane	4.729	88	30729	965.40	ug/l	91
34) 1,1-Dichloropropene	3.965	75	74078	19.75	ug/l	95
35) Chloroform	3.700	83	89314	19.69	ug/l	83
37) Cyclohexane	3.887	56	71152	20.69	ug/l	89
39) 1,2-Dichloroethane	4.121	62	82449	19.77	ug/l	99
40) 2-Butanone	3.460	43	28634	21.25	ug/l	98
41) 1,1,1-Trichloroethane	3.851	97	65160	18.98	ug/l	99
42) Carbon Tetrachloride	3.965	117	55728	21.10	ug/l	86
43) Vinyl Acetate	3.023	43	230448	19.77	ug/l	100
44) Bromodichloromethane	4.813	83	82211	19.59	ug/l	99
45) Methylcyclohexane	4.633	83	63089	22.96	ug/l	94
46) Dibromomethane	4.729	174	55127	21.06	ug/l	95
47) 1,2-Dichloropropane	4.657	63	74017	20.17	ug/l	98
48) Trichloroethene	4.518	130	61010	19.48	ug/l	97
49) Benzene	4.109	78	229953	19.71	ug/l	100
50) tert-Amyl methyl ether	4.175	73	144821	19.70	ug/l	76
52) Iso-propylacetate	4.145	43	128934	18.44	ug/l	86
53) Methyl methacrylate	4.711	41	76227	21.90	ug/l	99
54) Dibromochloromethane	5.758	129	71233	19.95	ug/l	87
55) 2-Chloroethylvinylether	4.988	63	40299	17.56	ug/l	91
56) cis-1,3-Dichloropropene	5.078	75	107585	20.06	ug/l	91
57) trans-1,3-Dichloropropene	5.403	75	95381	19.89	ug/l	95
58) Ethyl methacrylate	5.439	41	75096	19.44	ug/l	75
59) 1,1,2-Trichloroethane	5.517	97	58607	19.60	ug/l	83
60) 1,2-Dibromoethane	5.830	107	67695	20.12	ug/l	86
61) 1,3-Dichloropropane	5.613	76	109033	19.98	ug/l	100
62) 4-Methyl-2-Pentanone	5.162	43	77098	18.61	ug/l	83
63) 2-Hexanone	5.649	43	52144	17.28	ug/l	85
64) Tetrachloroethene	5.601	164	57906	20.50	ug/l	99
66) Toluene	5.276	92	154479	19.22	ug/l	100
67) 1,1,1,2-Tetrachloroethane	6.155	133	60097	20.65	ug/l	57

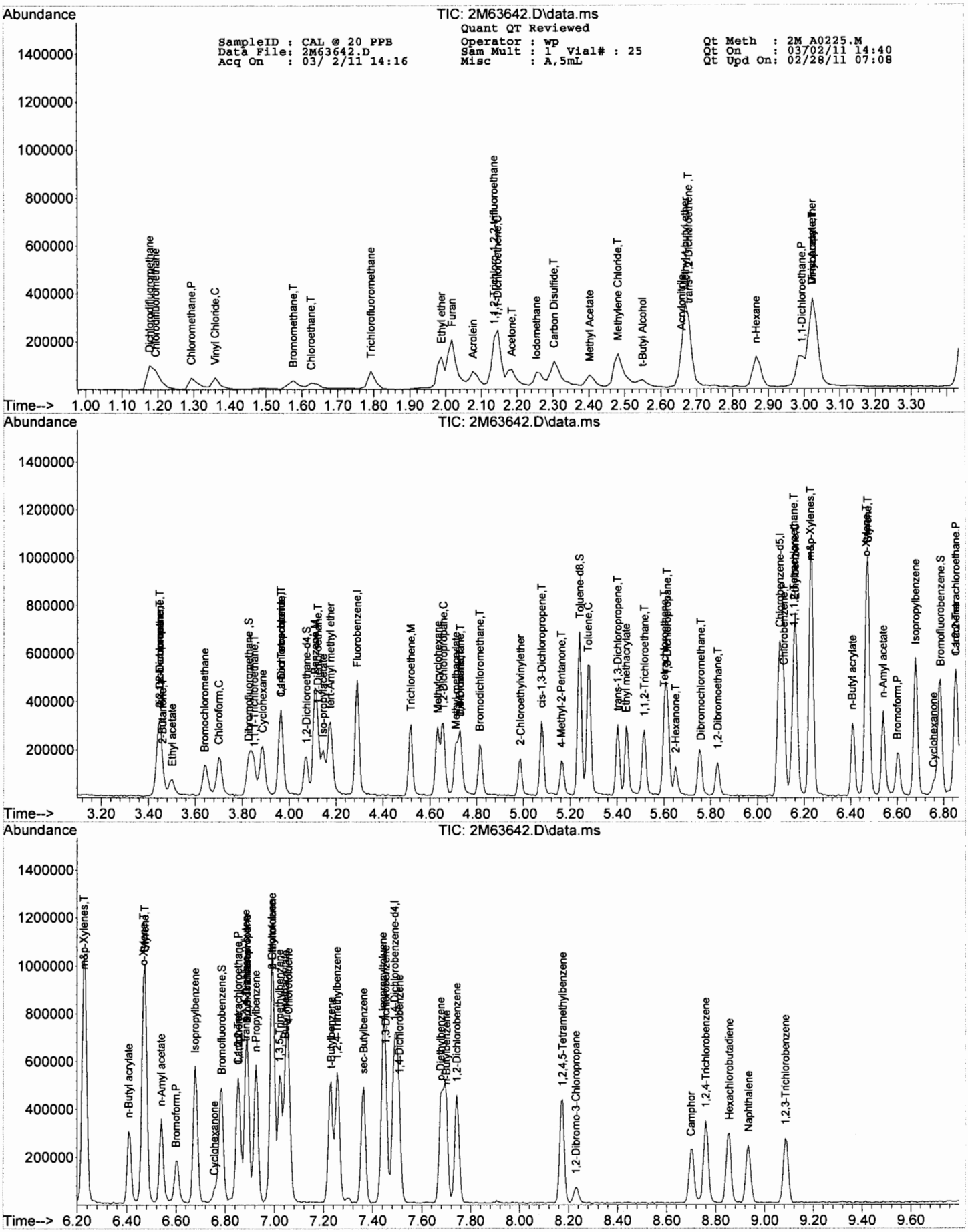
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63642.D Sam Mult : 1 Vial# : 25 Qt On : 03/02/11 14:40
Acq On : 03/ 2/11 14:16 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chlorobenzene	6.112	112	175453	19.22	ug/l	92
70) n-Butyl acrylate	6.407	55	145563	17.76	ug/l	97
71) n-Amyl acetate	6.540	43	150692	18.04	ug/l	92
72) Bromoform	6.600	173	60226	19.51	ug/l	100
73) Ethylbenzene	6.161	106	73520	23.32	ug/l	76
74) 1,1,2,2-Tetrachloroethane	6.852	83	81597	18.88	ug/l	97
76) Styrene	6.473	104	187558	19.44	ug/l	89
77) m&p-Xylenes	6.227	106	210427	39.33	ug/l	81
78) o-Xylene	6.467	106	109964	20.19	ug/l	70
79) trans-1,4-Dichloro-2-b...	6.882	53	26302	29.34	ug/l	49
80) 1,3-Dichlorobenzene	7.454	146	144181	19.28	ug/l	86
81) 1,4-Dichlorobenzene	7.508	146	151815	19.82	ug/l	93
82) 1,2-Dichlorobenzene	7.743	146	145826	20.13	ug/l	85
83) Isopropylbenzene	6.678	105	267979	20.96	ug/l	91
84) Cyclohexanone	6.756	55	20069	125.08	ug/l	94
85) Camphene	6.852	93	70323	21.25	ug/l	96
86) 1,2,3-Trichloropropane	6.888	75	101718	19.79	ug/l	84
87) 2-Chlorotoluene	6.991	91	178880	19.59	ug/l	94
88) p-Ethyltoluene	6.991	105	297768	20.90	ug/l	88
89) 4-Chlorotoluene	7.057	91	188736	22.95	ug/l	90
90) n-Propylbenzene	6.924	91	326575	20.53	ug/l	95
91) Bromobenzene	6.888	77	154228	23.60	ug/l	85
92) 1,3,5-Trimethylbenzene	7.021	105	206127	19.06	ug/l	84
93) Butyl methacrylate	7.045	41	118586	18.05	ug/l	49
94) t-Butylbenzene	7.231	119	210311	20.83	ug/l	76
95) 1,2,4-Trimethylbenzene	7.255	105	236591	21.25	ug/l	87
96) sec-Butylbenzene	7.364	105	255776	20.63	ug/l	97
97) 4-Isopropyltoluene	7.442	119	202554	20.43	ug/l	87
98) n-Butylbenzene	7.700	91	224252	21.02	ug/l	92
99) p-Diethylbenzene	7.676	119	115760	20.29	ug/l	90
100) 1,2,4,5-Tetramethylben...	8.176	119	186513	19.71	ug/l	84
101) 1,2-Dibromo-3-Chloropr...	8.230	157	15694	15.70	ug/l	56
102) Camphor	8.699	95	43984	133.21	ug/l	94
103) Hexachlorobutadiene	8.855	225	60037	19.14	ug/l	93
104) 1,2,4-Trichlorobenzene	8.759	180	102367	20.47	ug/l	93
105) 1,2,3-Trichlorobenzene	9.084	180	80219	17.57	ug/l	93
106) Naphthalene	8.934	128	159508	16.56	ug/l	100

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


Abundance
TIC: 2M63642.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M63642.D
Acq On : 03/ 2/11 14:16
Operator : wp
Sam Mult : 1 Vial# : 25
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/02/11 14:40
Qt Upd On: 02/28/11 07:08
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time--> 1.00 1.10 1.20 1.30 1.40 1.50 1.60 1.70 1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80 2.90 3.00 3.10 3.20 3.30
Abundance
TIC: 2M63642.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
Time--> 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60 5.80 6.00 6.20 6.40 6.60 6.80
Abundance
TIC: 2M63642.D\data.ms
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time--> 6.20 6.40 6.60 6.80 7.00 7.20 7.40 7.60 7.80 8.00 8.20 8.40 8.60 8.80 9.00 9.20 9.40 9.60

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63684.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/3/2011 8:28:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.28	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.18	18.66				0.824			
Dichlorodifluoromethane	1	0		1.18	19.93	20			0.339	0.338	0.35	
Chloromethane	1	0	CP	1.29	20.61	20	0.1		0.396	0.383	3.05	
Bromomethane	1	0		1.56	19.61	20			0.176	0.172	1.95	
Vinyl Chloride	1	0	CC	1.36	19.83	20	20		0.288	0.285	0.85	
Chloroethane	1	0		1.63	18.02	20			0.166	0.166	9.90	
Trichlorofluoromethane	1	0		1.79	21.24	20			0.296	0.315	6.20	
Ethyl ether	1	0		1.98	19.49	20			0.345	0.336	2.55	
Furan	1	0		2.01	22.92	20			0.972	1.114	14.60	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.13	22.91	20			0.176	0.202	14.55	
Methylene Chloride	1	0		2.47	21.07	20			0.366	0.386	5.35	
Acrolein	1	0		2.07	108.84	100			0.042	0.049	8.84	
Acrylonitrile	1	0		2.65	20.64	20			0.132	0.137	3.20	
Iodomethane	1	0		2.24	14.46	20			0.524	0.513	27.70	
Acetone	1	0		2.17	112.00	100			0.114	0.103	12.00	
Carbon Disulfide	1	0		2.29	18.48	20			1.012	0.935	7.60	
t-Butyl Alcohol	1	0		2.54	75.38	100			0.028	0.021	24.62	
n-Hexane	1	0		2.86	23.73	20			0.227	0.270	18.65	
Di-isopropyl-ether	1	0		3.01	21.96	20			1.310	1.438	9.80	
1.1-Dichloroethene	1	0	CC	2.14	20.12	20	20		0.527	0.531	0.60	
Methyl Acetate	1	0		2.39	19.97	20			0.317	0.316	0.15	
Methyl-t-butyl ether	1	0		2.66	20.12	20			0.747	0.752	0.60	
1.1-Dichloroethane	1	0	CP	2.97	21.20	20	0.1		0.670	0.710	6.00	
trans-1.2-Dichloroethene	1	0		2.66	20.37	20			0.319	0.325	1.85	
cis-1.2-Dichloroethene	1	0		3.43	21.13	20			0.536	0.566	5.65	
Bromochloromethane	1	0		3.63	21.34	20			0.355	0.379	6.70	
2.2-Dichloropropane	1	0		3.43	27.22	20			0.296	0.402	36.10	
Ethyl acetate	1	0		3.48	18.63				0.388			
1.4-Dioxane	1	0		4.72	940.52	1000			0.004	0.003	5.95	
1.1-Dichloropropene	1	0		3.95	19.86	20			0.436	0.433	0.70	
Chloroform	1	0	CC	3.68	21.05	20	20		0.527	0.554	5.25	
Dibromofluoromethane	1	0	S	3.81	29.59	30			0.249	0.245	1.37	
Cyclohexane	1	0		3.87	21.04	20			0.399	0.420	5.20	
1.2-Dichloroethane-d4	1	0	S	4.05	28.52	30			0.158	0.150	4.93	
1.2-Dichloroethane	1	0		4.11	20.24	20			0.484	0.490	1.20	
2-Butanone	1	0		3.44	20.08	20			0.156	0.157	0.40	
1.1.1-Trichloroethane	1	0		3.83	20.42	20			0.399	0.407	2.10	
Carbon Tetrachloride	1	0		3.95	23.50	20			0.307	0.360	17.50	
Vinyl Acetate	1	0		3.00	20.46	20			1.242	1.385	2.30	
Bromodichloromethane	1	0		4.80	23.18	20			0.487	0.565	15.90	
Methylcyclohexane	1	0		4.62	22.54	20			0.319	0.360	12.70	
Dibromomethane	1	0		4.71	25.42	20			0.304	0.387	27.10	
1.2-Dichloropropane	1	0	CC	4.64	21.55	20	20		0.426	0.459	7.75	
Trichloroethene	1	0		4.50	21.13	20			0.364	0.384	5.65	
Benzene	1	0		4.10	20.93	20			1.355	1.418	4.65	
tert-Amyl methyl ether	1	0		4.16	22.00	20			0.854	0.939	10.00	
Chlorobenzene-d5	1	0	I	6.08	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.13	18.08				0.904			
Methyl methacrylate	1	0		4.70	18.41				0.509			
Dibromochloromethane	1	0		5.74	21.50	20			0.497	0.534	7.50	
2-Chloroethylvinylether	1	0		4.97	18.33	20			0.319	0.293	8.35	
cis-1.3-Dichloropropene	1	0		5.07	21.05	20			0.747	0.786	5.25	
trans-1.3-Dichloropropene	1	0		5.39	20.29	20			0.667	0.677	1.45	
Ethyl methacrylate	1	0		5.43	19.00				0.551			
1.1.2-Trichloroethane	1	0		5.50	20.08	20			0.416	0.418	0.40	
1.2-Dibromoethane	1	0		5.81	21.32	20			0.468	0.499	6.60	
1.3-Dichloropropane	1	0		5.60	20.29	20			0.760	0.771	1.45	
4-Methyl-2-Pentanone	1	0		5.15	17.25	20			0.564	0.497	13.75	
2-Hexanone	1	0		5.63	16.69	20			0.399	0.351	16.55	
Tetrachloroethene	1	0		5.59	22.15	20			0.393	0.435	10.75	
Toluene-d8	1	0	S	5.22	27.42	30			1.326	1.212	8.60	
Toluene	1	0	CC	5.26	20.08	20	20		1.119	1.123	0.40	
1.1.1.2-Tetrachloroethane	1	0		6.14	21.93	20			0.405	0.444	9.65	
Chlorobenzene	1	0	CP	6.09	20.92	20	0.3		1.271	1.329	4.60	
1.4-Dichlorobenzene-d4	1	0	I	7.47	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.39	16.72				1.775			
n-Amyl acetate	1	0		6.52	16.32				1.680			
Bromoform	1	0	CP	6.59	20.19	20	0.1		0.711	0.717	0.95	
Ethylbenzene	1	0	CC	6.15	24.04	20	20		0.867	0.873	20.20	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63684.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/3/2011 8:28:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.83	18.66	20	0.3		0.995	0.929	6.70	
Bromofluorobenzene	1	0	S	6.77	29.97	30			0.937	0.936	0.10	
Styrene	1	0		6.45	21.15	20			2.221	2.349	5.75	
m&p-Xylenes	1	0		6.21	41.00	40			1.232	1.263	2.50	
o-Xylene	1	0		6.45	20.95	20			1.254	1.314	4.75	
trans-1.4-Dichloro-2-butene	1	0		6.87	23.11	20			0.253	0.239	15.55	
1.3-Dichlorobenzene	1	0		7.44	21.61	20			1.723	1.861	8.05	
1.4-Dichlorobenzene	1	0		7.48	22.08	20			1.764	1.947	10.40	
1.2-Dichlorobenzene	1	0		7.72	21.88	20			1.668	1.825	9.40	
Isopropylbenzene	1	0		6.66	21.00	20			2.944	3.092	5.00	
Cyclohexanone	1	0		6.74	114.01				0.037			
Camphene	1	0		6.83	19.73	20			0.762	0.752	1.35	
1.2.3-Trichloropropane	1	0		6.87	19.93	20			1.184	1.180	0.35	
2-Chlorotoluene	1	0		6.97	19.65	20			2.103	2.066	1.75	
p-Ethyltoluene	1	0		6.97	21.22				3.281			
4-Chlorotoluene	1	0		7.04	21.57	20			1.894	2.043	7.85	
n-Propylbenzene	1	0		6.91	20.81	20			3.663	3.811	4.05	
Bromobenzene	1	0		6.87	23.79	20			1.782	1.790	18.95	
1.3.5-Trimethylbenzene	1	0		7.00	19.51	20			2.491	2.430	2.45	
Butyl methacrylate	1	0		7.03	17.39				1.383			
t-Butylbenzene	1	0		7.21	20.76	20			2.325	2.414	3.80	
1.2.4-Trimethylbenzene	1	0		7.24	21.06	20			2.564	2.700	5.30	
sec-Butylbenzene	1	0		7.35	19.96	20			2.855	2.850	0.20	
4-Isopropyltoluene	1	0		7.42	20.45	20			2.283	2.334	2.25	
n-Butylbenzene	1	0		7.68	20.95	20			2.457	2.574	4.75	
p-Diethylbenzene	1	0		7.66	20.95				1.299			
1.2.4.5-Tetramethylbenzene	1	0		8.15	19.81				2.080			
1.2-Dibromo-3-Chloropropane	1	0		8.21	16.02	20			0.218	0.184	19.90	
Camphor	1	0		8.68	120.82	200			0.072	0.046	39.59	
Hexachlorobutadiene	1	0		8.83	20.73	20			0.722	0.749	3.65	
1.2.4-Trichlorobenzene	1	0		8.74	22.23	20			1.152	1.280	11.15	
1.2.3-Trichlorobenzene	1	0		9.07	18.94	20			1.051	0.996	5.30	
Naphthalene	1	0		8.92	14.84	20			2.089	1.646	25.80	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63684.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 08:28 Misc : A,5mL Qt Upd On: 03/03/11 11:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.277	96	286529	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.076	117	251684	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.472	152	155165	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.808	111	70299	29.59	ug/l	-0.04
Spiked Amount 30.000			Recovery = 98.63%			
38) 1,2-Dichloroethane-d4	4.055	67	42916	28.52	ug/l	-0.04
Spiked Amount 30.000			Recovery = 95.07%			
65) Toluene-d8	5.222	98	305092	27.42	ug/l	-0.04
Spiked Amount 30.000			Recovery = 91.40%			
75) Bromofluorobenzene	6.768	174	145249	29.97	ug/l	-0.04
Spiked Amount 30.000			Recovery = 99.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.176	51	105771	18.66	ug/l	99
6) Dichlorodifluoromethane	1.176	85	64536	19.93	ug/l	87
7) Chloromethane	1.292	50	73245	20.61	ug/l	81
8) Bromomethane	1.559	94	32919	19.61	ug/l	83
9) Vinyl Chloride	1.359	62	54506	19.83	ug/l	97
10) Chloroethane	1.625	64	31778	18.02	ug/l	97
11) Trichlorofluoromethane	1.792	101	60140	21.24	ug/l	86
12) Ethyl ether	1.978	59	64170	19.49	ug/l	83
13) Furan	2.007	39	212760	22.92	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.126	101	38516	22.91	ug/l	96
15) Methylene Chloride	2.471	84	73666	21.07	ug/l	92
16) Acrolein	2.067	56	46773	108.84	ug/l	93
17) Acrylonitrile	2.648	53	26079	20.64	ug/l	82
18) Iodomethane	2.244	142	98011	14.46	ug/l	94
19) Acetone	2.165	43	98731	112.00	ug/l	91
20) Carbon Disulfide	2.293	76	178610	18.48	ug/l	100
21) t-Butyl Alcohol	2.540	59	20390	75.38	ug/l	92
22) n-Hexane	2.855	57	51535	23.73	ug/l	72
23) Di-isopropyl-ether	3.013	45	274666	21.96	ug/l	93
24) 1,1-Dichloroethene	2.136	61	101343	20.12	ug/l	90
25) Methyl Acetate	2.392	43	60402	19.97	ug/l	100
26) Methyl-t-butyl ether	2.658	73	143576	20.12	ug/l	69
27) 1,1-Dichloroethane	2.974	63	135650	21.20	ug/l	100
28) trans-1,2-Dichloroethene	2.658	96	62157	20.37	ug/l	87
29) cis-1,2-Dichloroethene	3.429	61	108108	21.13	ug/l	83
30) Bromochloromethane	3.628	49	72354	21.34	ug/l	77
31) 2,2-Dichloropropane	3.429	77	76875	27.22	ug/l	91
32) Ethyl acetate	3.483	43	69096	18.63	ug/l	99
33) 1,4-Dioxane	4.717	88	33209	940.52	ug/l	69
34) 1,1-Dichloropropene	3.947	75	82667	19.86	ug/l	93
35) Chloroform	3.682	83	105883	21.05	ug/l	83
37) Cyclohexane	3.868	56	80261	21.04	ug/l	89
39) 1,2-Dichloroethane	4.109	62	93640	20.24	ug/l	97
40) 2-Butanone	3.441	43	30010	20.08	ug/l	88
41) 1,1,1-Trichloroethane	3.832	97	77793	20.42	ug/l	86
42) Carbon Tetrachloride	3.953	117	68838	23.50	ug/l	95
43) Vinyl Acetate	3.003	43	264578	20.46	ug/l	100
44) Bromodichloromethane	4.801	83	107903	23.18	ug/l	98
45) Methylcyclohexane	4.620	83	68699	22.54	ug/l	95
46) Dibromomethane	4.711	174	73832	25.42	ug/l	85
47) 1,2-Dichloropropane	4.638	63	87746	21.55	ug/l	95
48) Trichloroethene	4.500	130	73406	21.13	ug/l	94
49) Benzene	4.097	78	270776	20.93	ug/l	100
50) tert-Amyl methyl ether	4.157	73	179415	22.00	ug/l	74
52) Iso-propylacetate	4.133	43	147615	18.08	ug/l	69
53) Methyl methacrylate	4.698	41	74851	18.41	ug/l	85
54) Dibromochloromethane	5.739	129	89644	21.50	ug/l	97
55) 2-Chloroethylvinylether	4.969	63	49117	18.33	ug/l	80
56) cis-1,3-Dichloropropene	5.065	75	131820	21.05	ug/l	85
57) trans-1,3-Dichloropropene	5.390	75	113633	20.29	ug/l	100
58) Ethyl methacrylate	5.426	41	85719	19.00	ug/l	72
59) 1,1,2-Trichloroethane	5.499	97	70105	20.08	ug/l	79
60) 1,2-Dibromoethane	5.811	107	83769	21.32	ug/l	100
61) 1,3-Dichloropropane	5.601	76	129294	20.29	ug/l	93
62) 4-Methyl-2-Pentanone	5.150	43	83450	17.25	ug/l	98
63) 2-Hexanone	5.631	43	58818	16.69	ug/l	90
64) Tetrachloroethene	5.589	164	73045	22.15	ug/l	99
66) Toluene	5.264	92	188417	20.08	ug/l	93
67) 1,1,1,2-Tetrachloroethane	6.136	133	74533	21.93	ug/l	51

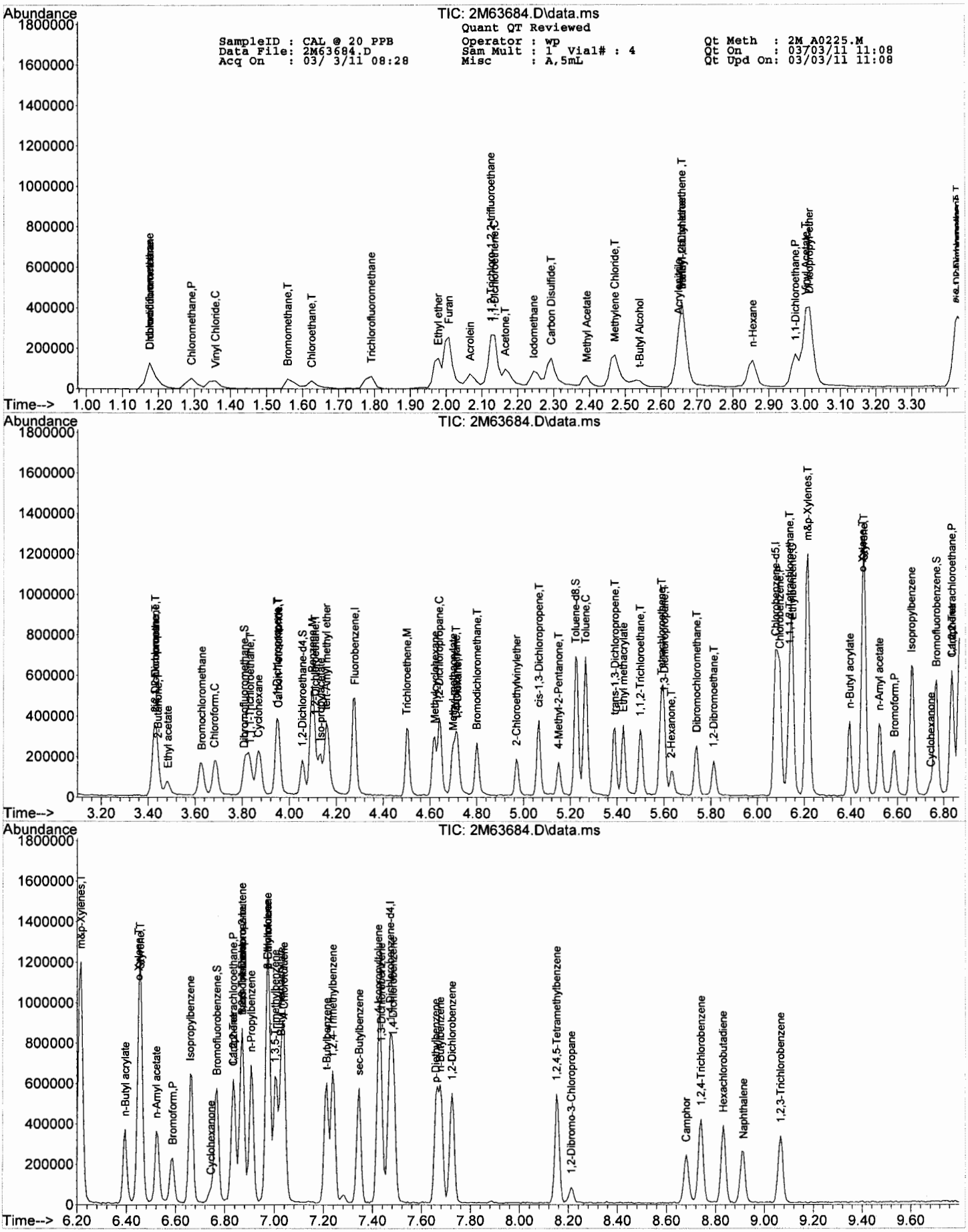
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63684.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 08:28 Misc : A,5mL Qt Upd On: 03/03/11 11:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.094	112	223048	20.92	ug/l	98
70)	n-Butyl acrylate	6.395	55	163299	16.72	ug/l	95
71)	n-Amyl acetate	6.521	43	162339	16.32	ug/l	87
72)	Bromoform	6.587	173	74204	20.19	ug/l	98
73)	Ethylbenzene	6.148	106	90264	24.04	ug/l	78
74)	1,1,2,2-Tetrachloroethane	6.834	83	96094	18.66	ug/l	98
76)	Styrene	6.455	104	242954	21.15	ug/l	84
77)	m&p-Xylenes	6.214	106	261327	41.00	ug/l	78
78)	o-Xylene	6.449	106	135906	20.95	ug/l	68
79)	trans-1,4-Dichloro-2-b...	6.870	53	24679	23.11	ug/l	25
80)	1,3-Dichlorobenzene	7.435	146	192507	21.61	ug/l	83
81)	1,4-Dichlorobenzene	7.484	146	201409	22.08	ug/l	90
82)	1,2-Dichlorobenzene	7.724	146	188822	21.88	ug/l	85
83)	Isopropylbenzene	6.660	105	319872	21.00	ug/l	90
84)	Cyclohexanone	6.744	55	21790	114.01	ug/l	91
85)	Camphene	6.834	93	77767	19.73	ug/l	91
86)	1,2,3-Trichloropropane	6.870	75	122017	19.93	ug/l	87
87)	2-Chlorotoluene	6.972	91	213747	19.65	ug/l	94
88)	p-Ethyltoluene	6.972	105	360124	21.22	ug/l	88
89)	4-Chlorotoluene	7.038	91	211294	21.57	ug/l	87
90)	n-Propylbenzene	6.906	91	394191	20.81	ug/l	94
91)	Bromobenzene	6.870	77	185213	23.79	ug/l	75
92)	1,3,5-Trimethylbenzene	7.002	105	251325	19.51	ug/l	81
93)	Butyl methacrylate	7.026	41	136060	17.39	ug/l	80
94)	t-Butylbenzene	7.213	119	249671	20.76	ug/l	75
95)	1,2,4-Trimethylbenzene	7.237	105	279265	21.06	ug/l	83
96)	sec-Butylbenzene	7.345	105	294779	19.96	ug/l	95
97)	4-Isopropyltoluene	7.423	119	241482	20.45	ug/l	86
98)	n-Butylbenzene	7.676	91	266249	20.95	ug/l	90
99)	p-Diethylbenzene	7.658	119	142418	20.95	ug/l	86
100)	1,2,4,5-Tetramethylben...	8.151	119	223339	19.81	ug/l	79
101)	1,2-Dibromo-3-Chloropr...	8.211	157	19082	16.02	ug/l	46
102)	Camphor	8.681	95	47522	120.82	ug/l	92
103)	Hexachlorobutadiene	8.831	225	77470	20.73	ug/l	96
104)	1,2,4-Trichlorobenzene	8.741	180	132431	22.23	ug/l	93
105)	1,2,3-Trichlorobenzene	9.066	180	103014	18.94	ug/l	95
106)	Naphthalene	8.915	128	170307	14.84	ug/l	100

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


TIC: 2M63684.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M63684.D
Acq On : 03/ 3/11 08:28
Operator : wp
Sam Mult : 1 Vial# : 4
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03703/11 11:08
Qt Upd On: 03/03/11 11:08
Abundance
Time-->

SPLP
GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE **Data File:** 6M65279.D
Instrument: GCMS 6 **Analysis Date:** 02/02/11 09:25
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.113 to 4.143 min

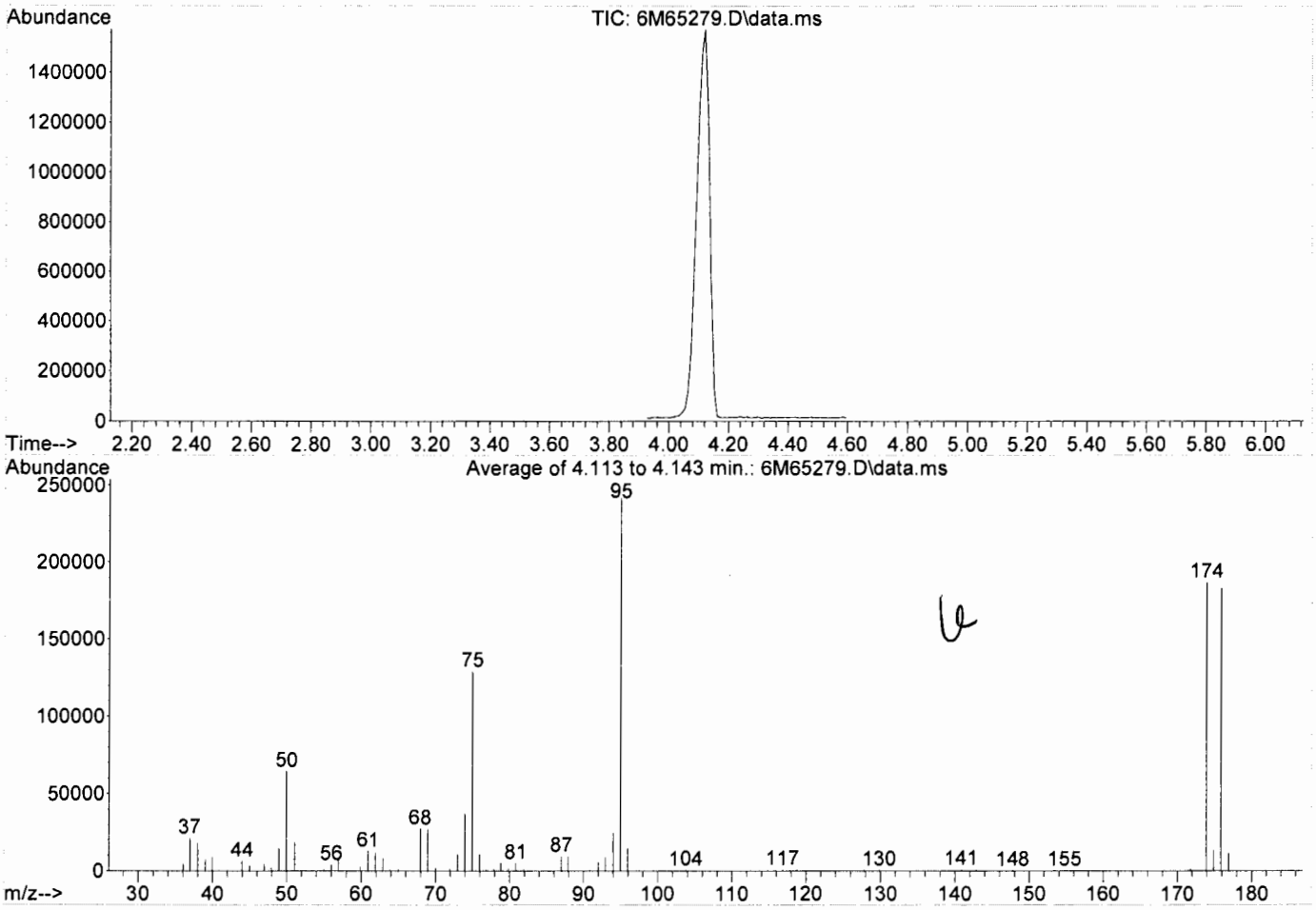
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.8	64744	PASS
75	95	30	60	53.5	129274	PASS
95	95	100	100	100.0	241702	PASS
96	95	5	9	6.1	14813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	186886	PASS
175	174	5	9	7.1	13177	PASS
176	174	95	101	97.9	183028	PASS
177	176	5	9	6.3	11451	PASS

Data File	Sample Number	Analysis Date:
6M65280.D	BLK	02/02/11 09:36
6M65281.D	CAL @ 1 PPB	02/02/11 09:52
6M65282.D	CAL @ 0.5 PPB	02/02/11 10:09
6M65283.D	CAL @ 5 PPB	02/02/11 10:25
6M65284.D	CAL @ 500 PPB	02/02/11 10:48
6M65285.D	CAL @ 250 PPB	02/02/11 11:06
6M65286.D	CAL @ 100 PPB	02/02/11 11:22
6M65287.D	CAL @ 50 PPB	02/02/11 11:40
6M65288.D	CAL @ 20 PPB	02/02/11 11:56
6M65289.D	CAL @ 10 PPB	02/02/11 12:13
6M65290.D	BLK	02/02/11 12:29
6M65291.D	20 PPB	02/02/11 12:46
6M65292.D	20 PPB	02/02/11 13:02
6M65293.D	ICV	02/02/11 13:30
6M65294.D	BLK	02/02/11 13:46
6M65295.D	DAILY BLANK	02/02/11 14:05
6M65296.D	DAILY BLANK	02/02/11 14:21
6M65297.D	MBS5772	02/02/11 14:37
6M65298.D	MBS5774	02/02/11 14:54
6M65299.D	BLK	02/02/11 15:10
6M65300.D	20ppb(1/31)	02/02/11 15:26
6M65301.D	20ppb(2/1)	02/02/11 15:45
6M65302.D	20ppb(2/1)	02/02/11 16:01
6M65303.D	AC57073-002	02/02/11 16:22
6M65304.D	AC57073-005	02/02/11 16:38
6M65305.D	BLK	02/02/11 16:55
6M65306.D	AC57073-009	02/02/11 17:11
6M65307.D	AC57073-008	02/02/11 17:27
6M65308.D	AC57073-007	02/02/11 17:44
6M65309.D	BLK	02/03/11 07:01

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Data File : 6M65279.D
Acq On : 2 Feb 2011 9:25
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_1\MethodQt\1M_S0104.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Jan 04 11:28:15 2011



Spectrum Information: Average of 4.113 to 4.143 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.8	64744	PASS
75	95	30	60	53.5	129274	PASS
95	95	100	100	100.0	241702	PASS
96	95	5	9	6.1	14813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	186886	PASS
175	174	5	9	7.1	13177	PASS
176	174	95	101	97.9	183028	PASS
177	176	5	9	6.3	11451	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M87517.D
Analysis Date: 02/09/11 09:13
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.437 min

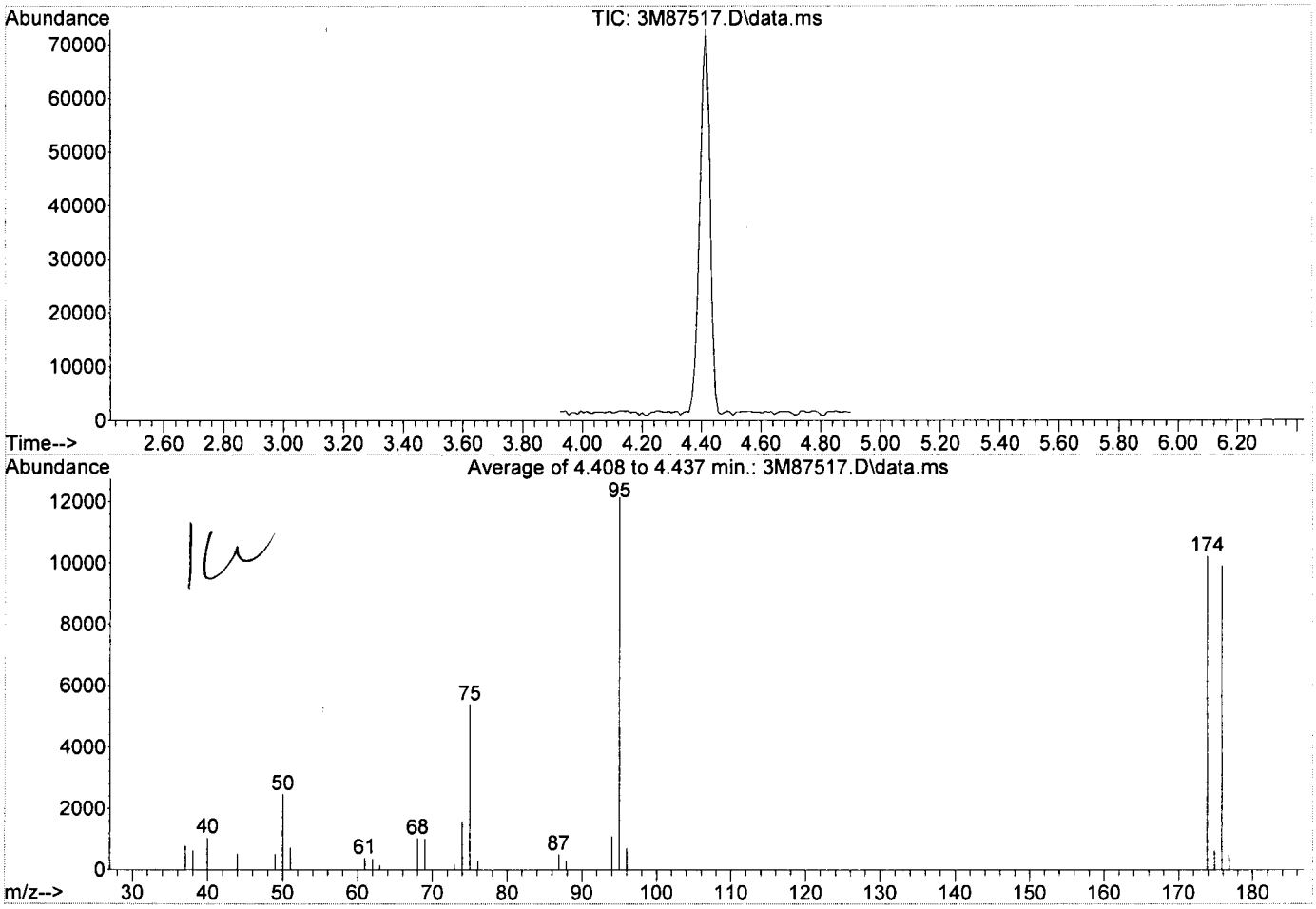
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.3	2470	PASS
75	95	30	60	44.4	5393	PASS
95	95	100	100	100.0	12141	PASS
96	95	5	9	5.8	708	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	10227	PASS
175	174	5	9	6.1	621	PASS
176	174	95	101	97.0	9919	PASS
177	176	5	9	5.4	537	PASS

Data File	Sample Number	Analysis Date:
3M87518.D	BLK	02/09/11 09:23
3M87519.D	CAL @ 1 PPB	02/09/11 09:40
3M87520.D	CAL @ 0.5 PPB	02/09/11 09:59
3M87521.D	CAL @ 5 PPB	02/09/11 10:18
3M87522.D	CAL @ 500 PPB	02/09/11 10:35
3M87523.D	CAL @ 250 PPB	02/09/11 10:52
3M87524.D	CAL @ 100 PPB	02/09/11 11:08
3M87525.D	CAL @ 50 PPB	02/09/11 11:25
3M87526.D	CAL @ 20 PPB	02/09/11 11:41
3M87527.D	CAL @ 10 PPB	02/09/11 11:58
3M87528.D	BLK	02/09/11 12:15
3M87529.D	ICV	02/09/11 12:31
3M87530.D	20 PPB	02/09/11 12:48
3M87531.D	DAILY BLANK	02/09/11 13:04
3M87532.D	DAILY BLANK	02/09/11 13:21
3M87533.D	1 PPB	02/09/11 13:38
3M87534.D	MBS5983	02/09/11 13:54
3M87535.D	BLK	02/09/11 14:11
3M87536.D	BLK	02/09/11 14:27
3M87537.D	MBS5993	02/09/11 14:44
3M87538.D	57040-001	02/09/11 15:01
3M87539.D	20 PPB	02/09/11 15:17
3M87540.D	AC57040-001(50X)	02/09/11 15:37
3M87541.D	AC57040-002(50X)	02/09/11 15:58
3M87542.D	AC57040-003(50X)	02/09/11 16:20
3M87543.D	20 PPB	02/09/11 16:40
3M87544.D	MBS5988	02/09/11 16:57
3M87545.D	57180-001	02/09/11 17:14
3M87546.D	57180-004	02/09/11 17:30
3M87547.D	BLK	02/09/11 17:47
3M87548.D	AC57171-011	02/09/11 18:04
3M87549.D	AC57171-012	02/09/11 18:20
3M87550.D	AC57171-013	02/09/11 18:37
3M87551.D	AC57182-004	02/09/11 18:54
3M87552.D	AC57171-001	02/09/11 19:10
3M87553.D	AC57171-002	02/09/11 19:26
3M87554.D	AC57171-003	02/09/11 19:43
3M87555.D	AC57171-004	02/09/11 19:59
3M87556.D	AC57171-005	02/09/11 20:16
3M87557.D	AC57080-001(MS)	02/09/11 20:33
3M87558.D	AC57080-001(MSD	02/09/11 20:49
3M87559.D	BLK	02/09/11 21:06
3M87560.D	AC57171-007	02/09/11 21:22
3M87561.D	AC57171-008	02/09/11 21:38
3M87562.D	AC57171-009	02/09/11 21:55
3M87563.D	AC57171-010	02/09/11 22:11
3M87564.D	AC57171-014	02/09/11 22:27
3M87565.D	BLK	02/09/11 22:44
3M87566.D	AC57182-001	02/09/11 23:00
3M87567.D	AC57182-002(50X)	02/09/11 23:19
3M87568.D	AC57182-003(50X)	02/09/11 23:41
3M87569.D	AC57171-006(50X)	02/10/11 00:02
3M87570.D	MBS5989	02/10/11 00:21
3M87571.D	BLK	02/10/11 00:37
3M87572.D	BLK	02/10/11 00:53
3M87573.D	BLK	02/10/11 01:10
3M87574.D	BLK	02/10/11 01:27
3M87575.D	BLK	02/10/11 01:43
3M87576.D	BLK	02/10/11 01:59
3M87577.D	BLK	02/10/11 02:16
3M87578.D	BLK	02/10/11 02:32

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Data File : 3M87517.D
Acq On : 9 Feb 2011 9:13
Operator : WP
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0203.M
Title : @GCMS_3,ug,624,8260
Last Update : Thu Feb 03 11:31:28 2011



Spectrum Information: Average of 4.408 to 4.437 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	2470	PASS
75	95	30	60	44.4	5393	PASS
95	95	100	100	100.0	12141	PASS
96	95	5	9	5.8	708	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	10227	PASS
175	174	5	9	6.1	621	PASS
176	174	95	101	97.0	9919	PASS
177	176	5	9	5.4	537	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65415.D
Analysis Date: 02/11/11 09:41
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

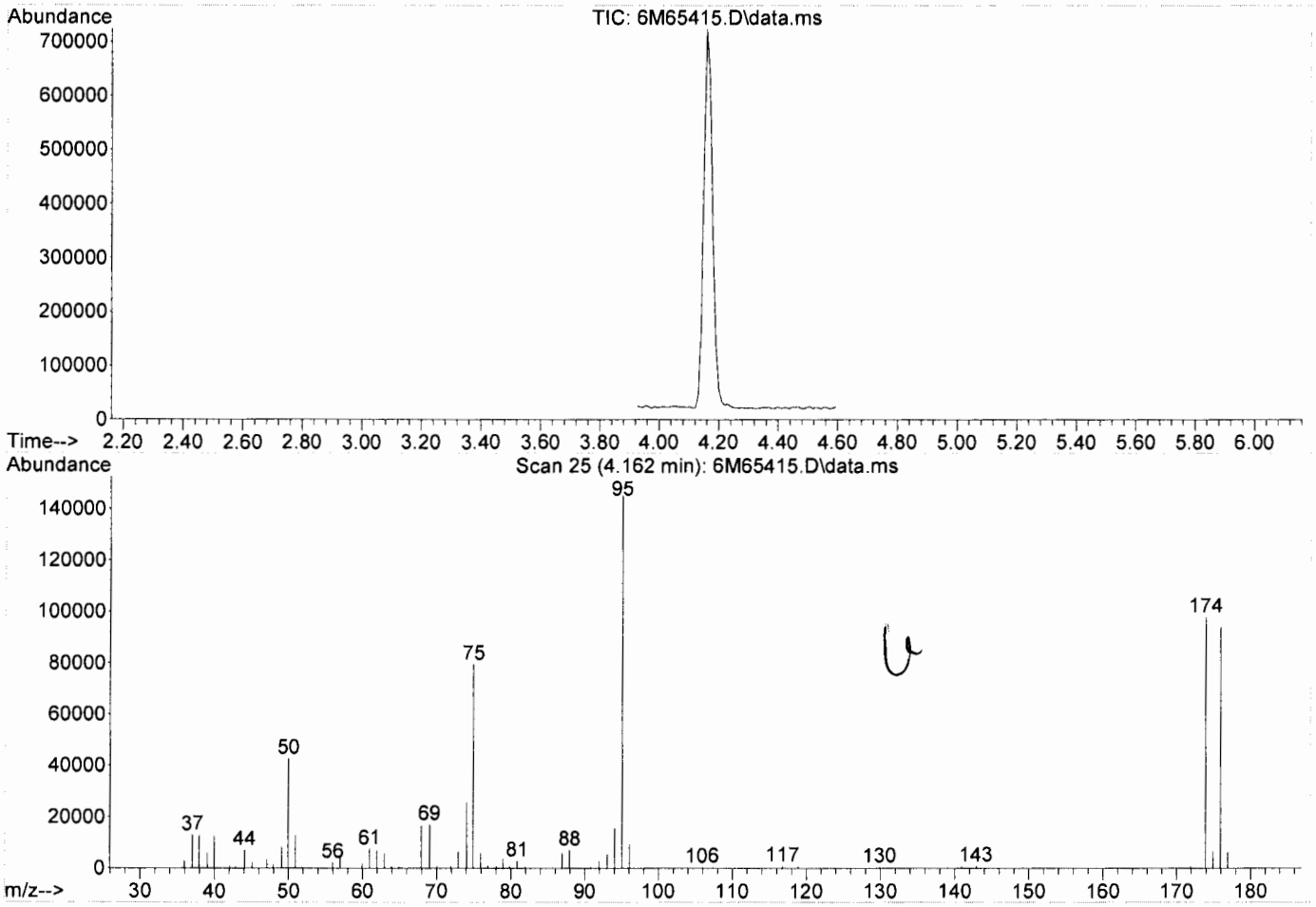
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.4	42672	PASS
75	95	30	60	54.8	79528	PASS
95	95	100	100	100.0	145024	PASS
96	95	5	9	6.3	9204	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.4	97776	PASS
175	174	5	9	6.8	6640	PASS
176	174	95	101	96.0	93912	PASS
177	176	5	9	6.7	6292	PASS

Data File	Sample Number	Analysis Date:
6M65416.D	20 PPB	02/11/11 09:57
6M65417.D	CAL @ 20 PPB	02/11/11 10:15
6M65418.D	BLKHCL	02/11/11 10:38
6M65419.D	DAILY BLANK	02/11/11 10:55
6M65420.D	DAILY BLANK	02/11/11 11:11
6M65421.D	MBS6005	02/11/11 11:28
6M65422.D	MBS6006	02/11/11 11:44
6M65423.D	BLKJUG2	02/11/11 12:02
6M65424.D	AC57228-004	02/11/11 12:18
6M65425.D	AC57228-005	02/11/11 12:35
6M65426.D	AC57229-001	02/11/11 12:51
6M65427.D	AC57229-002	02/11/11 13:07
6M65428.D	AC57232-003	02/11/11 13:24
6M65429.D	AC57232-007	02/11/11 13:40
6M65430.D	AC57232-008	02/11/11 13:57
6M65431.D	AC57232-009	02/11/11 14:13
6M65432.D	AC57199-001	02/11/11 14:29
6M65433.D	BLK	02/11/11 14:46
6M65434.D	AC57205-019	02/11/11 15:02
6M65435.D	AC57205-020	02/11/11 15:19
6M65436.D	AC57205-021	02/11/11 15:35
6M65437.D	AC57205-022	02/11/11 15:51
6M65438.D	AC57224-003	02/11/11 16:14
6M65439.D	AC57224-004	02/11/11 16:30
6M65440.D	AC57205-023	02/11/11 16:47
6M65441.D	AC57205-024	02/11/11 17:03
6M65442.D	AC57205-025	02/11/11 17:19
6M65443.D	AC57205-026	02/11/11 17:36
6M65444.D	AC57205-016	02/11/11 17:52
6M65445.D	AC57205-015	02/11/11 18:11
6M65446.D	AC57097-001(T)	02/11/11 18:27
6M65447.D	AC57099-001(T)	02/11/11 18:44
6M65448.D	EF-3-1014(2/11/11)	02/11/11 19:00
6M65449.D	AC57199-002	02/11/11 19:16
6M65450.D	AC57216-001	02/11/11 19:33
6M65451.D	AC57229-001(80uL	02/11/11 19:49
6M65452.D	AC57232-001	02/11/11 20:05
6M65453.D	AC57232-002(400u	02/11/11 20:22
6M65454.D	EF-1-V-107674(021	02/11/11 20:38
6M65455.D	57224-007(80uL)	02/11/11 20:54
6M65456.D	57224-008	02/11/11 21:11
6M65457.D	BLK	02/11/11 21:27
6M65458.D	BLK	02/11/11 21:43

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Data File : 6M65415.D
Acq On : 11 Feb 2011 9:41
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_6\MethodQt\6M_A0202.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 02 12:31:37 2011



Spectrum Information: Scan 25

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.4	42672	PASS
75	95	30	60	54.8	79528	PASS
95	95	100	100	100.0	145024	PASS
96	95	5	9	6.3	9204	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.4	97776	PASS
175	174	5	9	6.8	6640	PASS
176	174	95	101	96.0	93912	PASS
177	176	5	9	6.7	6292	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65519.D
Analysis Date: 02/15/11 12:42
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

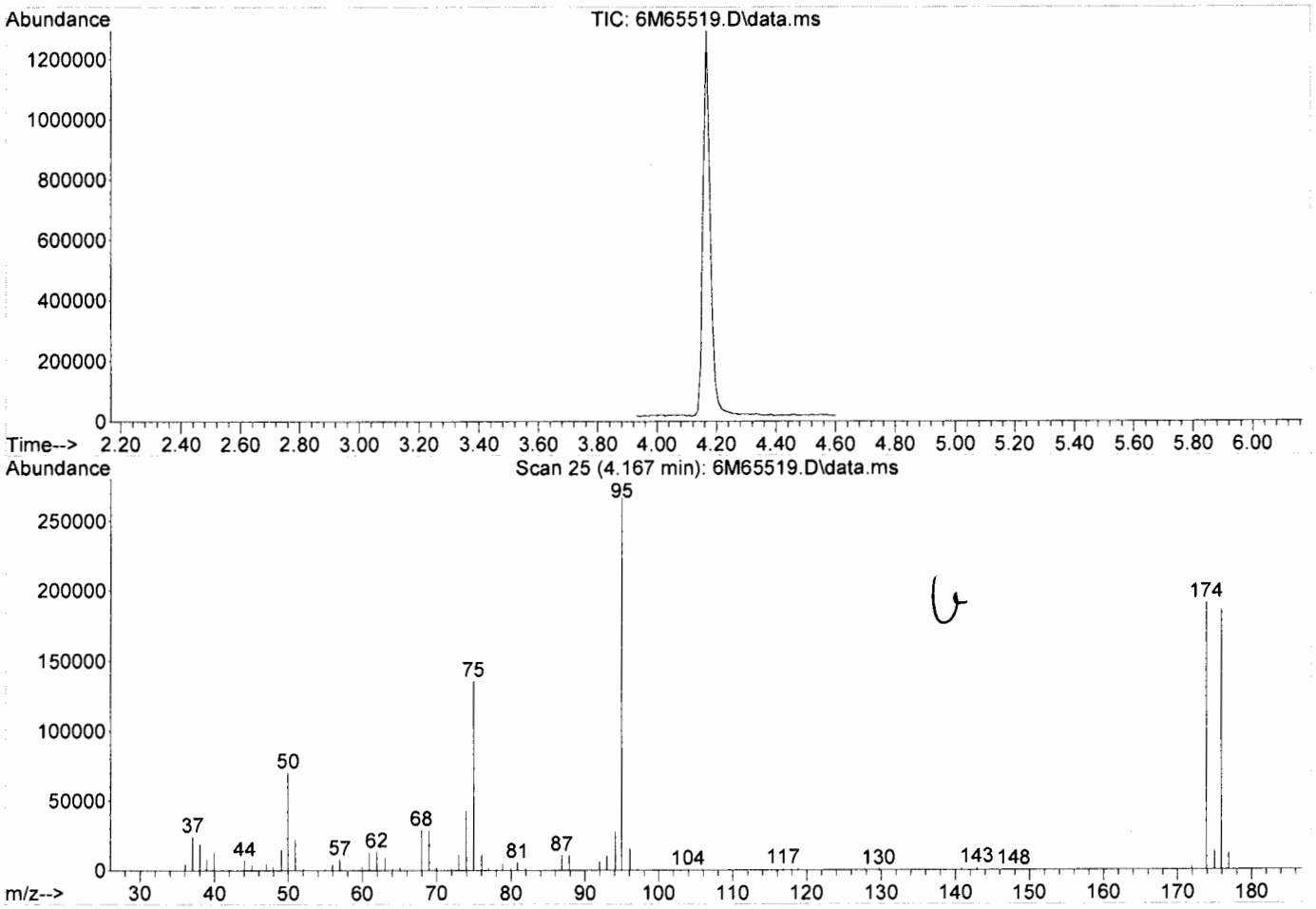
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.3	70216	PASS
75	95	30	60	50.9	135680	PASS
95	95	100	100	100.0	266688	PASS
96	95	5	9	6.0	16059	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.6	191040	PASS
175	174	5	9	7.2	13785	PASS
176	174	95	101	97.5	186176	PASS
177	176	5	9	6.3	11805	PASS

Data File	Sample Number	Analysis Date:
6M65520.D	BLK	02/15/11 12:58
6M65521.D	20 PPB	02/15/11 13:16
6M65522.D	CAL @ 20 PPB	02/15/11 13:38
6M65523.D	BLK	02/15/11 13:55
6M65524.D	DAILY BLANK	02/15/11 14:19
6M65525.D	DAILY BLANK	02/15/11 14:36
6M65526.D	MBS6023	02/15/11 14:56
6M65527.D	MBS6024	02/15/11 15:18
6M65528.D	MBS6025	02/15/11 15:34
6M65529.D	AC57241-001(MS)	02/15/11 15:50
6M65530.D	AC57241-001(MSD	02/15/11 16:07
6M65531.D	MBS6026	02/15/11 16:23
6M65532.D	AC57213-001	02/15/11 16:40
6M65533.D	AC57270-001	02/15/11 16:56
6M65534.D	AC57274-001	02/15/11 17:12
6M65535.D	AC57273-001	02/15/11 17:29
6M65536.D	AC57213-001(MS)	02/15/11 17:45
6M65537.D	AC57213-001(MSD	02/15/11 18:02
6M65538.D	BLK	02/15/11 18:18
6M65539.D	AC57213-003	02/15/11 18:34
6M65540.D	AC57213-002	02/15/11 18:51
6M65541.D	AC57099-004(T)	02/15/11 19:07
6M65542.D	AC57097-004(T)	02/15/11 19:23
6M65543.D	AC57099-005(T)	02/15/11 19:40
6M65544.D	EF-3-1014(2/15/11)	02/15/11 19:56
6M65545.D	EF-3-VO-SPLPMO	02/15/11 20:13
6M65546.D	AC57097-005(T)	02/15/11 20:29
6M65547.D	BLK	02/15/11 20:45
6M65548.D	BLK	02/15/11 21:02
6M65549.D	524INTTEST	02/15/11 21:18

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Data File : 6M65519.D
Acq On : 15 Feb 2011 12:42
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_6\MethodQt\6M_A0202.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 02 12:31:37 2011



Spectrum Information: Scan 25

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.3	70216	PASS
75	95	30	60	50.9	135680	PASS
95	95	100	100	100.0	266688	PASS
96	95	5	9	6.0	16059	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.6	191040	PASS
175	174	5	9	7.2	13785	PASS
176	174	95	101	97.5	186176	PASS
177	176	5	9	6.3	11805	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65639.D
Analysis Date: 02/18/11 16:32
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.116 to 4.116 min

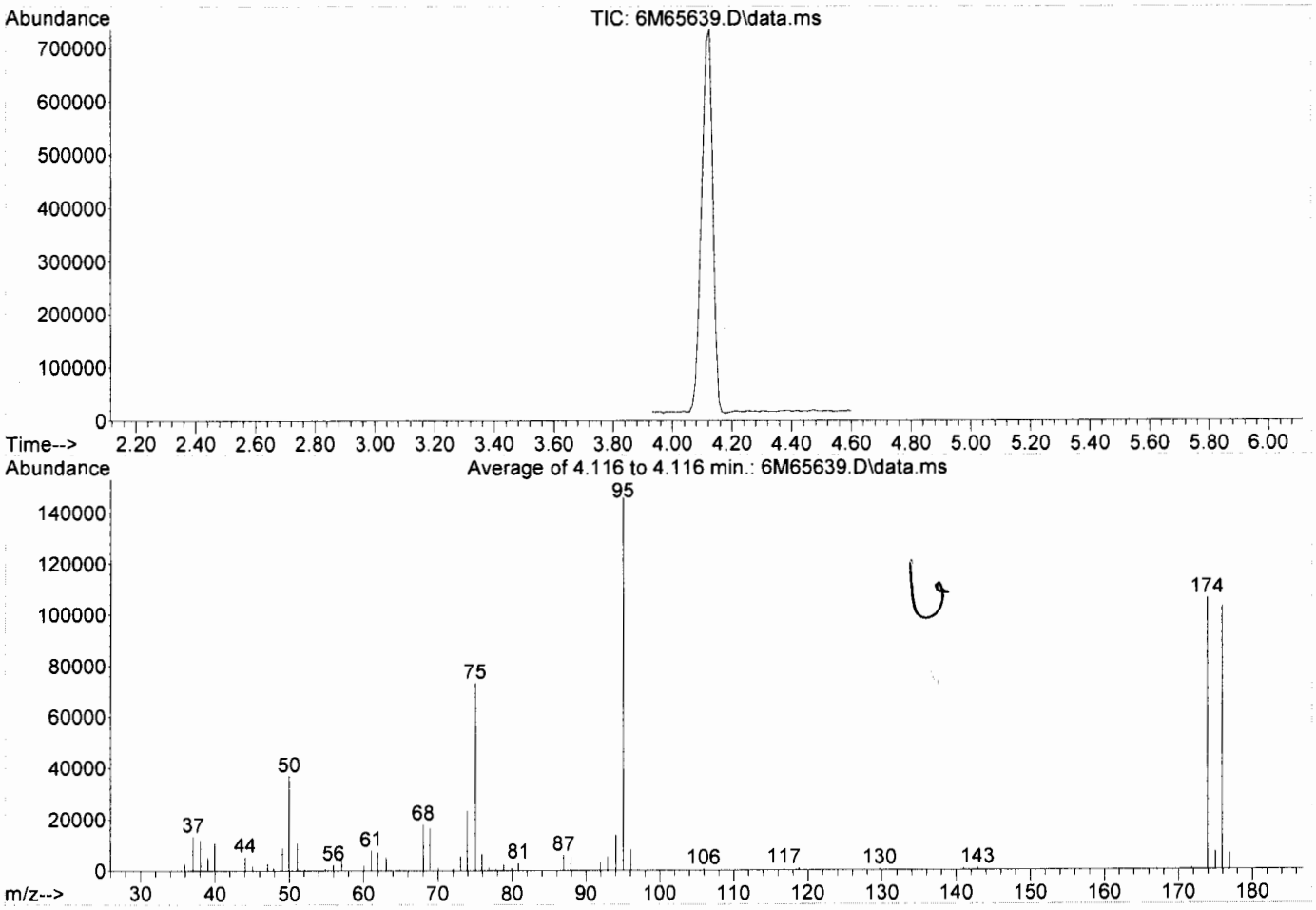
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.4	37056	PASS
75	95	30	60	50.3	73352	PASS
95	95	100	100	100.0	145856	PASS
96	95	5	9	5.7	8325	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.8	106200	PASS
175	174	5	9	6.7	7152	PASS
176	174	95	101	97.1	103096	PASS
177	176	5	9	6.3	6501	PASS

Data File	Sample Number	Analysis Date:
6M65640.D	CAL @ 20 PPB	02/18/11 16:42
6M65641.D	DAILY BLANK	02/18/11 17:00
6M65642.D	DAILY BLANK	02/18/11 17:16
6M65643.D	MBS6063	02/18/11 17:33
6M65644.D	MBS6064	02/18/11 17:49
6M65645.D	AC57263-001(T)	02/18/11 18:05
6M65646.D	AC57198-002(T)	02/18/11 18:22
6M65647.D	AC57263-001(T)	02/18/11 18:40
6M65648.D	AC57198-002(T)	02/18/11 18:57
6M65649.D	AC57097-005(T:M	02/18/11 19:13
6M65650.D	AC57097-005(T:M	02/18/11 19:30
6M65651.D	EF-1-V-108537(021	02/18/11 19:46
6M65652.D	EF-3-V-1014(02171	02/18/11 20:02
6M65653.D	AC57294-001(40uL	02/18/11 20:19
6M65654.D	EF-3-V-1014(02161	02/18/11 20:35
6M65655.D	AC57298-005(80uL	02/18/11 20:52
6M65656.D	EF-3-V-1014(02181	02/18/11 21:08
6M65657.D	AC57099-006(T)	02/18/11 21:24
6M65658.D	AC57099-007(T)	02/18/11 21:41
6M65659.D	AC57099-008(T)	02/18/11 21:57
6M65660.D	BLK	02/18/11 22:14
6M65661.D	AC57312-002	02/18/11 22:30
6M65662.D	AC57312-003	02/18/11 22:46
6M65663.D	AC57312-004	02/18/11 23:03
6M65664.D	AC57312-005	02/18/11 23:19
6M65665.D	AC57312-006	02/18/11 23:35
6M65666.D	AC57312-007	02/18/11 23:52
6M65667.D	BLK	02/19/11 07:36
6M65668.D	AC57300-001	02/19/11 07:53
6M65669.D	AC57300-002	02/19/11 08:12
6M65670.D	AC57300-003	02/19/11 08:29
6M65671.D	AC57300-005	02/19/11 08:45
6M65672.D	AC57300-008	02/19/11 09:01
6M65673.D	BLK	02/19/11 09:18
6M65674.D	AC57332-001	02/19/11 09:34
6M65675.D	MBS6067	02/19/11 09:50
6M65676.D	BLK	02/19/11 10:07
6M65677.D	BLK	02/19/11 10:23
6M65678.D	BLK	02/19/11 10:39
6M65679.D	BLK	02/19/11 10:56

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Data File : 6M65639.D
Acq On : 18 Feb 2011 16:32
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_6\MethodQt\6M_A0202.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 02 12:31:37 2011



Spectrum Information: Average of 4.116 to 4.116 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	37056	PASS
75	95	30	60	50.3	73352	PASS
95	95	100	100	100.0	145856	PASS
96	95	5	9	5.7	8325	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.8	106200	PASS
175	174	5	9	6.7	7152	PASS
176	174	95	101	97.1	103096	PASS
177	176	5	9	6.3	6501	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 3M88068.D
Instrument: GCMS 3 **Analysis Date:** 02/22/11 09:55
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.428 to 4.428 min

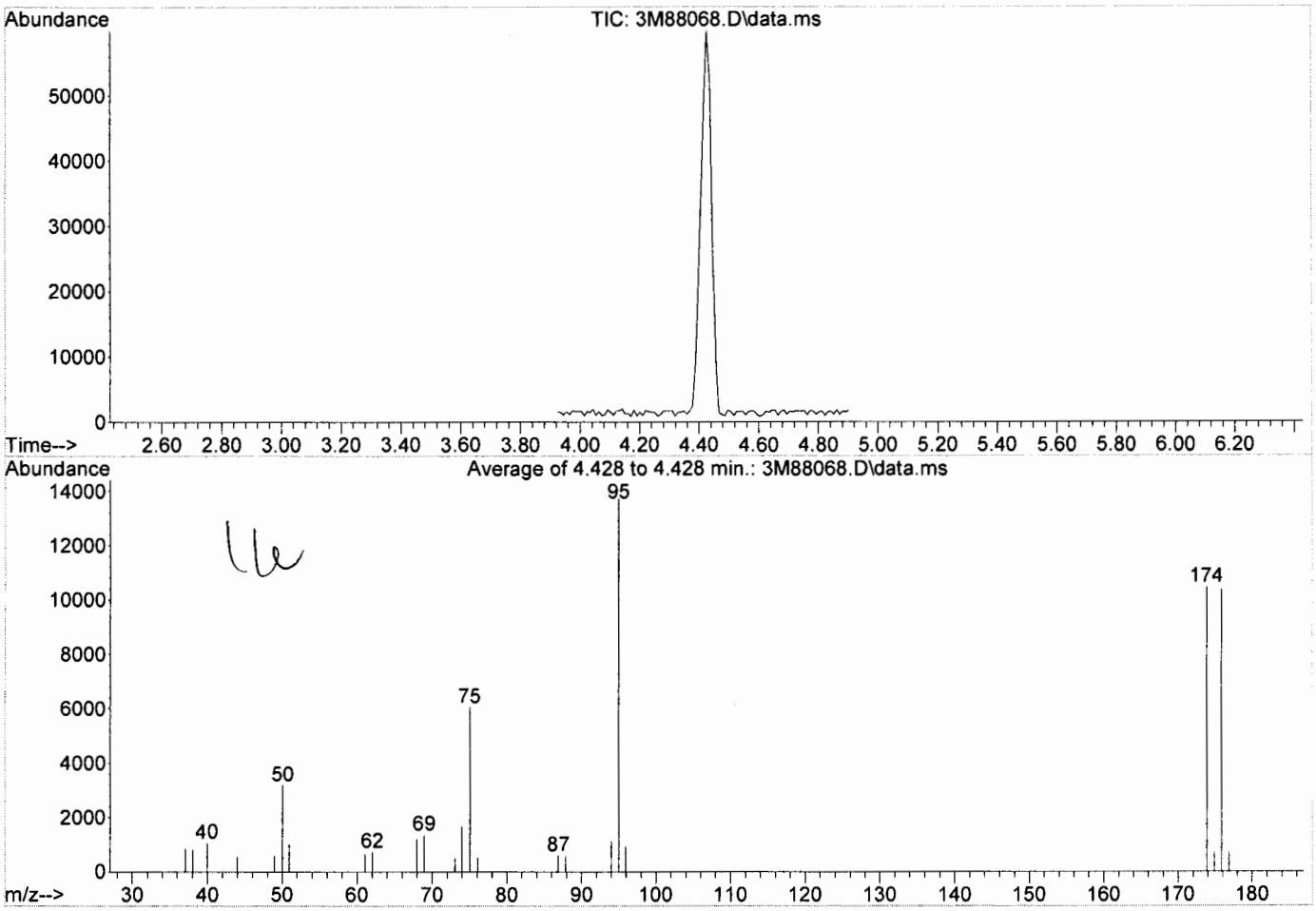
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.3	3190	PASS
75	95	30	60	44.2	6054	PASS
95	95	100	100	100.0	13711	PASS
96	95	5	9	6.8	926	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	10441	PASS
175	174	5	9	6.8	709	PASS
176	174	95	101	99.1	10349	PASS
177	176	5	9	6.7	693	PASS

Data File	Sample Number	Analysis Date:
3M88069.D	20 PPB	02/22/11 10:05
3M88070.D	CAL @ 20 PPB	02/22/11 10:25
3M88071.D	BLKJUG2	02/22/11 11:27
3M88072.D	STDTEST	02/22/11 11:05
3M88073.D	DAILY BLANK	02/22/11 12:01
3M88074.D	MBS6079	02/22/11 12:17
3M88075.D	MBS6080	02/22/11 12:34
3M88076.D	AC57097-009(T)	02/22/11 12:50
3M88077.D	AC57097-010(T)	02/22/11 13:07
3M88078.D	AC57097-011(T)	02/22/11 13:23
3M88079.D	AC57099-009(T)	02/22/11 13:40
3M88080.D	AC57099-010(T)	02/22/11 13:57
3M88081.D	AC57099-011(T)	02/22/11 14:13
3M88082.D	EF-3-V-1014#9(02	02/22/11 14:30
3M88083.D	DAILY BLANK	02/22/11 14:46
3M88084.D	MBS6081	02/22/11 15:03
3M88085.D	EF-3-V-1014#10(0	02/22/11 15:20
3M88086.D	AC57375-001	02/22/11 15:36
3M88087.D	AC57375-002	02/22/11 15:53
3M88088.D	AC57375-003	02/22/11 16:09
3M88089.D	AC57375-006	02/22/11 16:26
3M88090.D	AC57375-008	02/22/11 16:42
3M88091.D	AC57375-010	02/22/11 16:59
3M88092.D	AC57375-011	02/22/11 17:15
3M88093.D	EF-3-V-1014#11(0	02/22/11 17:32
3M88094.D	AC57372-001(80uL	02/22/11 17:51
3M88095.D	AC57375-012(80uL	02/22/11 18:14
3M88096.D	AC57375-005(80uL	02/22/11 18:36
3M88097.D	AC57375-007(80uL	02/22/11 18:58
3M88098.D	AC57375-009(80uL	02/22/11 19:19
3M88099.D	AC57375-004(80uL	02/22/11 19:41
3M88100.D	AC57375-013(80uL	02/22/11 20:02
3M88101.D	BLK	02/22/11 20:22
3M88102.D	AC57097-010(T:M	02/22/11 20:38
3M88103.D	AC57097-010(T:M	02/22/11 20:55
3M88104.D	BLK	02/22/11 21:11
3M88105.D	BLK	02/22/11 21:28
3M88106.D	BLK	02/22/11 21:44
3M88107.D	BLK	02/22/11 22:01
3M88108.D	BLK	02/22/11 22:17
3M88109.D	BLK	02/22/11 22:33
3M88110.D	BLK	02/22/11 22:50
3M88111.D	BLK	02/22/11 23:07

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Data File : 3M88068.D
Acq On : 22 Feb 2011 9:55
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0209.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Feb 09 14:35:54 2011



Spectrum Information: Average of 4.428 to 4.428 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	3190	PASS
75	95	30	60	44.2	6054	PASS
95	95	100	100	100.0	13711	PASS
96	95	5	9	6.8	926	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	10441	PASS
175	174	5	9	6.8	709	PASS
176	174	95	101	99.1	10349	PASS
177	176	5	9	6.7	693	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63418.D
Analysis Date: 02/25/11 06:00
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.090 to 4.109 min

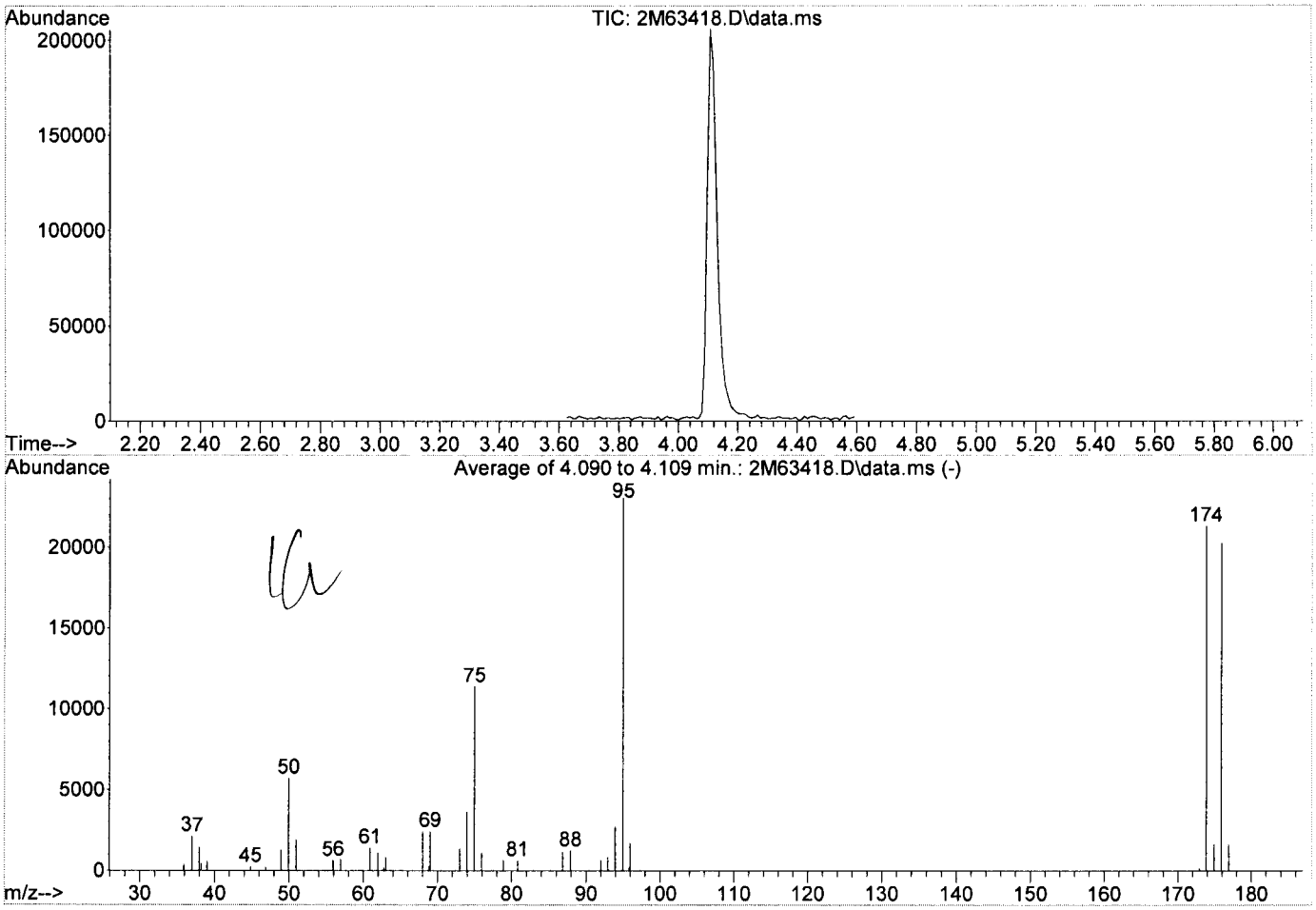
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.8	5717	PASS
75	95	30	60	49.4	11405	PASS
95	95	100	100	100.0	23071	PASS
96	95	5	9	7.3	1684	PASS
173	174	0.00	2	0.8	175	PASS
174	95	50	100	92.4	21314	PASS
175	174	5	9	7.7	1634	PASS
176	174	95	101	95.1	20265	PASS
177	176	5	9	8.0	1612	PASS

Data File	Sample Number	Analysis Date:
2M63419.D	BLK	02/25/11 06:16
2M63421.D	CAL @ 1 PPB	02/25/11 07:55
2M63422.D	CAL @ 0.5 PPB	02/25/11 08:13
2M63423.D	CAL @ 5 PPB	02/25/11 08:31
2M63424.D	CAL @ 500 PPB	02/25/11 08:47
2M63425.D	CAL @ 250 PPB	02/25/11 09:02
2M63426.D	CAL @ 100 PPB	02/25/11 09:18
2M63427.D	CAL @ 50 PPB	02/25/11 09:34
2M63428.D	CAL @ 20 PPB	02/25/11 09:50
2M63429.D	CAL @ 10 PPB	02/25/11 10:06
2M63430.D	ICV	02/25/11 10:22
2M63431.D	BLK	02/25/11 11:00
2M63432.D	DAILY BLANK	02/25/11 11:16
2M63433.D	DAILY BLANK	02/25/11 11:32
2M63434.D	MBS6137	02/25/11 11:48
2M63435.D	BLK	02/25/11 12:03
2M63436.D	MBS6218	02/25/11 12:19
2M63437.D	MBS6219	02/25/11 12:35
2M63438.D	MBS6220	02/25/11 12:51
2M63439.D	MBS6221	02/25/11 13:07
2M63440.D	MBS6222	02/25/11 13:22
2M63441.D	MBS6223	02/25/11 13:38
2M63442.D	MBS6224	02/25/11 13:54
2M63443.D	MBS6225	02/25/11 14:10
2M63444.D	BLK	02/25/11 14:26
2M63445.D	AC57458-001	02/25/11 14:42
2M63446.D	AC57458-002	02/25/11 14:57
2M63447.D	AC57458-003	02/25/11 15:13
2M63448.D	AC57458-004	02/25/11 15:29
2M63449.D	AC57458-005	02/25/11 15:45
2M63450.D	BLK	02/25/11 16:19
2M63451.D	AC57476-001	02/25/11 16:43
2M63452.D	AC57476-002	02/25/11 16:59
2M63453.D	AC57476-003	02/25/11 17:15
2M63454.D	AC57476-004	02/25/11 17:31
2M63455.D	AC57476-005	02/25/11 17:46
2M63456.D	AC57476-006	02/25/11 18:02
2M63457.D	AC57476-007	02/25/11 18:18
2M63458.D	AC57476-008	02/25/11 18:34
2M63459.D	BLK	02/25/11 18:49

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Data File : 2M63418.D
Acq On : 25 Feb 2011 6:00
Operator : DB
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0216.M
Title : @GCMS_2,ug,624,8260
Last Update : Wed Feb 16 14:08:19 2011



Spectrum Information: Average of 4.090 to 4.109 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	5717	PASS
75	95	30	60	49.4	11405	PASS
95	95	100	100	100.0	23071	PASS
96	95	5	9	7.3	1684	PASS
173	174	0.00	2	0.8	175	PASS
174	95	50	100	92.4	21314	PASS
175	174	5	9	7.7	1634	PASS
176	174	95	101	95.1	20265	PASS
177	176	5	9	8.0	1612	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

Data File	Sample Number	Analysis Date:
3M88288.D	CAL @ 20 PPB	02/25/11 07:57
3M88289.D	BLKHCL	02/25/11 08:18
3M88290.D	DAILY BLANK	02/25/11 08:34
3M88291.D	DAILY BLANK	02/25/11 08:51
3M88292.D	MBS6131	02/25/11 09:08
3M88293.D	MBS6133	02/25/11 09:25
3M88294.D	MBS6135	02/25/11 09:41
3M88295.D	AC57379-006	02/25/11 09:58
3M88296.D	AC57431-001	02/25/11 10:14
3M88297.D	AC57426-001	02/25/11 10:31
3M88298.D	AC57426-002	02/25/11 10:47
3M88299.D	AC57426-003	02/25/11 11:04
3M88300.D	AC57431-001	02/25/11 11:21
3M88301.D	AC57426-004	02/25/11 11:37
3M88302.D	AC57426-005	02/25/11 11:54
3M88303.D	AC57426-006	02/25/11 12:11
3M88304.D	AC57426-007	02/25/11 12:27
3M88305.D	AC57426-008	02/25/11 12:44
3M88306.D	AC57441-001	02/25/11 13:01
3M88307.D	AC57441-002	02/25/11 13:18
3M88308.D	AC57441-003	02/25/11 13:34
3M88309.D	AC57441-004	02/25/11 13:51
3M88310.D	AC57441-005	02/25/11 14:08
3M88311.D	AC57441-007	02/25/11 14:25
3M88312.D	AC57441-008	02/25/11 14:42
3M88313.D	AC57441-010	02/25/11 14:58
3M88314.D	AC57441-006(80uL	02/25/11 15:17
3M88315.D	AC57441-009(80uL	02/25/11 15:40
3M88316.D	AC57379-006(MS)	02/25/11 15:59
3M88317.D	AC57379-006(MSD	02/25/11 16:16
3M88318.D	BLK	02/25/11 16:33
3M88319.D	AC57099-015(T)	02/25/11 16:49
3M88320.D	AC57097-015(T)	02/25/11 17:06
3M88321.D	AC57097-014(T)	02/25/11 17:23
3M88322.D	AC57099-014(T)	02/25/11 17:39
3M88323.D	EF-3-V-1014#14(0	02/25/11 17:56
3M88324.D	EF-3-V-1014#15(0	02/25/11 18:12
3M88325.D	AC57364-004	02/25/11 18:29
3M88326.D	AC57364-003	02/25/11 18:49
3M88327.D	AC57364-002	02/25/11 19:06
3M88328.D	AC57364-001	02/25/11 19:22
3M88329.D	AC57280-006(MS)	02/25/11 19:39
3M88330.D	AC57280-006(MSD	02/25/11 19:56
3M88331.D	BLK	02/25/11 20:13
3M88332.D	BLK	02/25/11 20:30
3M88333.D	BLK	02/25/11 20:46
3M88334.D	MBS6232	02/25/11 21:03
3M88335.D	BLK	02/25/11 21:20
3M88336.D	AC57414-006	02/25/11 21:37
3M88337.D	AC57414-007	02/25/11 21:53
3M88338.D	AC57434-002	02/25/11 22:09
3M88339.D	AC57422-021	02/25/11 22:26
3M88340.D	AC57422-005	02/25/11 22:42
3M88341.D	AC57422-007	02/25/11 22:59
3M88342.D	AC57422-009	02/25/11 23:16
3M88343.D	AC57422-011	02/25/11 23:32
3M88344.D	AC57422-017	02/25/11 23:49
3M88345.D	AC57422-019	02/26/11 00:06
3M88346.D	BLK	02/26/11 00:22
3M88347.D	AC57414-002	02/26/11 00:38
3M88348.D	AC57414-005	02/26/11 00:55
3M88349.D	AC57414-003	02/26/11 01:11
3M88350.D	AC57414-001	02/26/11 01:28
3M88351.D	AC57414-004	02/26/11 01:45
3M88352.D	MBS6233	02/26/11 02:02

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

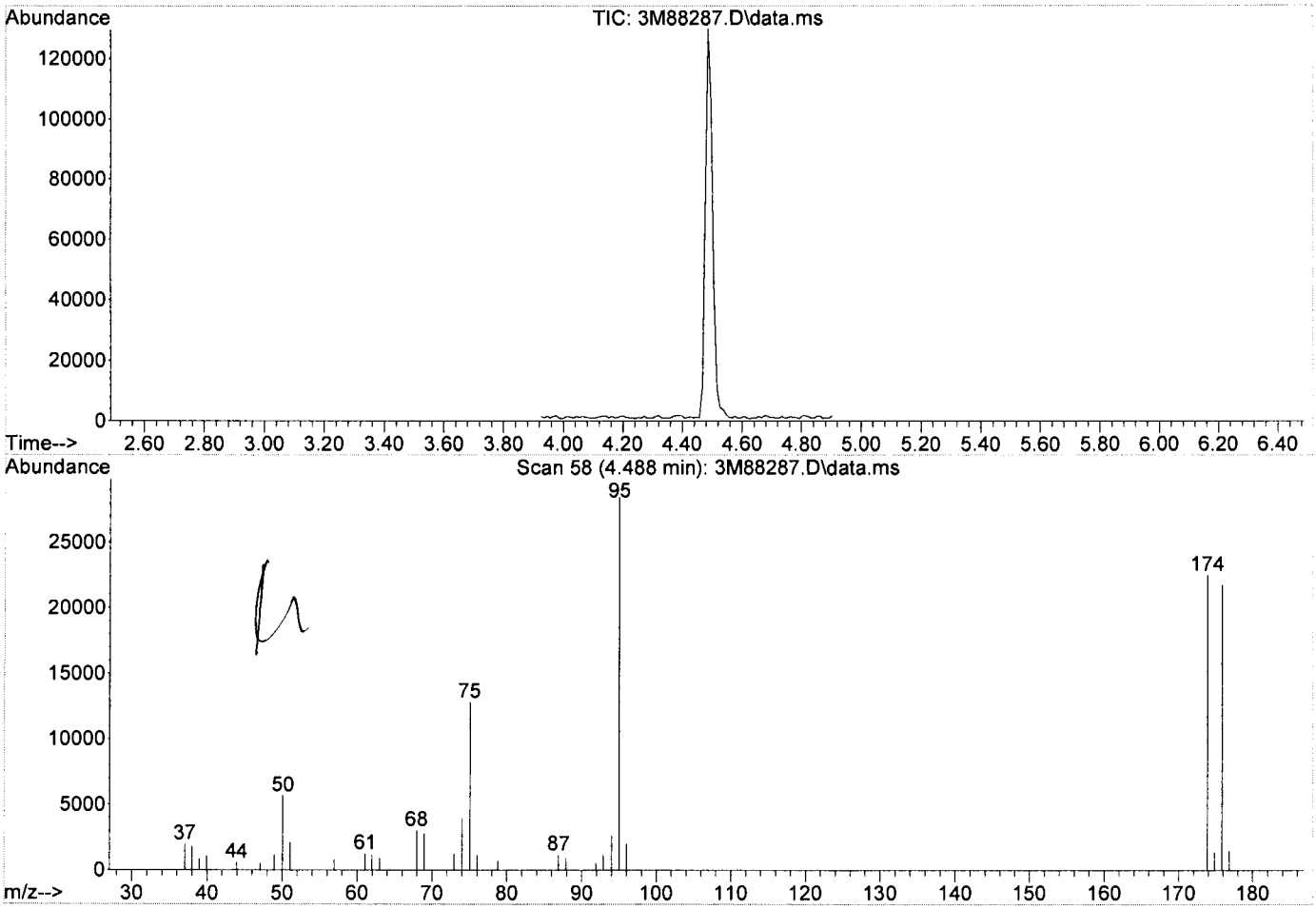
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

3M88353.D	BLK	02/26/11 02:18
3M88354.D	AC57422-015	02/26/11 02:35
3M88355.D	AC57422-013	02/26/11 02:52
3M88356.D	AC57422-003	02/26/11 03:08
3M88357.D	AC57422-001(20X)	02/26/11 03:27
3M88358.D	BLK	02/26/11 03:46
3M88359.D	AC57434-001	02/26/11 04:03
3M88360.D	AC57280-007(MS)	02/26/11 04:19
3M88361.D	AC57280-007(MSD	02/26/11 04:36
3M88362.D	BLK	02/26/11 04:52
3M88363.D	BLK	02/26/11 05:09
3M88364.D	MBS6234	02/26/11 05:25
3M88365.D	BLK	02/26/11 05:42
3M88366.D	AC57437-008	02/26/11 05:58
3M88367.D	AC57443-001	02/26/11 06:15
3M88368.D	AC57443-002	02/26/11 06:31
3M88369.D	AC57443-005	02/26/11 06:48
3M88370.D	AC57443-004	02/26/11 07:05
3M88371.D	AC57443-003	02/26/11 07:21
3M88375.D	BLK	02/27/11 10:30
3M88376.D	BLK	02/27/11 12:01
3M88377.D	BLK	02/27/11 12:29
3M88378.D	BLK	02/27/11 12:44
3M88379.D	BLK	02/27/11 13:19

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Data File : 3M88287.D
Acq On : 25 Feb 2011 7:38
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0209.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Feb 09 14:35:54 2011



Spectrum Information: Scan 58

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 2M63640.D
Instrument: GCMS 2 **Analysis Date:** 03/02/11 13:49
Method: EPA 8260B
Tune Scan/Time Range: Average of 3.980 to 4.019 min

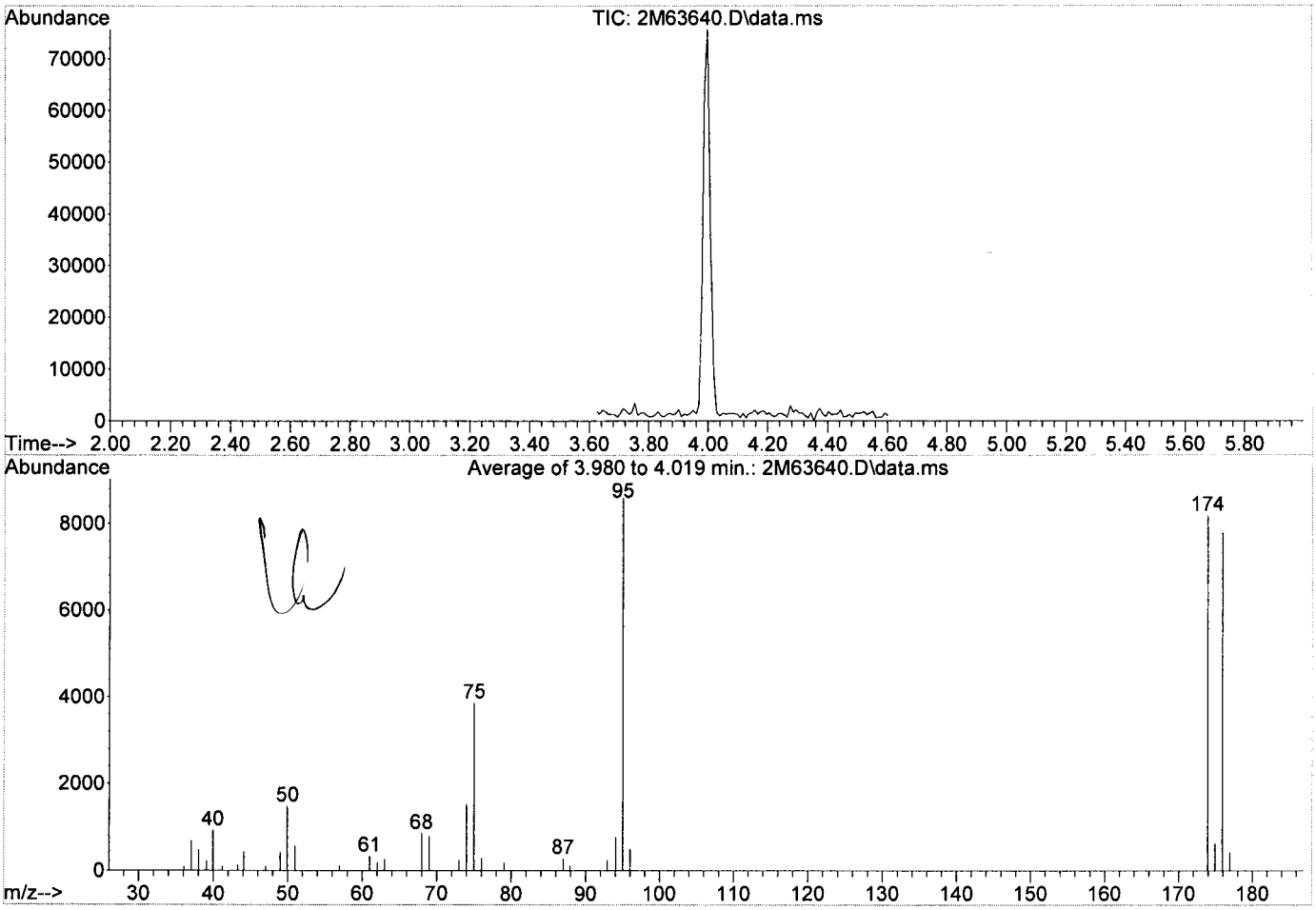
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.3	1487	PASS
75	95	30	60	44.9	3861	PASS
95	95	100	100	100.0	8596	PASS
96	95	5	9	5.9	505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.2	8187	PASS
175	174	5	9	7.6	623	PASS
176	174	95	101	95.1	7788	PASS
177	176	5	9	5.4	420	PASS

Data File	Sample Number	Analysis Date:
2M63641.D	BLKJUG3	03/02/11 14:01
2M63642.D	CAL @ 20 PPB	03/02/11 14:16
2M63643.D	BLK	03/02/11 14:38
2M63644.D	DAILY BLANK	03/02/11 14:57
2M63645.D	DAILY BLANK	03/02/11 15:12
2M63646.D	MBS6292	03/02/11 15:28
2M63647.D	MBS6293	03/02/11 15:44
2M63648.D	BLK	03/02/11 16:00
2M63649.D	AC57462-001	03/02/11 16:16
2M63650.D	AC57466-005	03/02/11 16:32
2M63651.D	AC57466-006	03/02/11 16:47
2M63652.D	AC57466-009	03/02/11 17:03
2M63653.D	AC57466-008	03/02/11 17:19
2M63654.D	AC57466-007	03/02/11 17:35
2M63655.D	AC57442-001(T)	03/02/11 17:51
2M63656.D	AC57471-001(T)	03/02/11 18:07
2M63657.D	AC57462-001(MS)	03/02/11 18:23
2M63658.D	AC57462-001(MSD	03/02/11 18:38
2M63659.D	BLK	03/02/11 18:54
2M63660.D	AC57392-009	03/02/11 19:10
2M63661.D	AC57487-035	03/02/11 19:26
2M63662.D	AC57490-005	03/02/11 19:42
2M63663.D	AC57490-006	03/02/11 19:58
2M63664.D	BLK	03/02/11 20:13
2M63665.D	AC57531-003	03/02/11 20:29
2M63666.D	AC57531-004	03/02/11 20:45
2M63667.D	AC57531-005	03/02/11 21:01
2M63668.D	AC57531-006	03/02/11 21:16
2M63669.D	AC57531-007	03/02/11 21:32
2M63670.D	AC57531-009	03/02/11 21:48
2M63671.D	AC57531-010	03/02/11 22:04
2M63672.D	AC57531-011	03/02/11 22:19
2M63673.D	AC57487-022(40uL	03/02/11 22:35
2M63674.D	AC57487-024(40uL	03/02/11 22:51
2M63675.D	AC57487-026(40uL	03/02/11 23:07
2M63676.D	AC57487-028(40uL	03/02/11 23:22
2M63677.D	AC57487-030(40uL	03/03/11 06:58
2M63678.D	AC57487-034(40uL	03/03/11 07:14
2M63679.D	AC57487-032(40uL	03/03/11 07:30
2M63680.D	AC57512-001	03/03/11 07:46

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Data File : 2M63640.D
Acq On : 2 Mar 2011 13:49
Operator : wp
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 23 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0225.M
Title : @GCMS_2,ug,624,8260
Last Update : Fri Feb 25 11:11:21 2011



Spectrum Information: Average of 3.980 to 4.019 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	1487	PASS
75	95	30	60	44.9	3861	PASS
95	95	100	100	100.0	8596	PASS
96	95	5	9	5.9	505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.2	8187	PASS
175	174	5	9	7.6	623	PASS
176	174	95	101	95.1	7788	PASS
177	176	5	9	5.4	420	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 2M63682.D
Instrument: GCMS 2 **Analysis Date:** 03/03/11 08:08
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.040 to 4.050 min

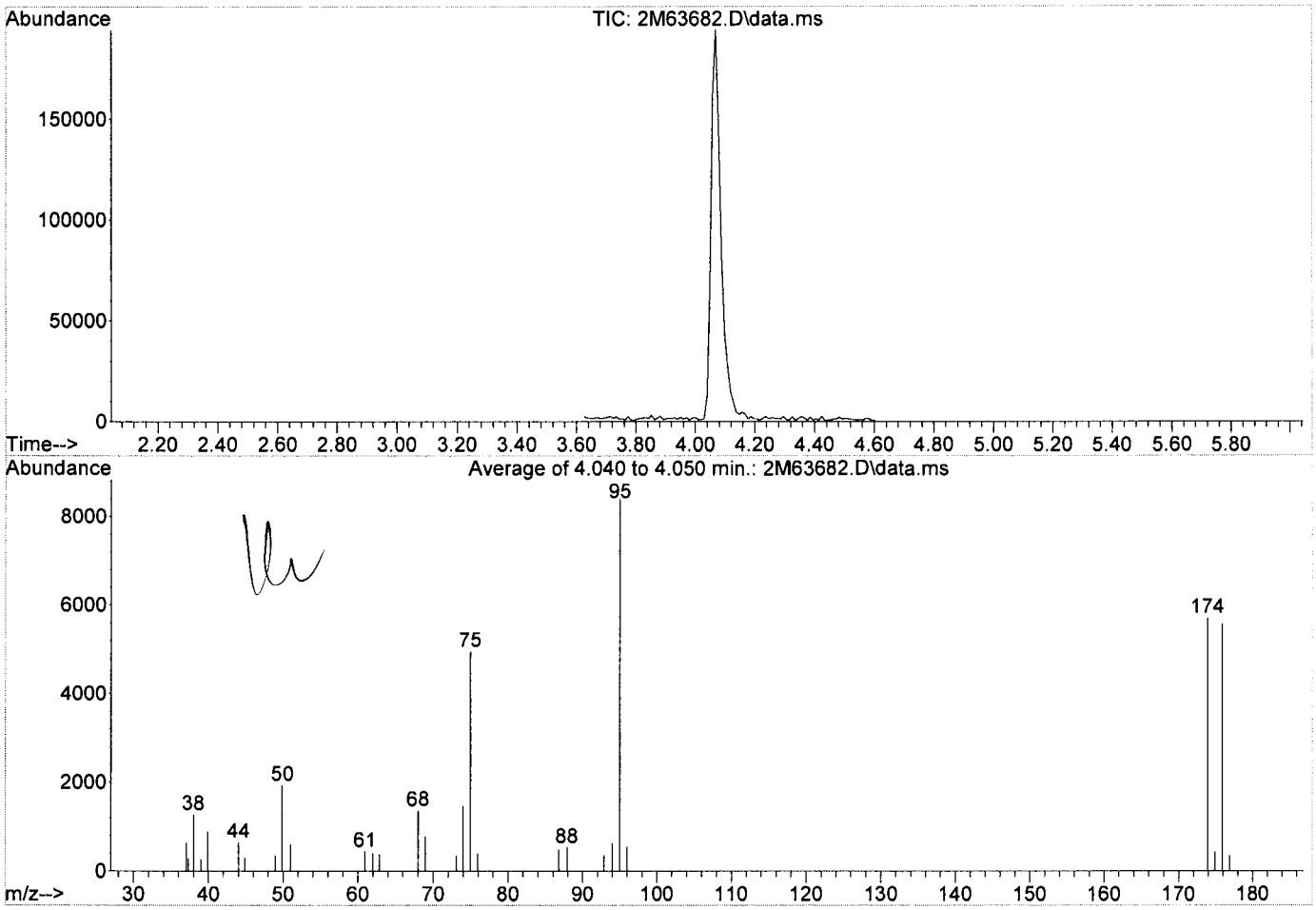
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.0	1934	PASS
75	95	30	60	59.0	4959	PASS
95	95	100	100	100.0	8411	PASS
96	95	5	9	6.5	550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	5702	PASS
175	174	5	9	7.5	429	PASS
176	174	95	101	97.7	5571	PASS
177	176	5	9	6.3	351	PASS

Data File	Sample Number	Analysis Date:
2M63683.D	BLK	03/03/11 08:18
2M63684.D	CAL @ 20 PPB	03/03/11 08:28
2M63685.D	BLKHCL	03/03/11 08:49
2M63686.D	DAILY BLANK	03/03/11 09:05
2M63687.D	DAILY BLANK	03/03/11 09:21
2M63688.D	MBS6305	03/03/11 09:37
2M63689.D	MBS6307	03/03/11 09:53
2M63690.D	BLK	03/03/11 10:09
2M63691.D	AC57531-013	03/03/11 10:24
2M63692.D	AC57531-012	03/03/11 10:40
2M63693.D	AC57531-008	03/03/11 10:56
2M63694.D	AC57410-007	03/03/11 11:12
2M63695.D	AC57410-008	03/03/11 11:28
2M63696.D	AC57416-020	03/03/11 11:44
2M63697.D	AC57416-005	03/03/11 11:59
2M63698.D	AC57416-006	03/03/11 12:15
2M63699.D	AC57490-006	03/03/11 12:31
2M63700.D	AC57466-002	03/03/11 12:47
2M63701.D	AC57466-001(10X)	03/03/11 13:05
2M63702.D	AC57439-001(10X)	03/03/11 13:25
2M63703.D	AC57516-009(80uL	03/03/11 13:46
2M63704.D	AC57516-012(80uL	03/03/11 14:05
2M63705.D	AC57516-016(80uL	03/03/11 14:27
2M63706.D	AC57471-001(T:M	03/03/11 14:44
2M63707.D	AC57471-001(T:M	03/03/11 15:00
2M63708.D	AC57099-020(T)	03/03/11 15:16
2M63709.D	AC57097-020(T)	03/03/11 15:31
2M63710.D	EF-3-V1014(03011	03/03/11 15:47
2M63711.D	AC57099-019(T)	03/03/11 16:03
2M63712.D	AC57097-019(T)	03/03/11 16:19
2M63713.D	EF-3-V-1014(0302	03/03/11 16:35
2M63714.D	AC57516-013(80uL	03/03/11 16:51
2M63715.D	AC57516-014	03/03/11 17:06
2M63716.D	AC57516-015	03/03/11 17:22
2M63717.D	AC57516-007	03/04/11 06:22
2M63718.D	AC57516-008	03/04/11 06:38
2M63719.D	AC57516-010	03/04/11 06:54
2M63720.D	AC57516-011	03/04/11 07:10
2M63721.D	BLK	03/04/11 07:28
2M63722.D	BLK	03/04/11 07:44
2M63723.D	BLK	03/04/11 07:59

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Data File : 2M63682.D
Acq On : 3 Mar 2011 8:08
Operator : wp
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0225.M
Title : @GCMS_2,ug,624,8260
Last Update : Fri Feb 25 11:11:21 2011



Spectrum Information: Average of 4.040 to 4.050 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	1934	PASS
75	95	30	60	59.0	4959	PASS
95	95	100	100	100.0	8411	PASS
96	95	5	9	6.5	550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	5702	PASS
175	174	5	9	7.5	429	PASS
176	174	95	101	97.7	5571	PASS
177	176	5	9	6.3	351	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M65420.D
Analysis Date: 02/11/11 11:11
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182551

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

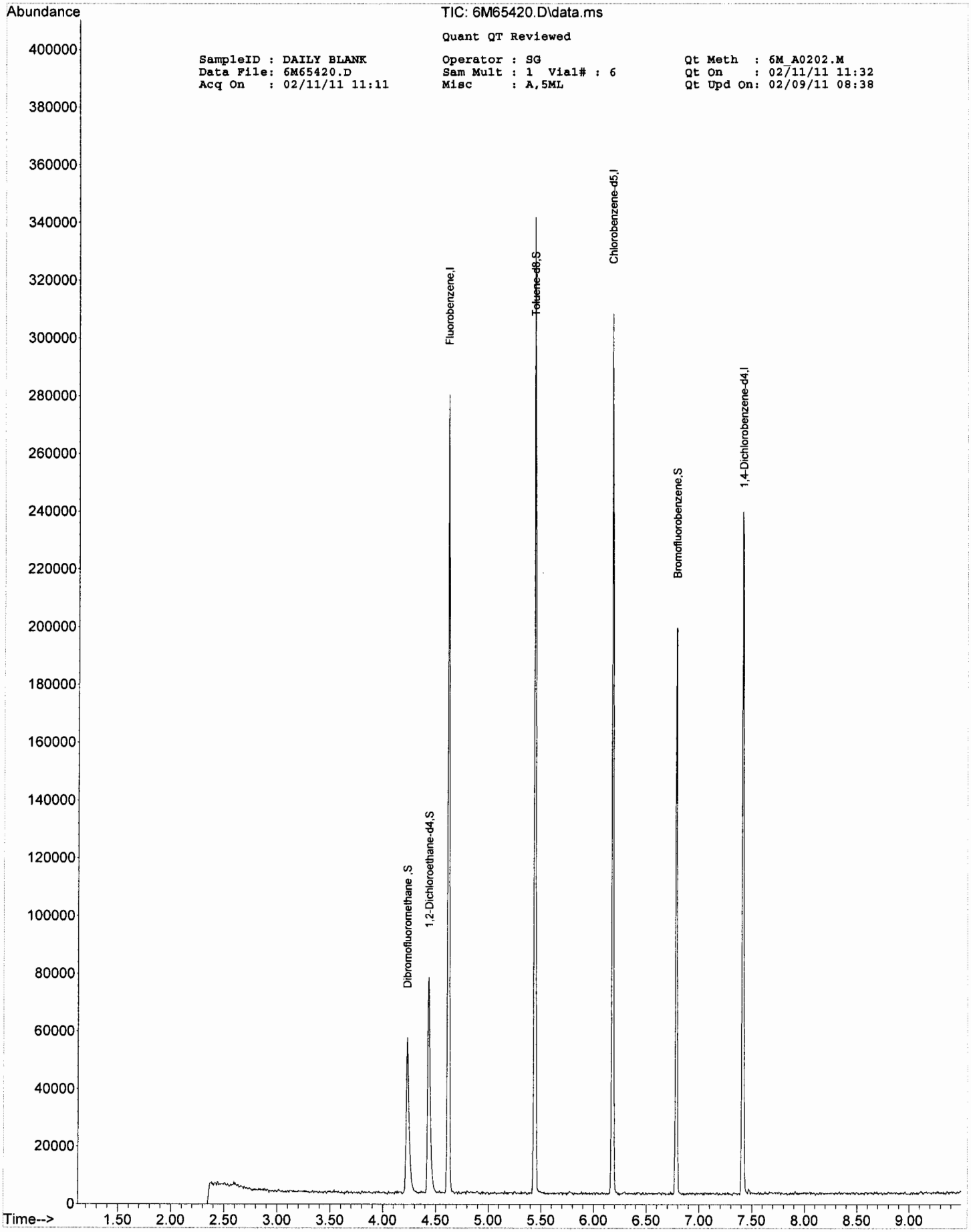
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65420.D Sam Mult : 1 Vial# : 6 Qt On : 02/11/11 11:32
Acq On : 02/11/11 11:11 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	124312	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.178	117	87187	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.416	152	36480	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.231	111	33405	29.48	ug/l	-0.02
Spiked Amount 30.000			Recovery = 98.27%			
38) 1,2-Dichloroethane-d4	4.435	67	23723	29.69	ug/l	-0.01
Spiked Amount 30.000			Recovery = 98.97%			
65) Toluene-d8	5.439	98	118300	27.42	ug/l	-0.01
Spiked Amount 30.000			Recovery = 91.40%			
75) Bromofluorobenzene	6.785	174	29761	29.78	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.27%			
Target Compounds						Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M65420.D
Acq On : 02/11/11 11:11
Operator : SG
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/11/11 11:32
Qt Upd On: 02/09/11 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M65525.D
Analysis Date: 02/15/11 14:36
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182551

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

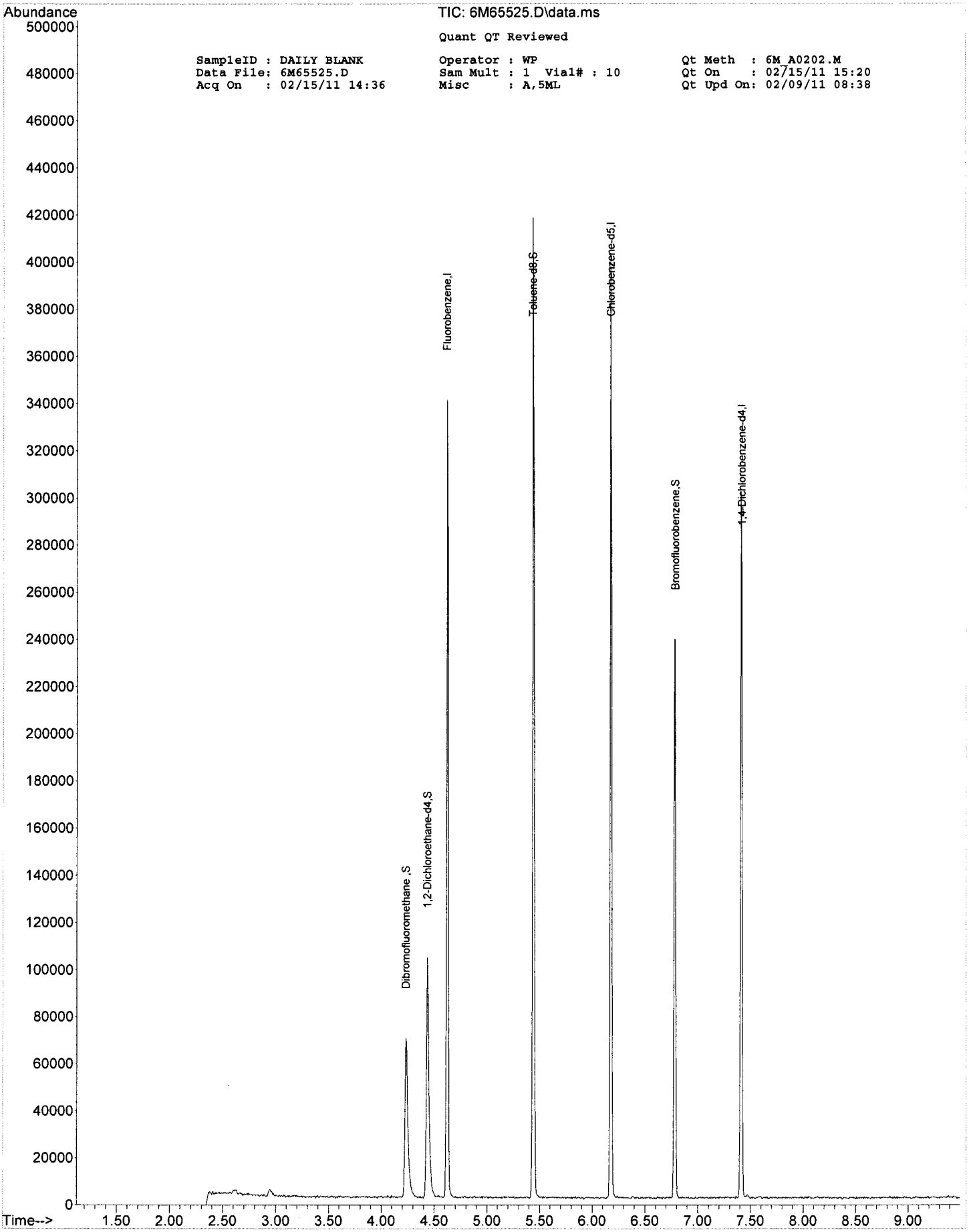
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65525.D Sam Mult : 1 Vial# : 10 Qt On : 02/15/11 15:20
Acq On : 02/15/11 14:36 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	146779	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.178	117	109242	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.416	152	45960	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	44201	33.04	ug/l	-0.02
Spiked Amount 30.000			Recovery = 110.13%			
38) 1,2-Dichloroethane-d4	4.434	67	30152	31.96	ug/l	-0.01
Spiked Amount 30.000			Recovery = 106.53%			
65) Toluene-d8	5.438	98	140168	25.93	ug/l	-0.01
Spiked Amount 30.000			Recovery = 86.43%			
75) Bromofluorobenzene	6.785	174	38329	30.45	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.50%			
Target Compounds						Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M65525.D
Acq On : 02/15/11 14:36
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:20
Qt Upd On: 02/09/11 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M88073.D
Analysis Date: 02/22/11 12:01
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182548

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

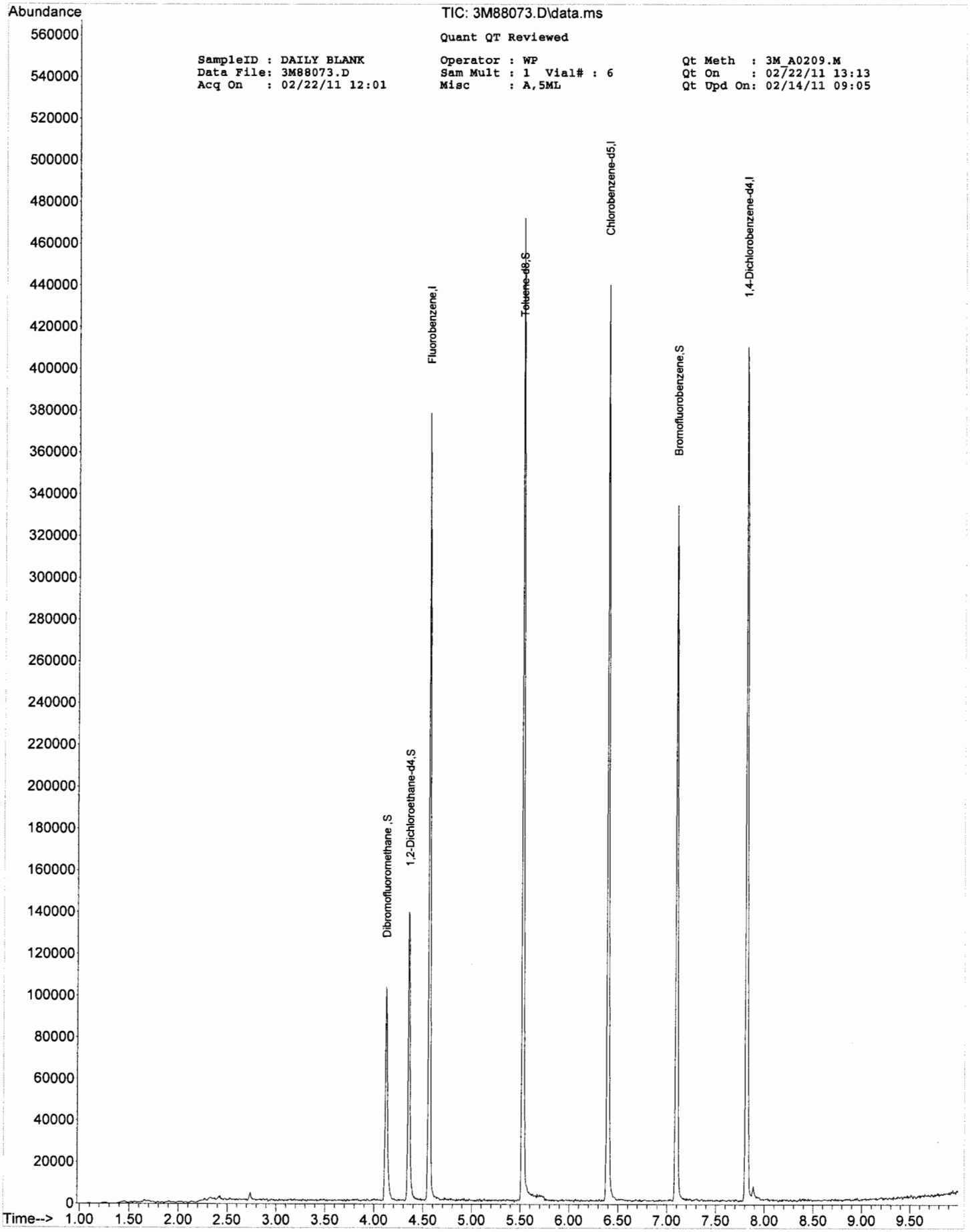
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88073.D Sam Mult : 1 Vial# : 6 Qt On : 02/22/11 13:13
Acq On : 02/22/11 12:01 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	180725	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	161499	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.815	152	94463	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	48882	32.08	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.93%			
35) 1,2-Dichloroethane-d4	4.357	102	11020	31.75	ug/l	0.01
Spiked Amount 30.000			Recovery = 105.83%			
59) Toluene-d8	5.524	100	125752	28.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.10%			
67) Bromofluorobenzene	7.099	174	79333	28.17	ug/l	0.01
Spiked Amount 30.000			Recovery = 93.90%			
Target Compounds						Qvalue

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


Abundance
TIC: 3M88073.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M88073.D
Acq On : 02/22/11 12:01
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:13
Qt Upd On: 02/14/11 09:05
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M88291.D
Analysis Date: 02/25/11 08:51
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	75-09-2	Methylene Chloride	0.77	1.0	U
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	Acetone	4.0	5.0	U	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

Worksheet #: 183386

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 3M88291.D
Acq On : 02/25/11 08:51

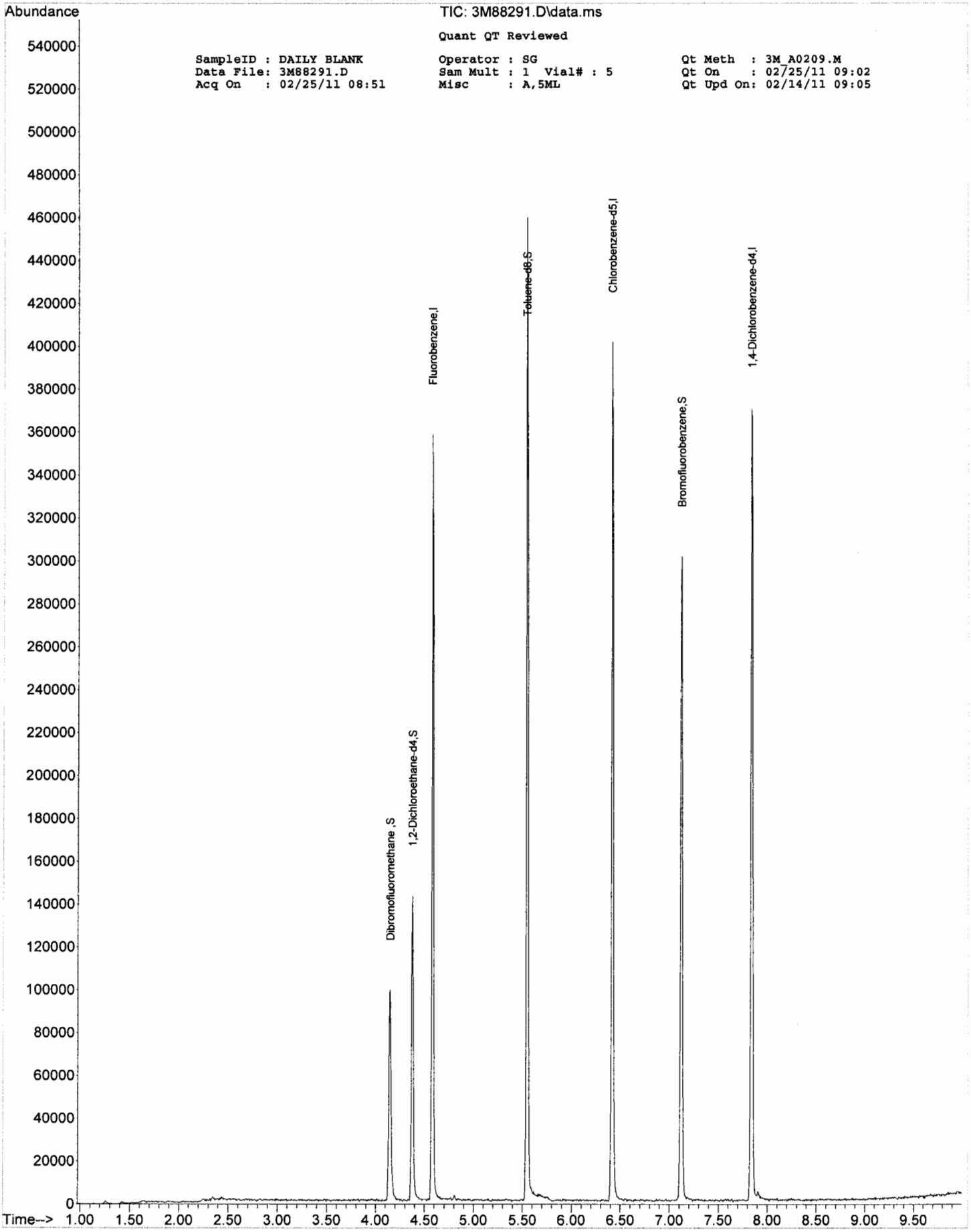
Operator : SG
Sam Mult : 1 Vial# : 5
Misc : A,5ML

Qt Meth : 3M_A0209.M
Qt On : 02/25/11 09:02
Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.580	96	172127	30.00	ug/l	0.03
48) Chlorobenzene-d5	6.420	117	154563	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.845	152	86079	30.00	ug/l	0.04
System Monitoring Compounds						
33) Dibromofluoromethane	4.147	111	47419	32.68	ug/l	0.04
Spiked Amount 30.000			Recovery =	108.93%		
35) 1,2-Dichloroethane-d4	4.375	102	10886	32.93	ug/l	0.03
Spiked Amount 30.000			Recovery =	109.77%		
59) Toluene-d8	5.548	100	118213	27.73	ug/l	0.03
Spiked Amount 30.000			Recovery =	92.43%		
67) Bromofluorobenzene	7.123	174	74172	28.90	ug/l	0.04
Spiked Amount 30.000			Recovery =	96.33%		
Target Compounds						Qvalue

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


Abundance
TIC: 3M88291.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M88291.D
Acq On : 02/25/11 08:51
Operator : SG
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 09:02
Qt Upd On: 02/14/11 09:05
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M63687.D
Analysis Date: 03/03/11 09:21
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	75-09-2	Methylene Chloride	0.77	1.0	U
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	Acetone	4.0	5.0	U	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

Worksheet #: 183431

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

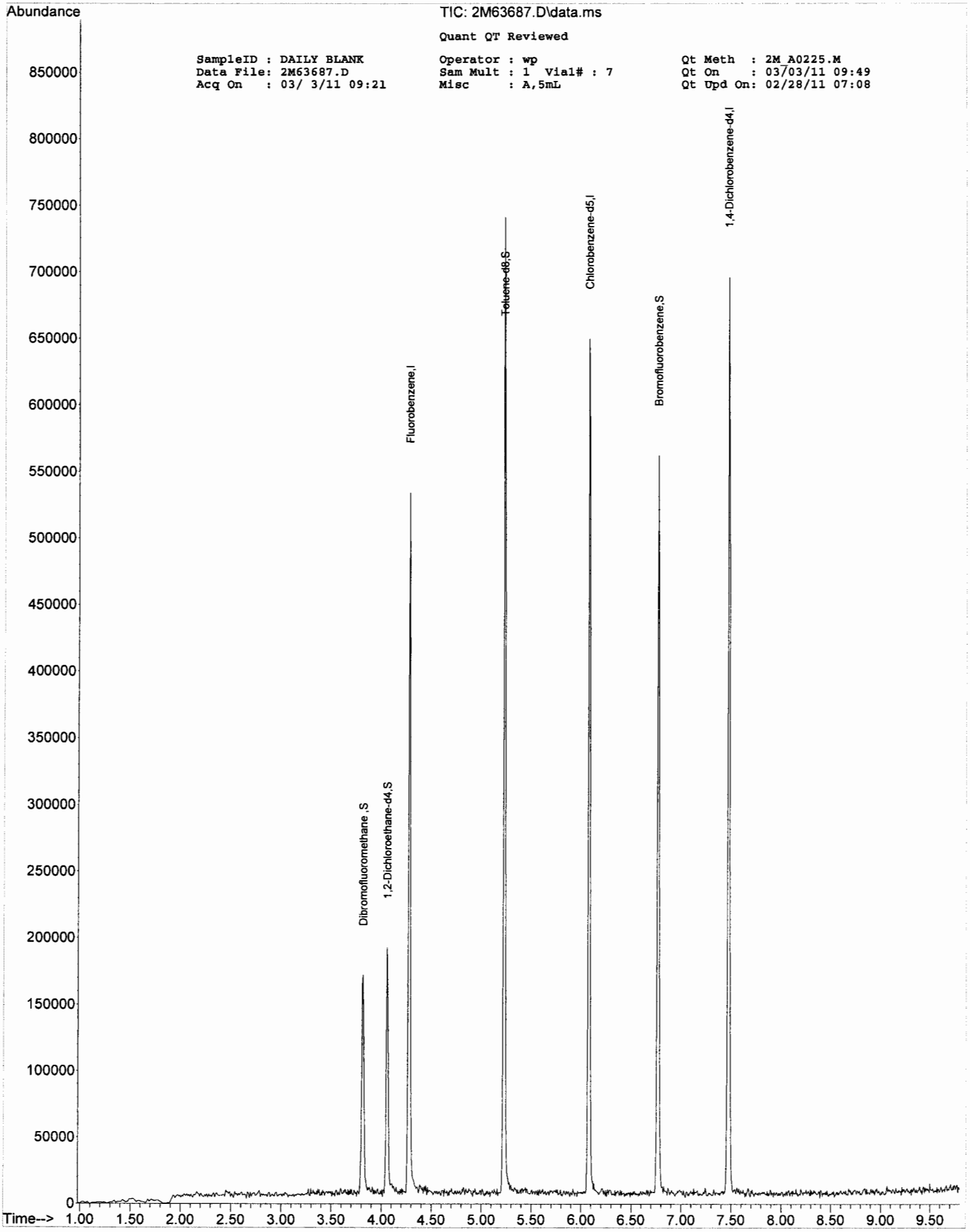
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63687.D Sam Mult : 1 Vial# : 7 Qt On : 03/03/11 09:49
Acq On : 03/ 3/11 09:21 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.277	96	294312	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.076	117	254367	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	152658	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.814	111	74848	30.67	ug/l	-0.04
Spiked Amount 30.000			Recovery = 102.23%			
38) 1,2-Dichloroethane-d4	4.054	67	43629	28.22	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.07%			
65) Toluene-d8	5.227	98	312447	27.79	ug/l	-0.03
Spiked Amount 30.000			Recovery = 92.63%			
75) Bromofluorobenzene	6.767	174	136813	28.70	ug/l	-0.04
Spiked Amount 30.000			Recovery = 95.67%			
Target Compounds						Qvalue

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


Abundance
TIC: 2M63687.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M63687.D
Acq On : 03/ 3/11 09:21
Operator : wp
Sam Mult : 1 Vial# : 7
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/03/11 09:49
Qt Upd On: 02/28/11 07:08
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-1014(2/11/11)
Client Id:
Data File: 6M65448.D
Analysis Date: 02/11/11 19:00
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**9.6**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182003

Total Target Concentration 9.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

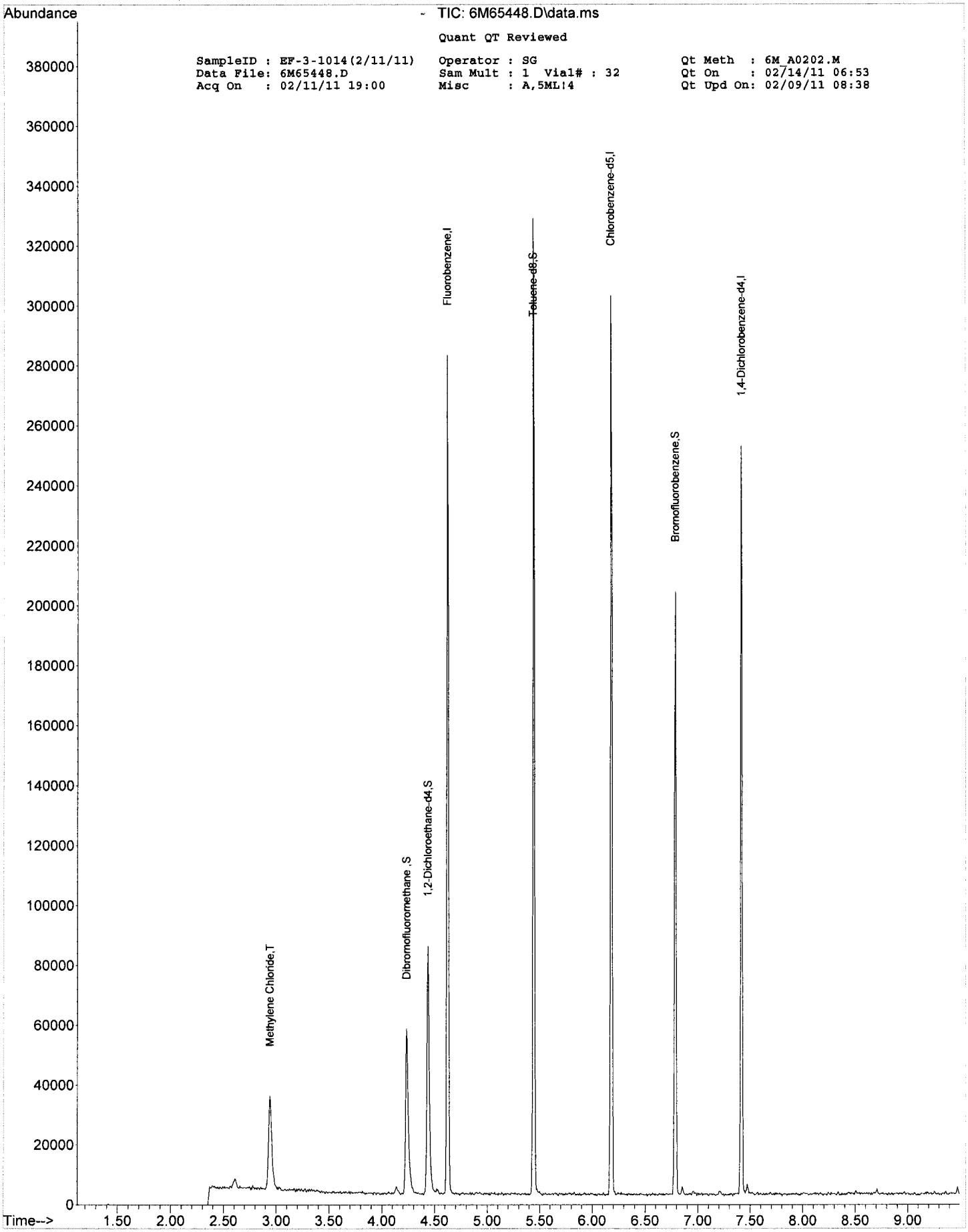
Quantitation Report (QT Reviewed)

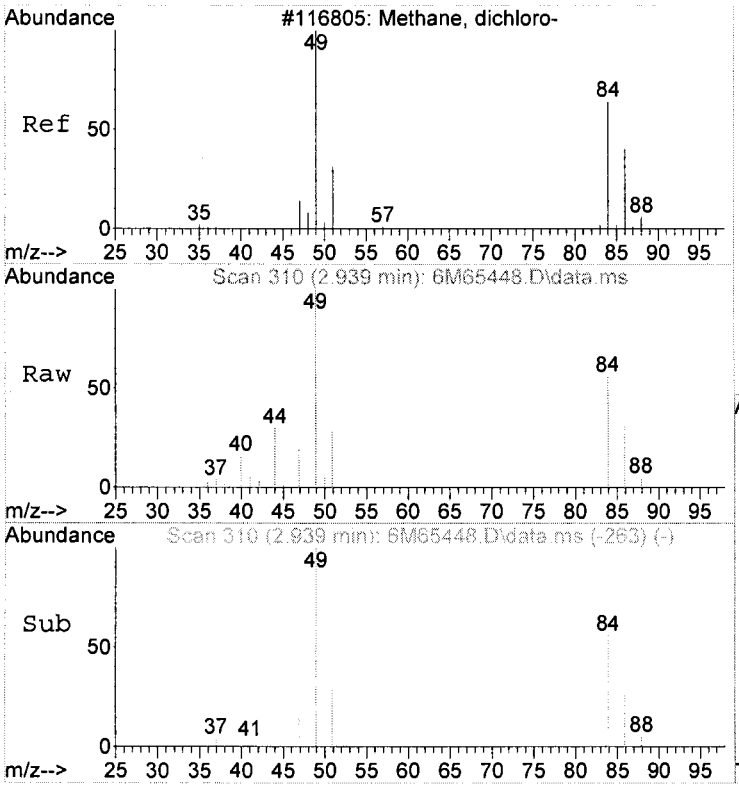
SampleID : EF-3-1014(2/11/11) Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65448.D Sam Mult : 1 Vial# : 32 Qt On : 02/14/11 06:53
Acq On : 02/11/11 19:00 Misc : A,5ML!4 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	121203	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.179	117	87474	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.418	152	36978	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.232	111	34655	31.37	ug/l	-0.02
Spiked Amount 30.000			Recovery = 104.57%			
38) 1,2-Dichloroethane-d4	4.436	67	23937	30.73	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.43%			
65) Toluene-d8	5.440	98	115266	26.63	ug/l	-0.01
Spiked Amount 30.000			Recovery = 88.77%			
75) Bromofluorobenzene	6.786	174	29197	28.83	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.10%			
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	13485	9.63	ug/l	73

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

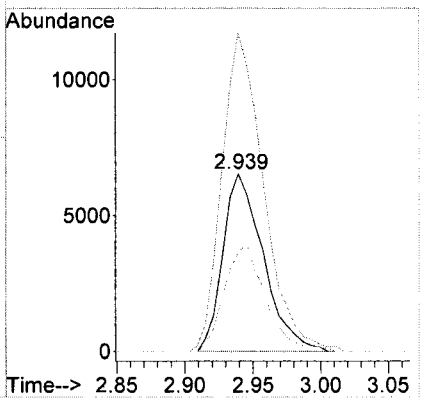

Abundance
TIC: 6M65448.D\data.ms
Quant QT Reviewed
SampleID : EF-3-1014(2/11/11)
Data File: 6M65448.D
Acq On : 02/11/11 19:00
Operator : SG
Sam Mult : 1 Vial# : 32
Misc : A,5ML!4
Qt Meth : 6M_A0202.M
Qt On : 02/14/11 06:53
Qt Upd On: 02/09/11 08:38
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#15
Methylene Chloride
Concen: 9.63 ug/l
RT: 2.939 min Scan# 310
Delta R.T. -0.017 min
Lab File: 6M65448.D
Acq: 11 Feb 2011 19:00

Tgt Ion: 84 Resp: 13485

Ion	Ratio	Lower	Upper
84	100		
49	179.4	56.4	225.6
86	55.7	28.0	112.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-1014(2/15/11)
Client Id:
Data File: 6M65544.D
Analysis Date: 02/15/11 19:56
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**17**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

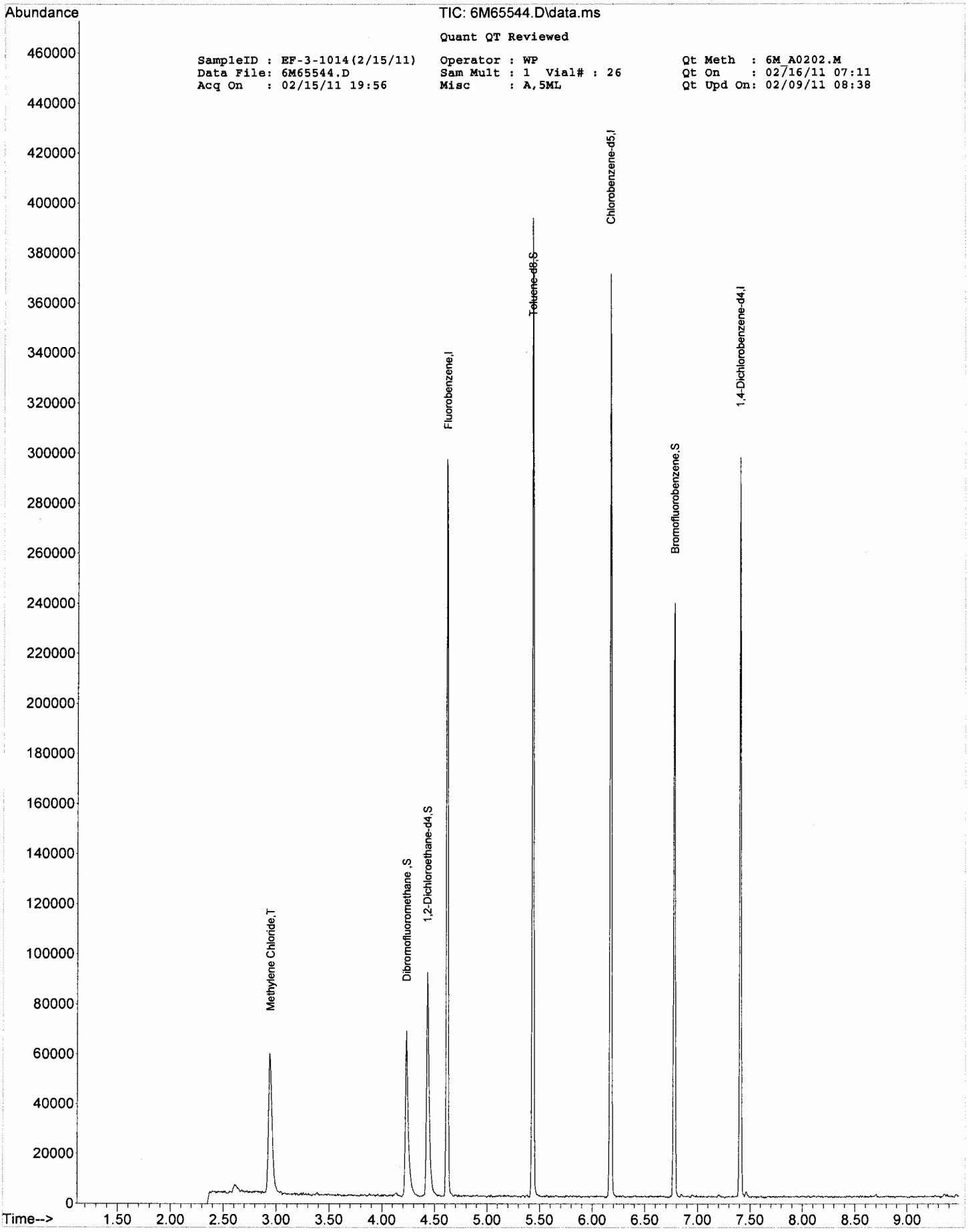
Quantitation Report (QT Reviewed)

SampleID : EF-3-1014(2/15/11) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65544.D Sam Mult : 1 Vial# : 26 Qt On : 02/16/11 07:11
Acq On : 02/15/11 19:56 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	138838	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.173	117	102897	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.406	152	44813	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.232	111	42524	33.60	ug/l	-0.02
Spiked Amount 30.000			Recovery = 112.00%			
38) 1,2-Dichloroethane-d4	4.430	67	28294	31.71	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.70%			
65) Toluene-d8	5.434	98	134924	26.50	ug/l	-0.02
Spiked Amount 30.000			Recovery = 88.33%			
75) Bromofluorobenzene	6.780	174	38063	31.01	ug/l	-0.02
Spiked Amount 30.000			Recovery = 103.37%			
Target Compounds						Qvalue
15) Methylene Chloride	2.945	84	26739	16.66	ug/l	75

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


Abundance
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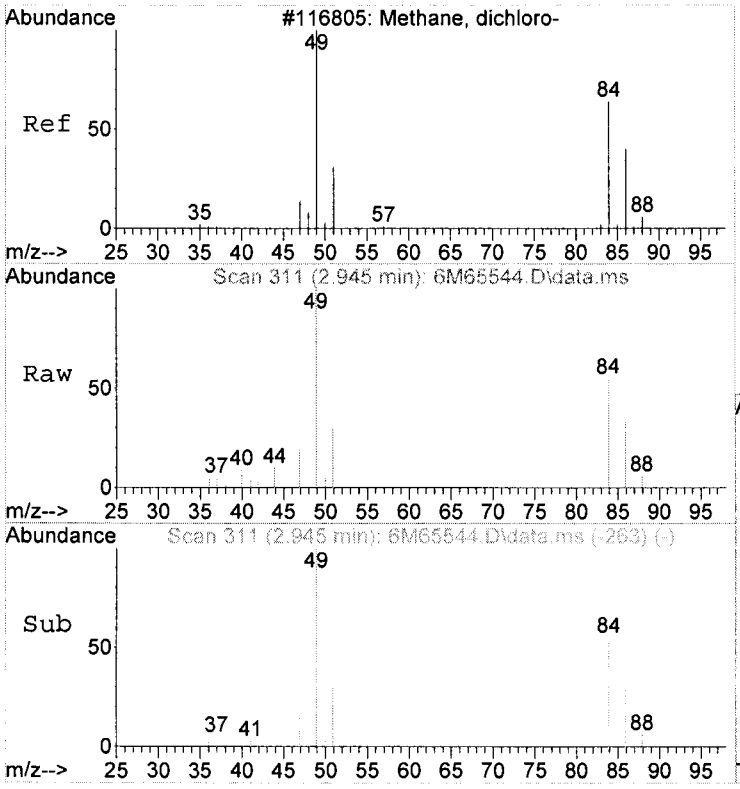
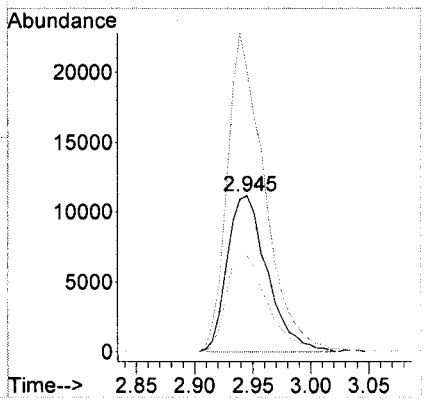
Quant QT Reviewed
SampleID : EF-3-1014(2/15/11)
Data File: 6M65544.D
Acq On : 02/15/11 19:56
Operator : WP
Sam Mult : 1 Vial# : 26
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/16/11 07:11
Qt Upd On: 02/09/11 08:38
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#15
Methylene Chloride
Concen: 16.66 ug/l
RT: 2.945 min Scan# 311
Delta R.T. -0.011 min
Lab File: 6M65544.D
Acq: 15 Feb 2011 19:56

Tgt Ion: 84 Resp: 26739

Ion	Ratio	Lower	Upper
84	100		
49	181.1	56.4	225.6
86	62.4	28.0	112.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-V-1014#10(02201
Client Id:
Data File: 3M88085.D
Analysis Date: 02/22/11 15:20
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**2.7**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	**Acetone**	**4.0**	**17**	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

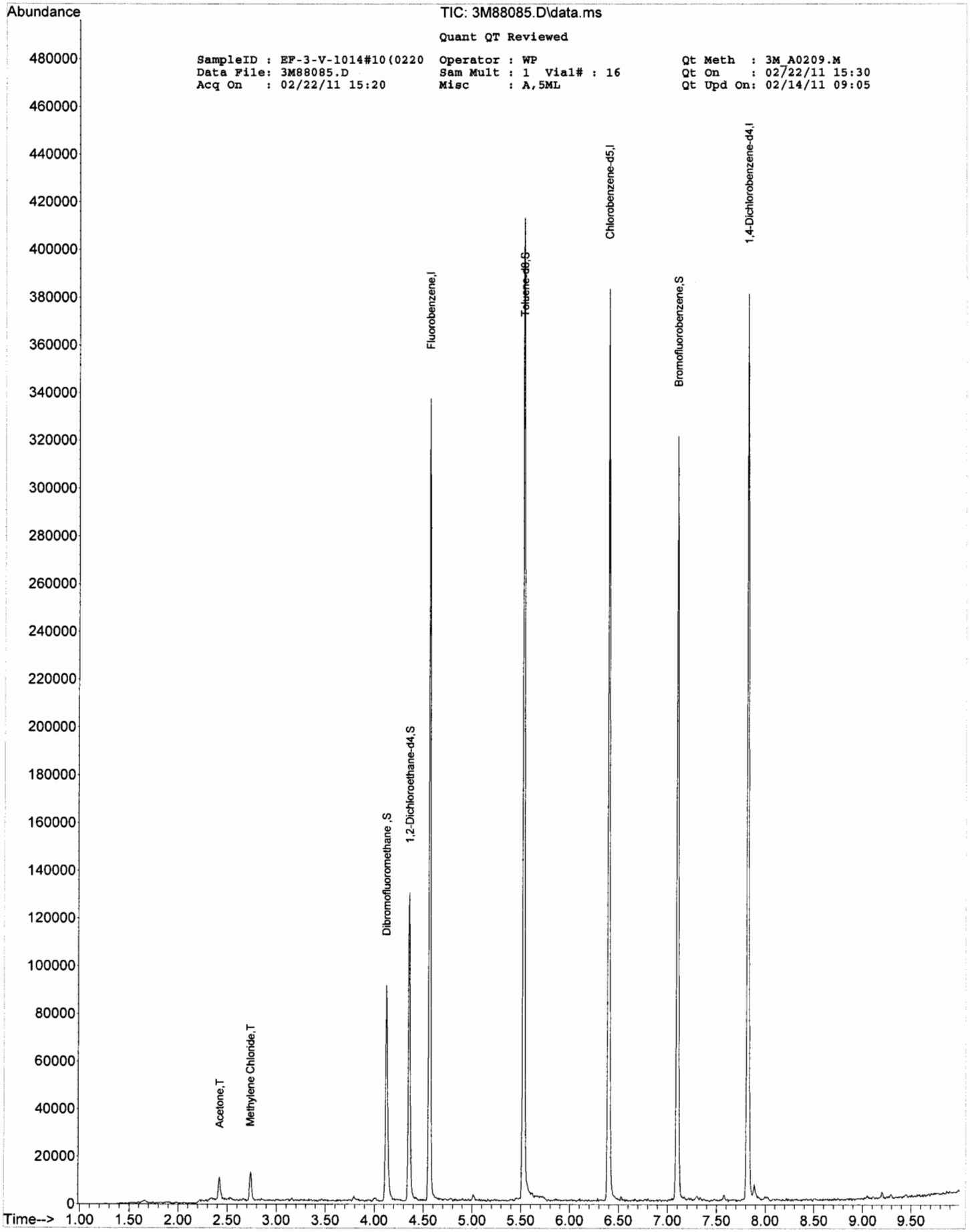
SampleID : EF-3-V-1014#10(0220 Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88085.D Sam Mult : 1 Vial# : 16 Qt On : 02/22/11 15:30
Acq On : 02/22/11 15:20 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	161684	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	146568	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.820	152	86173	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	42139	30.91	ug/l	0.01
Spiked Amount 30.000			Recovery =	103.03%		
35) 1,2-Dichloroethane-d4	4.357	102	9941	32.01	ug/l	0.01
Spiked Amount 30.000			Recovery =	106.70%		
59) Toluene-d8	5.529	100	112049	27.72	ug/l	0.01
Spiked Amount 30.000			Recovery =	92.40%		
67) Bromofluorobenzene	7.099	174	73140	28.47	ug/l	0.01
Spiked Amount 30.000			Recovery =	94.90%		
Target Compounds						Qvalue
13) Methylene Chloride	2.733	84	3069	2.72	ug/l	87
17) Acetone	2.420	43	9707	17.44	ug/l	90

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

lw


Abundance
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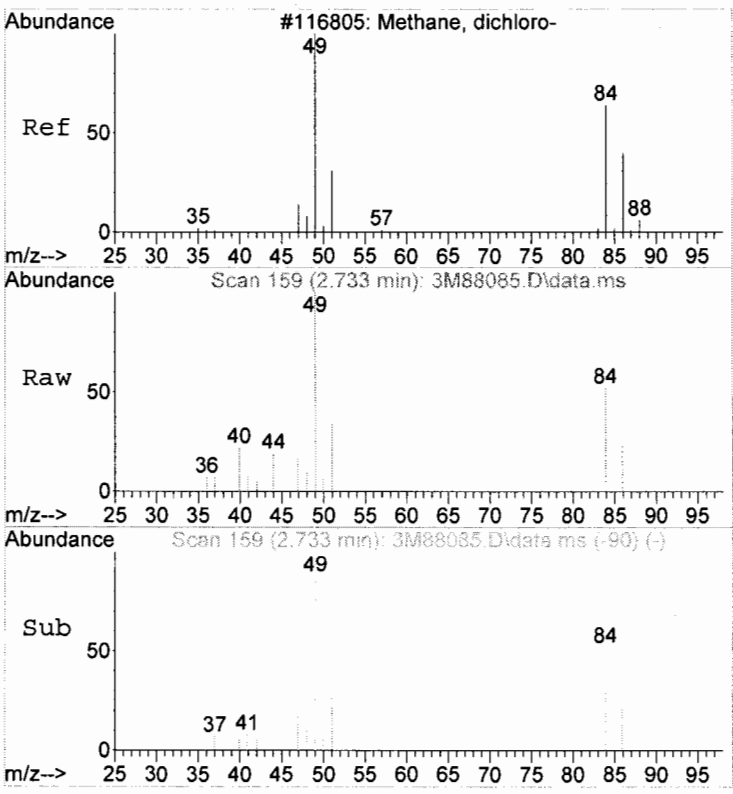
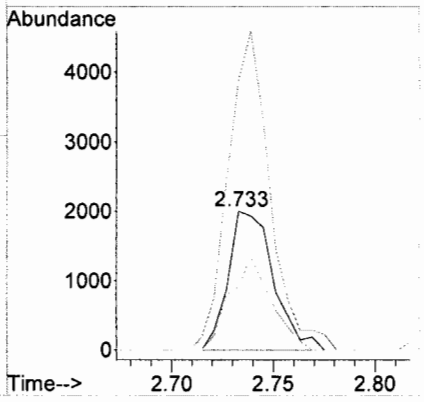
Quant QT Reviewed
SampleID : EF-3-V-1014#10(0220
Data File: 3M88085.D
Acq On : 02/22/11 15:20
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 15:30
Qt Upd On: 02/14/11 09:05
Acetone,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

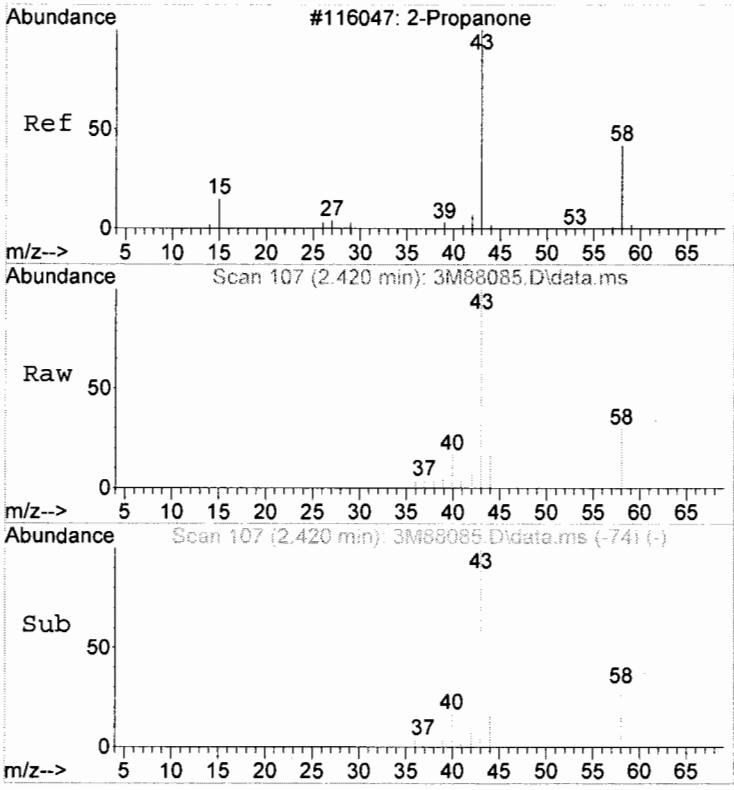


#13
Methylene Chloride
Concen: 2.72 ug/l
RT: 2.733 min Scan# 159
Delta R.T. 0.012 min
Lab File: 3M88085.D
Acq: 22 Feb 2011 15:20

Tgt Ion: 84 Resp: 3069

Ion	Ratio	Lower	Upper
84	100		
49	193.7	102.1	306.1
86	45.4	41.7	97.3

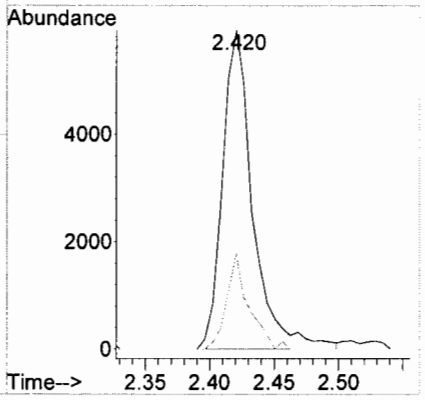




#17
Acetone
Concen: 17.44 ug/l
RT: 2.420 min Scan# 107
Delta R.T. 0.017 min
Lab File: 3M88085.D
Acq: 22 Feb 2011 15:20

Tgt Ion: 43 Resp: 9707

Ion	Ratio	Lower	Upper
43	100		
58	29.7	0.0	64.8



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-V-1014#15(02251
Client Id:
Data File: 3M88324.D
Analysis Date: 02/25/11 18:12
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**7.6**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**19**	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

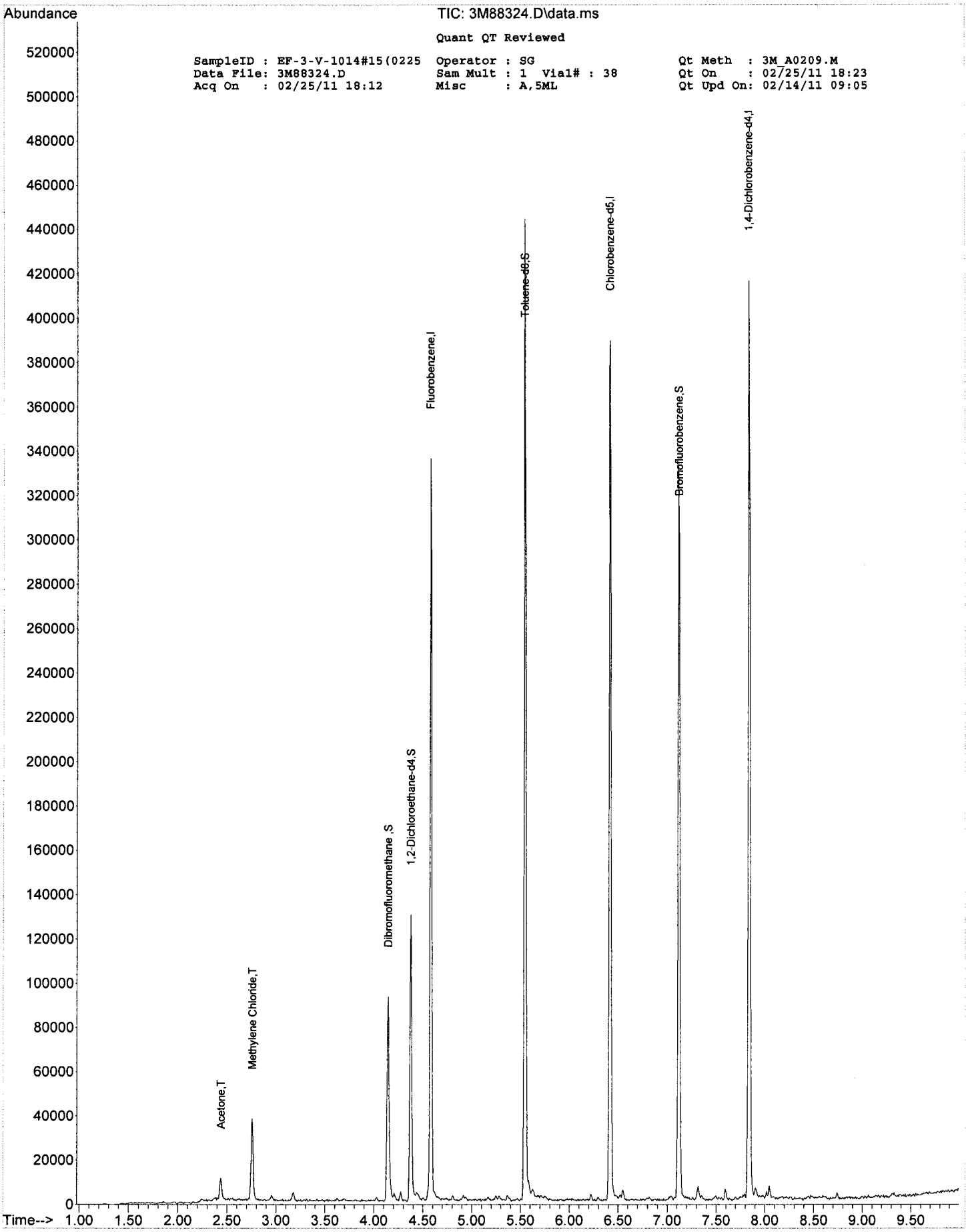
Quantitation Report (QT Reviewed)

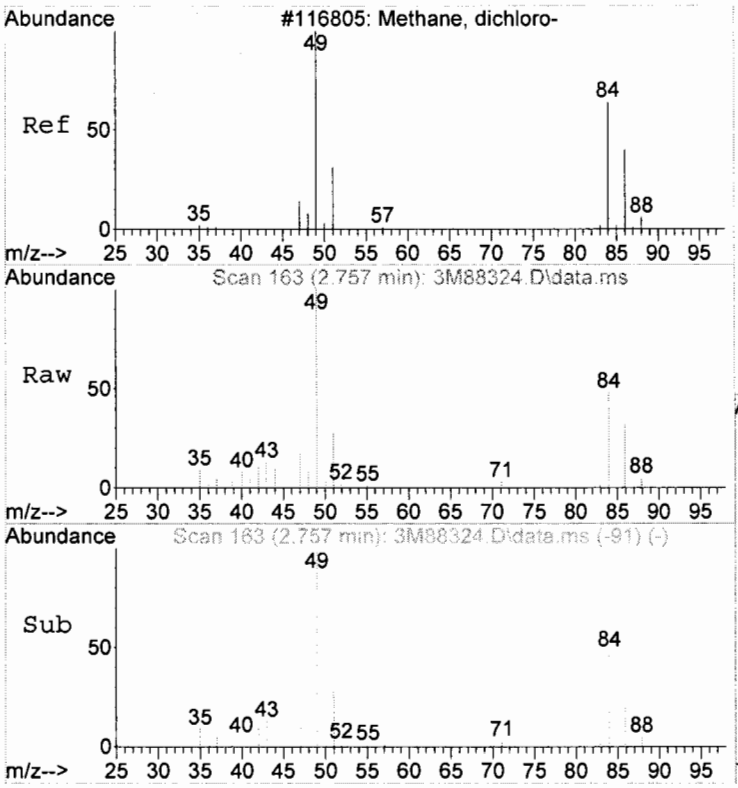
SampleID : EF-3-V-1014#15(0225 Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88324.D Sam Mult : 1 Vial# : 38 Qt On : 02/25/11 18:23
Acq On : 02/25/11 18:12 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.579	96	160538	30.00	ug/l	0.03
48) Chlorobenzene-d5	6.419	117	150144	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.838	152	93833	30.00	ug/l	0.03
System Monitoring Compounds						
33) Dibromofluoromethane	4.146	111	41258	30.48	ug/l	0.03
Spiked Amount 30.000			Recovery =	101.60%		
35) 1,2-Dichloroethane-d4	4.374	102	9625	31.21	ug/l	0.03
Spiked Amount 30.000			Recovery =	104.03%		
59) Toluene-d8	5.547	100	115746	27.95	ug/l	0.03
Spiked Amount 30.000			Recovery =	93.17%		
67) Bromofluorobenzene	7.122	174	74888	26.77	ug/l	0.03
Spiked Amount 30.000			Recovery =	89.23%		
Target Compounds						Qvalue
13) Methylene Chloride	2.757	84	8552	7.65	ug/l	97
17) Acetone	2.438	43	10310	18.65	ug/l	85

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

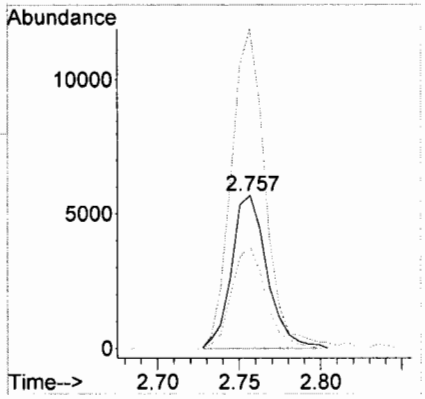

Abundance
TIC: 3M88324.D\data.ms
Quant QT Reviewed
SampleID : EF-3-V-1014#15(0225
Data File: 3M88324.D
Acq On : 02/25/11 18:12
Operator : SG
Sam Mult : 1 Vial# : 38
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 18:23
Qt Upd On: 02/14/11 09:05
Acetone,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

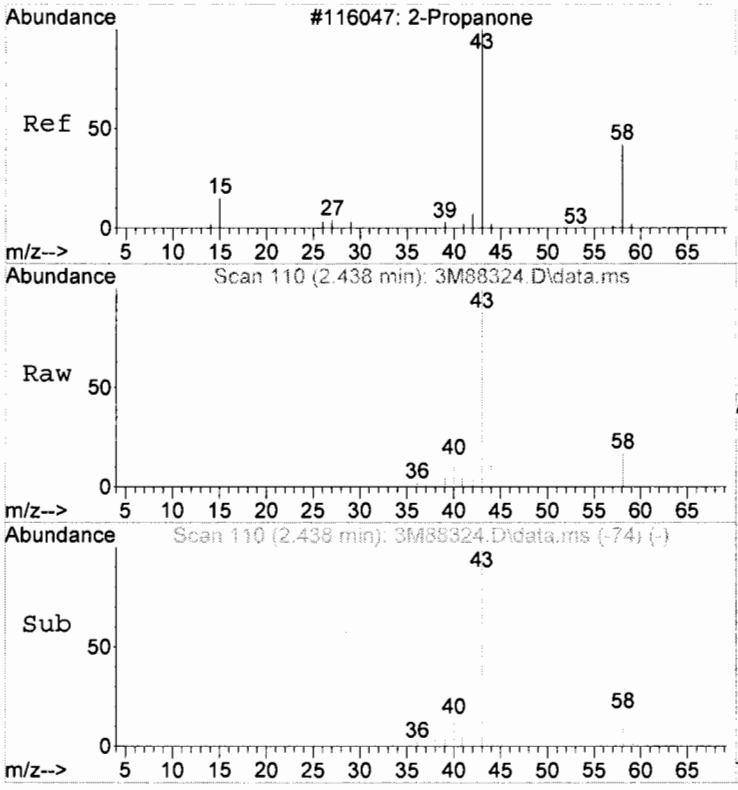


#13
Methylene Chloride
Concen: 7.65 ug/l
RT: 2.757 min Scan# 163
Delta R.T. 0.036 min
Lab File: 3M88324.D
Acq: 25 Feb 2011 18:12

Tgt Ion: 84 Resp: 8552

Ion	Ratio	Lower	Upper
84	100		
49	209.3	102.1	306.1
86	66.8	41.7	97.3

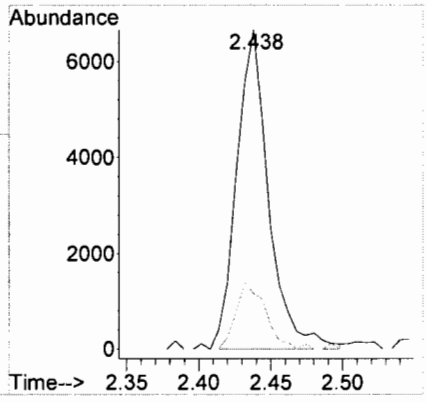




#17
Acetone
Concen: 18.65 ug/l
RT: 2.438 min Scan# 110
Delta R.T. 0.035 min
Lab File: 3M88324.D
Acq: 25 Feb 2011 18:12

Tgt Ion: 43 Resp: 10310

Ion	Ratio	Lower	Upper
43	100		
58	17.4	0.0	64.8



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-V-1014(030211)
Client Id:
Data File: 2M63713.D
Analysis Date: 03/03/11 16:35
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	**67-66-3**	**Chloroform**	**0.36**	**1.0**	**1.0**
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**5.7**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	Acetone	4.0	5.0	U	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

Worksheet #: 183431

Total Target Concentration 6.7

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

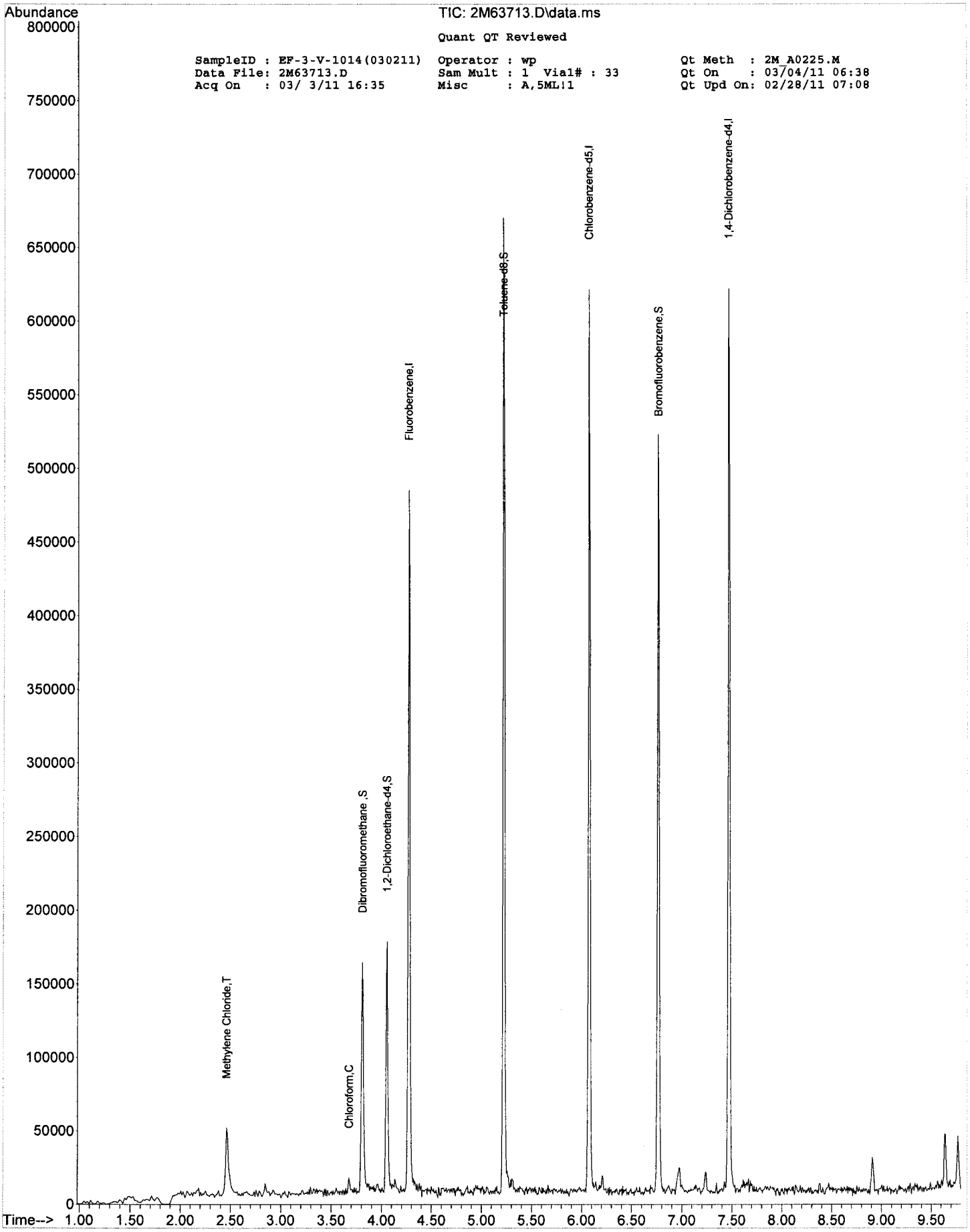
Quantitation Report (QT Reviewed)

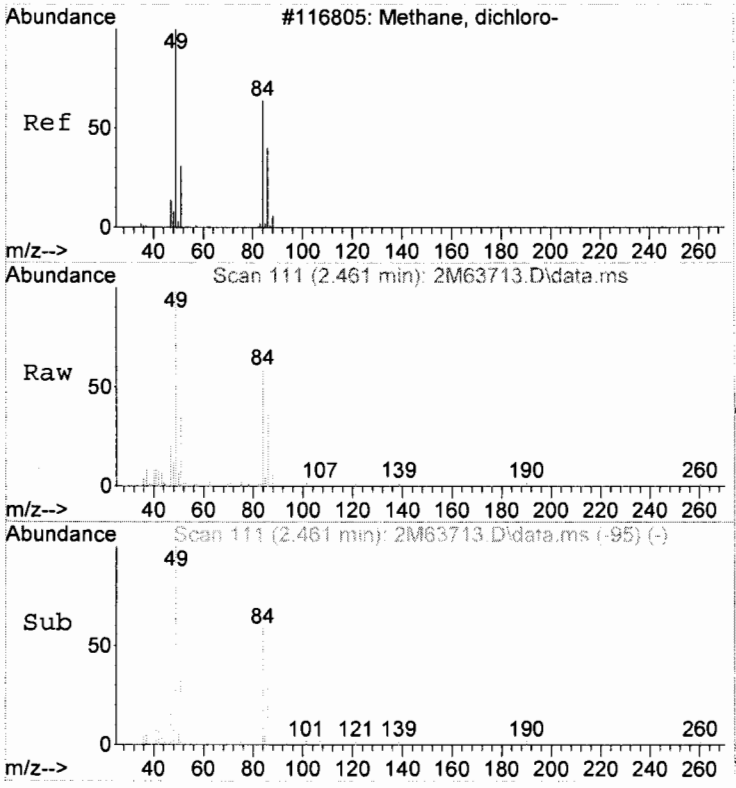
SampleID : EF-3-V-1014(030211) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63713.D Sam Mult : 1 Vial# : 33 Qt On : 03/04/11 06:38
Acq On : 03/ 3/11 16:35 Misc : A,5ML!1 Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.271	96	263890	30.00	ug/l	-0.04
51) Chlorobenzene-d5	6.075	117	225669	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	133552	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.807	111	68789	31.44	ug/l	-0.04
Spiked Amount 30.000			Recovery = 104.80%			
38) 1,2-Dichloroethane-d4	4.054	67	41634	30.04	ug/l	-0.04
Spiked Amount 30.000			Recovery = 100.13%			
65) Toluene-d8	5.221	98	283880	28.46	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.87%			
75) Bromofluorobenzene	6.767	174	126933	30.43	ug/l	-0.04
Spiked Amount 30.000			Recovery = 101.43%			
Target Compounds						Qvalue
15) Methylene Chloride	2.461	84	18375	5.71	ug/l	80
35) Chloroform	3.675	83	4836	1.04	ug/l	54

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

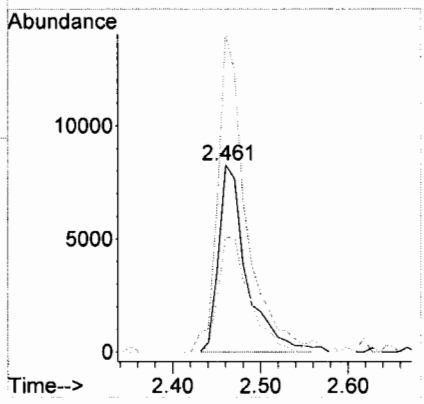

Abundance
TIC: 2M63713.D\data.ms
Quant QT Reviewed
SampleID : EF-3-V-1014(030211)
Data File: 2M63713.D
Acq On : 03/ 3/11 16:35
Operator : wp
Sam Mult : 1 Vial# : 33
Misc : A,5ML;1
Qt Meth : 2M_A0225.M
Qt On : 03/04/11 06:38
Qt Upd On: 02/28/11 07:08
Methylene Chloride,T
Chloroform,C
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

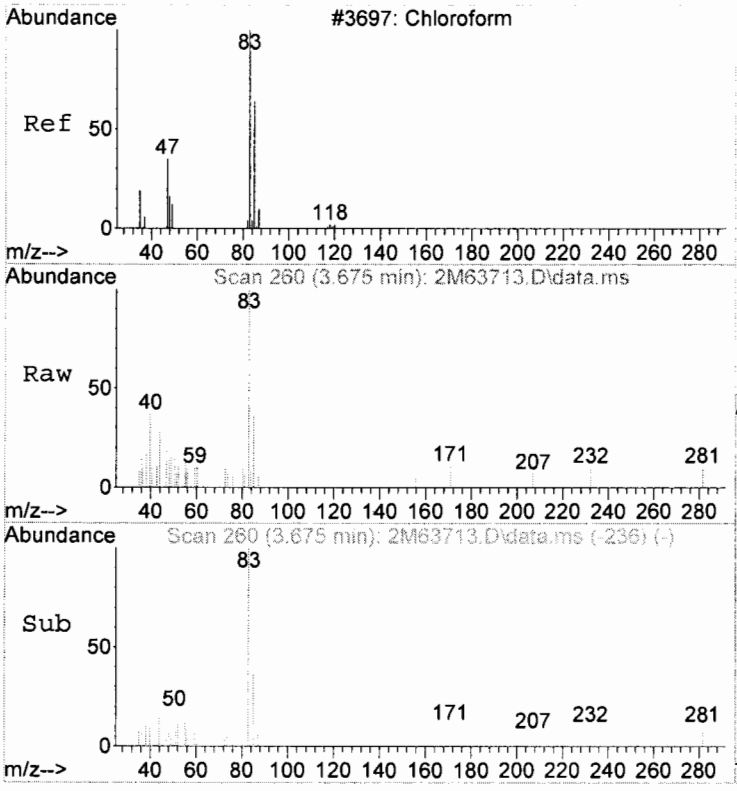


#15
Methylene Chloride
Concen: 5.71 ug/l
RT: 2.461 min Scan# 111
Delta R.T. -0.040 min
Lab File: 2M63713.D
Acq: 3 Mar 2011 16:35

Tgt Ion: 84 Resp: 18375

Ion	Ratio	Lower	Upper
84	100		
49	170.2	56.4	225.6
86	61.0	28.0	112.0

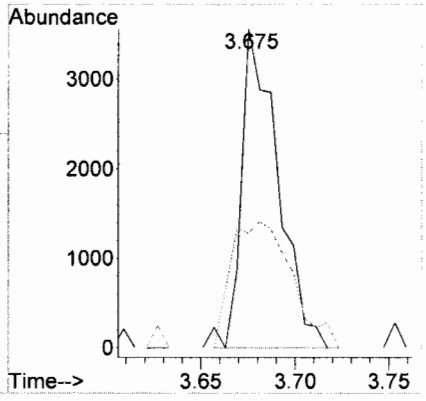




#35
Chloroform
Concen: 1.04 ug/l
RT: 3.675 min Scan# 260
Delta R.T. -0.054 min
Lab File: 2M63713.D
Acq: 3 Mar 2011 16:35

Tgt Ion: 83 Resp: 4836

Ion	Ratio	Lower	Upper
83	100		
85	36.2	36.0	116.0



Form3
Recovery Data
QC Batch: MBS6006

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65422.D	MBS6006	2/11/2011 11:44:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.7	0	20	74	21	137
1,1-Dichloroethene	1	13.94	0	20	70	21	133
1,1-Dichloroethane	1	16.27	0	20	81	44	134
Chloroform	1	17.42	0	20	87	40	148
1,2-Dichloroethane	1	19.37	0	20	97	43	144
2-Butanone	1	19.9	0	20	100	25	157
Carbon Tetrachloride	1	15.28	0	20	76	42	146
Trichloroethene	1	16.41	0	20	82	46	127
Benzene	1	18.35	0	20	92	49	135
Tetrachloroethene	1	13.55	0	20	68	42	138
Toluene	1	15.59	0	20	78	53	129
Chlorobenzene	1	15.36	0	20	77	51	129
1,4-Dichlorobenzene	1	15.22	0	20	76	45	128
1,2-Dichlorobenzene	1	15.53	0	20	78	50	126
n-Propylbenzene	1	16.31	0	20	82	45	135
sec-Butylbenzene	1	16.1	0	20	80	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65422.D
Acq On : 02/11/11 11:44

Operator : SG
Sam Mult : 1 Vial# : 8
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/11/11 12:03
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.621	96	124457	30.00	ug/l		-0.01
51) Chlorobenzene-d5	6.178	117	86385	30.00	ug/l		-0.01
69) 1,4-Dichlorobenzene-d4	7.416	152	37623	30.00	ug/l		-0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.230	111	33605	29.62	ug/l		-0.02
Spiked Amount 30.000			Recovery = 98.73%				
38) 1,2-Dichloroethane-d4	4.435	67	23356	29.20	ug/l		-0.01
Spiked Amount 30.000			Recovery = 97.33%				
65) Toluene-d8	5.439	98	119368	27.92	ug/l		-0.01
Spiked Amount 30.000			Recovery = 93.07%				
75) Bromofluorobenzene	6.785	174	30108	29.22	ug/l		-0.01
Spiked Amount 30.000			Recovery = 97.40%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.454	51	24547	9.52	ug/l		92
6) Dichlorodifluoromethane	1.437	85	16154	10.77	ug/l		88
7) Chloromethane	1.592	50	22888	14.81	ug/l		79
8) Bromomethane	1.926	94	8442	10.09	ug/l		96
9) Vinyl Chloride	1.661	62	16794	14.70	ug/l		93
10) Chloroethane	2.001	64	10136	14.11	ug/l		96
11) Trichlorofluoromethane	2.191	101	12492	13.58	ug/l		85
12) Ethyl ether	2.409	59	21194	19.41	ug/l		83
13) Furan	2.433	39	71699	18.14	ug/l		75
14) 1,1,2-Trichloro-1,2,2-...	2.595	101	9875	13.20	ug/l		90
15) Methylene Chloride	2.938	84	23663	16.45	ug/l		75
16) Acrolein	2.487	56	19486	90.12	ug/l		99
17) Acrylonitrile	3.112	53	10119	17.74	ug/l		94
18) Iodomethane	2.704	142	18821	12.75	ug/l		85
19) Acetone	2.601	43	54996	91.49	ug/l		97
20) Carbon Disulfide	2.770	76	63458	25.07	ug/l		100
21) t-Butyl Alcohol	3.010	59	9214	91.41	ug/l		92
22) n-Hexane	3.389	57	17475	14.47	ug/l		92
23) Di-isopropyl-ether	3.545	45	111589	19.60	ug/l		96
24) 1,1-Dichloroethene	2.589	61	30513	13.94	ug/l		94
25) Methyl Acetate	2.860	43	28355	16.98	ug/l		100
26) Methyl-t-butyl ether	3.166	73	51794	19.28	ug/l		76
27) 1,1-Dichloroethane	3.491	63	42707	16.27	ug/l		97
28) trans-1,2-Dichloroethene	3.166	96	17467	15.79	ug/l		90
29) cis-1,2-Dichloroethene	3.930	61	42725	16.68	ug/l		95
30) Bromochloromethane	4.080	49	27330	17.88	ug/l	#	53
31) 2,2-Dichloropropane	3.936	77	18812	12.93	ug/l		98
32) Ethyl acetate	3.966	43	39908	19.90	ug/l		88
33) 1,4-Dioxane	4.994	88	10461	1010.46	ug/l		58
34) 1,1-Dichloropropene	4.357	75	26477	16.51	ug/l		94
35) Chloroform	4.134	83	37665	17.42	ug/l		84
37) Cyclohexane	4.309	56	28165	15.51	ug/l		75
39) 1,2-Dichloroethane	4.477	62	37255	19.37	ug/l		90
40) 2-Butanone	3.924	43	14257	19.90	ug/l		86
41) 1,1,1-Trichloroethane	4.266	97	23278	16.00	ug/l		97
42) Carbon Tetrachloride	4.369	117	16447	15.28	ug/l		99
43) Vinyl Acetate	3.515	43	54380	14.80	ug/l		100
44) Bromodichloromethane	5.066	83	28530	18.16	ug/l		89
45) Methylcyclohexane	4.934	83	17306	15.60	ug/l		81
46) Dibromomethane	5.000	174	10209	18.30	ug/l		95
47) 1,2-Dichloropropane	4.934	63	25679	19.01	ug/l		95
48) Trichloroethene	4.820	130	15920	16.41	ug/l		86
49) Benzene	4.477	78	82907	18.35	ug/l		100
50) tert-Amyl methyl ether	4.531	73	60492	21.73	ug/l		67
52) Iso-propylacetate	4.489	43	67734	19.84	ug/l		87
53) Methyl methacrylate	4.970	41	36799	16.94	ug/l		84
54) Dibromochloromethane	5.877	129	17890	15.95	ug/l		99
55) 2-Chloroethylvinylether	5.204	63	16117	14.90	ug/l		75
56) cis-1,3-Dichloropropene	5.294	75	32806	14.90	ug/l		89
57) trans-1,3-Dichloropropene	5.565	75	25915	13.50	ug/l		97
58) Ethyl methacrylate	5.595	41	40065	17.73	ug/l		94
59) 1,1,2-Trichloroethane	5.667	97	17705	16.47	ug/l		93
60) 1,2-Dibromoethane	5.944	107	17286	16.18	ug/l		92
61) 1,3-Dichloropropane	5.751	76	34241	17.53	ug/l		94
62) 4-Methyl-2-Pentanone	5.361	43	36465	15.47	ug/l		94
63) 2-Hexanone	5.775	43	24729	16.40	ug/l		94
64) Tetrachloroethene	5.763	164	10351	13.55	ug/l		99
66) Toluene	5.475	92	45024	15.59	ug/l		92
67) 1,1,1,2-Tetrachloroethane	6.226	133	14152	16.45	ug/l		59

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65422.D
Acq On : 02/11/11 11:44

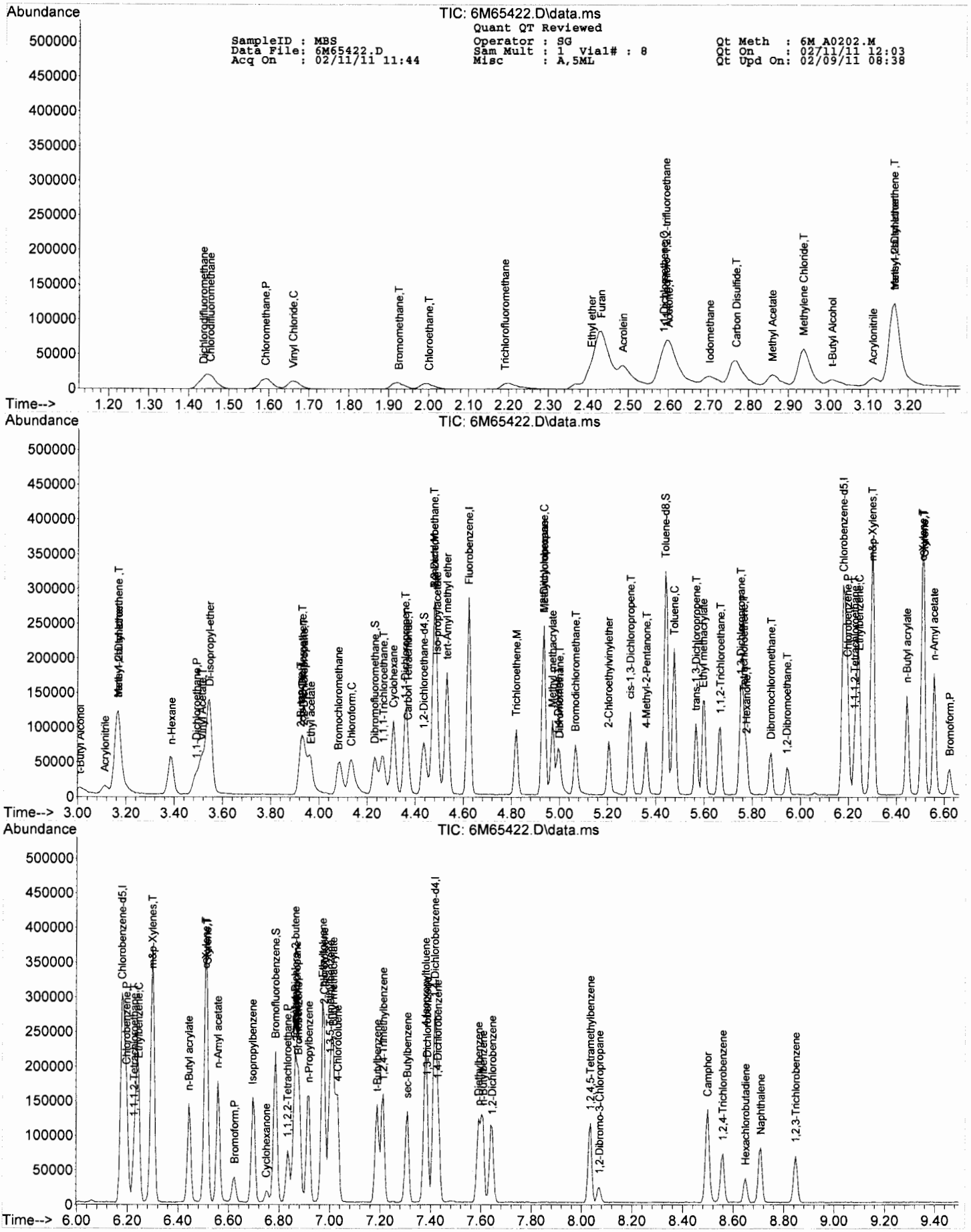
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/11/11 12:03
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Chlorobenzene	6.196	112	44682	15.36	ug/l	97
70) n-Butyl acrylate	6.443	55	54915	17.44	ug/l	92
71) n-Amyl acetate	6.557	43	66046	19.19	ug/l	95
72) Bromoform	6.623	173	10457	15.32	ug/l	99
73) Ethylbenzene	6.244	106	21008	16.13	ug/l	96
74) 1,1,2,2-Tetrachloroethane	6.833	83	25593	17.44	ug/l	91
76) Styrene	6.515	104	48080	18.24	ug/l	96
77) m&p-Xylenes	6.298	106	53071	35.70	ug/l	97
78) o-Xylene	6.509	106	27493	19.13	ug/l	84
79) trans-1,4-Dichloro-2-b...	6.863	53	11312	16.74	ug/l	85
80) 1,3-Dichlorobenzene	7.386	146	28752	17.00	ug/l	92
81) 1,4-Dichlorobenzene	7.428	146	28822	15.22	ug/l	94
82) 1,2-Dichlorobenzene	7.645	146	27046	15.53	ug/l	95
83) Isopropylbenzene	6.695	105	57586	15.62	ug/l	99
84) Cyclohexanone	6.749	55	4651	84.28	ug/l	87
85) Camphene	6.863	93	17372	16.12	ug/l	90
86) 1,2,3-Trichloropropane	6.869	75	30466	18.44	ug/l	80
87) 2-Chlorotoluene	6.978	91	55168	16.07	ug/l	94
88) p-Ethyltoluene	6.972	105	67152	15.82	ug/l	75
89) 4-Chlorotoluene	7.032	91	53192	15.90	ug/l	95
90) n-Propylbenzene	6.917	91	79715	16.31	ug/l	94
91) Bromobenzene	6.875	77	52740	17.82	ug/l	83
92) 1,3,5-Trimethylbenzene	7.002	105	48686	17.13	ug/l	90
93) Butyl methacrylate	7.014	41	55448	20.79	ug/l	94
94) t-Butylbenzene	7.188	119	40464	15.61	ug/l	90
95) 1,2,4-Trimethylbenzene	7.212	105	53596	17.63	ug/l	93
96) sec-Butylbenzene	7.308	105	55155	16.10	ug/l	91
97) 4-Isopropyltoluene	7.380	119	41568	15.76	ug/l	94
98) n-Butylbenzene	7.609	91	52636	16.97	ug/l	90
99) p-Diethylbenzene	7.591	119	20883	14.60	ug/l	97
100) 1,2,4,5-Tetramethylben...	8.036	119	37072	13.99	ug/l	95
101) 1,2-Dibromo-3-Chloropr...	8.072	157	3020	13.38	ug/l	97
102) Camphor	8.498	95	17980	191.87	ug/l	98
103) Hexachlorobutadiene	8.649	225	3958	12.35	ug/l	97
104) 1,2,4-Trichlorobenzene	8.558	180	12293	13.53	ug/l	98
105) 1,2,3-Trichlorobenzene	8.847	180	11728	14.16	ug/l	97
106) Naphthalene	8.709	128	39480	15.08	ug/l	100

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


Abundance
TIC: 6M65422.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 6M65422.D
Acq On : 02/11/11 11:44
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/11/11 12:03
Qt Upd On: 02/09/11 08:38
Time-->

Form3
Recovery Data
QC Batch: MBS6024

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65527.D	MBS6024	2/15/2011 3:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	23.19	0	20	116	21	137
1,1-Dichloroethene	1	15.34	0	20	77	21	133
1,1-Dichloroethane	1	23.44	0	20	117	44	134
Chloroform	1	24.81	0	20	124	40	148
1,2-Dichloroethane	1	26.36	0	20	132	43	144
2-Butanone	1	27.17	0	20	136	25	157
Carbon Tetrachloride	1	26.91	0	20	135	42	146
Trichloroethene	1	24.34	0	20	122	46	127
Benzene	1	25.4	0	20	127	49	135
Tetrachloroethene	1	22.75	0	20	114	42	138
Toluene	1	22.16	0	20	111	53	129
Chlorobenzene	1	21.75	0	20	109	51	129
1,4-Dichlorobenzene	1	19.66	0	20	98	45	128
1,2-Dichlorobenzene	1	19.53	0	20	98	50	126
n-Propylbenzene	1	20.16	0	20	101	45	135
sec-Butylbenzene	1	19.7	0	20	98	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18

Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.616	96	176000	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.173	117	118350	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.411	152	56504	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.219	111	52593	32.78	ug/l	-0.03
Spiked Amount 30.000			Recovery = 109.27%			
38) 1,2-Dichloroethane-d4	4.424	67	34336	30.35	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.17%			
65) Toluene-d8	5.434	98	167175	28.54	ug/l	-0.02
Spiked Amount 30.000			Recovery = 95.13%			
75) Bromofluorobenzene	6.780	174	45351	29.30	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.430	51	54627	14.98	ug/l	80
6) Dichlorodifluoromethane	1.424	85	41239	19.44	ug/l	88
7) Chloromethane	1.562	50	51492	23.57	ug/l	78
8) Bromomethane	1.908	94	21840	18.41	ug/l	86
9) Vinyl Chloride	1.649	62	37468	23.19	ug/l	99
10) Chloroethane	1.983	64	22531	22.18	ug/l	99
11) Trichlorofluoromethane	2.190	101	43165	33.18	ug/l	86
12) Ethyl ether	2.392	59	34707	22.48	ug/l	93
13) Furan	2.422	39	105392	18.85	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.572	101	19775	18.69	ug/l	91
15) Methylene Chloride	2.927	84	40322	19.82	ug/l	76
16) Acrolein	2.482	56	25127	82.18	ug/l	92
17) Acrylonitrile	3.101	53	15550	19.28	ug/l	98
18) Iodomethane	2.692	142	49555	33.09	ug/l	90
19) Acetone	2.596	43	67010	78.83	ug/l	98
20) Carbon Disulfide	2.753	76	119875	32.99	ug/l	100
21) t-Butyl Alcohol	2.999	59	15522	108.89	ug/l	94
22) n-Hexane	3.372	57	34199	20.02	ug/l	96
23) Di-isopropyl-ether	3.528	45	203688	25.30	ug/l	96
24) 1,1-Dichloroethene	2.572	61	47489	15.34	ug/l	89
25) Methyl Acetate	2.843	43	48469	20.52	ug/l	100
26) Methyl-t-butyl ether	3.149	73	93004	24.48	ug/l	81
27) 1,1-Dichloroethane	3.474	63	86975	23.44	ug/l	100
28) trans-1,2-Dichloroethene	3.149	96	39456	25.22	ug/l	91
29) cis-1,2-Dichloroethene	3.913	61	81586	22.53	ug/l	97
30) Bromochloromethane	4.069	49	54393m	25.17	ug/l	
31) 2,2-Dichloropropane	3.919	77	51235	24.89	ug/l	92
32) Ethyl acetate	3.955	43	56707	20.00	ug/l	90
33) 1,4-Dioxane	4.989	88	17180	1173.48	ug/l	60
34) 1,1-Dichloropropene	4.346	75	56259	24.80	ug/l	97
35) Chloroform	4.117	83	75844	24.81	ug/l	87
37) Cyclohexane	4.297	56	58787	22.89	ug/l	78
39) 1,2-Dichloroethane	4.466	62	71710	26.36	ug/l	98
40) 2-Butanone	3.913	43	27528	27.17	ug/l	89
41) 1,1,1-Trichloroethane	4.249	97	52745	25.63	ug/l	98
42) Carbon Tetrachloride	4.358	117	40960	26.91	ug/l	95
43) Vinyl Acetate	3.504	43	134811	25.94	ug/l	100
44) Bromodichloromethane	5.055	83	55581	25.02	ug/l	91
45) Methylcyclohexane	4.923	83	34640	22.08	ug/l	80
46) Dibromomethane	4.983	174	24615	31.20	ug/l	90
47) 1,2-Dichloropropane	4.923	63	47402	24.81	ug/l	96
48) Trichloroethene	4.808	130	33381	24.34	ug/l	90
49) Benzene	4.466	78	162269	25.40	ug/l	100
50) tert-Amyl methyl ether	4.526	73	93048	23.63	ug/l	79
52) Iso-propylacetate	4.478	43	97675	20.88	ug/l	90
53) Methyl methacrylate	4.965	41	56543	19.00	ug/l	84
54) Dibromochloromethane	5.866	129	35341	23.00	ug/l	94
55) 2-Chloroethylvinylether	5.199	63	27028	18.24	ug/l	75
56) cis-1,3-Dichloropropene	5.283	75	63154	20.94	ug/l	92
57) trans-1,3-Dichloropropene	5.560	75	54949	20.89	ug/l	97
58) Ethyl methacrylate	5.590	41	58090	18.77	ug/l	96
59) 1,1,2-Trichloroethane	5.656	97	32064	21.77	ug/l	93
60) 1,2-Dibromoethane	5.939	107	33554	22.92	ug/l	96
61) 1,3-Dichloropropane	5.746	76	63321	23.66	ug/l	98
62) 4-Methyl-2-Pentanone	5.355	43	59669	18.47	ug/l	96
63) 2-Hexanone	5.770	43	42279	20.46	ug/l	95
64) Tetrachloroethene	5.758	164	23810	22.75	ug/l	90
66) Toluene	5.470	92	87685	22.16	ug/l	90
67) 1,1,1,2-Tetrachloroethane	6.221	133	28369	24.07	ug/l	66

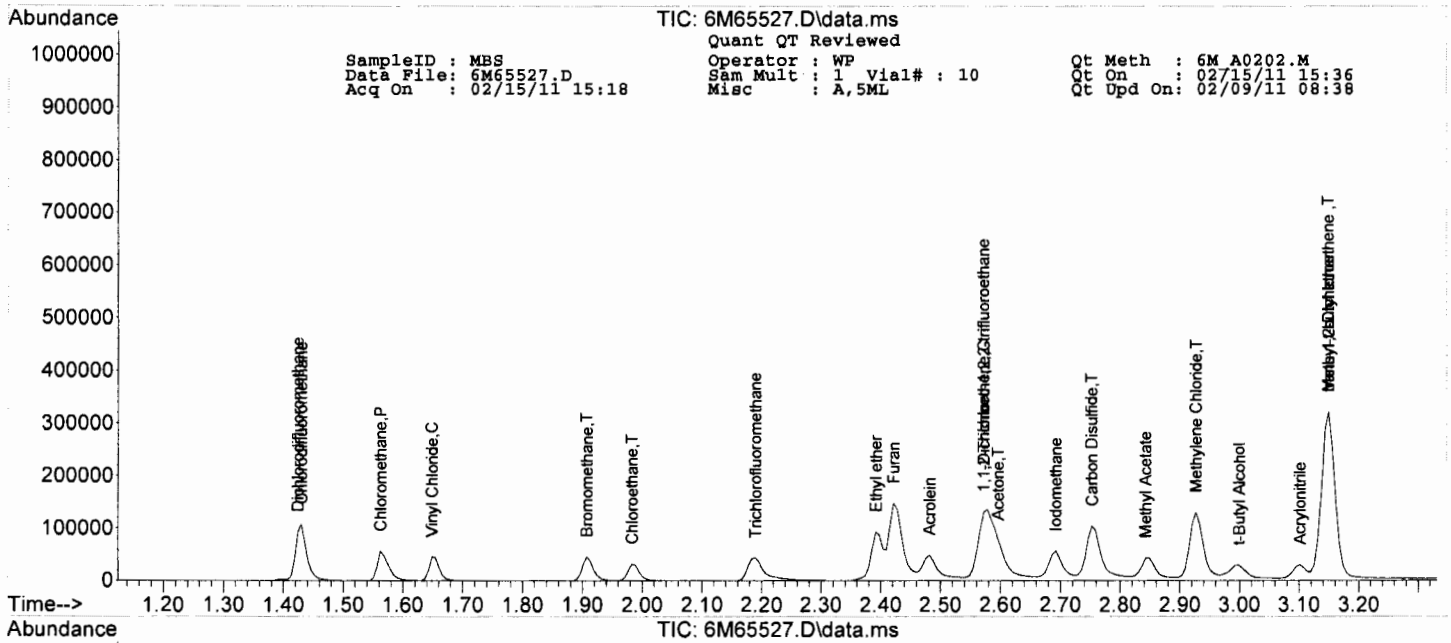
Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.191	112	86658	21.75	ug/l	97
70)	n-Butyl acrylate	6.437	55	75544	15.98	ug/l	93
71)	n-Amyl acetate	6.552	43	92997	17.99	ug/l	95
72)	Bromoform	6.612	173	20316	19.82	ug/l	97
73)	Ethylbenzene	6.233	106	40024	20.46	ug/l	96
74)	1,1,2,2-Tetrachloroethane	6.828	83	43271	19.64	ug/l	93
76)	Styrene	6.504	104	92313	23.32	ug/l	95
77)	m&p-Xylenes	6.293	106	106278	47.61	ug/l	97
78)	o-Xylene	6.504	106	51765	23.98	ug/l	85
79)	trans-1,4-Dichloro-2-b...	6.852	53	23971	23.62	ug/l	61
80)	1,3-Dichlorobenzene	7.375	146	55217	21.74	ug/l	93
81)	1,4-Dichlorobenzene	7.423	146	55907	19.66	ug/l	95
82)	1,2-Dichlorobenzene	7.634	146	51102	19.53	ug/l	95
83)	Isopropylbenzene	6.690	105	110108	19.89	ug/l	99
84)	Cyclohexanone	6.744	55	6050	73.00	ug/l	85
85)	Camphene	6.852	93	31844	19.67	ug/l	92
86)	1,2,3-Trichloropropane	6.864	75	52458	21.14	ug/l	81
87)	2-Chlorotoluene	6.966	91	110992	21.53	ug/l	94
88)	p-Ethyltoluene	6.966	105	125583	19.70	ug/l	77
89)	4-Chlorotoluene	7.021	91	103512	20.60	ug/l	94
90)	n-Propylbenzene	6.906	91	147992	20.16	ug/l	96
91)	Bromobenzene	6.870	77	94985	21.36	ug/l	86
92)	1,3,5-Trimethylbenzene	6.997	105	96524	22.62	ug/l	94
93)	Butyl methacrylate	7.009	41	82750	20.66	ug/l	97
94)	t-Butylbenzene	7.183	119	78680	20.21	ug/l	88
95)	1,2,4-Trimethylbenzene	7.201	105	103336	22.63	ug/l	95
96)	sec-Butylbenzene	7.297	105	101360	19.70	ug/l	93
97)	4-Isopropyltoluene	7.369	119	78512	19.83	ug/l	93
98)	n-Butylbenzene	7.598	91	94859	20.37	ug/l	87
99)	p-Diethylbenzene	7.586	119	38162	17.76	ug/l	95
100)	1,2,4,5-Tetramethylben...	8.024	119	62535	15.72	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.066	157	5347	15.77	ug/l	91
102)	Camphor	8.493	95	25797	183.30	ug/l	97
103)	Hexachlorobutadiene	8.644	225	8291	17.23	ug/l	98
104)	1,2,4-Trichlorobenzene	8.547	180	26524	19.44	ug/l	96
105)	1,2,3-Trichlorobenzene	8.842	180	20926	16.83	ug/l	97
106)	Naphthalene	8.698	128	64767	16.47	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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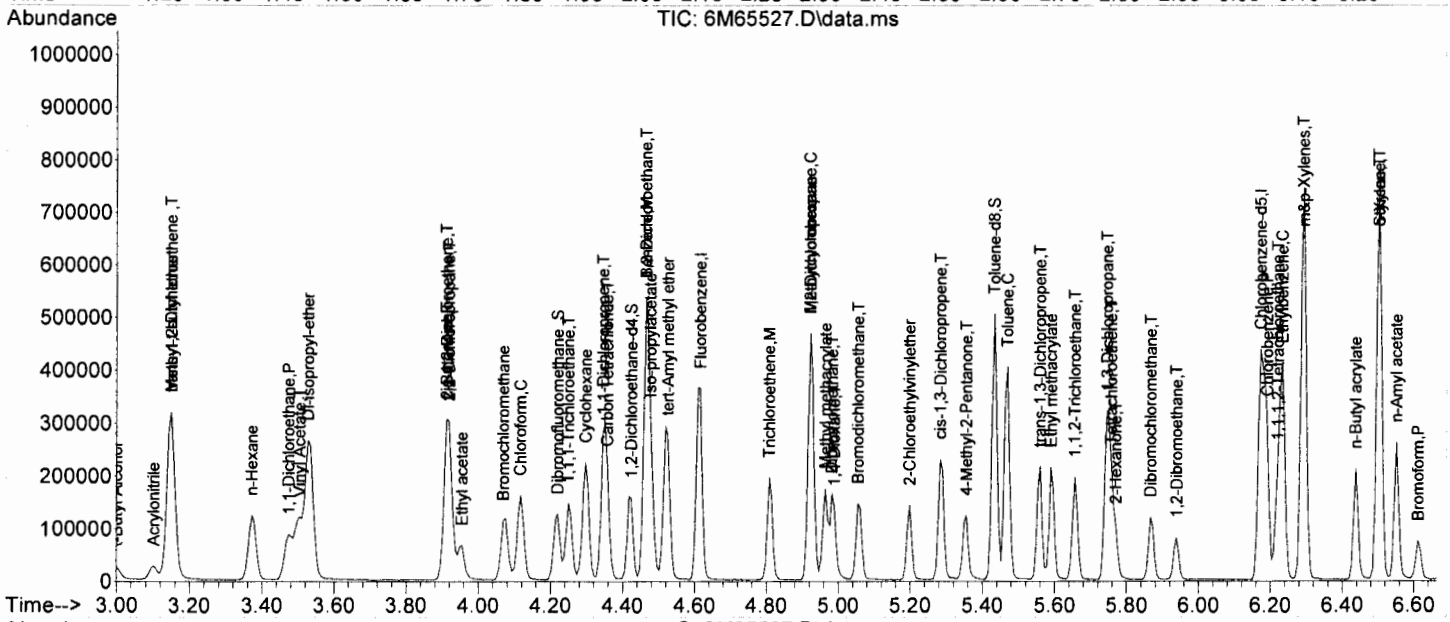
Acq On : 02/15/11 15:18
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->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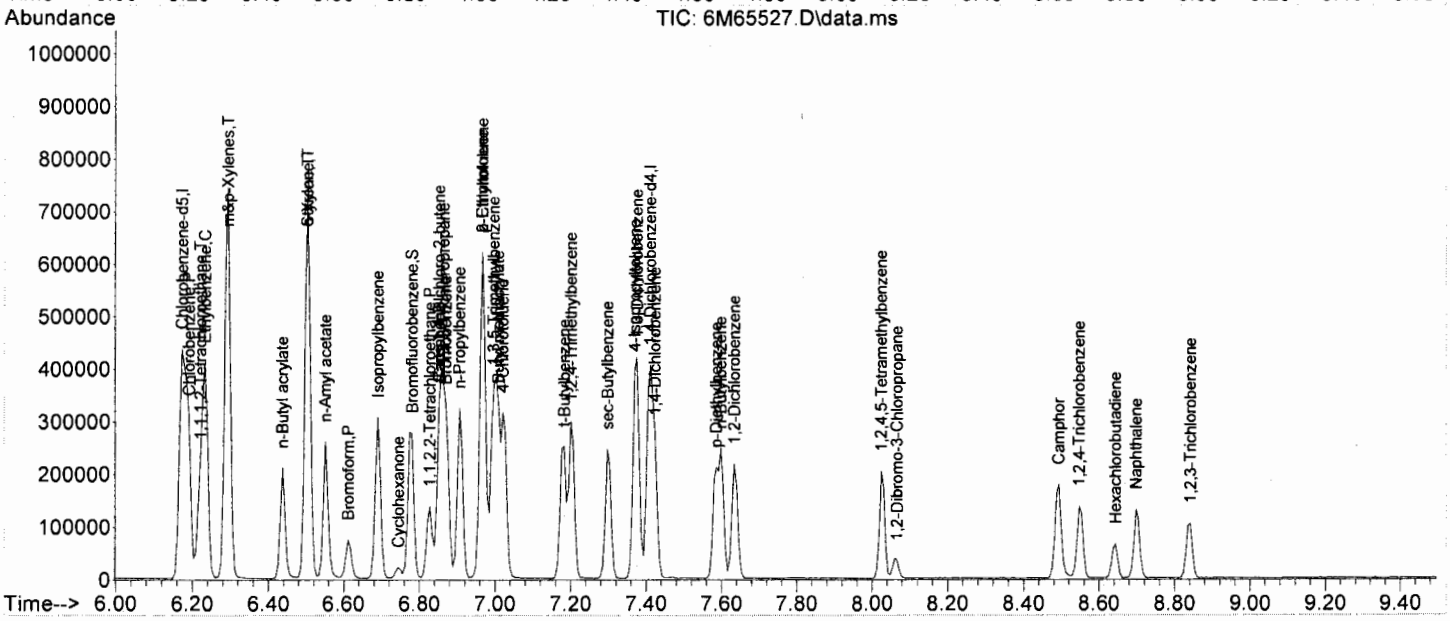
Vinyl Acetate
Di-Isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
Isopropyl acetate,T
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Tetrachloroethene,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65527.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88074.D	MBS6079	2/22/2011 12:17:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.66	0	20	78	21	137
1,1-Dichloroethene	1	20.41	0	20	102	21	133
1,1-Dichloroethane	1	19.15	0	20	96	44	134
Chloroform	1	19.53	0	20	98	40	148
1,2-Dichloroethane	1	20.53	0	20	103	43	144
2-Butanone	1	16.24	0	20	81	25	157
Carbon Tetrachloride	1	21.08	0	20	105	42	146
Trichloroethene	1	19.92	0	20	100	46	127
Benzene	1	20.4	0	20	102	49	135
Tetrachloroethene	1	19.93	0	20	100	42	138
Toluene	1	19.32	0	20	97	53	129
Chlorobenzene	1	19.79	0	20	99	51	129
1,4-Dichlorobenzene	1	18.71	0	20	94	45	128
1,2-Dichlorobenzene	1	18.19	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	17.42	0	20	87	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M88074.D
Acq On : 02/22/11 12:17

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML

Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:14
Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	178400	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	157507	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.820	152	102108	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	46885	31.17	ug/l	0.01
Spiked Amount 30.000			Recovery = 103.90%			
35) 1,2-Dichloroethane-d4	4.356	102	10584	30.89	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.97%			
59) Toluene-d8	5.523	100	126149	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
67) Bromofluorobenzene	7.098	174	88358	29.02	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.73%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.277	51	51930	19.02	ug/l	79
6) Dichlorodifluoromethane	1.261	85	19791	17.40	ug/l	91
7) Chloromethane	1.394	50	28049	19.24	ug/l	87
8) Bromomethane	1.710	94	6241	17.97	ug/l	96
9) Vinyl Chloride	1.477	62	14196	15.66	ug/l	99
10) Chloroethane	1.793	66	2022	20.78	ug/l	67
11) Trichlorofluoromethane	1.976	101	13138	19.21	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.354	101	13616	30.22	ug/l	93
13) Methylene Chloride	2.739	84	24367	19.60	ug/l	87
14) Acrolein	2.300	56	8169	110.33	ug/l	96
15) Acrylonitrile	2.937	53	11557	19.47	ug/l	92
16) Iodomethane	2.486	142	35011	20.99	ug/l	96
17) Acetone	2.420	43	49109	79.95	ug/l	95
18) Carbon Disulfide	2.540	76	70501	19.71	ug/l	100
19) t-Butyl Alcohol	2.829	59	6813	58.77	ug/l	72
20) n-Hexane	3.154	57	14943	18.85	ug/l	78
21) Di-isopropyl-ether	3.334	45	111790	19.91	ug/l	75
22) 1,1-Dichloroethene	2.360	61	36014	20.41	ug/l	83
23) Methyl Acetate	2.661	43	32977	17.71	ug/l	100
24) Methyl-t-butyl ether	2.949	73	44109	20.04	ug/l	89
25) 1,1-Dichloroethane	3.298	63	49324	19.15	ug/l	95
26) trans-1,2-Dichloroethene	2.949	96	19301	22.56	ug/l	97
27) cis-1,2-Dichloroethene	3.773	61	44382	18.27	ug/l	83
28) Bromochloromethane	3.953	49	35075	18.84	ug/l	91
29) 2,2-Dichloropropane	3.773	77	24170	19.30	ug/l	95
30) 1,4-Dioxane	5.012	88	14066	772.31	ug/l	62
31) 1,1-Dichloropropene	4.248	75	38453	20.59	ug/l	95
32) Chloroform	4.008	83	44345	19.53	ug/l	95
34) Cyclohexane	4.176	56	36635	20.53	ug/l	78
36) 1,2-Dichloroethane	4.404	62	48666	20.53	ug/l	98
37) 2-Butanone	3.785	43	19697	16.24	ug/l	78
38) 1,1,1-Trichloroethane	4.140	97	31902	19.32	ug/l	98
39) Carbon Tetrachloride	4.254	117	28648	21.08	ug/l	95
40) Vinyl Acetate	3.328	43	123882	18.64	ug/l	100
41) Bromodichloromethane	5.096	83	39610	17.86	ug/l	92
42) Methylcyclohexane	4.903	83	23099	20.89	ug/l	88
43) Dibromomethane	5.006	174	27987	21.14	ug/l	92
44) 1,2-Dichloropropane	4.928	63	40668	18.15	ug/l	97
45) Trichloroethene	4.789	130	29384	19.92	ug/l	96
46) Benzene	4.392	78	115448	20.40	ug/l	100
47) tert-Amyl methyl ether	4.446	73	55391	15.85	ug/l	85
49) Dibromochloromethane	6.052	129	32389	15.69	ug/l	96
50) 2-Chloroethylvinylether	5.264	63	23891	14.64	ug/l	82
51) cis-1,3-Dichloropropene	5.360	75	48394	15.30	ug/l	94
52) trans-1,3-Dichloropropene	5.691	75	39410	13.44	ug/l	97
53) 1,1,2-Trichloroethane	5.805	97	31541	19.06	ug/l	95
54) 1,2-Dibromoethane	6.130	107	35086	17.33	ug/l	95
55) 1,3-Dichloropropane	5.908	76	60592	21.13	ug/l	92
56) 4-Methyl-2-Pentanone	5.445	43	47711	12.53	ug/l	95
57) 2-Hexanone	5.938	43	33655	11.87	ug/l	90
58) Tetrachloroethene	5.896	164	27361	19.93	ug/l	98
60) Toluene	5.565	92	73082	19.32	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.455	133	30140	21.40	ug/l	90
62) Chlorobenzene	6.413	112	88678	19.79	ug/l	99
64) Bromoform	6.918	173	25689	15.58	ug/l	96
65) Ethylbenzene	6.461	106	33568	20.03	ug/l	93
66) 1,1,2,2-Tetrachloroethane	7.164	83	50740	18.83	ug/l	88
68) Styrene	6.780	104	87506	19.76	ug/l	99
69) m&p-Xylenes	6.527	106	102128	45.31	ug/l	97

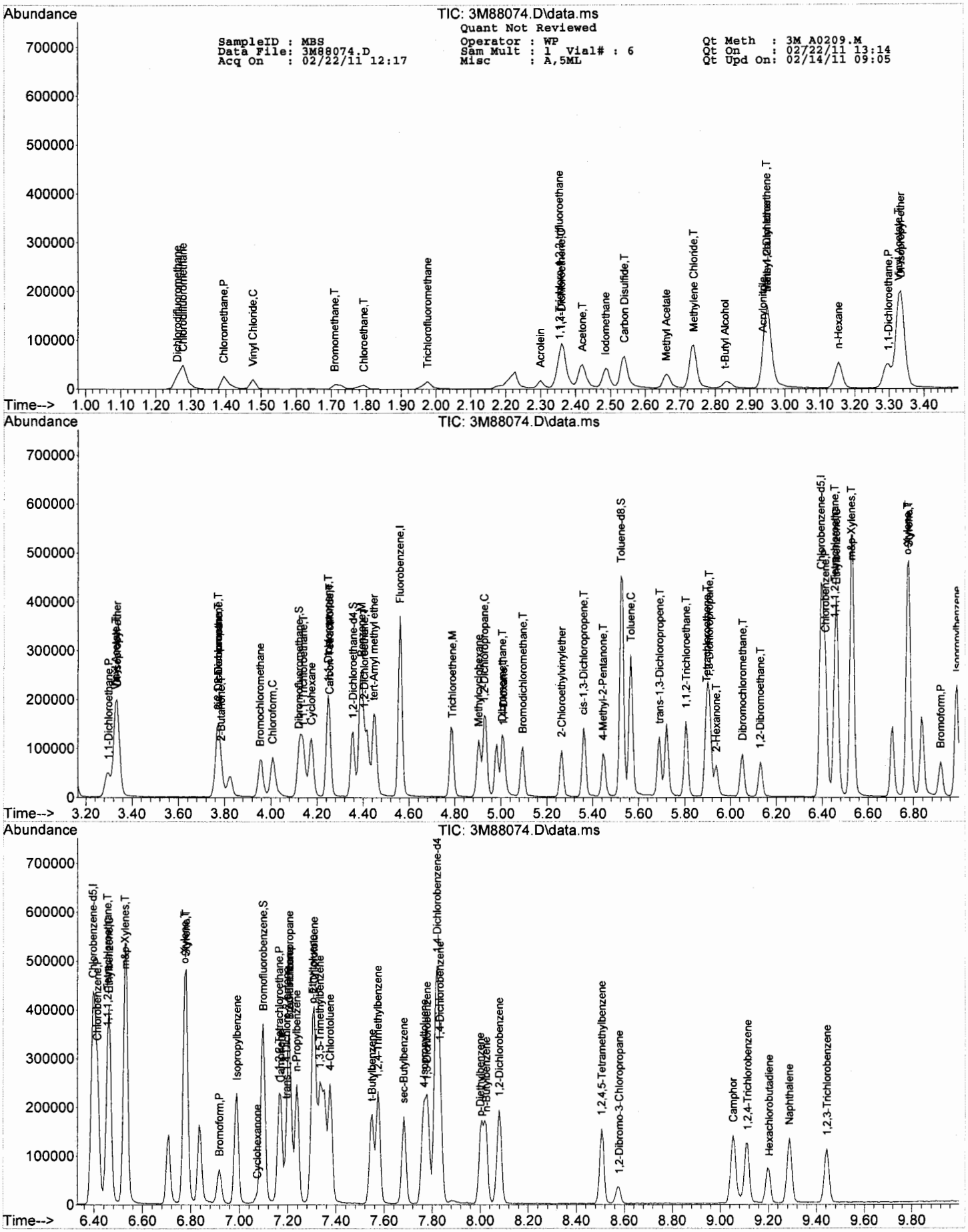
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88074.D Sam Mult : 1 Vial# : 6 Qt On : 02/22/11 13:14
Acq On : 02/22/11 12:17 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.774	106	51626	21.53 ug/l	93
71)	trans-1,4-Dichloro-2-b...	7.195	53	19146	16.54 ug/l	58
72)	1,3-Dichlorobenzene	7.778	146	67546	18.95 ug/l	97
73)	1,4-Dichlorobenzene	7.832	146	70411	18.71 ug/l	94
74)	1,2-Dichlorobenzene	8.079	146	66784	18.19 ug/l	99
75)	Isopropylbenzene	6.990	105	104714	18.40 ug/l	98
76)	Cyclohexanone	7.074	55	6816	37.00 ug/l	93
77)	Camphene	7.170	93	24590	18.02 ug/l	96
78)	1,2,3-Trichloropropane	7.207	75	54306	15.41 ug/l	92
79)	2-Chlorotoluene	7.309	91	78317	19.15 ug/l	98
80)	p-Ethyltoluene	7.303	105	127416	20.86 ug/l	98
81)	4-Chlorotoluene	7.375	91	85374	21.33 ug/l	98
82)	n-Propylbenzene	7.237	91	137300	19.17 ug/l	99
83)	Bromobenzene	7.207	77	98006	18.89 ug/l	87
84)	1,3,5-Trimethylbenzene	7.333	105	85974	18.29 ug/l	94
85)	t-Butylbenzene	7.549	119	72761	18.06 ug/l	95
86)	1,2,4-Trimethylbenzene	7.573	105	99063	20.25 ug/l	87
87)	sec-Butylbenzene	7.682	105	89375	17.42 ug/l	96
88)	4-Isopropyltoluene	7.766	119	71368	19.48 ug/l	99
89)	n-Butylbenzene	8.024	91	82818	18.04 ug/l	98
90)	p-Diethylbenzene	8.000	119	38116	17.43 ug/l	95
91)	1,2,4,5-Tetramethylben...	8.505	119	64973	15.62 ug/l	97
92)	1,2-Dibromo-3-Chloropr...	8.578	157	9046	11.26 ug/l	90
93)	Camphor	9.053	95	29309	102.09 ug/l	96
94)	Hexachlorobutadiene	9.203	225	14211	14.27 ug/l	98
95)	1,2,4-Trichlorobenzene	9.113	180	36450	16.48 ug/l	97
96)	1,2,3-Trichlorobenzene	9.444	180	34059	15.64 ug/l	99
97)	Naphthalene	9.287	128	89163	13.94 ug/l	100

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


Abundance
TIC: 3M88074.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 3M88074.D
Acq On : 02/22/11 12:17
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:14
Qt Upd On: 02/14/11 09:05
Time-->

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.9	0	20	79	21	137
1,1-Dichloroethene	1	19.84	0	20	99	21	133
1,1-Dichloroethane	1	18.48	0	20	92	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	19.11	0	20	96	43	144
2-Butanone	1	20.25	0	20	101	25	157
Carbon Tetrachloride	1	18.58	0	20	93	42	146
Trichloroethene	1	19.01	0	20	95	46	127
Benzene	1	20.5	0	20	102	49	135
Tetrachloroethene	1	17.39	0	20	87	42	138
Toluene	1	18.81	0	20	94	53	129
Chlorobenzene	1	18.38	0	20	92	51	129
1,4-Dichlorobenzene	1	17.57	0	20	88	45	128
1,2-Dichlorobenzene	1	17.98	0	20	90	50	126
n-Propylbenzene	1	20.21	0	20	101	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.78	0	20	79	21	137
1,1-Dichloroethene	1	19.26	0	20	96	21	133
1,1-Dichloroethane	1	18.62	0	20	93	44	134
Chloroform	1	18.71	0	20	94	40	148
1,2-Dichloroethane	1	19.52	0	20	98	43	144
2-Butanone	1	16.45	0	20	82	25	157
Carbon Tetrachloride	1	19.6	0	20	98	42	146
Trichloroethene	1	18.78	0	20	94	46	127
Benzene	1	19.8	0	20	99	49	135
Tetrachloroethene	1	16.96	0	20	85	42	138
Toluene	1	17.96	0	20	90	53	129
Chlorobenzene	1	17.71	0	20	89	51	129
1,4-Dichlorobenzene	1	17.81	0	20	89	45	128
1,2-Dichlorobenzene	1	17.69	0	20	88	50	126
n-Propylbenzene	1	19.92	0	20	100	45	135
sec-Butylbenzene	1	17.96	0	20	90	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Duplicate(If applicable):	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	15.78	15.9	0.76	30
1,1-Dichloroethene	1	19.26	19.84	3	34
1,1-Dichloroethane	1	18.62	18.48	0.75	30
Chloroform	1	18.71	18.17	2.9	37
1,2-Dichloroethane	1	19.52	19.11	2.1	34
2-Butanone	1	16.45	20.25	21	47
Carbon Tetrachloride	1	19.6	18.58	5.3	32
Trichloroethene	1	18.78	19.01	1.2	30
Benzene	1	19.8	20.5	3.5	29
Tetrachloroethene	1	16.96	17.39	2.5	27
Toluene	1	17.96	18.81	4.6	33
Chlorobenzene	1	17.71	18.38	3.7	30
1,4-Dichlorobenzene	1	17.81	17.57	1.4	30
1,2-Dichlorobenzene	1	17.69	17.98	1.6	34
n-Propylbenzene	1	19.92	20.21	1.4	32
sec-Butylbenzene	1	17.96	18.47	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Quantitation Report (QT Reviewed)

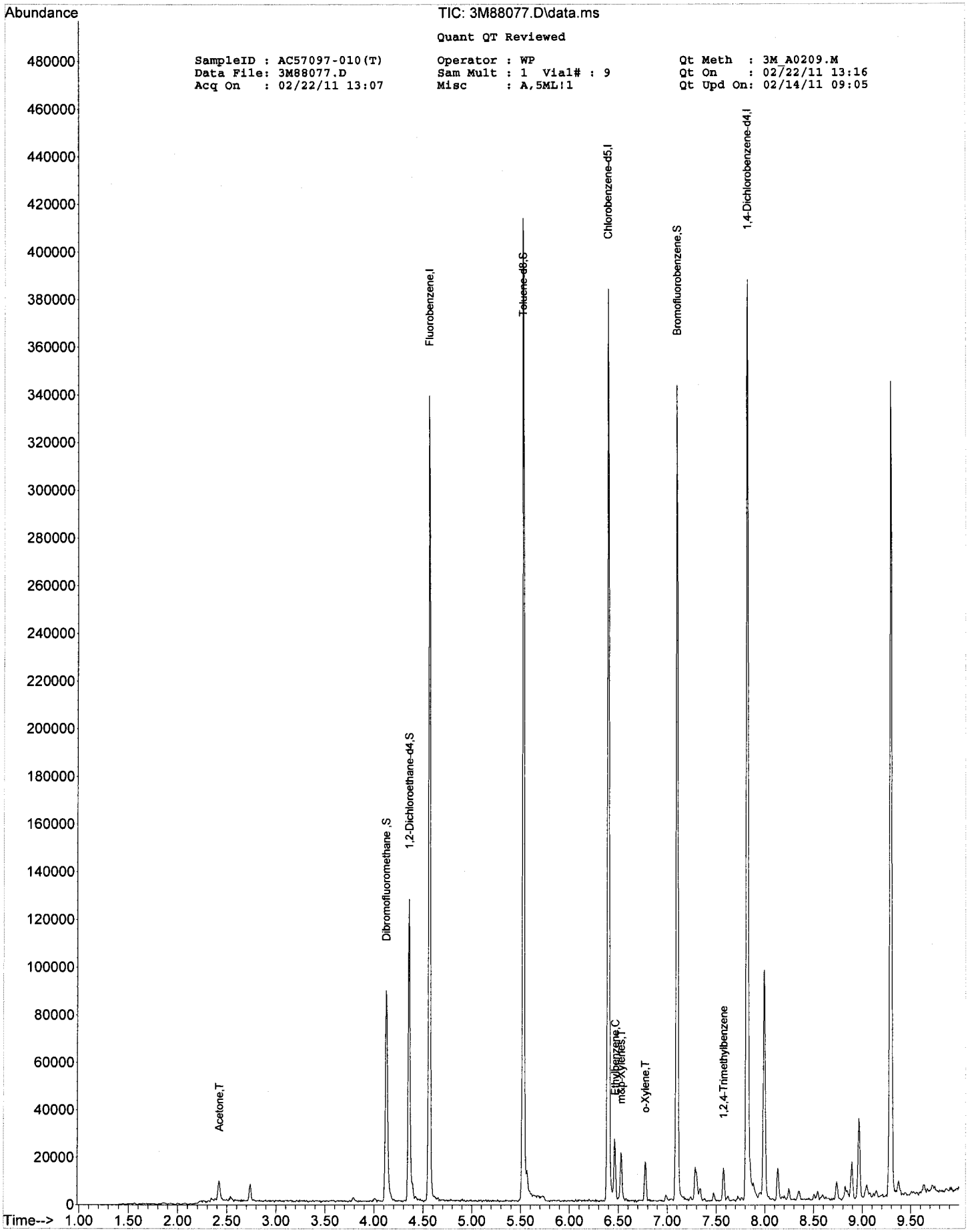
SampleID : AC57097-010(T) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88077.D Sam Mult : 1 Vial# : 9 Qt On : 02/22/11 13:16
Acq On : 02/22/11 13:07 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	162186	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	145987	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.821	152	90460	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	44379	32.46	ug/l	0.01
Spiked Amount 30.000			Recovery = 108.20%			
35) 1,2-Dichloroethane-d4	4.357	102	9932	31.88	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.27%			
59) Toluene-d8	5.523	100	111719	27.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.50%			
67) Bromofluorobenzene	7.099	174	77855	28.87	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.23%			
Target Compounds						Qvalue
17) Acetone	2.421	43	9424	16.88	ug/l	97
65) Ethylbenzene	6.468	106	2870	1.93	ug/l	98
69) m&p-Xylenes	6.528	106	4004	2.01	ug/l	96
70) o-Xylene	6.774	106	2769	1.30	ug/l	96
86) 1,2,4-Trimethylbenzene	7.574	105	6404	1.48	ug/l	80

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

16


Abundance
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Quant QT Reviewed
SampleID : AC57097-010(T)
Data File: 3M88077.D
Acq On : 02/22/11 13:07
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML;1
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:16
Qt Upd On: 02/14/11 09:05
Acetone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MS) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88102.D Sam Mult : 1 Vial# : 29 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:38 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	171651	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	160787	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.814	152	96189	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	41491	28.67	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.57%			
35) 1,2-Dichloroethane-d4	4.351	102	10007	30.35	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.17%			
59) Toluene-d8	5.523	100	123137	27.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.57%			
67) Bromofluorobenzene	7.093	174	85262	29.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.10%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.275	51	45754	17.42	ug/l	94
6) Dichlorodifluoromethane	1.258	85	17320	15.82	ug/l	93
7) Chloromethane	1.391	50	23767	16.94	ug/l	86
8) Bromomethane	1.724	94	5358	16.04	ug/l	99
9) Vinyl Chloride	1.474	62	13869	15.90	ug/l	93
10) Chloroethane	1.790	66	1752	18.71	ug/l	82
11) Trichlorofluoromethane	1.973	101	12264	18.64	ug/l	92
12) 1,1,2-Trichloro-1,2,2-...	2.348	101	11390	26.27	ug/l	93
13) Methylene Chloride	2.733	84	22591	18.89	ug/l	98
14) Acrolein	2.294	56	7471	104.87	ug/l	93
15) Acrylonitrile	2.938	53	12159	21.29	ug/l	81
16) Iodomethane	2.487	142	29961	18.67	ug/l	92
17) Acetone	2.414	43	59238	100.23	ug/l	98
18) Carbon Disulfide	2.535	76	59112	17.18	ug/l	100
19) t-Butyl Alcohol	2.835	59	7750	69.48	ug/l	87
20) n-Hexane	3.148	57	15600	20.45	ug/l	72
21) Di-isopropyl-ether	3.328	45	114478	21.19	ug/l	76
22) 1,1-Dichloroethene	2.360	61	33685	19.84	ug/l	81
23) Methyl Acetate	2.655	43	32908	18.37	ug/l	100
24) Methyl-t-butyl ether	2.950	73	46060	21.75	ug/l	91
25) 1,1-Dichloroethane	3.286	63	45805	18.48	ug/l	91
26) trans-1,2-Dichloroethene	2.944	96	17910	21.76	ug/l	79
27) cis-1,2-Dichloroethene	3.767	61	42873	18.34	ug/l	81
28) Bromochloromethane	3.954	49	32647	18.23	ug/l	86
29) 2,2-Dichloropropane	3.767	77	21242	17.63	ug/l	92
30) 1,4-Dioxane	5.006	88	15129	863.33	ug/l	64
31) 1,1-Dichloropropene	4.248	75	36232	20.17	ug/l	97
32) Chloroform	4.008	83	39687	18.17	ug/l	99
34) Cyclohexane	4.170	56	39279	22.88	ug/l	75
36) 1,2-Dichloroethane	4.399	62	43598	19.11	ug/l	99
37) 2-Butanone	3.785	43	23637	20.25	ug/l	82
38) 1,1,1-Trichloroethane	4.134	97	30598	19.26	ug/l	94
39) Carbon Tetrachloride	4.248	117	24291	18.58	ug/l	86
40) Vinyl Acetate	3.322	43	124678	19.50	ug/l	100
41) Bromodichloromethane	5.090	83	34694	16.26	ug/l	96
42) Methylcyclohexane	4.904	83	23947	22.51	ug/l	73
43) Dibromomethane	5.006	174	23837	18.71	ug/l	99
44) 1,2-Dichloropropane	4.928	63	40230	18.66	ug/l	95
45) Trichloroethene	4.784	130	26981	19.01	ug/l	94
46) Benzene	4.387	78	111657	20.50	ug/l	100
47) tert-Amyl methyl ether	4.447	73	57291	17.04	ug/l	85
49) Dibromochloromethane	6.046	129	26870	12.75	ug/l	93
51) cis-1,3-Dichloropropene	5.361	75	44793	13.87	ug/l	95
52) trans-1,3-Dichloropropene	5.686	75	35223	11.76	ug/l	96
53) 1,1,2-Trichloroethane	5.806	97	28417	16.83	ug/l	97
54) 1,2-Dibromoethane	6.125	107	33109	16.02	ug/l	97
55) 1,3-Dichloropropane	5.908	76	58398	19.95	ug/l	93
56) 4-Methyl-2-Pentanone	5.445	43	57769	14.86	ug/l	91
57) 2-Hexanone	5.932	43	42523	14.69	ug/l	87
58) Tetrachloroethene	5.896	164	24378	17.39	ug/l	92
60) Toluene	5.565	92	72662	18.81	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.455	133	27654	19.24	ug/l	91
62) Chlorobenzene	6.413	112	84081	18.38	ug/l	97
64) Bromoform	6.912	173	20913	13.97	ug/l	99
65) Ethylbenzene	6.461	106	36128	22.88	ug/l	88
66) 1,1,2,2-Tetrachloroethane	7.165	83	49892	19.65	ug/l	86
68) Styrene	6.780	104	85690	20.54	ug/l	98
69) m&p-Xylenes	6.527	106	105461	49.67	ug/l	98
70) o-Xylene	6.774	106	52098	23.07	ug/l	88

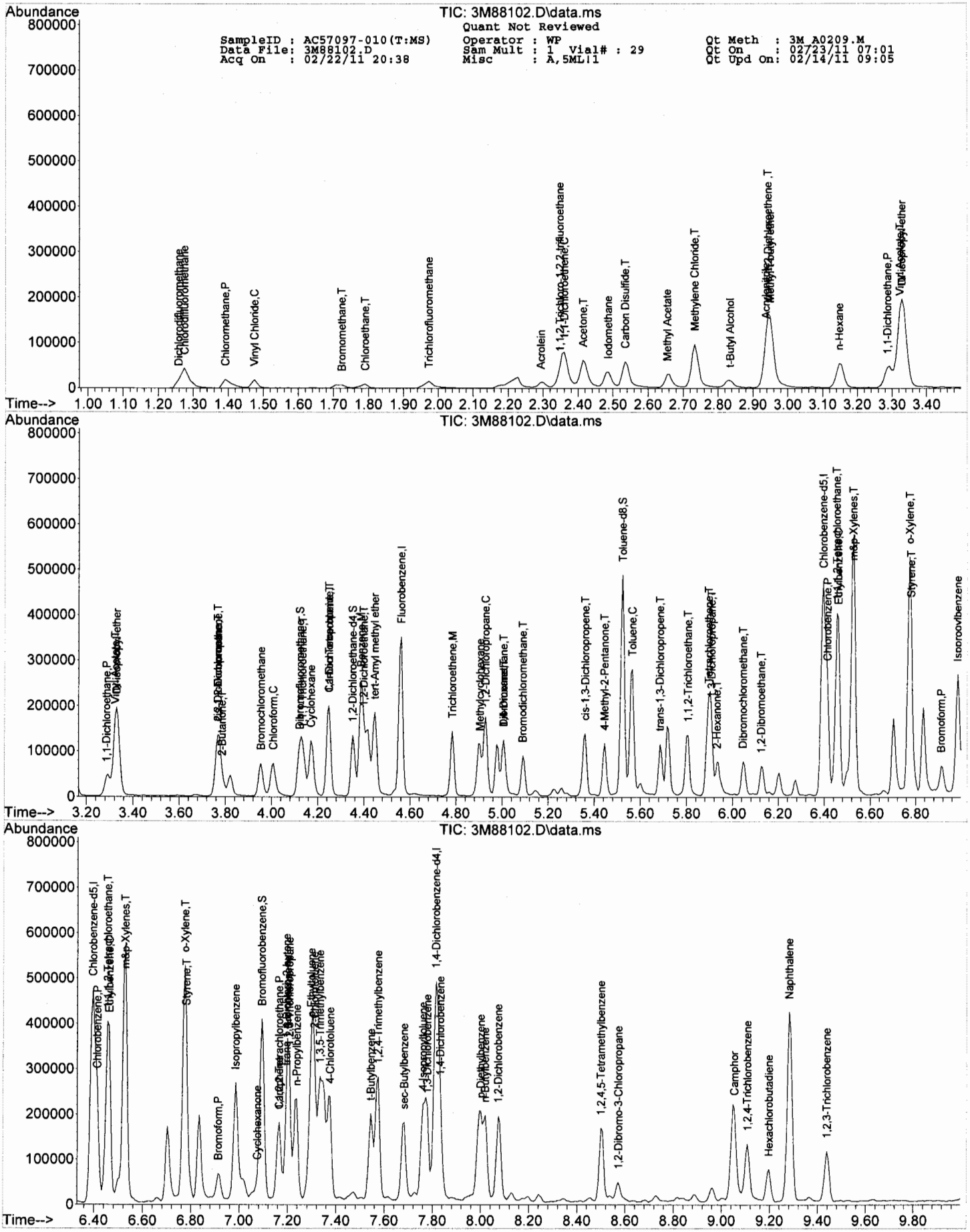
Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MS) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88102.D Sam Mult : 1 Vial# : 29 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:38 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.195	53	16286	14.93 ug/l	76
72) 1,3-Dichlorobenzene	7.778	146	63410	18.88 ug/l	97
73) 1,4-Dichlorobenzene	7.832	146	62298	17.57 ug/l	89
74) 1,2-Dichlorobenzene	8.073	146	62178	17.98 ug/l	98
75) Isopropylbenzene	6.984	105	105376	19.66 ug/l	99
76) Cyclohexanone	7.075	55	9385	54.08 ug/l	85
77) Camphene	7.165	93	11043	8.59 ug/l	93
78) 1,2,3-Trichloropropane	7.207	75	53457	16.11 ug/l	91
79) 2-Chlorotoluene	7.309	91	80930	21.01 ug/l	98
80) p-Ethyltoluene	7.297	105	130743	22.72 ug/l	97
81) 4-Chlorotoluene	7.375	91	79318	21.04 ug/l	98
82) n-Propylbenzene	7.237	91	136387	20.21 ug/l	99
83) Bromobenzene	7.201	77	93960	19.23 ug/l	86
84) 1,3,5-Trimethylbenzene	7.333	105	95685	21.61 ug/l	96
85) t-Butylbenzene	7.544	119	75858	19.98 ug/l	93
86) 1,2,4-Trimethylbenzene	7.574	105	115528	25.07 ug/l	89
87) sec-Butylbenzene	7.682	105	89272	18.47 ug/l	93
88) 4-Isopropyltoluene	7.760	119	72985	21.15 ug/l	98
89) n-Butylbenzene	8.019	91	91537	21.17 ug/l	94
90) p-Diethylbenzene	8.001	119	44697	21.70 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.500	119	77403	19.76 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.572	157	7971	10.53 ug/l	98
93) Camphor	9.053	95	45343	167.67 ug/l	92
94) Hexachlorobutadiene	9.197	225	14200	15.14 ug/l	97
95) 1,2,4-Trichlorobenzene	9.107	180	36013	17.28 ug/l	99
96) 1,2,3-Trichlorobenzene	9.438	180	33757	16.46 ug/l	99
97) Naphthalene	9.282	128	276213	45.86 ug/l	100

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


Abundance
TIC: 3M88102.D\data.ms
Quant Not Reviewed
SampleID : AC57097-010(T:MS)
Data File: 3M88102.D
Acq On : 02/22/11 20:38
Operator : WP
Sam Mult : 1 Vial# : 29
Misc : A,5ML;1
Qt Meth : 3M_A0209.M
Qt On : 02/23/11 07:01
Qt Upd On: 02/14/11 09:05
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MSD) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88103.D Sam Mult : 1 Vial# : 30 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:55 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.556	96	173313	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.390	117	161305	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.815	152	98438	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.123	111	43616	29.85	ug/l	0.01
Spiked Amount 30.000			Recovery =	99.50%		
35) 1,2-Dichloroethane-d4	4.352	102	10587	31.80	ug/l	0.00
Spiked Amount 30.000			Recovery =	106.00%		
59) Toluene-d8	5.524	100	121978	27.42	ug/l	0.00
Spiked Amount 30.000			Recovery =	91.40%		
67) Bromofluorobenzene	7.094	174	84698	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.20%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.275	51	47955	18.08	ug/l	84
6) Dichlorodifluoromethane	1.258	85	16222	14.68	ug/l	86
7) Chloromethane	1.391	50	24942	17.61	ug/l	85
8) Bromomethane	1.724	94	5693	16.88	ug/l	97
9) Vinyl Chloride	1.474	62	13904	15.78	ug/l	94
10) Chloroethane	1.790	66	1717	18.16	ug/l	76
11) Trichlorofluoromethane	1.973	101	12419	18.70	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.349	101	11153	25.48	ug/l	91
13) Methylene Chloride	2.734	84	22250	18.43	ug/l	96
14) Acrolein	2.295	56	7016	97.54	ug/l	92
15) Acrylonitrile	2.938	53	10799	18.73	ug/l	99
16) Iodomethane	2.487	142	31766	19.61	ug/l	99
17) Acetone	2.415	43	54033	90.54	ug/l	92
18) Carbon Disulfide	2.536	76	61593	17.73	ug/l	100
19) t-Butyl Alcohol	2.830	59	6922	61.46	ug/l	92
20) n-Hexane	3.149	57	15506	20.13	ug/l	72
21) Di-isopropyl-ether	3.329	45	113403	20.79	ug/l	75
22) 1,1-Dichloroethene	2.361	61	33024	19.26	ug/l	82
23) Methyl Acetate	2.656	43	30717	16.98	ug/l	100
24) Methyl-t-butyl ether	2.951	73	43371	20.28	ug/l	90
25) 1,1-Dichloroethane	3.287	63	46597	18.62	ug/l	88
26) trans-1,2-Dichloroethene	2.945	96	17776	21.39	ug/l	90
27) cis-1,2-Dichloroethene	3.768	61	43582	18.46	ug/l	85
28) Bromochloromethane	3.955	49	32877	18.18	ug/l	90
29) 2,2-Dichloropropane	3.768	77	22066	18.14	ug/l	97
30) 1,4-Dioxane	5.007	88	14034	793.17	ug/l	53
31) 1,1-Dichloropropene	4.243	75	36829	20.30	ug/l	96
32) Chloroform	4.003	83	41272	18.71	ug/l	92
34) Cyclohexane	4.171	56	38350	22.13	ug/l	76
36) 1,2-Dichloroethane	4.400	62	44969	19.52	ug/l	99
37) 2-Butanone	3.780	43	19380	16.45	ug/l	70
38) 1,1,1-Trichloroethane	4.135	97	30572	19.06	ug/l	91
39) Carbon Tetrachloride	4.249	117	25880	19.60	ug/l	96
40) Vinyl Acetate	3.323	43	122989	19.05	ug/l	100
41) Bromodichloromethane	5.091	83	36535	16.96	ug/l	94
42) Methylcyclohexane	4.899	83	23119	21.52	ug/l	74
43) Dibromomethane	5.007	174	24292	18.89	ug/l	91
44) 1,2-Dichloropropane	4.929	63	38566	17.72	ug/l	95
45) Trichloroethene	4.785	130	26911	18.78	ug/l	93
46) Benzene	4.388	78	108884	19.80	ug/l	100
47) tert-Amyl methyl ether	4.448	73	58907	17.35	ug/l	82
49) Dibromochloromethane	6.047	129	27110	12.82	ug/l	96
51) cis-1,3-Dichloropropene	5.356	75	43429	13.41	ug/l	94
52) trans-1,3-Dichloropropene	5.687	75	35986	11.98	ug/l	98
53) 1,1,2-Trichloroethane	5.801	97	27842	16.43	ug/l	93
54) 1,2-Dibromoethane	6.126	107	31175	15.03	ug/l	90
55) 1,3-Dichloropropane	5.903	76	57438	19.56	ug/l	91
56) 4-Methyl-2-Pentanone	5.446	43	53402	13.70	ug/l	90
57) 2-Hexanone	5.933	43	37380	12.88	ug/l	92
58) Tetrachloroethene	5.891	164	23844	16.96	ug/l	94
60) Toluene	5.560	92	69582	17.96	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.450	133	27401	19.00	ug/l	91
62) Chlorobenzene	6.408	112	81271	17.71	ug/l	97
64) Bromoform	6.913	173	21169	13.86	ug/l	100
65) Ethylbenzene	6.462	106	34616	21.42	ug/l	89
66) 1,1,2,2-Tetrachloroethane	7.160	83	48625	18.72	ug/l	84
68) Styrene	6.775	104	84794	19.86	ug/l	98
69) m&p-Xylenes	6.528	106	102105	46.99	ug/l	92
70) o-Xylene	6.769	106	52802	22.84	ug/l	93

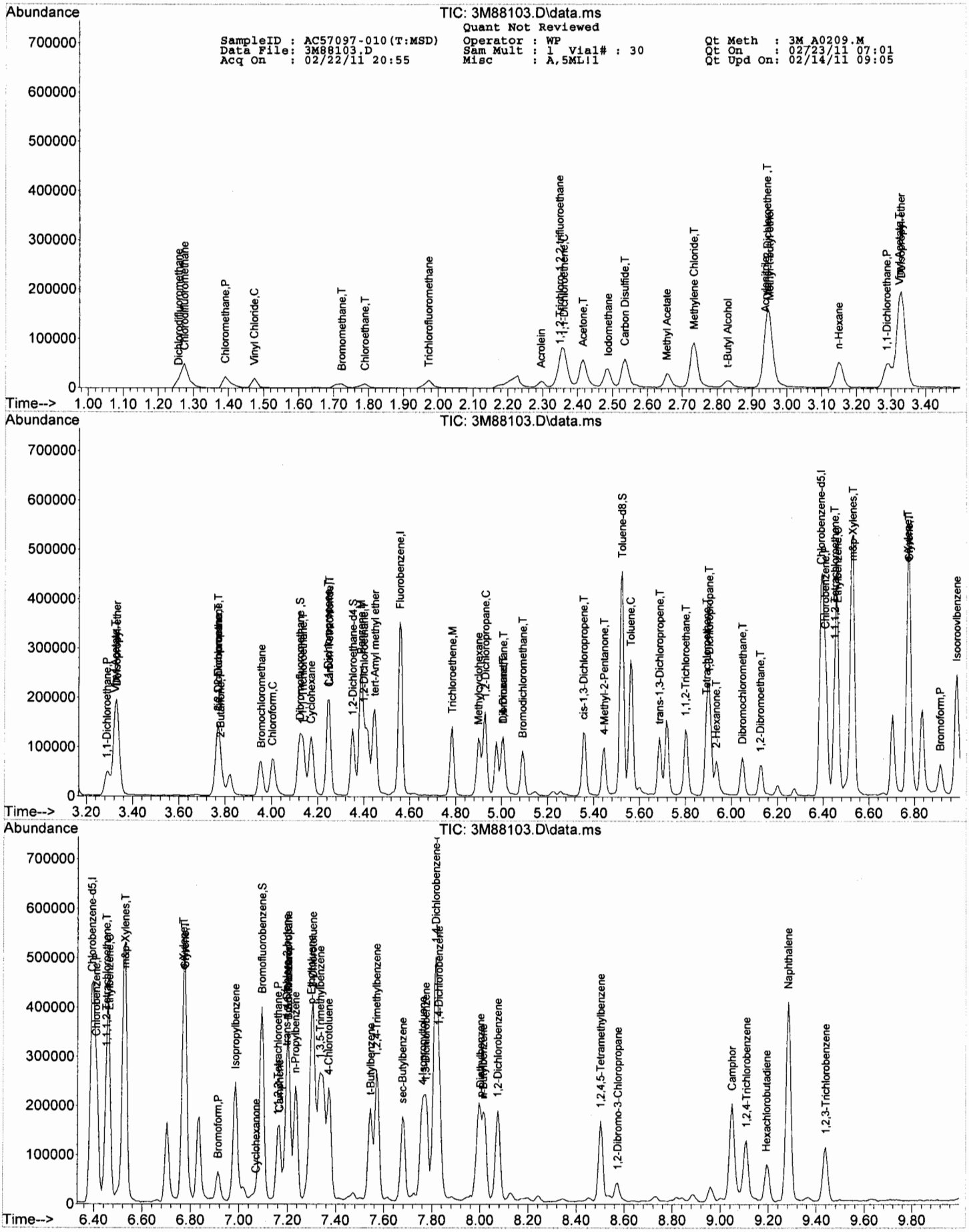
Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MSD) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88103.D Sam Mult : 1 Vial# : 30 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:55 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.196	53	15689	14.06	ug/l	78
72) 1,3-Dichlorobenzene	7.773	146	61671	17.94	ug/l	99
73) 1,4-Dichlorobenzene	7.827	146	64612	17.81	ug/l	92
74) 1,2-Dichlorobenzene	8.074	146	62619	17.69	ug/l	99
75) Isopropylbenzene	6.985	105	104253	19.00	ug/l	98
76) Cyclohexanone	7.070	55	8527	48.01	ug/l	84
77) Camphene	7.166	93	10225	7.77	ug/l	95
78) 1,2,3-Trichloropropane	7.202	75	52171	15.36	ug/l	90
79) 2-Chlorotoluene	7.304	91	74618	18.93	ug/l	97
80) p-Ethyltoluene	7.298	105	126915	21.55	ug/l	98
81) 4-Chlorotoluene	7.370	91	77114	19.98	ug/l	97
82) n-Propylbenzene	7.232	91	137565	19.92	ug/l	99
83) Bromobenzene	7.202	77	92416	18.48	ug/l	86
84) 1,3,5-Trimethylbenzene	7.334	105	90639	20.00	ug/l	95
85) t-Butylbenzene	7.545	119	75044	19.32	ug/l	94
86) 1,2,4-Trimethylbenzene	7.569	105	111429	23.63	ug/l	87
87) sec-Butylbenzene	7.677	105	88814	17.96	ug/l	95
88) 4-Isopropyltoluene	7.761	119	72133	20.42	ug/l	99
89) n-Butylbenzene	8.014	91	89546	20.24	ug/l	94
90) p-Diethylbenzene	8.002	119	42000	19.93	ug/l	97
91) 1,2,4,5-Tetramethylben...	8.501	119	73906	18.43	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.573	157	7557	9.76	ug/l	94
93) Camphor	9.048	95	41475	149.86	ug/l	89
94) Hexachlorobutadiene	9.192	225	14593	15.21	ug/l	97
95) 1,2,4-Trichlorobenzene	9.108	180	36117	16.94	ug/l	98
96) 1,2,3-Trichlorobenzene	9.439	180	33616	16.01	ug/l	98
97) Naphthalene	9.283	128	268053	43.48	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : AC57097-010(T:MSD)
Data File: 3M88103.D
Acq On : 02/22/11 20:55
Operator : WP
Sam Mult : 1 Vial# : 30
Misc : A,5ML!1
Qt Meth : 3M_A0209.M
Qt On : 02/23/11 07:01
Qt Upd On: 02/14/11 09:05
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
1,1-Dichloroethene,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Bromoform,P
Isooroovlbenzene
Bromofluorobenzene,S
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Form3
Recovery Data
QC Batch: MBS6133

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88293.D	MBS6133	2/25/2011 9:25:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.31	0	20	62	21	137
1,1-Dichloroethene	1	23.38	0	20	117	21	133
1,1-Dichloroethane	1	21.35	0	20	107	44	134
Chloroform	1	21.04	0	20	105	40	148
1,2-Dichloroethane	1	22.85	0	20	114	43	144
2-Butanone	1	19.44	0	20	97	25	157
Carbon Tetrachloride	1	19.12	0	20	96	42	146
Trichloroethene	1	21.27	0	20	106	46	127
Benzene	1	22.44	0	20	112	49	135
Tetrachloroethene	1	19.63	0	20	98	42	138
Toluene	1	21.1	0	20	106	53	129
Chlorobenzene	1	21.11	0	20	106	51	129
1,4-Dichlorobenzene	1	19.96	0	20	100	45	128
1,2-Dichlorobenzene	1	20.27	0	20	101	50	126
n-Propylbenzene	1	18.32	0	20	92	45	135
sec-Butylbenzene	1	16.27	0	20	81	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M88293.D
Acq On : 02/25/11 09:25

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 3M_A0209.M
Qt On : 02/25/11 09:35
Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.585	96	178744	30.00	ug/l	0.04
48) Chlorobenzene-d5	6.419	117	158406	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.844	152	105581	30.00	ug/l	0.04
System Monitoring Compounds						
33) Dibromofluoromethane	4.146	111	45808	30.40	ug/l	0.04
Spiked Amount 30.000			Recovery = 101.33%			
35) 1,2-Dichloroethane-d4	4.381	102	10568	30.78	ug/l	0.04
Spiked Amount 30.000			Recovery = 102.60%			
59) Toluene-d8	5.547	100	129996	29.75	ug/l	0.03
Spiked Amount 30.000			Recovery = 99.17%			
67) Bromofluorobenzene	7.123	174	86538	27.49	ug/l	0.04
Spiked Amount 30.000			Recovery = 91.63%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	1.277	85	15716	13.79	ug/l	91
7) Chloromethane	1.411	50	19784	13.54	ug/l	85
8) Bromomethane	1.726	94	6559	18.85	ug/l	98
9) Vinyl Chloride	1.494	62	11179	12.31	ug/l	98
10) Chloroethane	1.810	66	1974	20.24	ug/l	56
11) Trichlorofluoromethane	1.992	101	12094	17.65	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.378	101	11563	25.61	ug/l	89
13) Methylene Chloride	2.763	84	28493	22.88	ug/l	90
14) Acrolein	2.324	56	8867	119.53	ug/l	95
15) Acrylonitrile	2.967	53	14872	25.01	ug/l	81
16) Iodomethane	2.510	142	36696	21.96	ug/l	96
17) Acetone	2.438	43	67399	109.51	ug/l	96
18) Carbon Disulfide	2.559	76	68679	19.17	ug/l	100
19) t-Butyl Alcohol	2.859	59	9627	82.89	ug/l	69
20) n-Hexane	3.178	57	12611	15.88	ug/l	80
21) Di-isopropyl-ether	3.358	45	133647	23.75	ug/l	77
22) 1,1-Dichloroethene	2.384	61	41337	23.38	ug/l	88
23) Methyl Acetate	2.685	43	39342	21.09	ug/l	100
24) Methyl-t-butyl ether	2.980	73	50352	22.83	ug/l	87
25) 1,1-Dichloroethane	3.322	63	55100	21.35	ug/l	100
26) trans-1,2-Dichloroethene	2.974	96	21691	25.31	ug/l	94
27) cis-1,2-Dichloroethene	3.797	61	51211	21.04	ug/l	85
28) Bromochloromethane	3.978	49	40131	21.52	ug/l	87
29) 2,2-Dichloropropane	3.797	77	25295	20.16	ug/l	94
30) 1,4-Dioxane	5.036	88	20137	1103.52	ug/l	66
31) 1,1-Dichloropropene	4.272	75	39660	21.20	ug/l	96
32) Chloroform	4.032	83	47866	21.04	ug/l	100
34) Cyclohexane	4.200	56	30882	17.28	ug/l	79
36) 1,2-Dichloroethane	4.429	62	54274	22.85	ug/l	97
37) 2-Butanone	3.815	43	23625	19.44	ug/l	77
38) 1,1,1-Trichloroethane	4.164	97	32839	19.85	ug/l	99
39) Carbon Tetrachloride	4.272	117	26039	19.12	ug/l	88
40) Vinyl Acetate	3.352	43	152280	22.87	ug/l	100
41) Bromodichloromethane	5.120	83	44613	20.08	ug/l	91
42) Methylcyclohexane	4.928	83	18716	16.89	ug/l	86
43) Dibromomethane	5.030	174	31995	24.12	ug/l	94
44) 1,2-Dichloropropane	4.952	63	47066	20.97	ug/l	100
45) Trichloroethene	4.808	130	31428	21.27	ug/l	94
46) Benzene	4.411	78	127261	22.44	ug/l	100
47) tert-Amyl methyl ether	4.471	73	63166	18.04	ug/l	89
49) Dibromochloromethane	6.076	129	36104	17.39	ug/l	99
50) 2-Chloroethylvinylether	5.289	63	27742	16.90	ug/l	83
51) cis-1,3-Dichloropropene	5.385	75	54569	17.16	ug/l	93
52) trans-1,3-Dichloropropene	5.716	75	44938	15.23	ug/l	97
53) 1,1,2-Trichloroethane	5.830	97	36294	21.81	ug/l	94
54) 1,2-Dibromoethane	6.155	107	39549	19.42	ug/l	92
55) 1,3-Dichloropropane	5.932	76	69403	24.06	ug/l	94
56) 4-Methyl-2-Pentanone	5.469	43	58595	15.30	ug/l	97
57) 2-Hexanone	5.962	43	41635	14.60	ug/l	83
58) Tetrachloroethene	5.920	164	27114	19.63	ug/l	95
60) Toluene	5.589	92	80271	21.10	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.479	133	31257	22.07	ug/l	88
62) Chlorobenzene	6.437	112	95141	21.11	ug/l	99
64) Bromoform	6.942	173	28431	16.41	ug/l	97
65) Ethylbenzene	6.491	106	32848	18.95	ug/l	89
66) 1,1,2,2-Tetrachloroethane	7.195	83	56538	20.29	ug/l	82
68) Styrene	6.804	104	97087	21.21	ug/l	96
69) m&p-Xylenes	6.557	106	99243	42.58	ug/l	98
70) o-Xylene	6.798	106	53802	21.70	ug/l	87

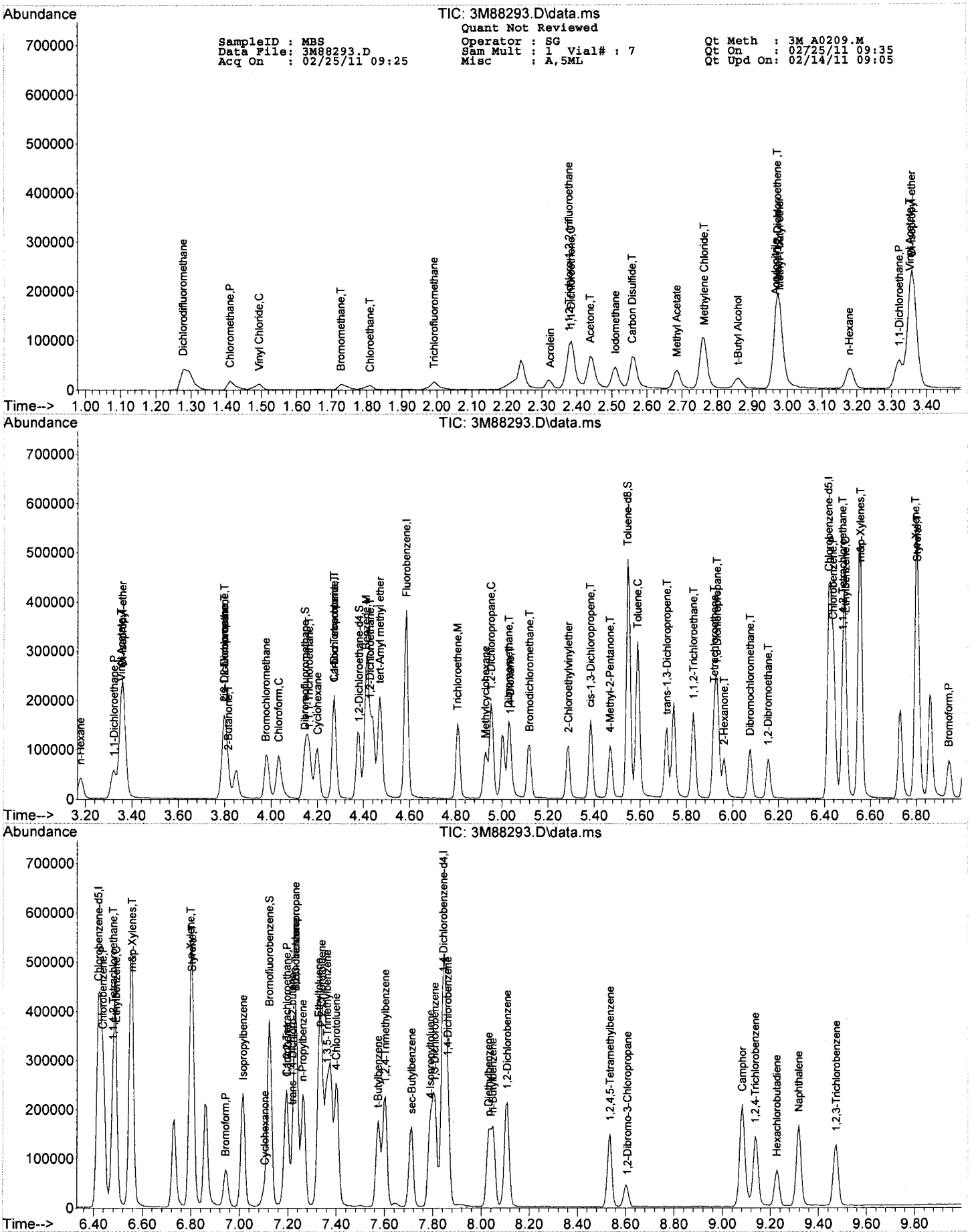
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88293.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 09:35
Acq On : 02/25/11 09:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.219	53	22999	19.21 ug/l	58
72) 1,3-Dichlorobenzene	7.808	146	74281	20.15 ug/l	99
73) 1,4-Dichlorobenzene	7.862	146	77674	19.96 ug/l	94
74) 1,2-Dichlorobenzene	8.109	146	76945	20.27 ug/l	98
75) Isopropylbenzene	7.014	105	106316	18.07 ug/l	99
76) Cyclohexanone	7.105	55	12363	64.90 ug/l	93
77) Camphene	7.195	93	21058	14.92 ug/l	98
78) 1,2,3-Trichloropropane	7.231	75	65278	17.92 ug/l	90
79) 2-Chlorotoluene	7.339	91	86360	20.42 ug/l	95
80) p-Ethyltoluene	7.327	105	123457	19.55 ug/l	99
81) 4-Chlorotoluene	7.399	91	85552	20.67 ug/l	97
82) n-Propylbenzene	7.261	91	135687	18.32 ug/l	100
83) Bromobenzene	7.231	77	108895	20.30 ug/l	87
84) 1,3,5-Trimethylbenzene	7.363	105	91151	18.76 ug/l	95
85) t-Butylbenzene	7.574	119	70525	16.93 ug/l	97
86) 1,2,4-Trimethylbenzene	7.604	105	98935	19.56 ug/l	88
87) sec-Butylbenzene	7.712	105	86279	16.27 ug/l	95
88) 4-Isopropyltoluene	7.790	119	69816	18.43 ug/l	99
89) n-Butylbenzene	8.049	91	80195	16.90 ug/l	98
90) p-Diethylbenzene	8.031	119	37014	16.37 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.536	119	64693	15.04 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	8.608	157	10492	12.63 ug/l	97
93) Camphor	9.083	95	45634	153.73 ug/l	92
94) Hexachlorobutadiene	9.227	225	14181	13.78 ug/l	98
95) 1,2,4-Trichlorobenzene	9.137	180	42678	18.66 ug/l	99
96) 1,2,3-Trichlorobenzene	9.474	180	39965	17.75 ug/l	98
97) Naphthalene	9.318	128	110165	16.66 ug/l	100

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


Abundance
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Quant Not Reviewed
SampleID : MBS
Data File: 3M88293.D
Acq On : 02/25/11 09:25
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 09:35
Qt Upd On: 02/14/11 09:05
Time-->

Form3
Recovery Data
QC Batch: MBS6293

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63647.D	MBS6293	3/2/2011 3:44:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.42	0	20	72	21	137
1,1-Dichloroethene	1	16.12	0	20	81	21	133
1,1-Dichloroethane	1	18.19	0	20	91	44	134
Chloroform	1	18.09	0	20	90	40	148
1,2-Dichloroethane	1	17.42	0	20	87	43	144
2-Butanone	1	22.35	0	20	112	25	157
Carbon Tetrachloride	1	20.08	0	20	100	42	146
Trichloroethene	1	17.41	0	20	87	46	127
Benzene	1	18.42	0	20	92	49	135
Tetrachloroethene	1	17.53	0	20	88	42	138
Toluene	1	17.98	0	20	90	53	129
Chlorobenzene	1	16.93	0	20	85	51	129
1,4-Dichlorobenzene	1	17.89	0	20	89	45	128
1,2-Dichlorobenzene	1	17.77	0	20	89	50	126
n-Propylbenzene	1	20.39	0	20	102	45	135
sec-Butylbenzene	1	21.42	0	20	107	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 2M63647.D
Acq On : 03/ 2/11 15:44

Operator : wp
Sam Mult : 1 Vial# : 30
Misc : A,5mL

Qt Meth : 2M_A0225.M
Qt On : 03/02/11 15:58
Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.289	96	264188	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.094	117	225224	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.490	152	125241	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	3.826	111	66586	30.40	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.33%			
38) 1,2-Dichloroethane-d4	4.073	67	42997	30.99	ug/l	-0.02
Spiked Amount 30.000			Recovery = 103.30%			
65) Toluene-d8	5.240	98	286281	28.75	ug/l	-0.02
Spiked Amount 30.000			Recovery = 95.83%			
75) Bromofluorobenzene	6.786	174	112667	28.81	ug/l	-0.02
Spiked Amount 30.000			Recovery = 96.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.195	51	104430	19.98	ug/l	57
6) Dichlorodifluoromethane	1.178	85	29079	9.74	ug/l	92
7) Chloromethane	1.295	50	47810	14.59	ug/l	79
8) Bromomethane	1.578	94	21503	13.90	ug/l	89
9) Vinyl Chloride	1.361	62	36551	14.42	ug/l	98
10) Chloroethane	1.627	64	23232	12.45	ug/l	94
11) Trichlorofluoromethane	1.794	101	48303	18.51	ug/l	86
12) Ethyl ether	1.987	59	53217	17.53	ug/l	91
13) Furan	2.017	39	140253	16.39	ug/l	98
14) 1,1,2-Trichloro-1,2,2-...	2.135	101	36700	23.67	ug/l	95
15) Methylene Chloride	2.480	84	59361	18.41	ug/l	87
16) Acrolein	2.076	56	46077	116.29	ug/l	94
17) Acrylonitrile	2.658	53	22186	19.04	ug/l	99
18) Iodomethane	2.254	142	82963	12.41	ug/l	91
19) Acetone	2.185	43	83316	102.50	ug/l	89
20) Carbon Disulfide	2.303	76	163059	18.30	ug/l	100
21) t-Butyl Alcohol	2.549	59	24015	96.29	ug/l	91
22) n-Hexane	2.865	57	58870	29.40	ug/l	69
23) Di-isopropyl-ether	3.023	45	222916	19.33	ug/l	86
24) 1,1-Dichloroethene	2.145	61	74872	16.12	ug/l	95
25) Methyl Acetate	2.402	43	50574	18.13	ug/l	100
26) Methyl-t-butyl ether	2.668	73	125102	19.01	ug/l	68
27) 1,1-Dichloroethane	2.983	63	107335	18.19	ug/l	97
28) trans-1,2-Dichloroethene	2.678	96	49269	17.51	ug/l	85
29) cis-1,2-Dichloroethene	3.447	61	89353	18.94	ug/l	90
30) Bromochloromethane	3.640	49	54486	17.43	ug/l	68
31) 2,2-Dichloropropane	3.441	77	69943	26.86	ug/l	95
32) Ethyl acetate	3.495	43	53716	15.71	ug/l	96
33) 1,4-Dioxane	4.735	88	30454	935.43	ug/l	75
34) 1,1-Dichloropropene	3.965	75	75511	19.68	ug/l	90
35) Chloroform	3.700	83	83911	18.09	ug/l	98
37) Cyclohexane	3.880	56	79823	22.70	ug/l	88
39) 1,2-Dichloroethane	4.121	62	74311	17.42	ug/l	94
40) 2-Butanone	3.453	43	30797	22.35	ug/l	74
41) 1,1,1-Trichloroethane	3.844	97	65706	18.71	ug/l	89
42) Carbon Tetrachloride	3.965	117	54231	20.08	ug/l	97
43) Vinyl Acetate	3.023	43	239487	20.09	ug/l	100
44) Bromodichloromethane	4.813	83	70975	16.54	ug/l	99
45) Methylcyclohexane	4.632	83	71784	25.54	ug/l	93
46) Dibromomethane	4.729	174	45603	17.03	ug/l	93
47) 1,2-Dichloropropane	4.656	63	73179	19.50	ug/l	91
48) Trichloroethene	4.518	130	55760	17.41	ug/l	93
49) Benzene	4.109	78	219765	18.42	ug/l	100
50) tert-Amyl methyl ether	4.175	73	144650	19.24	ug/l	75
52) Iso-propylacetate	4.145	43	121629	16.65	ug/l	72
53) Methyl methacrylate	4.711	41	64567	17.75	ug/l	94
54) Dibromochloromethane	5.757	129	61163	16.39	ug/l	96
55) 2-Chloroethylvinylether	4.987	63	43868	18.29	ug/l	86
56) cis-1,3-Dichloropropene	5.077	75	100510	17.93	ug/l	90
57) trans-1,3-Dichloropropene	5.402	75	87572	17.48	ug/l	100
58) Ethyl methacrylate	5.438	41	69767	17.28	ug/l	80
59) 1,1,2-Trichloroethane	5.517	97	56062	17.94	ug/l	85
60) 1,2-Dibromoethane	5.829	107	60060	17.08	ug/l	87
61) 1,3-Dichloropropane	5.613	76	107281	18.81	ug/l	94
62) 4-Methyl-2-Pentanone	5.162	43	74843	17.29	ug/l	74
63) 2-Hexanone	5.649	43	53764	17.05	ug/l	85
64) Tetrachloroethene	5.601	164	51727	17.53	ug/l	93
66) Toluene	5.282	92	150954	17.98	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.154	133	54094	17.78	ug/l	77

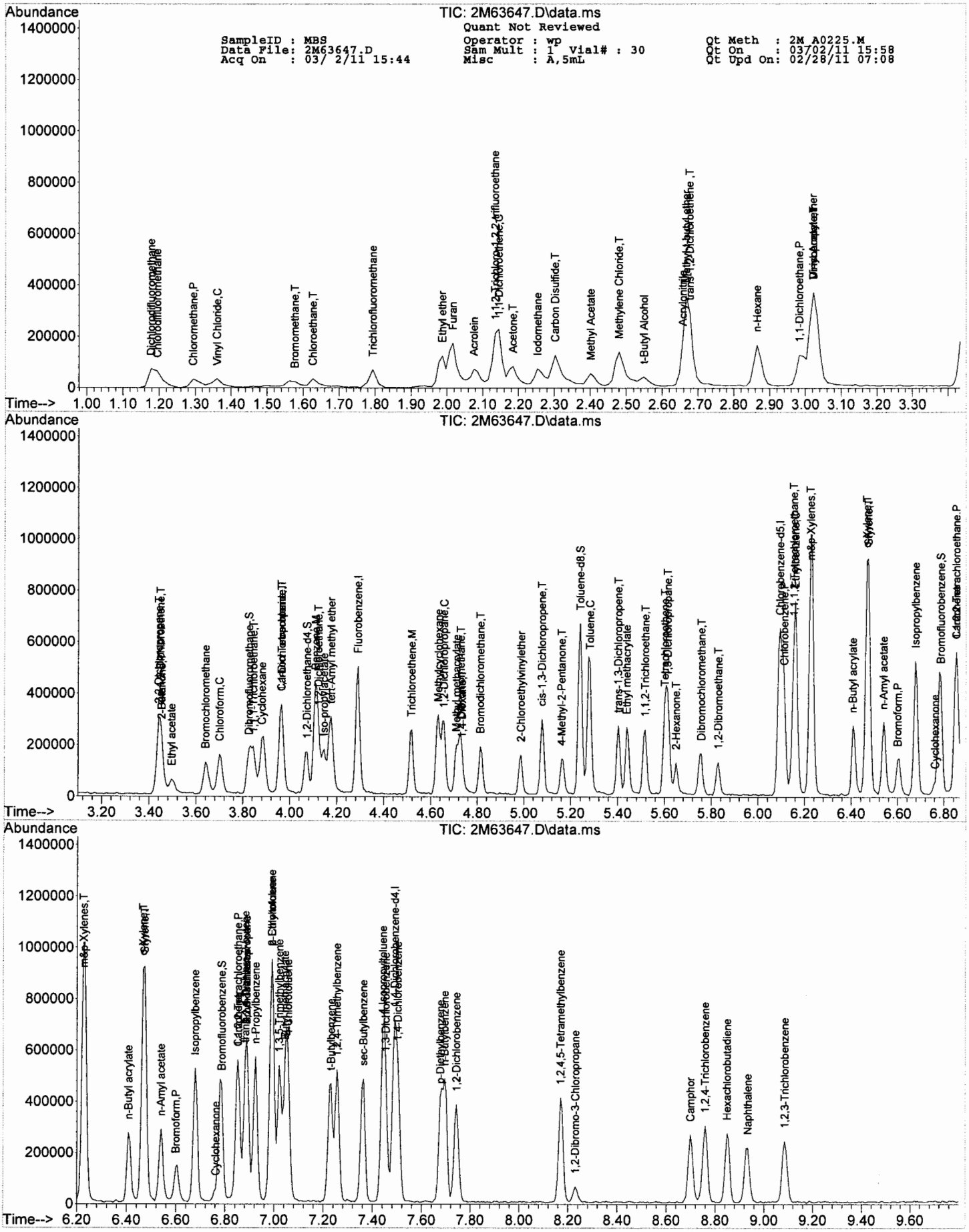
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63647.D Sam Mult : 1 Vial# : 30 Qt On : 03/02/11 15:58
Acq On : 03/ 2/11 15:44 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.112	112	161505	16.93 ug/l	93
70)	n-Butyl acrylate	6.407	55	129439	16.42 ug/l	97
71)	n-Amyl acetate	6.539	43	131441	16.37 ug/l	92
72)	Bromoform	6.599	173	46311	15.61 ug/l	95
73)	Ethylbenzene	6.160	106	68690	22.67 ug/l	85
74)	1,1,2,2-Tetrachloroethane	6.852	83	74878	18.02 ug/l	92
76)	Styrene	6.473	104	179811	19.39 ug/l	87
77)	m&p-Xylenes	6.226	106	206698	40.18 ug/l	84
78)	o-Xylene	6.467	106	106404	20.32 ug/l	66
79)	trans-1,4-Dichloro-2-b...	6.882	53	24282	28.17 ug/l	43
80)	1,3-Dichlorobenzene	7.454	146	131942	18.35 ug/l	85
81)	1,4-Dichlorobenzene	7.502	146	131738	17.89 ug/l	92
82)	1,2-Dichlorobenzene	7.742	146	123743	17.77 ug/l	88
83)	Isopropylbenzene	6.678	105	243258	19.79 ug/l	94
84)	Cyclohexanone	6.762	55	13688	88.73 ug/l	93
85)	Camphene	6.852	93	75602	23.77 ug/l	92
86)	1,2,3-Trichloropropane	6.888	75	92896	18.80 ug/l	84
87)	2-Chlorotoluene	6.990	91	157548	17.95 ug/l	95
88)	p-Ethyltoluene	6.990	105	268708	19.62 ug/l	80
89)	4-Chlorotoluene	7.057	91	152472	19.28 ug/l	88
90)	n-Propylbenzene	6.924	91	311763	20.39 ug/l	96
91)	Bromobenzene	6.888	77	156802	24.95 ug/l	88
92)	1,3,5-Trimethylbenzene	7.020	105	195438	18.79 ug/l	81
93)	Butyl methacrylate	7.045	41	102028	16.15 ug/l	54
94)	t-Butylbenzene	7.231	119	190896	19.67 ug/l	77
95)	1,2,4-Trimethylbenzene	7.255	105	217464	20.32 ug/l	85
96)	sec-Butylbenzene	7.363	105	255366	21.42 ug/l	99
97)	4-Isopropyltoluene	7.442	119	197684	20.74 ug/l	88
98)	n-Butylbenzene	7.694	91	221221	21.57 ug/l	93
99)	p-Diethylbenzene	7.676	119	106375	19.39 ug/l	87
100)	1,2,4,5-Tetramethylben...	8.169	119	171487	18.85 ug/l	84
101)	1,2-Dibromo-3-Chloropr...	8.230	157	13591	14.14 ug/l	64
102)	Camphor	8.699	95	50038	157.62 ug/l	94
103)	Hexachlorobutadiene	8.849	225	53735	17.82 ug/l	96
104)	1,2,4-Trichlorobenzene	8.759	180	81966	17.05 ug/l	92
105)	1,2,3-Trichlorobenzene	9.084	180	71487	16.29 ug/l	92
106)	Naphthalene	8.933	128	144797	15.64 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : MBS
Data File: 2M63647.D
Acq On : 03/ 2/11 15:44
Operator : wp
Sam Mult : 1 Vial# : 30
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/02/11 15:58
Qt Upd On: 02/28/11 07:08
Time-->

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65643.D	MBS6063	2/18/2011 5:33:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.39	0	20	82	21	137
1,1-Dichloroethene	1	11.71	0	20	59	21	133
1,1-Dichloroethane	1	15.32	0	20	77	44	134
Chloroform	1	16.23	0	20	81	40	148
1,2-Dichloroethane	1	16.54	0	20	83	43	144
2-Butanone	1	12.67	0	20	63	25	157
Carbon Tetrachloride	1	17.68	0	20	88	42	146
Trichloroethene	1	16.61	0	20	83	46	127
Benzene	1	16.5	0	20	82	49	135
Tetrachloroethene	1	17.45	0	20	87	42	138
Toluene	1	15.67	0	20	78	53	129
Chlorobenzene	1	15.89	0	20	79	51	129
1,4-Dichlorobenzene	1	15.78	0	20	79	45	128
1,2-Dichlorobenzene	1	15.54	0	20	78	50	126
n-Propylbenzene	1	16.68	0	20	83	45	135
sec-Butylbenzene	1	15.52	0	20	78	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65643.D
Acq On : 02/18/11 17:33

Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/18/11 17:51
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.640	96	144799	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.191	117	90972	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.429	152	41672	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.249	111	40824	30.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.10%			
38) 1,2-Dichloroethane-d4	4.454	67	27695	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
65) Toluene-d8	5.458	98	131814	29.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.60%			
75) Bromofluorobenzene	6.798	174	36133	31.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.53%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.471	51	68891	22.96	ug/l	68
6) Dichlorodifluoromethane	1.454	85	24473	14.02	ug/l	87
7) Chloromethane	1.615	50	29796	16.58	ug/l	75
8) Bromomethane	1.943	94	10426	10.71	ug/l	84
9) Vinyl Chloride	1.684	62	21785	16.39	ug/l	95
10) Chloroethane	2.018	64	12975	15.52	ug/l	92
11) Trichlorofluoromethane	2.225	101	28423	26.56	ug/l	87
12) Ethyl ether	2.440	59	15815	12.45	ug/l	94
13) Furan	2.458	39	60279	13.11	ug/l	72
14) 1,1,2-Trichloro-1,2,2-...	2.620	101	11039	12.68	ug/l	92
15) Methylene Chloride	2.963	84	22501	13.44	ug/l	74
16) Acrolein	2.512	56	15233	60.55	ug/l	99
17) Acrylonitrile	3.137	53	9018	13.59	ug/l	99
18) Iodomethane	2.735	142	17614	8.14	ug/l	77
19) Acetone	2.632	43	42161	60.28	ug/l	100
20) Carbon Disulfide	2.795	76	68025	23.21	ug/l	100
21) t-Butyl Alcohol	3.035	59	7047	60.09	ug/l	93
22) n-Hexane	3.414	57	19537	13.90	ug/l	96
23) Di-isopropyl-ether	3.570	45	102154	15.42	ug/l	96
24) 1,1-Dichloroethene	2.614	61	29832	11.71	ug/l	92
25) Methyl Acetate	2.885	43	24251	12.48	ug/l	100
26) Methyl-t-butyl ether	3.191	73	46791	14.97	ug/l	80
27) 1,1-Dichloroethane	3.516	63	46760	15.32	ug/l	95
28) trans-1,2-Dichloroethene	3.191	96	20796	16.16	ug/l	91
29) cis-1,2-Dichloroethene	3.949	61	45038	15.12	ug/l	98
30) Bromochloromethane	4.105	49	31082	17.48	ug/l	62
31) 2,2-Dichloropropane	3.961	77	24187	14.29	ug/l	94
32) Ethyl acetate	3.985	43	32380	13.88	ug/l	86
33) 1,4-Dioxane	5.007	88	9023	749.12	ug/l	62
34) 1,1-Dichloropropene	4.376	75	30965	16.59	ug/l	97
35) Chloroform	4.153	83	40817	16.23	ug/l	83
37) Cyclohexane	4.327	56	32192	15.23	ug/l	77
39) 1,2-Dichloroethane	4.496	62	37020	16.54	ug/l	92
40) 2-Butanone	3.943	43	10564	12.67	ug/l	86
41) 1,1,1-Trichloroethane	4.285	97	28667	16.93	ug/l	96
42) Carbon Tetrachloride	4.388	117	22143	17.68	ug/l	97
43) Vinyl Acetate	3.540	43	43348m	10.14	ug/l	
44) Bromodichloromethane	5.085	83	29304	16.03	ug/l	90
45) Methylcyclohexane	4.953	83	19383	15.02	ug/l	81
46) Dibromomethane	5.013	174	12297	18.95	ug/l	90
47) 1,2-Dichloropropane	4.947	63	23918	15.22	ug/l	93
48) Trichloroethene	4.832	130	18742	16.61	ug/l	89
49) Benzene	4.496	78	86746	16.50	ug/l	100
50) tert-Amyl methyl ether	4.550	73	48775	15.06	ug/l	79
52) Iso-propylacetate	4.508	43	48313	13.44	ug/l	85
53) Methyl methacrylate	4.983	41	28754	12.57	ug/l	83
54) Dibromochloromethane	5.890	129	18091	15.32	ug/l	99
55) 2-Chloroethylvinylether	5.223	63	12775	11.22	ug/l	77
56) cis-1,3-Dichloropropene	5.307	75	29742	12.83	ug/l	90
57) trans-1,3-Dichloropropene	5.578	75	24091	11.92	ug/l	97
58) Ethyl methacrylate	5.608	41	29043	12.21	ug/l	96
59) 1,1,2-Trichloroethane	5.680	97	16848	14.88	ug/l	94
60) 1,2-Dibromoethane	5.957	107	16248	14.44	ug/l	88
61) 1,3-Dichloropropane	5.764	76	31889	15.50	ug/l	97
62) 4-Methyl-2-Pentanone	5.373	43	29480	11.87	ug/l	91
63) 2-Hexanone	5.788	43	21262	13.39	ug/l	90
64) Tetrachloroethene	5.776	164	14033	17.45	ug/l	96
66) Toluene	5.488	92	47656	15.67	ug/l	88
67) 1,1,1,2-Tetrachloroethane	6.239	133	15701	17.33	ug/l	60

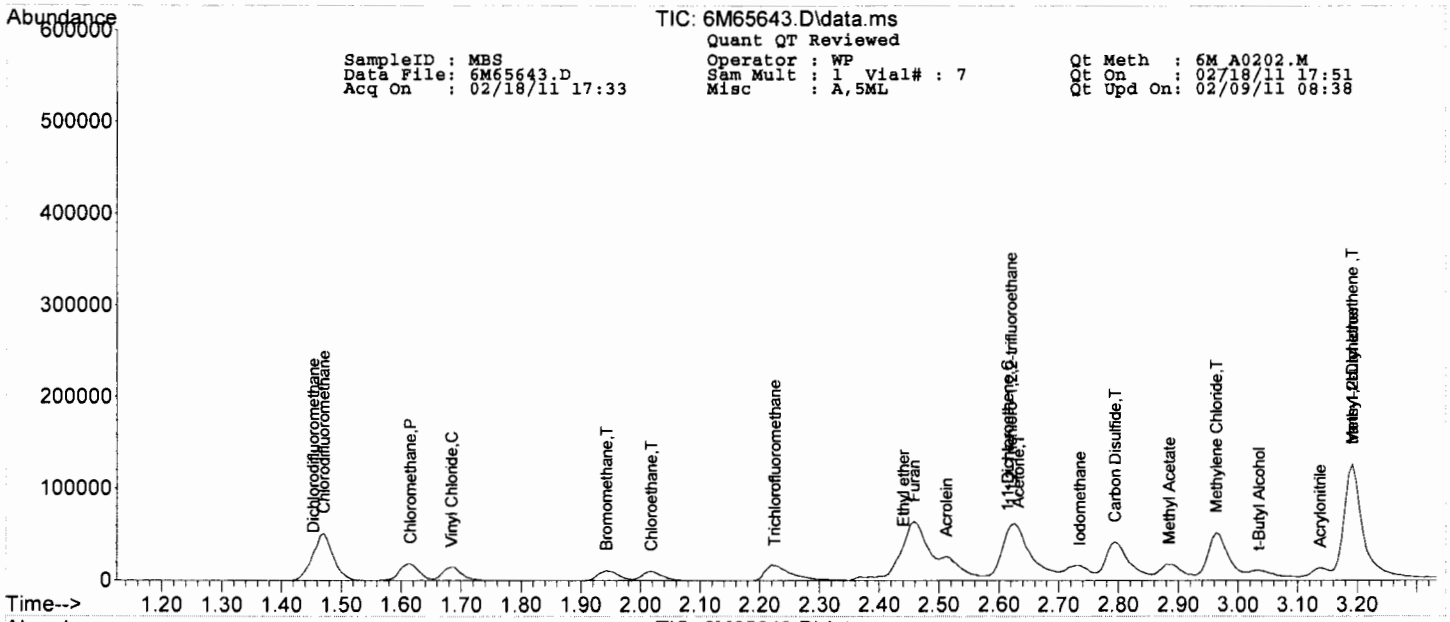
Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65643.D
Acq On : 02/18/11 17:33
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/18/11 17:51
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.209	112	48664	15.89 ug/l	98
70) n-Butyl acrylate	6.455	55	38080	10.92 ug/l	92
71) n-Amyl acetate	6.570	43	46922	12.31 ug/l	93
72) Bromoform	6.636	173	11593	15.34 ug/l	95
73) Ethylbenzene	6.251	106	22800	15.81 ug/l	94
74) 1,1,2,2-Tetrachloroethane	6.846	83	23770	14.63 ug/l	91
76) Styrene	6.522	104	51154	17.52 ug/l	93
77) m&p-Xylenes	6.311	106	59706	36.26 ug/l	98
78) o-Xylene	6.522	106	28849	18.12 ug/l	86
79) trans-1,4-Dichloro-2-b...	6.870	53	11677	15.60 ug/l	72
80) 1,3-Dichlorobenzene	7.393	146	32288	17.24 ug/l	92
81) 1,4-Dichlorobenzene	7.441	146	33088	15.78 ug/l	95
82) 1,2-Dichlorobenzene	7.652	146	29978	15.54 ug/l	94
83) Isopropylbenzene	6.708	105	62789	15.38 ug/l	98
84) Cyclohexanone	6.762	55	3335	54.56 ug/l	89
85) Camphene	6.876	93	18854	15.79 ug/l	91
86) 1,2,3-Trichloropropane	6.882	75	28262	15.44 ug/l	82
87) 2-Chlorotoluene	6.984	91	63936	16.81 ug/l	93
88) p-Ethyltoluene	6.984	105	71119	15.13 ug/l	78
89) 4-Chlorotoluene	7.039	91	56968	15.37 ug/l	93
90) n-Propylbenzene	6.924	91	90291	16.68 ug/l	95
91) Bromobenzene	6.888	77	54110	16.50 ug/l	87
92) 1,3,5-Trimethylbenzene	7.014	105	59345	18.86 ug/l	96
93) Butyl methacrylate	7.021	41	45200	15.30 ug/l	97
94) t-Butylbenzene	7.201	119	44835	15.61 ug/l	88
95) 1,2,4-Trimethylbenzene	7.219	105	60366	17.92 ug/l	95
96) sec-Butylbenzene	7.321	105	58883	15.52 ug/l	94
97) 4-Isopropyltoluene	7.387	119	44836	15.35 ug/l	94
98) n-Butylbenzene	7.616	91	57616	16.77 ug/l	88
99) p-Diethylbenzene	7.604	119	21904	13.82 ug/l	93
100) 1,2,4,5-Tetramethylben...	8.042	119	34177	11.65 ug/l	96
101) 1,2-Dibromo-3-Chloropr...	8.078	157	3195	12.78 ug/l	91
102) Camphor	8.511	95	12390	119.37 ug/l	95
103) Hexachlorobutadiene	8.662	225	5080	14.31 ug/l	96
104) 1,2,4-Trichlorobenzene	8.571	180	15186	15.09 ug/l	96
105) 1,2,3-Trichlorobenzene	8.860	180	12505	13.63 ug/l	98
106) Naphthalene	8.722	128	32561	11.23 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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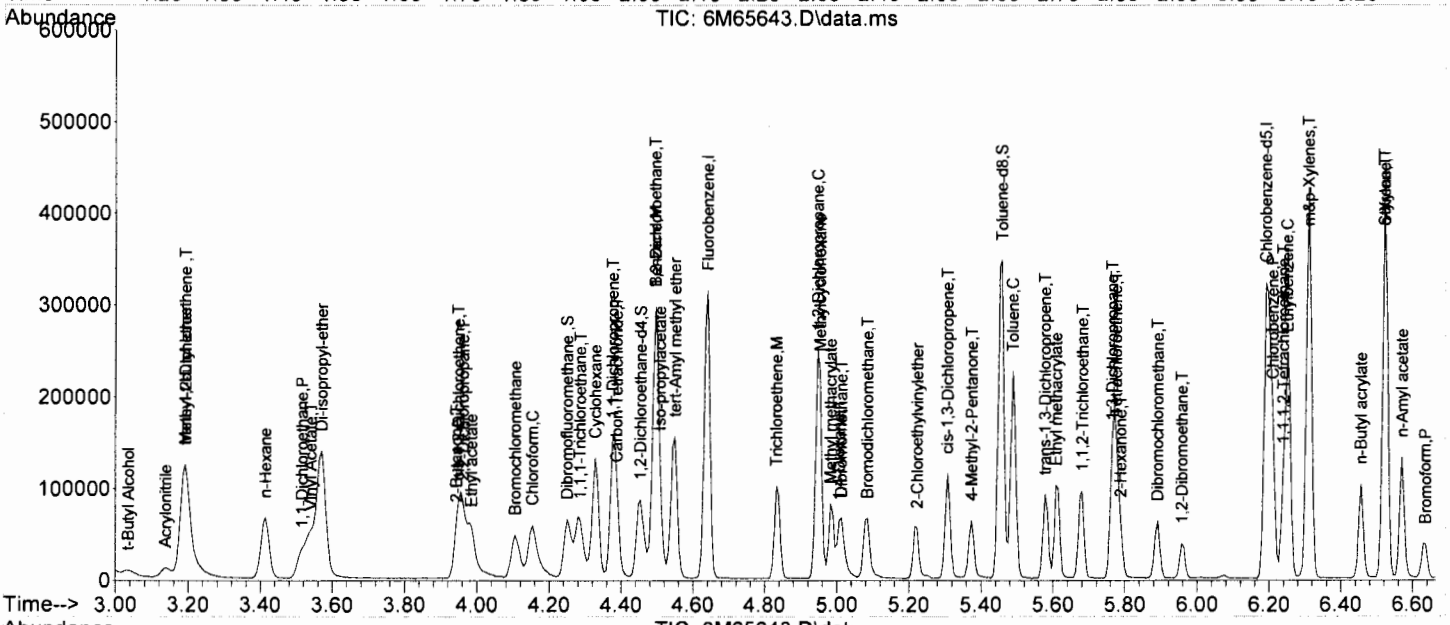
Quant QT Reviewed
SampleID : MBS
Data File: 6M65643.D
Acq On : 02/18/11 17:33
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/18/11 17:51
Qt Upd On: 02/09/11 08:38
Abundance
Time-->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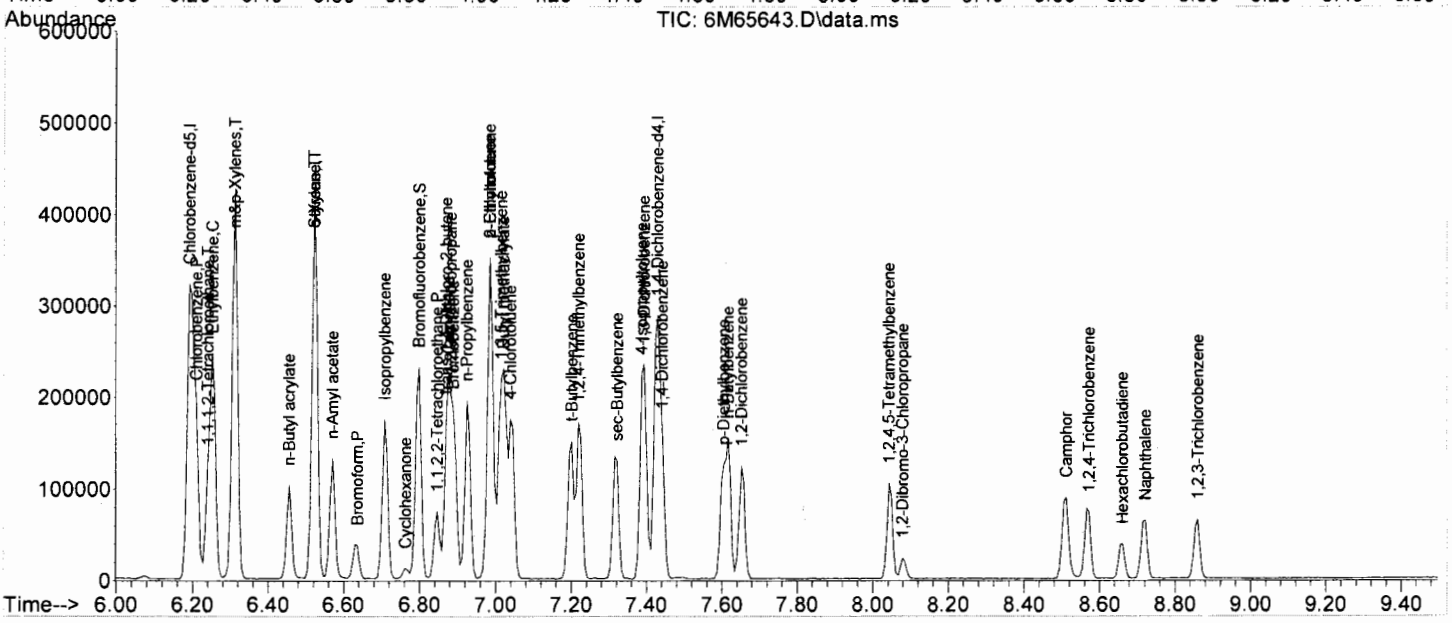
Abundance
Time-->


TIC: 6M65643.D\data.ms
Abundance
Time-->

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.19	0	20	101	21	137
1,1-Dichloroethene	1	13.69	0	20	68	21	133
1,1-Dichloroethane	1	18.17	0	20	91	44	134
Chloroform	1	19.93	0	20	100	40	148
1,2-Dichloroethane	1	19.48	0	20	97	43	144
2-Butanone	1	16.64	0	20	83	25	157
Carbon Tetrachloride	1	21.66	0	20	108	42	146
Trichloroethene	1	19.55	0	20	98	46	127
Benzene	1	19.7	0	20	98	49	135
Tetrachloroethene	1	21	0	20	105	42	138
Toluene	1	19.88	0	20	99	53	129
Chlorobenzene	1	19.2	0	20	96	51	129
1,4-Dichlorobenzene	1	18.13	0	20	91	45	128
1,2-Dichlorobenzene	1	18.42	0	20	92	50	126
n-Propylbenzene	1	20.07	0	20	100	45	135
sec-Butylbenzene	1	18.99	0	20	95	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.79	0	20	94	21	137
1,1-Dichloroethene	1	16.73	0	20	84	21	133
1,1-Dichloroethane	1	17.47	0	20	87	44	134
Chloroform	1	18.75	0	20	94	40	148
1,2-Dichloroethane	1	18.94	0	20	95	43	144
2-Butanone	1	14.85	0	20	74	25	157
Carbon Tetrachloride	1	20.31	0	20	102	42	146
Trichloroethene	1	18.57	0	20	93	46	127
Benzene	1	19.33	0	20	97	49	135
Tetrachloroethene	1	19.28	0	20	96	42	138
Toluene	1	18.7	0	20	94	53	129
Chlorobenzene	1	18.41	0	20	92	51	129
1,4-Dichlorobenzene	1	18.43	0	20	92	45	128
1,2-Dichlorobenzene	1	18.18	0	20	91	50	126
n-Propylbenzene	1	19.83	0	20	99	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Duplicate(If applicable):	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.79	20.19	7.2	30
1,1-Dichloroethene	1	16.73	13.69	20	34
1,1-Dichloroethane	1	17.47	18.17	3.9	30
Chloroform	1	18.75	19.93	6.1	37
1,2-Dichloroethane	1	18.94	19.48	2.8	34
2-Butanone	1	14.85	16.64	11	47
Carbon Tetrachloride	1	20.31	21.66	6.4	32
Trichloroethene	1	18.57	19.55	5.1	30
Benzene	1	19.33	19.7	1.9	29
Tetrachloroethene	1	19.28	21	8.5	27
Toluene	1	18.7	19.88	6.1	33
Chlorobenzene	1	18.41	19.2	4.2	30
1,4-Dichlorobenzene	1	18.43	18.13	1.6	30
1,2-Dichlorobenzene	1	18.18	18.42	1.3	34
n-Propylbenzene	1	19.83	20.07	1.2	32
sec-Butylbenzene	1	18.47	18.99	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

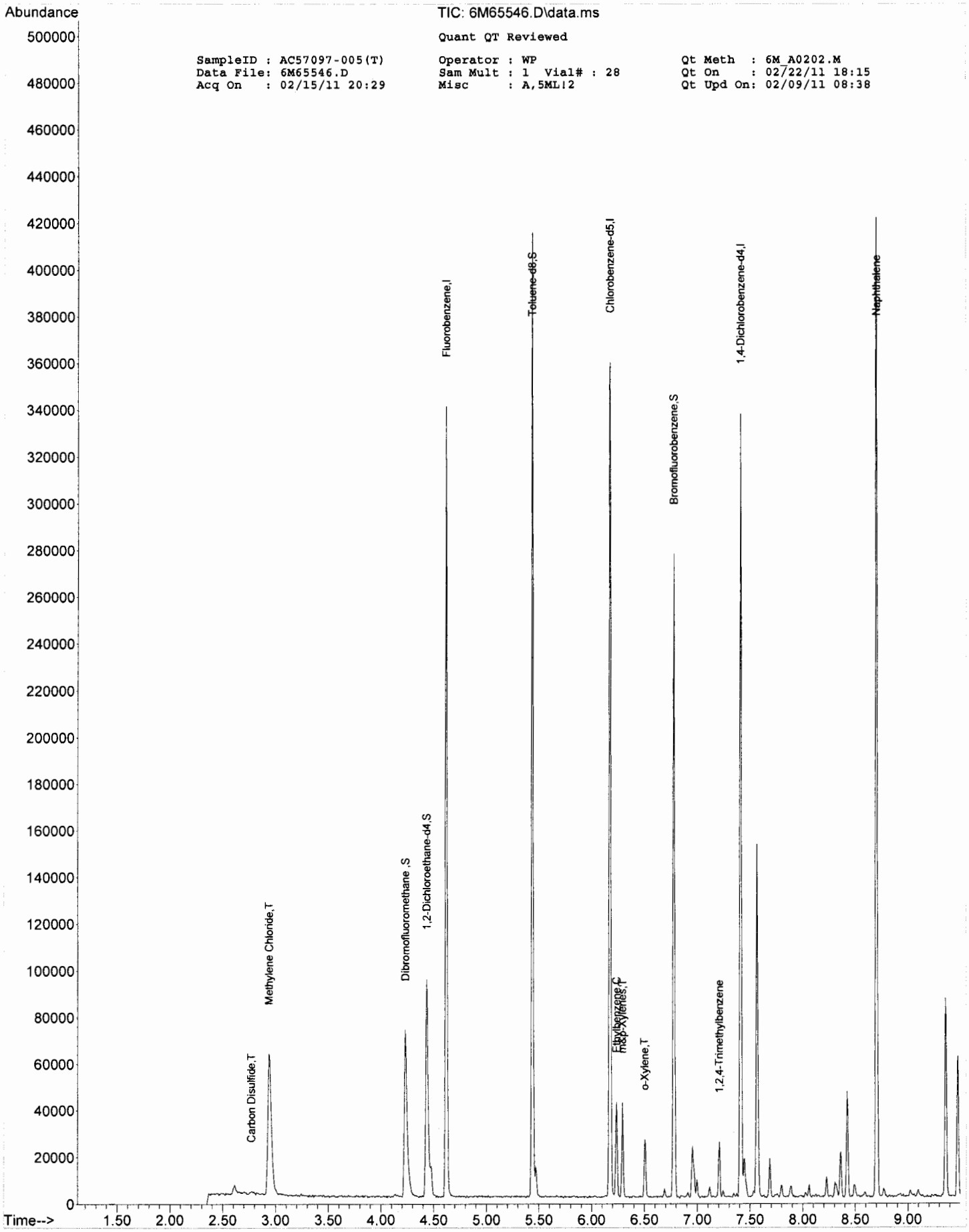
Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65546.D Sam Mult : 1 Vial# : 28 Qt On : 02/22/11 18:15
Acq On : 02/15/11 20:29 Misc : A,5ML!2 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	145187	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.179	117	108140	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.411	152	49104	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.231	111	44297	33.47	ug/l	-0.02
Spiked Amount 30.000			Recovery = 111.57%			
38) 1,2-Dichloroethane-d4	4.435	67	29535	31.65	ug/l	-0.01
Spiked Amount 30.000			Recovery = 105.50%			
65) Toluene-d8	5.439	98	140679	26.29	ug/l	-0.01
Spiked Amount 30.000			Recovery = 87.63%			
75) Bromofluorobenzene	6.780	174	41272	30.68	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.27%			
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	27361	16.30	ug/l	68
20) Carbon Disulfide	2.770	76	1351	1.90	ug/l	100
73) Ethylbenzene	6.239	106	4441	2.61	ug/l	98
77) m&p-Xylenes	6.293	106	5654	2.91	ug/l	91
78) o-Xylene	6.503	106	3105	1.65	ug/l	85
95) 1,2,4-Trimethylbenzene	7.207	105	8132	2.05	ug/l	91
106) Naphthalene	8.703	128	198522	58.09	ug/l	100

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


Abundance
TIC: 6M65546.D\data.ms
Quant QT Reviewed
SampleID : AC57097-005(T)
Data File: 6M65546.D
Acq On : 02/15/11 20:29
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : A,5ML!2
Qt Meth : 6M_A0202.M
Qt On : 02/22/11 18:15
Qt Upd On: 02/09/11 08:38
Carbon Disulfide,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
o-Xylene,T
Bromofluorobenzene,S
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Naphthalene
Time-->

Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MS) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65649.D Sam Mult : 1 Vial# : 10 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:13 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.639	96	134472	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.196	117	85090	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.428	152	39402	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.254	111	37731	30.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.60%			
38) 1,2-Dichloroethane-d4	4.452	67	24911	28.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.07%			
65) Toluene-d8	5.456	98	123419	29.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.70%			
75) Bromofluorobenzene	6.797	174	32950	30.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.77%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.471	51	62434	22.40	ug/l	72
6) Dichlorodifluoromethane	1.454	85	24290	14.99	ug/l	81
7) Chloromethane	1.615	50	31327	18.77	ug/l	79
8) Bromomethane	1.949	94	11640	12.87	ug/l	81
9) Vinyl Chloride	1.690	62	24919	20.19	ug/l	99
10) Chloroethane	2.013	64	14539	18.73	ug/l	96
11) Trichlorofluoromethane	2.226	101	31815	32.01	ug/l	90
12) Ethyl ether	2.439	59	17550	14.88	ug/l	90
13) Furan	2.463	39	66972	15.68	ug/l	74
14) 1,1,2-Trichloro-1,2,2-...	2.625	101	11795	14.59	ug/l	88
15) Methylene Chloride	2.962	84	42343	27.24	ug/l	71
16) Acrolein	2.517	56	15545	66.54	ug/l	97
17) Acrylonitrile	3.142	53	9117	14.80	ug/l	90
18) Iodomethane	2.733	142	21823	14.48	ug/l	88
19) Acetone	2.631	43	42033	64.72	ug/l	93
20) Carbon Disulfide	2.793	76	75769	27.55	ug/l	100
21) t-Butyl Alcohol	3.034	59	7489	68.76	ug/l	89
22) n-Hexane	3.413	57	22611	17.32	ug/l	97
23) Di-isopropyl-ether	3.569	45	114678	18.64	ug/l	96
24) 1,1-Dichloroethene	2.613	61	32379	13.69	ug/l	88
25) Methyl Acetate	2.884	43	25670	14.23	ug/l	100
26) Methyl-t-butyl ether	3.190	73	52327	18.03	ug/l	81
27) 1,1-Dichloroethane	3.521	63	51524	18.17	ug/l	98
28) trans-1,2-Dichloroethene	3.190	96	23407	19.58	ug/l	88
29) cis-1,2-Dichloroethene	3.954	61	51188	18.50	ug/l	97
30) Bromochloromethane	4.104	49	29531	17.88	ug/l	58
31) 2,2-Dichloropropane	3.960	77	28471	18.10	ug/l	98
32) Ethyl acetate	3.984	43	31902	14.73	ug/l	88
33) 1,4-Dioxane	5.011	88	9351	835.97	ug/l	57
34) 1,1-Dichloropropene	4.380	75	35223	20.32	ug/l	96
35) Chloroform	4.152	83	46546	19.93	ug/l	86
37) Cyclohexane	4.326	56	36760	18.73	ug/l	77
39) 1,2-Dichloroethane	4.495	62	40493	19.48	ug/l	93
40) 2-Butanone	3.948	43	12878	16.64	ug/l	87
41) 1,1,1-Trichloroethane	4.284	97	32616	20.74	ug/l	91
42) Carbon Tetrachloride	4.386	117	25191	21.66	ug/l	94
43) Vinyl Acetate	3.545	43	49131m	12.37	ug/l	
44) Bromodichloromethane	5.084	83	32681	19.25	ug/l	90
45) Methylcyclohexane	4.951	83	22111	18.44	ug/l	81
46) Dibromomethane	5.011	174	13682	22.70	ug/l	91
47) 1,2-Dichloropropane	4.945	63	27043	18.53	ug/l	97
48) Trichloroethene	4.837	130	20490	19.55	ug/l	84
49) Benzene	4.495	78	96184	19.70	ug/l	100
50) tert-Amyl methyl ether	4.549	73	53533	17.80	ug/l	80
52) Iso-propylacetate	4.507	43	51107	15.19	ug/l	84
53) Methyl methacrylate	4.987	41	31074	14.52	ug/l	85
54) Dibromochloromethane	5.889	129	20191	18.28	ug/l	95
55) 2-Chloroethylvinylether	0.000		0	N.D.	d	
56) cis-1,3-Dichloropropene	5.306	75	32015	14.76	ug/l	89
57) trans-1,3-Dichloropropene	5.583	75	27117	14.34	ug/l	97
58) Ethyl methacrylate	5.613	41	32683	14.69	ug/l	95
59) 1,1,2-Trichloroethane	5.679	97	18006	17.01	ug/l	92
60) 1,2-Dibromoethane	5.961	107	18436	17.52	ug/l	93
61) 1,3-Dichloropropane	5.769	76	34175	17.76	ug/l	99
62) 4-Methyl-2-Pentanone	5.372	43	32351	13.93	ug/l	90
63) 2-Hexanone	5.787	43	22062	14.85	ug/l	90
64) Tetrachloroethene	5.775	164	15797	21.00	ug/l	100
66) Toluene	5.492	92	56547	19.88	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.244	133	17569	20.73	ug/l	75

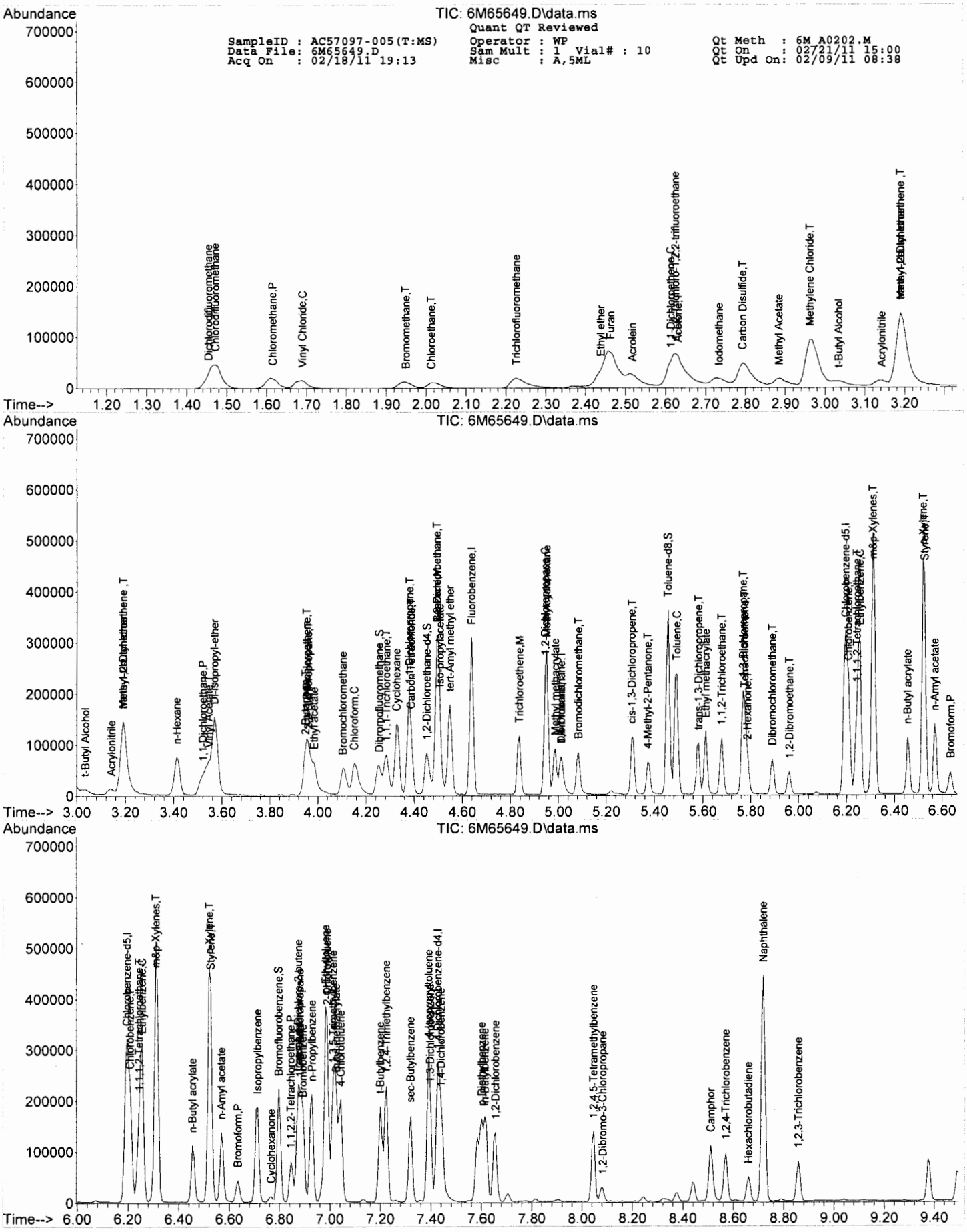
Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MS) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65649.D Sam Mult : 1 Vial# : 10 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:13 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.208	112	55012	19.20 ug/l	96
70) n-Butyl acrylate	6.454	55	42774	12.97 ug/l	91
71) n-Amyl acetate	6.568	43	51830	14.38 ug/l	95
72) Bromoform	6.635	173	12190	17.06 ug/l	98
73) Ethylbenzene	6.256	106	32512	23.84 ug/l	98
74) 1,1,2,2-Tetrachloroethane	6.845	83	25866	16.83 ug/l	89
76) Styrene	6.526	104	57003	20.65 ug/l	98
77) m&p-Xylenes	6.310	106	72555	46.61 ug/l	95
78) o-Xylene	6.520	106	35259	23.42 ug/l	97
79) trans-1,4-Dichloro-2-b...	6.875	53	12498	17.66 ug/l	73
80) 1,3-Dichlorobenzene	7.398	146	35808	20.22 ug/l	92
81) 1,4-Dichlorobenzene	7.440	146	35940	18.13 ug/l	96
82) 1,2-Dichlorobenzene	7.656	146	33613	18.42 ug/l	94
83) Isopropylbenzene	6.713	105	73527	19.05 ug/l	98
84) Cyclohexanone	6.767	55	3322	57.48 ug/l	85
85) Camphene	6.875	93	19186	17.00 ug/l	91
86) 1,2,3-Trichloropropane	6.881	75	30568	17.67 ug/l	81
87) 2-Chlorotoluene	6.989	91	72520	20.17 ug/l	95
88) p-Ethyltoluene	6.983	105	99431	22.37 ug/l	81
89) 4-Chlorotoluene	7.043	91	69008	19.69 ug/l	94
90) n-Propylbenzene	6.929	91	102707	20.07 ug/l	97
91) Bromobenzene	6.893	77	58076	18.73 ug/l	88
92) 1,3,5-Trimethylbenzene	7.013	105	65255	21.93 ug/l	95
93) Butyl methacrylate	7.025	41	52674	18.86 ug/l	99
94) t-Butylbenzene	7.200	119	52686	19.41 ug/l	90
95) 1,2,4-Trimethylbenzene	7.224	105	78741	24.73 ug/l	95
96) sec-Butylbenzene	7.320	105	68134	18.99 ug/l	93
97) 4-Isopropyltoluene	7.392	119	53401	19.34 ug/l	94
98) n-Butylbenzene	7.614	91	74330	22.89 ug/l	85
99) p-Diethylbenzene	7.602	119	31981	21.34 ug/l	92
100) 1,2,4,5-Tetramethylben...	8.047	119	47149	16.99 ug/l	96
101) 1,2-Dibromo-3-Chloropr...	8.083	157	3493	14.77 ug/l	88
102) Camphor	8.510	95	13866	141.29 ug/l	98
103) Hexachlorobutadiene	8.660	225	6111	18.21 ug/l	98
104) 1,2,4-Trichlorobenzene	8.570	180	17421	18.31 ug/l	96
105) 1,2,3-Trichlorobenzene	8.859	180	14265	16.45 ug/l	98
106) Naphthalene	8.720	128	219262	79.95 ug/l	100

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


Abundance
TIC: 6M65649.D\data.ms
Quant QT Reviewed
SampleID : AC57097-005(T:MS)
Data File: 6M65649.D
Acq On : 02/18/11 19:13
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/21/11 15:00
Qt Upd On: 02/09/11 08:38
Time-->

Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MSD) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65650.D Sam Mult : 1 Vial# : 11 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:30 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.640	96	134918	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.191	117	85108	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.430	152	38120	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.250	111	36653	29.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.33%			
38) 1,2-Dichloroethane-d4	4.454	67	24971	28.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.97%			
65) Toluene-d8	5.458	98	124216	29.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.30%			
75) Bromofluorobenzene	6.798	174	33419	32.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.70%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.471	51	59608	21.32	ug/l	71
6) Dichlorodifluoromethane	1.459	85	22578	13.88	ug/l	86
7) Chloromethane	1.615	50	28854	17.23	ug/l	82
8) Bromomethane	1.943	94	11699	12.89	ug/l	82
9) Vinyl Chloride	1.684	62	23268	18.79	ug/l	100
10) Chloroethane	2.024	64	13285	17.06	ug/l	90
11) Trichlorofluoromethane	2.225	101	20889	20.95	ug/l	81
12) Ethyl ether	2.434	59	18378	15.53	ug/l	97
13) Furan	2.458	39	63893	14.91	ug/l	74
14) 1,1,2-Trichloro-1,2,2-...	2.621	101	14669	18.09	ug/l	89
15) Methylene Chloride	2.963	84	49218	31.56	ug/l	80
16) Acrolein	2.512	56	15986	68.20	ug/l	99
17) Acrylonitrile	3.144	53	9992	16.16	ug/l	90
18) Iodomethane	2.723	142	24379	17.35	ug/l	85
19) Acetone	2.627	43	57663	88.49	ug/l	98
20) Carbon Disulfide	2.795	76	87044	31.33	ug/l	100
21) t-Butyl Alcohol	3.041	59	6772	61.97	ug/l	97
22) n-Hexane	3.414	57	20548	15.69	ug/l	98
23) Di-isopropyl-ether	3.570	45	113494	18.39	ug/l	96
24) 1,1-Dichloroethene	2.615	61	39708	16.73	ug/l	95
25) Methyl Acetate	2.885	43	28991	16.01	ug/l	100
26) Methyl-t-butyl ether	3.192	73	50779	17.44	ug/l	80
27) 1,1-Dichloroethane	3.516	63	49699	17.47	ug/l	99
28) trans-1,2-Dichloroethene	3.192	96	22277	18.58	ug/l	88
29) cis-1,2-Dichloroethene	3.949	61	47360	17.06	ug/l	100
30) Bromochloromethane	4.105	49	28544	17.23	ug/l	60
31) 2,2-Dichloropropane	3.961	77	24290	15.40	ug/l	94
32) Ethyl acetate	3.985	43	33980	15.63	ug/l	87
33) 1,4-Dioxane	5.013	88	9232	822.61	ug/l	51
34) 1,1-Dichloropropene	4.376	75	34276	19.71	ug/l	96
35) Chloroform	4.153	83	43932	18.75	ug/l	84
37) Cyclohexane	4.328	56	35125	17.84	ug/l	77
39) 1,2-Dichloroethane	4.496	62	39489	18.94	ug/l	91
40) 2-Butanone	3.943	43	11530	14.85	ug/l	87
41) 1,1,1-Trichloroethane	4.286	97	29830	18.91	ug/l	94
42) Carbon Tetrachloride	4.388	117	23693	20.31	ug/l	91
43) Vinyl Acetate	3.540	43	50518m	12.68	ug/l	
44) Bromodichloromethane	5.079	83	31216	18.33	ug/l	89
45) Methylcyclohexane	4.953	83	21586	17.95	ug/l	78
46) Dibromomethane	5.013	174	12652	20.92	ug/l	93
47) 1,2-Dichloropropane	4.947	63	26546	18.13	ug/l	93
48) Trichloroethene	4.833	130	19524	18.57	ug/l	86
49) Benzene	4.496	78	94680	19.33	ug/l	100
50) tert-Amyl methyl ether	4.550	73	53027	17.57	ug/l	79
52) Iso-propylacetate	4.502	43	52902	15.72	ug/l	84
53) Methyl methacrylate	4.983	41	31880	14.89	ug/l	83
54) Dibromochloromethane	5.891	129	19346	17.51	ug/l	100
55) 2-Chloroethylvinylether	5.248	63	931	N.D.		
56) cis-1,3-Dichloropropene	5.308	75	31546	14.54	ug/l	91
57) trans-1,3-Dichloropropene	5.578	75	25347	13.40	ug/l	97
58) Ethyl methacrylate	5.608	41	32681	14.68	ug/l	95
59) 1,1,2-Trichloroethane	5.680	97	17944	16.95	ug/l	89
60) 1,2-Dibromoethane	5.957	107	17841	16.95	ug/l	93
61) 1,3-Dichloropropane	5.764	76	34675	18.02	ug/l	97
62) 4-Methyl-2-Pentanone	5.374	43	31832	13.70	ug/l	95
63) 2-Hexanone	5.789	43	22758	15.32	ug/l	90
64) Tetrachloroethene	5.777	164	14507	19.28	ug/l	99
66) Toluene	5.488	92	53212	18.70	ug/l	89
67) 1,1,1,2-Tetrachloroethane	6.239	133	16678	19.68	ug/l	64

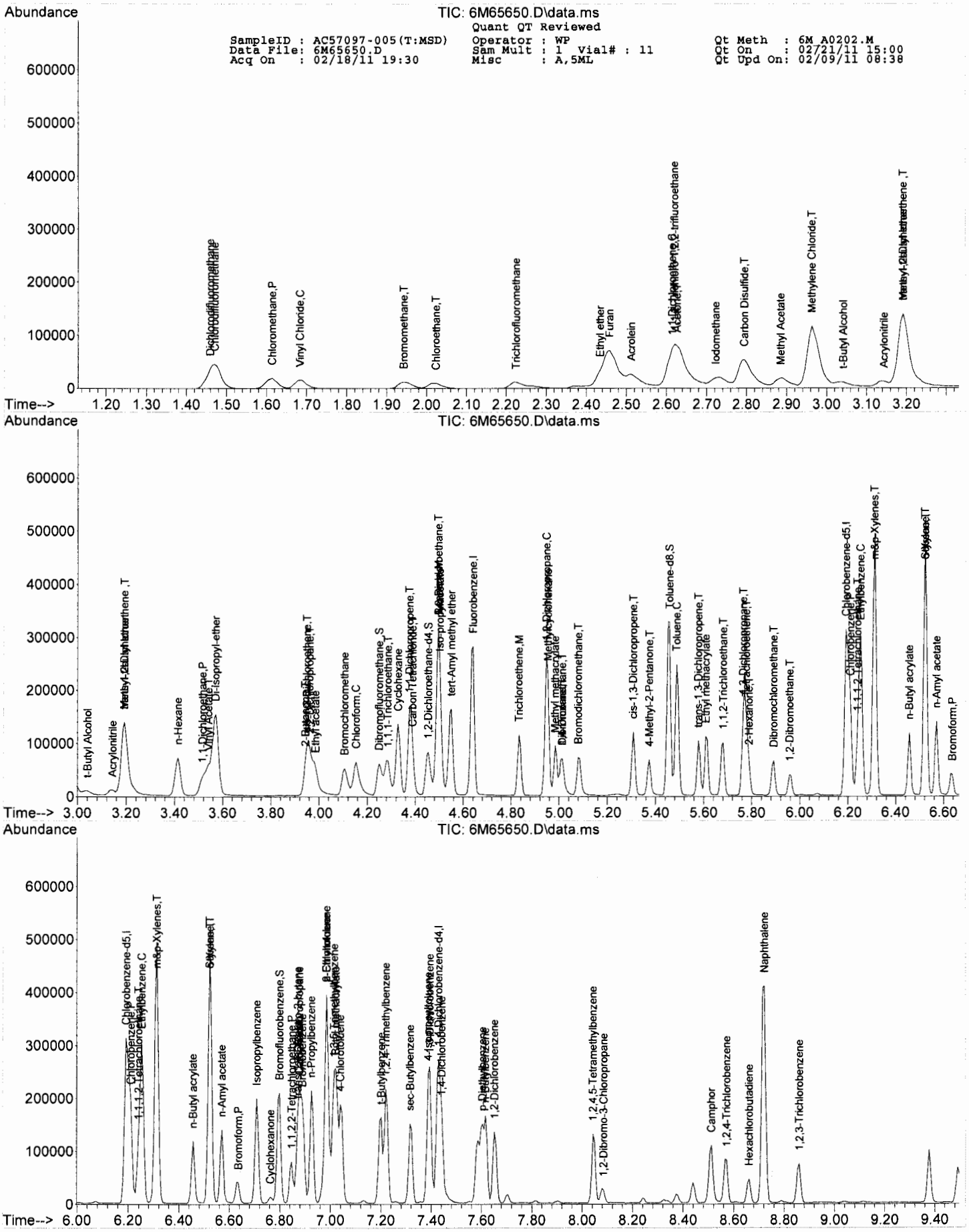
Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MSD) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65650.D Sam Mult : 1 Vial# : 11 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:30 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.209	112	52761	18.41 ug/l	100
70) n-Butyl acrylate	6.456	55	41825	13.11 ug/l	93
71) n-Amyl acetate	6.570	43	51590	14.79 ug/l	95
72) Bromoform	6.636	173	12033	17.40 ug/l	100
73) Ethylbenzene	6.251	106	29088	22.05 ug/l	99
74) 1,1,2,2-Tetrachloroethane	6.846	83	25307	17.02 ug/l	90
76) Styrene	6.522	104	55051	20.61 ug/l	91
77) m&p-Xylenes	6.311	106	70254	46.65 ug/l	95
78) o-Xylene	6.522	106	34963	24.00 ug/l	89
79) trans-1,4-Dichloro-2-b...	6.871	53	11870	17.33 ug/l	76
80) 1,3-Dichlorobenzene	7.394	146	35453	20.69 ug/l	91
81) 1,4-Dichlorobenzene	7.442	146	35354	18.43 ug/l	95
82) 1,2-Dichlorobenzene	7.652	146	32080	18.18 ug/l	95
83) Isopropylbenzene	6.708	105	70182	18.79 ug/l	98
84) Cyclohexanone	6.762	55	3460	61.88 ug/l	86
85) Camphene	6.877	93	16393	15.01 ug/l	92
86) 1,2,3-Trichloropropane	6.877	75	29823	17.82 ug/l	81
87) 2-Chlorotoluene	6.985	91	69348	19.94 ug/l	94
88) p-Ethyltoluene	6.985	105	90384	21.02 ug/l	79
89) 4-Chlorotoluene	7.039	91	60728	17.91 ug/l	95
90) n-Propylbenzene	6.925	91	98171	19.83 ug/l	95
91) Bromobenzene	6.889	77	55819	18.61 ug/l	87
92) 1,3,5-Trimethylbenzene	7.015	105	66074	22.95 ug/l	95
93) Butyl methacrylate	7.021	41	49029	18.14 ug/l	95
94) t-Butylbenzene	7.201	119	49875	18.99 ug/l	90
95) 1,2,4-Trimethylbenzene	7.219	105	73798	23.95 ug/l	96
96) sec-Butylbenzene	7.315	105	64085	18.47 ug/l	94
97) 4-Isopropyltoluene	7.388	119	49861	18.66 ug/l	95
98) n-Butylbenzene	7.616	91	70991	22.59 ug/l	85
99) p-Diethylbenzene	7.604	119	30047	20.73 ug/l	92
100) 1,2,4,5-Tetramethylben...	8.043	119	42180	15.71 ug/l	91
101) 1,2-Dibromo-3-Chloropr...	8.085	157	3443	15.05 ug/l	90
102) Camphor	8.512	95	14248	150.06 ug/l	100
103) Hexachlorobutadiene	8.662	225	5633	17.35 ug/l	99
104) 1,2,4-Trichlorobenzene	8.572	180	16812	18.26 ug/l	96
105) 1,2,3-Trichlorobenzene	8.860	180	14692	17.51 ug/l	97
106) Naphthalene	8.722	128	217592	82.01 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AC57097-005(T:MSD)
Data File: 6M65650.D
Acq On : 02/18/11 19:30
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/21/11 15:00
Qt Upd On: 02/09/11 08:38
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 6M65650.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->

Abundance
TIC: 6M65650.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,T
1,1,1,2-Tetrachloroethane,T
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63689.D	MBS6307	3/3/2011 9:53:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.24	0	20	66	21	137
1,1-Dichloroethene	1	14.74	0	20	74	21	133
1,1-Dichloroethane	1	16.2	0	20	81	44	134
Chloroform	1	15.78	0	20	79	40	148
1,2-Dichloroethane	1	14.9	0	20	74	43	144
2-Butanone	1	14.68	0	20	73	25	157
Carbon Tetrachloride	1	19.98	0	20	100	42	146
Trichloroethene	1	17.15	0	20	86	46	127
Benzene	1	16.45	0	20	82	49	135
Tetrachloroethene	1	18.78	0	20	94	42	138
Toluene	1	16.22	0	20	81	53	129
Chlorobenzene	1	16.74	0	20	84	51	129
1,4-Dichlorobenzene	1	16.32	0	20	82	45	128
1,2-Dichlorobenzene	1	16.67	0	20	83	50	126
n-Propylbenzene	1	17.56	0	20	88	45	135
sec-Butylbenzene	1	18.27	0	20	91	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63689.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 09:53 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.278	96	297234	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.076	117	247547	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.472	152	149301	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.815	111	74411	30.19	ug/l	-0.04
Spiked Amount 30.000			Recovery = 100.63%			
38) 1,2-Dichloroethane-d4	4.055	67	45305	29.02	ug/l	-0.04
Spiked Amount 30.000			Recovery = 96.73%			
65) Toluene-d8	5.228	98	314252	28.72	ug/l	-0.03
Spiked Amount 30.000			Recovery = 95.73%			
75) Bromofluorobenzene	6.768	174	138151	29.63	ug/l	-0.04
Spiked Amount 30.000			Recovery = 98.77%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.178	51	105610	17.96	ug/l	54
6) Dichlorodifluoromethane	1.178	85	26816	7.98	ug/l	95
7) Chloromethane	1.294	50	49427	13.41	ug/l	87
8) Bromomethane	1.560	94	22552	12.95	ug/l	82
9) Vinyl Chloride	1.344	62	37735	13.24	ug/l	88
10) Chloroethane	1.627	64	23492	10.29	ug/l	93
11) Trichlorofluoromethane	1.777	101	54899	18.69	ug/l	86
12) Ethyl ether	1.978	59	46444	13.60	ug/l	87
13) Furan	1.998	39	133406	13.85	ug/l	99
14) 1,1,2-Trichloro-1,2,2-...	2.126	101	38637	22.15	ug/l	96
15) Methylene Chloride	2.471	84	57294	15.79	ug/l	85
16) Acrolein	2.067	56	38440	86.23	ug/l	94
17) Acrylonitrile	2.649	53	17811	13.59	ug/l	99
18) Iodomethane	2.244	142	84244	10.17	ug/l	91
19) Acetone	2.166	43	78408	85.74	ug/l	95
20) Carbon Disulfide	2.294	76	161817	16.14	ug/l	100
21) t-Butyl Alcohol	2.530	59	17901	63.80	ug/l	67
22) n-Hexane	2.856	57	56315	25.00	ug/l	73
23) Di-isopropyl-ether	3.013	45	218142	16.81	ug/l	89
24) 1,1-Dichloroethene	2.136	61	76996	14.74	ug/l	94
25) Methyl Acetate	2.392	43	44874	14.30	ug/l	100
26) Methyl-t-butyl ether	2.659	73	117753	15.91	ug/l	68
27) 1,1-Dichloroethane	2.974	63	107542	16.20	ug/l	97
28) trans-1,2-Dichloroethene	2.659	96	53634	16.94	ug/l	95
29) cis-1,2-Dichloroethene	3.430	61	90352	17.02	ug/l	81
30) Bromochloromethane	3.628	49	53000	15.07	ug/l	79
31) 2,2-Dichloropropane	3.430	77	70118	23.94	ug/l	91
32) Ethyl acetate	3.484	43	49940	12.98	ug/l	97
33) 1,4-Dioxane	4.723	88	26321	718.59	ug/l	93
34) 1,1-Dichloropropene	3.953	75	72162	16.72	ug/l	93
35) Chloroform	3.688	83	82331	15.78	ug/l	88
37) Cyclohexane	3.869	56	85222	21.54	ug/l	89
39) 1,2-Dichloroethane	4.109	62	71498	14.90	ug/l	96
40) 2-Butanone	3.442	43	22764	14.68	ug/l	93
41) 1,1,1-Trichloroethane	3.833	97	67266	17.02	ug/l	94
42) Carbon Tetrachloride	3.953	117	60704	19.98	ug/l	95
43) Vinyl Acetate	3.004	43	211902	15.80	ug/l	100
44) Bromodichloromethane	4.801	83	77440	16.04	ug/l	93
45) Methylcyclohexane	4.621	83	71185	22.51	ug/l	98
46) Dibromomethane	4.717	174	52139	17.31	ug/l	94
47) 1,2-Dichloropropane	4.645	63	68782	16.29	ug/l	94
48) Trichloroethene	4.506	130	61812	17.15	ug/l	89
49) Benzene	4.097	78	220732	16.45	ug/l	100
50) tert-Amyl methyl ether	4.163	73	139448	16.48	ug/l	75
52) Iso-propylacetate	4.133	43	104771	13.05	ug/l	71
53) Methyl methacrylate	4.699	41	54151	13.54	ug/l	93
54) Dibromochloromethane	5.740	129	64329	15.68	ug/l	95
55) 2-Chloroethylvinylether	4.970	63	39933	15.15	ug/l	71
56) cis-1,3-Dichloropropene	5.066	75	100469	16.31	ug/l	90
57) trans-1,3-Dichloropropene	5.391	75	82220	14.93	ug/l	88
58) Ethyl methacrylate	5.427	41	63938	14.41	ug/l	82
59) 1,1,2-Trichloroethane	5.499	97	52593	15.31	ug/l	88
60) 1,2-Dibromoethane	5.812	107	55981	14.48	ug/l	85
61) 1,3-Dichloropropane	5.601	76	99648	15.90	ug/l	97
62) 4-Methyl-2-Pentanone	5.150	43	64909	13.64	ug/l	89
63) 2-Hexanone	5.637	43	41483	11.97	ug/l	93
64) Tetrachloroethene	5.589	164	60921	18.78	ug/l	96
66) Toluene	5.264	92	149754	16.22	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.137	133	56911	17.02	ug/l	60

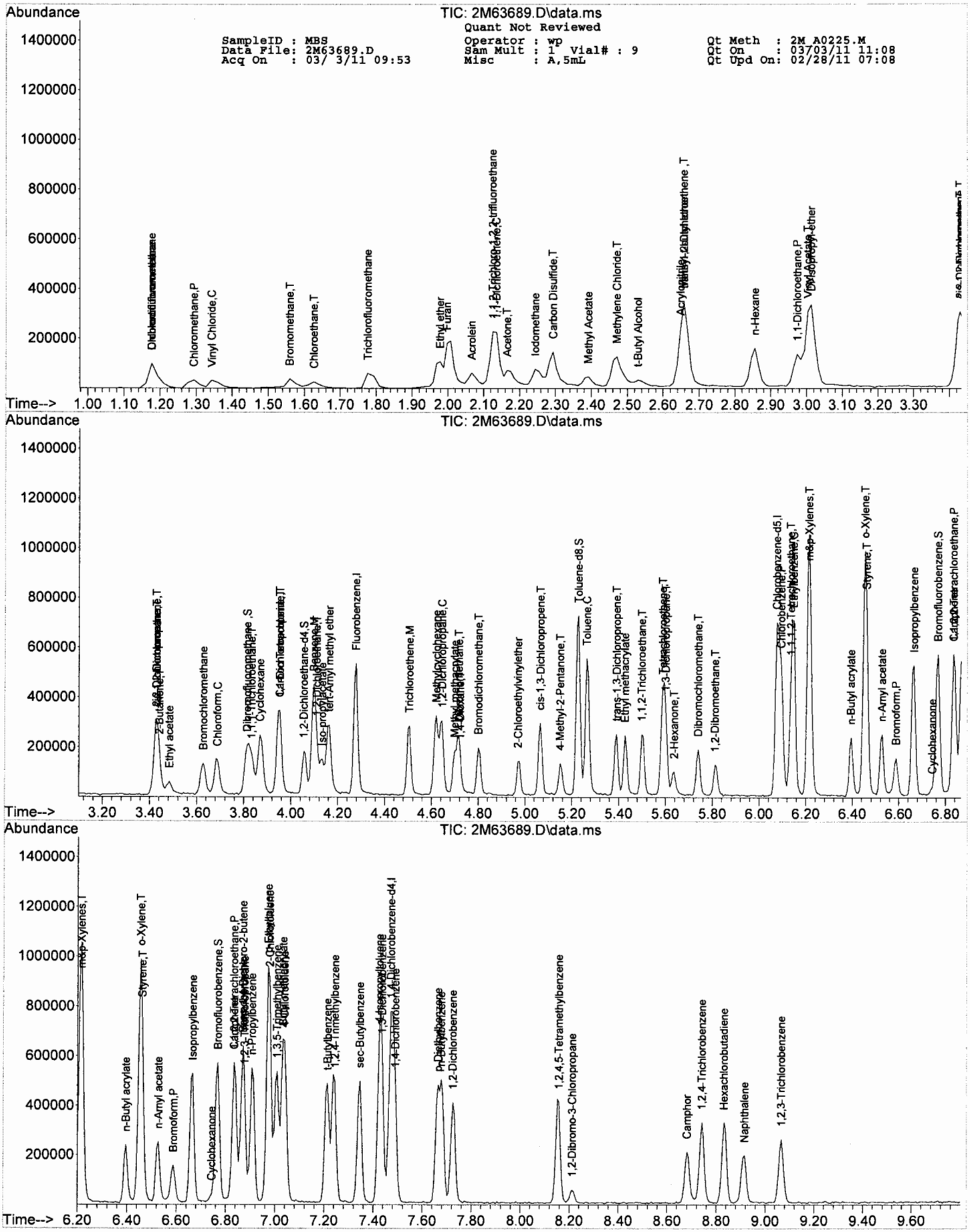
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63689.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 09:53 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.094	112	175538	16.74	ug/l	98
70)	n-Butyl acrylate	6.395	55	104463	11.12	ug/l	96
71)	n-Amyl acetate	6.528	43	109501	11.44	ug/l	86
72)	Bromoform	6.588	173	49087	13.88	ug/l	93
73)	Ethylbenzene	6.149	106	77216	21.37	ug/l	74
74)	1,1,2,2-Tetrachloroethane	6.834	83	69484	14.03	ug/l	89
76)	Styrene	6.461	104	181425	16.41	ug/l	80
77)	m&p-Xylenes	6.215	106	217462	35.46	ug/l	76
78)	o-Xylene	6.455	106	109587	17.55	ug/l	69
79)	trans-1,4-Dichloro-2-b...	6.870	53	18128	17.64	ug/l	30
80)	1,3-Dichlorobenzene	7.436	146	147272	17.18	ug/l	83
81)	1,4-Dichlorobenzene	7.490	146	143284	16.32	ug/l	93
82)	1,2-Dichlorobenzene	7.725	146	138401	16.67	ug/l	85
83)	Isopropylbenzene	6.666	105	250539	17.10	ug/l	92
84)	Cyclohexanone	6.744	55	11385	61.91	ug/l	89
85)	Camphene	6.834	93	78386	20.67	ug/l	86
86)	1,2,3-Trichloropropane	6.876	75	82669	14.03	ug/l	85
87)	2-Chlorotoluene	6.979	91	165507	15.82	ug/l	93
88)	p-Ethyltoluene	6.973	105	274395	16.80	ug/l	84
89)	4-Chlorotoluene	7.039	91	161705	17.16	ug/l	89
90)	n-Propylbenzene	6.907	91	320039	17.56	ug/l	95
91)	Bromobenzene	6.870	77	140990	18.82	ug/l	77
92)	1,3,5-Trimethylbenzene	7.009	105	204733	16.51	ug/l	82
93)	Butyl methacrylate	7.033	41	92040	12.22	ug/l	48
94)	t-Butylbenzene	7.213	119	206003	17.81	ug/l	75
95)	1,2,4-Trimethylbenzene	7.243	105	225920	17.71	ug/l	84
96)	sec-Butylbenzene	7.346	105	259679	18.27	ug/l	97
97)	4-Isopropyltoluene	7.424	119	204020	17.96	ug/l	86
98)	n-Butylbenzene	7.676	91	223979	18.32	ug/l	93
99)	p-Diethylbenzene	7.664	119	111528	17.05	ug/l	86
100)	1,2,4,5-Tetramethylben...	8.158	119	176087	16.24	ug/l	81
101)	1,2-Dibromo-3-Chloropr...	8.212	157	13637	11.90	ug/l	47
102)	Camphor	8.681	95	39923	105.49	ug/l	88
103)	Hexachlorobutadiene	8.831	225	68314	19.00	ug/l	97
104)	1,2,4-Trichlorobenzene	8.741	180	92854	16.20	ug/l	95
105)	1,2,3-Trichlorobenzene	9.066	180	78124	14.93	ug/l	95
106)	Naphthalene	8.916	128	132495	12.00	ug/l	100

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


Abundance
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Quant Not Reviewed
SampleID : MBS
Data File: 2M63689.D
Acq On : 03/ 3/11 09:53
Operator : wp
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03703/11 11:08
Qt Upd On: 02/28/11 07:08
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.77	0	20	89	21	137
1,1-Dichloroethene	1	16.44	0	20	82	21	133
1,1-Dichloroethane	1	17.33	0	20	87	44	134
Chloroform	1	17.1	0	20	86	40	148
1,2-Dichloroethane	1	16.46	0	20	82	43	144
2-Butanone	1	18.42	0	20	92	25	157
Carbon Tetrachloride	1	19.9	0	20	100	42	146
Trichloroethene	1	17.07	0	20	85	46	127
Benzene	1	17.31	0	20	87	49	135
Tetrachloroethene	1	17.34	0	20	87	42	138
Toluene	1	17.36	0	20	87	53	129
Chlorobenzene	1	16.99	0	20	85	51	129
1,4-Dichlorobenzene	1	17.42	0	20	87	45	128
1,2-Dichlorobenzene	1	17.73	0	20	89	50	126
n-Propylbenzene	1	19.44	0	20	97	45	135
sec-Butylbenzene	1	19.33	0	20	97	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.41	0	20	92	21	137
1,1-Dichloroethene	1	17.15	0	20	86	21	133
1,1-Dichloroethane	1	17.75	0	20	89	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	16.07	0	20	80	43	144
2-Butanone	1	21.06	0	20	105	25	157
Carbon Tetrachloride	1	20.65	0	20	103	42	146
Trichloroethene	1	18.21	0	20	91	46	127
Benzene	1	17.64	0	20	88	49	135
Tetrachloroethene	1	18.36	0	20	92	42	138
Toluene	1	17.67	0	20	88	53	129
Chlorobenzene	1	17.61	0	20	88	51	129
1,4-Dichlorobenzene	1	17.68	0	20	88	45	128
1,2-Dichlorobenzene	1	18.13	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	19.85	0	20	99	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Duplicate(If applicable):	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.41	17.77	3.5	30
1,1-Dichloroethene	1	17.15	16.44	4.2	34
1,1-Dichloroethane	1	17.75	17.33	2.4	30
Chloroform	1	18.17	17.1	6.1	37
1,2-Dichloroethane	1	16.07	16.46	2.4	34
2-Butanone	1	21.06	18.42	13	47
Carbon Tetrachloride	1	20.65	19.9	3.7	32
Trichloroethene	1	18.21	17.07	6.5	30
Benzene	1	17.64	17.31	1.9	29
Tetrachloroethene	1	18.36	17.34	5.7	27
Toluene	1	17.67	17.36	1.8	33
Chlorobenzene	1	17.61	16.99	3.6	30
1,4-Dichlorobenzene	1	17.68	17.42	1.5	30
1,2-Dichlorobenzene	1	18.13	17.73	2.2	34
n-Propylbenzene	1	19.17	19.44	1.4	32
sec-Butylbenzene	1	19.85	19.33	2.7	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Quantitation Report (QT Reviewed)

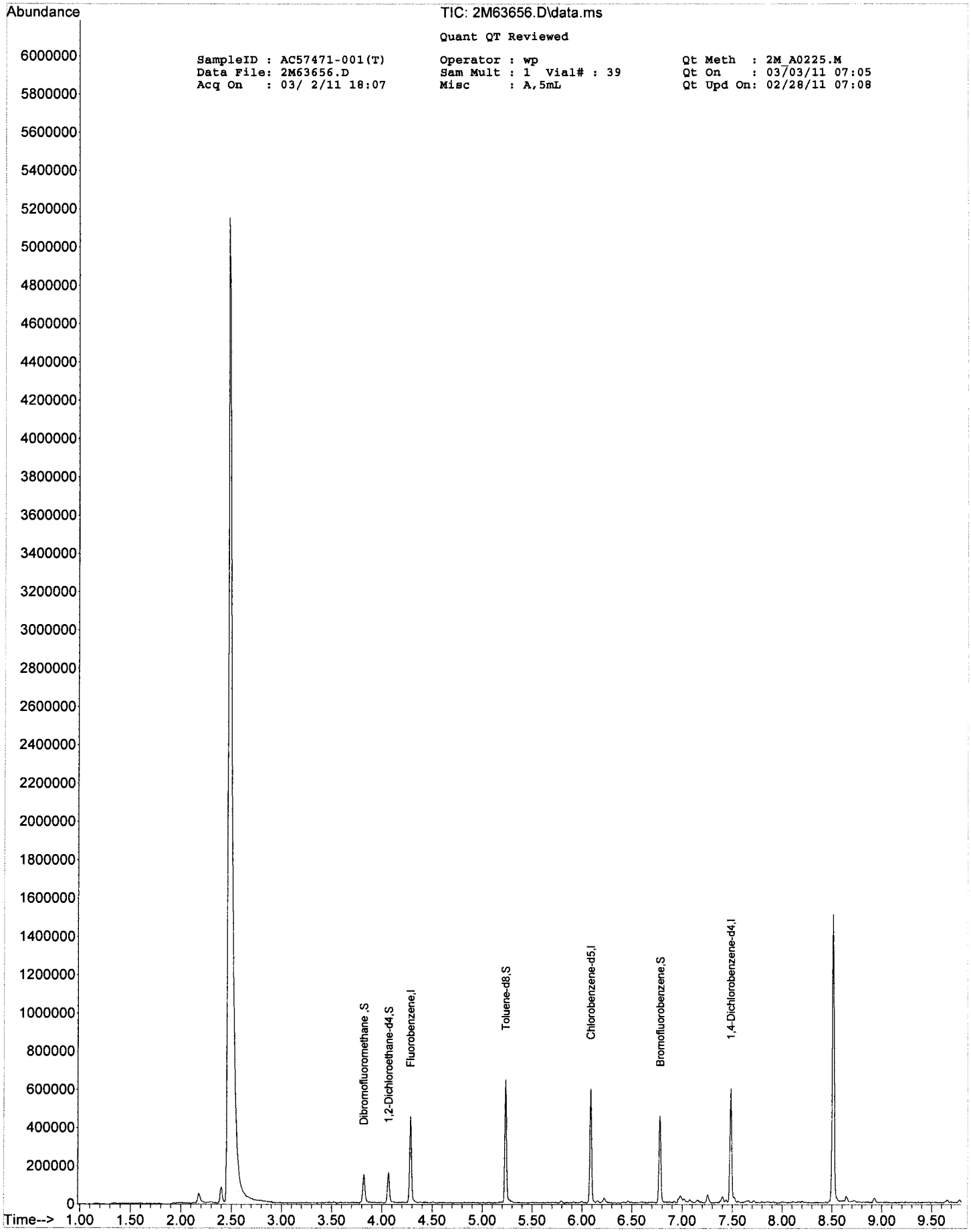
SampleID : AC57471-001(T) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63656.D Sam Mult : 1 Vial# : 39 Qt On : 03/03/11 07:05
Acq On : 03/ 2/11 18:07 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.283	96	255942	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.088	117	222337	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.483	152	129061	30.00	ug/l	-0.03
System Monitoring Compounds						
36) Dibromofluoromethane	3.820	111	65679	30.95	ug/l	-0.03
Spiked Amount 30.000			Recovery = 103.17%			
38) 1,2-Dichloroethane-d4	4.067	67	42869	31.89	ug/l	-0.02
Spiked Amount 30.000			Recovery = 106.30%			
65) Toluene-d8	5.234	98	276622	28.14	ug/l	-0.02
Spiked Amount 30.000			Recovery = 93.80%			
75) Bromofluorobenzene	6.779	174	114246	28.35	ug/l	-0.02
Spiked Amount 30.000			Recovery = 94.50%			

Target Compounds Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : AC57471-001(T)
Data File: 2M63656.D
Acq On : 03/ 2/11 18:07
Operator : wp
Sam Mult : 1 Vial# : 39
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/03/11 07:05
Qt Upd On: 02/28/11 07:08
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MS) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63706.D Sam Mult : 1 Vial# : 26 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 14:44 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.277	96	291401	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.075	117	246893	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	144828	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.807	111	74743	30.94	ug/l	-0.04
Spiked Amount 30.000			Recovery = 103.13%			
38) 1,2-Dichloroethane-d4	4.054	67	44744	29.23	ug/l	-0.04
Spiked Amount 30.000			Recovery = 97.43%			
65) Toluene-d8	5.221	98	311565	28.55	ug/l	-0.04
Spiked Amount 30.000			Recovery = 95.17%			
75) Bromofluorobenzene	6.767	174	124830	27.60	ug/l	-0.04
Spiked Amount 30.000			Recovery = 92.00%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.176	51	131742	22.85	ug/l	79
6) Dichlorodifluoromethane	1.176	85	58401	17.73	ug/l	89
7) Chloromethane	1.293	50	64595	17.88	ug/l	74
8) Bromomethane	1.559	94	25552	14.97	ug/l	84
9) Vinyl Chloride	1.343	62	49680	17.77	ug/l	94
10) Chloroethane	1.626	64	26291	13.00	ug/l	99
11) Trichlorofluoromethane	1.775	101	55268	19.20	ug/l	84
12) Ethyl ether	1.977	59	61921	18.49	ug/l	89
13) Furan	2.007	39	141130	14.95	ug/l	92
14) 1,1,2-Trichloro-1,2,2-...	2.125	101	37702	22.05	ug/l	93
15) Methylene Chloride	2.460	84	3091980	869.46	ug/l	80
16) Acrolein	2.066	56	42137	96.41	ug/l	91
17) Acrylonitrile	2.648	53	20437	15.90	ug/l	87
18) Iodomethane	2.244	142	80211	9.58	ug/l	91
19) Acetone	2.165	43	139925	156.07	ug/l	93
20) Carbon Disulfide	2.293	76	165137	16.80	ug/l	100
21) t-Butyl Alcohol	2.529	59	20577	74.80	ug/l	99
22) n-Hexane	2.855	57	67545	30.59	ug/l	70
23) Di-isopropyl-ether	3.013	45	214758	16.88	ug/l	95
24) 1,1-Dichloroethene	2.125	61	84214	16.44	ug/l	96
25) Methyl Acetate	2.391	43	167355	54.40	ug/l	100
26) Methyl-t-butyl ether	2.658	73	120566	16.61	ug/l	66
27) 1,1-Dichloroethane	2.973	63	112804	17.33	ug/l	98
28) trans-1,2-Dichloroethene	2.658	96	51732	16.67	ug/l	87
29) cis-1,2-Dichloroethene	3.428	61	92162	17.71	ug/l	83
30) Bromochloromethane	3.621	49	55435	16.08	ug/l	61
31) 2,2-Dichloropropane	3.428	77	73503	25.59	ug/l	92
32) Ethyl acetate	3.483	43	59519	15.78	ug/l	99
33) 1,4-Dioxane	4.716	88	25367	706.41	ug/l	74
34) 1,1-Dichloropropene	3.946	75	81155	19.18	ug/l	98
35) Chloroform	3.687	83	87495	17.10	ug/l	83
37) Cyclohexane	3.868	56	92902	23.95	ug/l	79
39) 1,2-Dichloroethane	4.108	62	77457	16.46	ug/l	95
40) 2-Butanone	3.440	43	28006	18.42	ug/l	89
41) 1,1,1-Trichloroethane	3.831	97	71488	18.45	ug/l	92
42) Carbon Tetrachloride	3.946	117	59283	19.90	ug/l	93
43) Vinyl Acetate	3.003	43	173853	13.22	ug/l	100
44) Bromodichloromethane	4.800	83	77252	16.32	ug/l	95
45) Methylcyclohexane	4.613	83	71593	23.10	ug/l	90
46) Dibromomethane	4.716	174	47279	16.01	ug/l	90
47) 1,2-Dichloropropane	4.644	63	73517	17.76	ug/l	97
48) Trichloroethene	4.499	130	60304	17.07	ug/l	93
49) Benzene	4.096	78	227763	17.31	ug/l	100
50) tert-Amyl methyl ether	4.156	73	141758	17.09	ug/l	74
52) Iso-propylacetate	4.132	43	175541	21.92	ug/l	89
53) Methyl methacrylate	4.692	41	53149	13.33	ug/l	82
54) Dibromochloromethane	5.738	129	61018	14.92	ug/l	86
55) 2-Chloroethylvinylether	4.968	63	41926	15.95	ug/l	77
56) cis-1,3-Dichloropropene	5.065	75	103984	16.92	ug/l	93
57) trans-1,3-Dichloropropene	5.389	75	86332	15.72	ug/l	92
58) Ethyl methacrylate	5.426	41	71944	16.25	ug/l	90
59) 1,1,2-Trichloroethane	5.498	97	60319	17.61	ug/l	91
60) 1,2-Dibromoethane	5.811	107	61144	15.86	ug/l	94
61) 1,3-Dichloropropane	5.600	76	106787	17.08	ug/l	95
62) 4-Methyl-2-Pentanone	5.149	43	78128	16.46	ug/l	83
63) 2-Hexanone	5.636	43	70893	20.51	ug/l	89
64) Tetrachloroethene	5.588	164	56115	17.34	ug/l	89
66) Toluene	5.263	92	159811	17.36	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.135	133	58035	17.41	ug/l	56

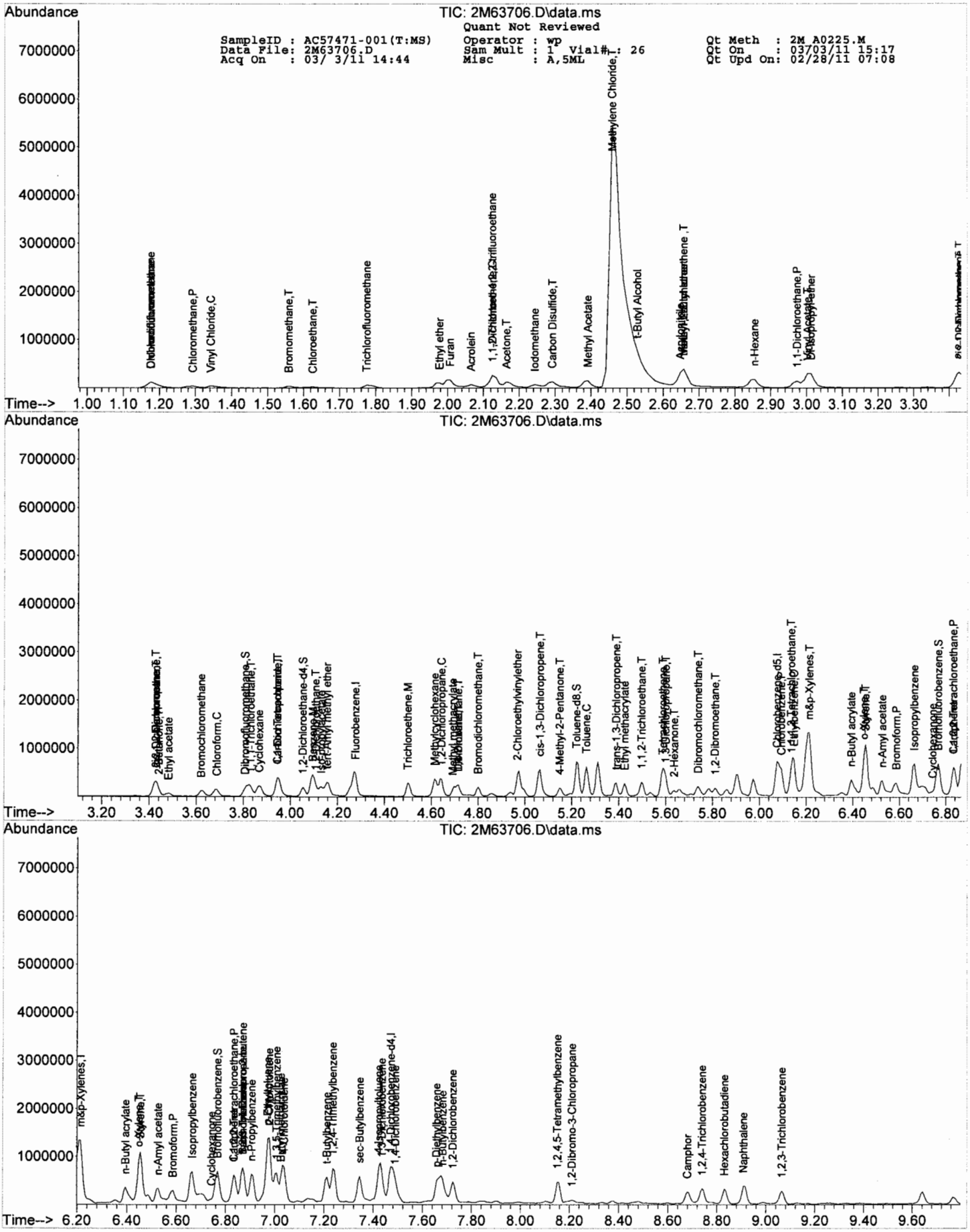
Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MS) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63706.D Sam Mult : 1 Vial# : 26 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 14:44 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.093	112	177682	16.99	ug/l	99
70)	n-Butyl acrylate	6.394	55	152148	16.69	ug/l	93
71)	n-Amyl acetate	6.526	43	137672	14.83	ug/l	93
72)	Bromoform	6.587	173	45067	13.13	ug/l	93
73)	Ethylbenzene	6.147	106	80936	23.09	ug/l	77
74)	1,1,2,2-Tetrachloroethane	6.833	83	84282	17.54	ug/l	88
76)	Styrene	6.454	104	192035	17.91	ug/l	92
77)	m&p-Xylenes	6.214	106	242633	40.79	ug/l	82
78)	o-Xylene	6.448	106	116858	19.30	ug/l	59
79)	trans-1,4-Dichloro-2-b...	6.869	53	20950	21.02	ug/l	47
80)	1,3-Dichlorobenzene	7.435	146	143116	17.21	ug/l	86
81)	1,4-Dichlorobenzene	7.489	146	148344	17.42	ug/l	92
82)	1,2-Dichlorobenzene	7.723	146	142764	17.73	ug/l	87
83)	Isopropylbenzene	6.665	105	264133	18.58	ug/l	90
84)	Cyclohexanone	6.743	55	8638	48.42	ug/l	83
85)	Camphene	6.833	93	76887	20.90	ug/l	90
86)	1,2,3-Trichloropropane	6.869	75	92137	16.12	ug/l	89
87)	2-Chlorotoluene	6.978	91	165524	16.31	ug/l	94
88)	p-Ethyltoluene	6.972	105	332293	20.98	ug/l	85
89)	4-Chlorotoluene	7.038	91	168915	18.47	ug/l	90
90)	n-Propylbenzene	6.905	91	343835	19.44	ug/l	93
91)	Bromobenzene	6.869	77	152755	21.02	ug/l	82
92)	1,3,5-Trimethylbenzene	7.008	105	237127	19.72	ug/l	85
93)	Butyl methacrylate	7.026	41	102820	14.08	ug/l	47
94)	t-Butylbenzene	7.212	119	219376	19.55	ug/l	79
95)	1,2,4-Trimethylbenzene	7.236	105	295434	23.87	ug/l	84
96)	sec-Butylbenzene	7.344	105	266469	19.33	ug/l	98
97)	4-Isopropyltoluene	7.423	119	221350	20.09	ug/l	85
98)	n-Butylbenzene	7.681	91	244467	20.61	ug/l	92
99)	p-Diethylbenzene	7.657	119	130179	20.52	ug/l	87
100)	1,2,4,5-Tetramethylben...	8.151	119	196910	18.72	ug/l	83
101)	1,2-Dibromo-3-Chloropr...	8.211	157	15314	13.78	ug/l	55
102)	Camphor	8.680	95	47457	129.27	ug/l	95
103)	Hexachlorobutadiene	8.830	225	61579	17.66	ug/l	95
104)	1,2,4-Trichlorobenzene	8.740	180	94828	17.06	ug/l	96
105)	1,2,3-Trichlorobenzene	9.065	180	77007	15.17	ug/l	96
106)	Naphthalene	8.908	128	249471	23.30	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : AC57471-001(T:MS)
Data File: 2M63706.D
Acq On : 03/ 3/11 14:44
Operator : wp
Sam Mult : 1 Vial#: 26
Misc : A,5ML
Qt Meth : 2M_A0225.M
Qt On : 03703/11 15:17
Qt Upd On: 02/28/11 07:08
Abundance
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MSD) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63707.D Sam Mult : 1 Vial# : 27 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 15:00 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.276	96	271574	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.075	117	232493	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.470	152	139609	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.813	111	68916	30.61	ug/l	-0.04
Spiked Amount 30.000			Recovery = 102.03%			
38) 1,2-Dichloroethane-d4	4.054	67	41089	28.80	ug/l	-0.04
Spiked Amount 30.000			Recovery = 96.00%			
65) Toluene-d8	5.227	98	309068	30.07	ug/l	-0.03
Spiked Amount 30.000			Recovery = 100.23%			
75) Bromofluorobenzene	6.767	174	123499	28.33	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.43%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.178	51	126087	23.47	ug/l	84
6) Dichlorodifluoromethane	1.162	85	60535	19.72	ug/l	91
7) Chloromethane	1.278	50	65849	19.55	ug/l	81
8) Bromomethane	1.561	94	26389	16.59	ug/l	86
9) Vinyl Chloride	1.345	62	47962	18.41	ug/l	93
10) Chloroethane	1.628	64	23715	12.30	ug/l	87
11) Trichlorofluoromethane	1.777	101	51768	19.29	ug/l	82
12) Ethyl ether	1.977	59	48834	15.65	ug/l	91
13) Furan	2.007	39	133308	15.15	ug/l	93
14) 1,1,2-Trichloro-1,2,2-...	2.125	101	37486	23.52	ug/l	94
15) Methylene Chloride	2.460	84	2898158	874.45	ug/l	78
16) Acrolein	2.066	56	41433	101.72	ug/l	94
17) Acrylonitrile	2.648	53	18761	15.66	ug/l	97
18) Iodomethane	2.243	142	79559	10.87	ug/l	95
19) Acetone	2.164	43	138949	166.30	ug/l	82
20) Carbon Disulfide	2.293	76	162305	17.72	ug/l	100
21) t-Butyl Alcohol	2.539	59	20760	80.98	ug/l	79
22) n-Hexane	2.855	57	59301	28.81	ug/l	69
23) Di-isopropyl-ether	3.012	45	218271	18.41	ug/l	91
24) 1,1-Dichloroethene	2.135	61	81858	17.15	ug/l	95
25) Methyl Acetate	2.391	43	158342	55.23	ug/l	100
26) Methyl-t-butyl ether	2.657	73	115177	17.03	ug/l	68
27) 1,1-Dichloroethane	2.973	63	107676	17.75	ug/l	97
28) trans-1,2-Dichloroethene	2.657	96	53435	18.48	ug/l	96
29) cis-1,2-Dichloroethene	3.428	61	87809	18.11	ug/l	91
30) Bromochloromethane	3.627	49	51291	15.96	ug/l	80
31) 2,2-Dichloropropane	3.428	77	71437	26.69	ug/l	97
32) Ethyl acetate	3.482	43	59457	16.91	ug/l	99
33) 1,4-Dioxane	4.715	88	25062	748.87	ug/l	78
34) 1,1-Dichloropropene	3.945	75	75740	19.20	ug/l	95
35) Chloroform	3.687	83	86656	18.17	ug/l	81
37) Cyclohexane	3.873	56	80822	22.35	ug/l	88
39) 1,2-Dichloroethane	4.108	62	70464	16.07	ug/l	95
40) 2-Butanone	3.440	43	29834	21.06	ug/l	99
41) 1,1,1-Trichloroethane	3.831	97	68802	19.06	ug/l	91
42) Carbon Tetrachloride	3.945	117	57324	20.65	ug/l	88
43) Vinyl Acetate	3.002	43	167223	13.65	ug/l	100
44) Bromodichloromethane	4.800	83	76684	17.38	ug/l	92
45) Methylcyclohexane	4.619	83	67969	23.53	ug/l	96
46) Dibromomethane	4.709	174	47527	17.27	ug/l	90
47) 1,2-Dichloropropane	4.637	63	72286	18.73	ug/l	93
48) Trichloroethene	4.505	130	59953	18.21	ug/l	94
49) Benzene	4.096	78	216300	17.64	ug/l	100
50) tert-Amyl methyl ether	4.162	73	134096	17.35	ug/l	76
52) Iso-propylacetate	4.132	43	119156	15.80	ug/l	78
53) Methyl methacrylate	4.697	41	61843	16.47	ug/l	94
54) Dibromochloromethane	5.738	129	64237	16.68	ug/l	93
55) 2-Chloroethylvinylether	4.968	63	38936	15.73	ug/l	76
56) cis-1,3-Dichloropropene	5.064	75	97627	16.87	ug/l	98
57) trans-1,3-Dichloropropene	5.389	75	86573	16.74	ug/l	98
58) Ethyl methacrylate	5.425	41	69722	16.73	ug/l	80
59) 1,1,2-Trichloroethane	5.497	97	54182	16.80	ug/l	82
60) 1,2-Dibromoethane	5.810	107	62124	17.11	ug/l	96
61) 1,3-Dichloropropane	5.600	76	101639	17.27	ug/l	99
62) 4-Methyl-2-Pentanone	5.149	43	74041	16.57	ug/l	93
63) 2-Hexanone	5.636	43	50725	15.59	ug/l	86
64) Tetrachloroethene	5.588	164	55931	18.36	ug/l	95
66) Toluene	5.263	92	153154	17.67	ug/l	97
67) 1,1,1,2-Tetrachloroethane	6.135	133	58706	18.70	ug/l	56

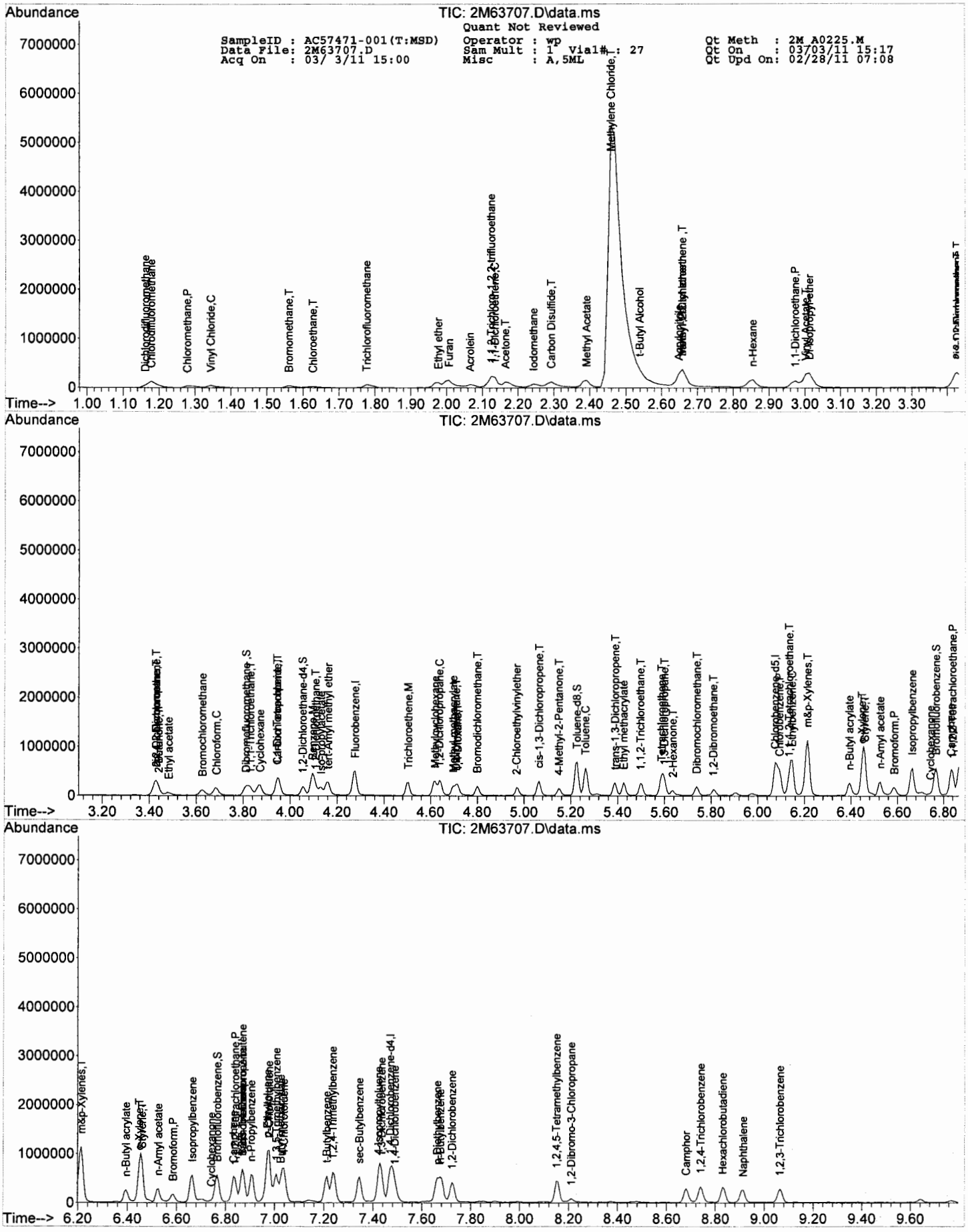
Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MSD) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63707.D Sam Mult : 1 Vial# : 27 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 15:00 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.093	112	173388	17.61	ug/l	93
70)	n-Butyl acrylate	6.394	55	128024	14.57	ug/l	99
71)	n-Amyl acetate	6.526	43	136031	15.20	ug/l	92
72)	Bromoform	6.586	173	49165	14.86	ug/l	97
73)	Ethylbenzene	6.147	106	80576	23.85	ug/l	75
74)	1,1,2,2-Tetrachloroethane	6.839	83	78861	17.02	ug/l	93
76)	Styrene	6.460	104	182706	17.67	ug/l	82
77)	m&p-Xylenes	6.213	106	228687	39.88	ug/l	77
78)	o-Xylene	6.448	106	109328	18.73	ug/l	70
79)	trans-1,4-Dichloro-2-b...	6.869	53	18806	19.58	ug/l	28
80)	1,3-Dichlorobenzene	7.434	146	140712	17.55	ug/l	86
81)	1,4-Dichlorobenzene	7.489	146	145148	17.68	ug/l	93
82)	1,2-Dichlorobenzene	7.723	146	140733	18.13	ug/l	85
83)	Isopropylbenzene	6.664	105	249625	18.22	ug/l	91
84)	Cyclohexanone	6.743	55	12417	72.21	ug/l	86
85)	Camphene	6.833	93	75931	21.41	ug/l	96
86)	1,2,3-Trichloropropane	6.869	75	92838	16.85	ug/l	85
87)	2-Chlorotoluene	6.977	91	172520	17.63	ug/l	93
88)	p-Ethyltoluene	6.971	105	301963	19.78	ug/l	85
89)	4-Chlorotoluene	7.037	91	166080	18.84	ug/l	89
90)	n-Propylbenzene	6.905	91	326760	19.17	ug/l	93
91)	Bromobenzene	6.869	77	148147	21.15	ug/l	83
92)	1,3,5-Trimethylbenzene	7.007	105	225467	19.45	ug/l	85
93)	Butyl methacrylate	7.025	41	98497	13.99	ug/l	46
94)	t-Butylbenzene	7.212	119	212989	19.69	ug/l	77
95)	1,2,4-Trimethylbenzene	7.236	105	261776	21.94	ug/l	84
96)	sec-Butylbenzene	7.344	105	263697	19.85	ug/l	97
97)	4-Isopropyltoluene	7.422	119	216905	20.42	ug/l	88
98)	n-Butylbenzene	7.675	91	234335	20.49	ug/l	93
99)	p-Diethylbenzene	7.663	119	118658	19.40	ug/l	87
100)	1,2,4,5-Tetramethylben...	8.150	119	200589	19.78	ug/l	91
101)	1,2-Dibromo-3-Chloropr...	8.210	157	15402	14.37	ug/l	53
102)	Camphor	8.680	95	54964	155.32	ug/l	90
103)	Hexachlorobutadiene	8.830	225	62574	18.61	ug/l	92
104)	1,2,4-Trichlorobenzene	8.740	180	95019	17.73	ug/l	95
105)	1,2,3-Trichlorobenzene	9.065	180	81592	16.68	ug/l	96
106)	Naphthalene	8.914	128	174345	16.89	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 2M63707.D\data.ms
Quant Not Reviewed
SampleID : AC57471-001(T:MSD)
Data File: 2M63707.D
Acq On : 03/ 3/11 15:00
Operator : wp
Sam Mult : 1
Misc : A,5ML
vial# : 27
Qt Meth : 2M_A0225.M
Qt On : 03703/11 15:17
Qt Upd On: 02/28/11 07:08
Time-->

SPLP
GC/MS Volatile Data
Logbook Data

0357

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Hampton-Clarke/Veritech

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF1V-107011	33	20	20	EF1V 107011	500ml	2-3	12:00	2-4	0745	T	SW/RQ			
2-3-11 S7067-004 AC SW ~~S7064-004~~	20	20	20		25g/500ml									
AC S7067-005	29	20	20											
AC S7065-001	21	20	19											
AC S7067-002	5	20	19											
AC S7082-003	19	20	20											
~~AC S7082-005~~	~~26~~	~~20~~	~~20~~											
AC R.Q 2/14/11														Can NOT Filter Taking out for Tumbling. Will have to do VOA Directly DI = 4.57pH
EF3V-1014 DI H_2O	32	~~20~~	20	EF3V-1014	500ml	2-10 ~~2-7~~ RQ 2/9	10:00	2-11 ~~2-8~~ RQ 2/9	10:00	RQ 2/11 TS	SW	JE		
AC S7097-001	29	20	20		25g/500ml									
AC S7099-001	26	20	20		1							D		
EF3V-1014	32	20	20	1014 EF3V-	500mL	2-11	10:10	2-12	10:00	S	SW/KR			RQ 2/11
AC S7097-002 RQ 2/14/11	29	20	20		25g/500ml									DI = ~~4~~ 6.53
AC S7099-002	26	20	20		1									

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

Hampton-Clarke/Veritech

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-12	10:10	2-13	10:00	S	KR/KR			DI H_2O = 6.08
AC57097-003	29	20	19	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-003	26	20	19	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-13	10:10	2-14	10:00	S	KR/sw	✓		DI H_2O = 6.86
AC57097-004	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-004	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-14	10:10	2-15	10:00	S	SW			DI H_2O = 6.92
AC57097-005	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-005	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-15	10:10	2-16	10:00	S	SW			DI H_2O = 6.84
AC57097-006	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-006	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓	✓		

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

Hampton-Clarke/Veritech

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-16	10:10	2-17	10:00	S	SW	RS		pH DI = 6.99
AC57097-007	29	"	20	"	25g/500ml	"	"	"	"	"	"	"		
AC57099-007	26	"	20	"	"	"	"	"	"	"	"	"		
EF-3 V-1014	32	~~20~~ RQ 21	20	DI H_2O EF-3 V-1014	500ml	2-17	10:10	2-18	10:00	S	SW	RS		pH DI = 7.06
AC57097-008	29	20	20	"	25g/500ml	"	"	"	"	"	"	"		
AC57099-008	26	20	20	"	"	"	"	"	"	"	"	"		
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-18	10:10	2-19	10:00	S	KR/SW			pH DI = 8.16
AC57097-009	29	20	19	"	25g/500ml	"	"	"	"	"	"			
AC57099-009	26	20	20	"	"	"	"	"	"	"	"			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-19	10:10	2-20	10:00	S	KR			pH DI = 7.27
AC57097-010	29	20	20	"	25g/500ml	"	"	"	"	"	"			
AC57099-010	26	20	20	"	"	"	"	"	"	"	"			

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

0360

Hampton-Clarke/Veritech

BB35

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-24	10:10	2-25	10:00	S	SW	FO		pH= 7.04
AC57097-015	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓	↓		
AC57099-015	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓	↓		
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-25	10:10	2-26	10:00	S	SW/KR			
AC57097-016	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-016	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-26	10:10	2-27	10:00	S	KR			
AC57097-017	29	19	19	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-017	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-27	10:10	2-28	10:00	S	KR/SW	FO		
AC57097-018	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓	↓		
AC57099-018	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓	↓		

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

0361

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Hampton-Clarke/Veritech

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-28	10:10	3-1	10:00	S	T SW	I		RQ 3/1/11 7.21
AC57097-019	29	20	20	↓	25g/500ml	↓	|	↓	|	|	SW			PH= 7.05
AC57099-019	26	20	20	↓	↓	↓	|	↓	|	|	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	3-1	10:10	3-2	10:00	S	SW	FF		PH= 7.45
AC57097-020	29	20	20	↓	25g/500ml	↓	|	↓	|	↓	↓	I		
AC57099-020	26	20	20	↓	↓	↓	|	↓	|	↓	↓			

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M
** Initials of person taking custody of extractions

RUN LOG

Instrument: GCMS_6 Year: 2001 362
Analyst: WP

1-1-6M65279

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65279.	BFB TUNE		V-106304,V-95161,V-107388	WP						02/02 09:25
6M65280.	BLK	IsCnAnc	-	WP		Aqueous	1	1	624 8260	02/02 09:36
6M65281.	CAL @ 1 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 09:52
6M65282.	CAL @ 0.5 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 10:09
6M65283.	CAL @ 5 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 10:25
6M65284.	CAL @ 500 PPB	Oc	B-9600	WP		Aqueous	1	1	624 8260	02/02 10:48
6M65285.	CAL @ 250 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:06
6M65286.	CAL @ 100 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:22
6M65287.	CAL @ 50 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:40
6M65288.	CAL @ 20 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:56
6M65289.	CAL @ 10 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 12:13
6M65290.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 12:29
6M65291.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/02 12:46
6M65292.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/02 13:02
6M65293.	ICV	Ivo	V-107437	WP		Aqueous	1	1	624 8260	02/02 13:30
6M65294.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 13:46
6M65295.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/02 14:05
6M65296.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/02 14:21
6M65297.	MBS5772		OK MBS5772	WP		Methano	1	1	8260	02/02 14:37
6M65298.	MBS5774		OK MBS5774	WP		Aqueous	1	1	624 8260	02/02 14:54
6M65299.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 15:10
6M65300.	20ppb(1/31)		-	WP		Aqueous	1	1	624 8260	02/02 15:26
6M65301.	20ppb(2/1)		-	WP		Aqueous	1	2	624 8260	02/02 15:45
6M65302.	20ppb(2/1)		-	WP		Aqueous	1	2	624 8260	02/02 16:01
6M65303.	AC57073-002		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 16:22
6M65304.	AC57073-005		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 16:38
6M65305.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 16:55
6M65306.	AC57073-009		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 17:11
6M65307.	AC57073-008		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 17:27
6M65308.	AC57073-007		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 17:44
6M65309.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/03 07:01

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing ddf or endop
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calinit.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepruncla	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-3M87517

Instrument: GCMS_3 Year: 0363
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M87517.	BFB TUNE		V-106304,V-95161,V-107817	WP						02/09 09:13
3M87518.	BLK	IsCnAnc	-	WP		Aqueous	1	1	624 8260	02/09 09:23
3M87519.	CAL @ 1 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 09:40
3M87520.	CAL @ 0.5 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 09:59
3M87521.	CAL @ 5 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 10:18
3M87522.	CAL @ 500 PPB	Oc	B-9635	WP		Aqueous	1	1	624 8260	02/09 10:35
3M87523.	CAL @ 250 PPB	Oc	B-9635	WP		Aqueous	1	1	624 8260	02/09 10:52
3M87524.	CAL @ 100 PPB	Oc	B-9635	WP		Aqueous	1	1	624 8260	02/09 11:08
3M87525.	CAL @ 50 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 11:25
3M87526.	CAL @ 20 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 11:41
3M87527.	CAL @ 10 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 11:58
3M87528.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 12:15
3M87529.	ICV	Ivo	V-107828	WP		Aqueous	1	1	624 8260	02/09 12:31
3M87530.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/09 12:48
3M87531.	DAILY BLANK		-,OK	WP		Aqueous	1	1	624 8260	02/09 13:04
3M87532.	DAILY BLANK		-,OK	WP		Methano	1	1	8260	02/09 13:21
3M87533.	1 PPB		-	WP		Aqueous	1	1	624 8260	02/09 13:38
3M87534.	MBS5983		OK MBS5983	WP		Aqueous	1	1	624 8260	02/09 13:54
3M87535.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 14:11
3M87536.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 14:27
3M87537.	MBS5993		- MBS5993	WP		Aqueous	1	1	624 8260	02/09 14:44
3M87538.	57040-001	Oc	-	WP		Aqueous	1	1	624 8260	02/09 15:01
3M87539.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/09 15:17
3M87540.	AC57040-001(50X)		OK MBS5983	WP	VO10-8260	Aqueous	1	50	8260	02/09 15:37
3M87541.	AC57040-002(50X)(MS		OK MBS5983	WP	VO10-8260	Aqueous	1	50	624 8260	02/09 15:58
3M87542.	AC57040-003(50X)(MS		OK MBS5983	WP	VO10-8260	Aqueous	1	50	624 8260	02/09 16:20
3M87543.	20 PPB		- MBS5987	WP		Methano	1	40	8260	02/09 16:40
3M87544.	MBS5988		OK MBS5988	WP		Aqueous	1	1	624 8260	02/09 16:57
3M87545.	57180-001	Oc	RR-80uL	WP		Methano	1	1.399	8260	02/09 17:14
3M87546.	57180-004		RR-5G	WP		Methano	1	1.399	8260	02/09 17:30
3M87547.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 17:47
3M87548.	AC57171-011		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:04
3M87549.	AC57171-012		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:20
3M87550.	AC57171-013		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:37
3M87551.	AC57182-004		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:54
3M87552.	AC57171-001		OK	WP	VO10-624	Aqueous	1	1	624	02/09 19:10
3M87553.	AC57171-002	S6Ao	RR-1X	WP	VO10-624	Aqueous	1	1	624	02/09 19:26
3M87554.	AC57171-003		OK MBS5991	WP	VO10-624	Aqueous	1	1	624	02/09 19:43
3M87555.	AC57171-004		OK	WP	VO10-624	Aqueous	1	1	624	02/09 19:59
3M87556.	AC57171-005		OK MBS6022	WP	VO10-624	Aqueous	1	1	624	02/09 20:16
3M87557.	AC57080-001(MS)		OK MBS5988	WP	VOBTEX-624	Aqueous	1	1	624 8260	02/09 20:33
3M87558.	AC57080-001(MSD)		OK MBS5988	WP	VOBTEX-624	Aqueous	1	1	624 8260	02/09 20:49
3M87559.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 21:06
3M87560.	AC57171-007		OK	WP	VO10-624	Aqueous	1	1	624	02/09 21:22
3M87561.	AC57171-008		OK	WP	VO10-624	Aqueous	1	1	624	02/09 21:38
3M87562.	AC57171-009		OK	WP	VO10-624	Aqueous	1	1	624	02/09 21:55
3M87563.	AC57171-010		OK MBS6009	WP	VO10-624	Aqueous	1	1	624	02/09 22:11
3M87564.	AC57171-014		OK	WP	VO10-624	Aqueous	1	1	624	02/09 22:27
3M87565.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/09 22:44
3M87566.	AC57182-001		OK	WP	VO10-624	Aqueous	1	1	624	02/09 23:00
3M87567.	AC57182-002(50X)		RR-1X ,dirty	WP	VO10-624	Aqueous	1	50	624	02/09 23:19
3M87568.	AC57182-003(50X)		RR-1X ,dirty	WP	VO10-624	Aqueous	1	50	624	02/09 23:41
3M87569.	AC57171-006(50X)		RR-1X	WP	VO10-624	Aqueous	1	50	624	02/10 00:02
3M87570.	MBS5989	Ti8	- MBS5989	WP		Aqueous	1	1	624 8260	02/10 00:21
3M87571.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 00:37
3M87572.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 00:53
3M87573.	BLK	S6S8Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:10
3M87574.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:27
3M87575.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:43
3M87576.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:59
3M87577.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 02:16
3M87578.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 02:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Eto	Tplo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for aob
B8m	Blank 8000 series missing	Eto	Tplo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing drft or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning .ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/nuddates modcheckprepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-6M65415

Instrument: GCMS_6 Year: 2011
Analyst: SC

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65415.	BFB TUNE		V-106304,V-108116,V-95161,V-107817	DB						02/11 09:41
6M65416.	20 PPB	CnAnc	-	DB		Aqueous	1	1	624 8260	02/11 09:57
6M65417.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	02/11 10:15
6M65418.	BLKHCL		-	DB		Aqueous	1	1	624 8260	02/11 10:38
6M65419.	DAILY BLANK		OK	DB		Methano	1	1	8260	02/11 10:55
6M65420.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	02/11 11:11
6M65421.	MBS6005		OK MBS6005	DB		Methano	1	1	8260	02/11 11:28
6M65422.	MBS6006		OK MBS6006	DB		Aqueous	1	1	624 8260	02/11 11:44
6M65423.	BLKJUG2		-	DB		Aqueous	1	1	624 8260	02/11 12:02
6M65424.	AC57228-004		RR-5g	DB	VO10-8260	Methano	1	1	8260	02/11 12:18
6M65425.	AC57228-005		RR-5g MBS6013	DB	VO10-8260	Methano	1	1	8260	02/11 12:35
6M65426.	AC57229-001	Oc	RR-80uL	DB	VO10-8260	Methano	1	1	8260	02/11 12:51
6M65427.	AC57229-002		OK	DB	VO10-8260	Methano	1	1	8260	02/11 13:07
6M65428.	AC57232-003		OK	DB	VO-PA-FO82	Methano	1	1	8260	02/11 13:24
6M65429.	AC57232-007		RR-5g	DB	VO-PA-FO82	Methano	1	1	8260	02/11 13:40
6M65430.	AC57232-008		RR-5g	DB	VO-PA-FO82	Methano	1	1	8260	02/11 13:57
6M65431.	AC57232-009		RR-5g	DB	VO-PA-FO82	Methano	1	1	8260	02/11 14:13
6M65432.	AC57199-001		OK	DB	VO10-8260	Methano	1	1	8260	02/11 14:29
6M65433.	BLK		-	DB		Aqueous	1	1	624 8260	02/11 14:46
6M65434.	AC57205-019		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:02
6M65435.	AC57205-020		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:19
6M65436.	AC57205-021		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:35
6M65437.	AC57205-022		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:51
6M65438.	AC57224-003		RR-5g	DB	VO10-8260	Methano	1	1	8260	02/11 16:14
6M65439.	AC57224-004		RR-5g	DB	VO10-8260	Methano	1	1	8260	02/11 16:30
6M65440.	AC57205-023		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 16:47
6M65441.	AC57205-024		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 17:03
6M65442.	AC57205-025		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 17:19
6M65443.	AC57205-026		OK MBS6014	DB	VO-8260	Aqueous	1	1	8260	02/11 17:36
6M65444.	AC57205-016		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 17:52
6M65445.	AC57205-015		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 18:11
6M65446.	AC57097-001(T)		OK	DB	VOSPLP-826	Aqueous	1	1	8260	02/11 18:27
6M65447.	AC57099-001(T)		OK	DB	VOSPLP-826	Aqueous	1	1	8260	02/11 18:44
6M65448.	EF-3-1014(2/11/11)		OK	DB		Aqueous	1	2	8260	02/11 19:00
6M65449.	AC57199-002		OK	DB	VO10-8260	Methano	1	1	8260	02/11 19:16
6M65450.	AC57216-001		OK	DB	VO10-8260	Aqueous	1	1	8260	02/11 19:33
6M65451.	AC57229-001(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	02/11 19:49
6M65452.	AC57232-001		OK	DB	VO-PA-FO82	Methano	1	1	8260	02/11 20:05
6M65453.	AC57232-002(400uL)		OK	DB	VO-PA-FO82	Methano	1	2	8260	02/11 20:22
6M65454.	EF-1-V-107674(021111		OK	DB		Aqueous	1	2111	8260	02/11 20:38
6M65455.	57224-007(80uL)		-	DB		Methano	1	10	8260	02/11 20:54
6M65456.	57224-008		-	DB		Methano	1	1.398	8260	02/11 21:11
6M65457.	BLK		-	DB		Aqueous	1	1	624 8260	02/11 21:27
6M65458.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	02/11 21:43

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Crn	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evm	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Ix	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrop Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emn	Problem Checking Prep/rundates modcheckpreprundate	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-6M65519

Instrument: GCMS_6 Year: 2000365
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65519.	BFB TUNE		V-106304,V-95161,V-107817,V-108428	WP						02/15 12:42
6M65520.	BLK	CnAnc	-	WP		Aqueous	1	1	624 8260	02/15 12:58
6M65521.	20 PPB	CnAnc	-	WP		Aqueous	1	1	624 8260	02/15 13:16
6M65522.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/15 13:38
6M65523.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 13:55
6M65524.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/15 14:19
6M65525.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/15 14:36
6M65526.	MBS6023	S8	- MBS6023	WP		Methano	1	1	8260	02/15 14:56
6M65527.	MBS6024		OK MBS6024	WP		Aqueous	1	1	624 8260	02/15 15:18
6M65528.	MBS6025	S8	- MBS6025	WP		Methano	1	1	8260	02/15 15:34
6M65529.	AC57241-001(MS)		OK MBS6026	WP	VO10-8260	Methano	1	1	8260	02/15 15:50
6M65530.	AC57241-001(MSD)		OK MBS6026	WP	VO10-8260	Methano	1	1	8260	02/15 16:07
6M65531.	MBS6026		OK MBS6026	WP		Methano	1	1	8260	02/15 16:23
6M65532.	AC57213-001		OK MBS6024	WP	VO10-624	Aqueous	1	1	624	02/15 16:40
6M65533.	AC57270-001		OK	WP	VO-624	Aqueous	1	1	624	02/15 16:56
6M65534.	AC57274-001		OK	WP	VO-PAGAS82	Aqueous	1	1	8260	02/15 17:12
6M65535.	AC57273-001		OK	WP	VO-PA-FO82	Aqueous	1	1	8260	02/15 17:29
6M65536.	AC57213-001(MS)		OK MBS6024	WP	VO10-624	Aqueous	1	1	624 8260	02/15 17:45
6M65537.	AC57213-001(MSD)		OK MBS6024	WP	VO10-624	Aqueous	1	1	624 8260	02/15 18:02
6M65538.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 18:18
6M65539.	AC57213-003		OK	WP	VO10-624	Aqueous	1	1	624	02/15 18:34
6M65540.	AC57213-002		OK	WP	VO10-624	Aqueous	1	1	624	02/15 18:51
6M65541.	AC57099-004(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/15 19:07
6M65542.	AC57097-004(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/15 19:23
6M65543.	AC57099-005(T)		OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/15 19:40
6M65544.	EF-3-1014(2/15/11)		OK	WP		Aqueous	1	2	8260	02/15 19:56
6M65545.	EF-3-VO-SPLPMONOL		OK	WP		Aqueous	1	2141	8260	02/15 20:13
6M65546.	AC57097-005(T)		OK MBS6063	WP	VOSPLP-826	Aqueous	1	1	8260	02/15 20:29
6M65547.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 20:45
6M65548.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 21:02
6M65549.	524INTTEST	S6S8Ao	-	WP		Aqueous	1	1	624 8260	02/15 21:18

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepcrunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_6 Year: 2011 00366
Analyst: WP

1-1-6M65639

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65639.	BFB TUNE		V-106304,V-95161,V-107817,V-108738	WP						02/18 16:32
6M65640.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/18 16:42
6M65641.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/18 17:00
6M65642.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/18 17:16
6M65643.	MBS6063		OK MBS6063	WP		Aqueous	1	1	624 8260	02/18 17:33
6M65644.	MBS6064		OK MBS6064	WP		Methano	1	1	8260	02/18 17:49
6M65645.	AC57263-001(T)	S8	RR-1X	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:05
6M65646.	AC57198-002(T)	S8	RR-1X	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:22
6M65647.	AC57263-001(T)	S8	2ND RUN	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:40
6M65648.	AC57198-002(T)	S8	2ND RUN	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:57
6M65649.	AC57097-005(T:MS)	M16	OK MBS6063	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/18 19:13
6M65650.	AC57097-005(T:MSD)	R16M16	OK MBS6063	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/18 19:30
6M65651.	EF-1-V-108537(021811	S8	RR-1X	WP		Aqueous	1	2181	8260	02/18 19:46
6M65652.	EF-3-V-1014(021711)		OK	WP		Aqueous	1	2171	8260	02/18 20:02
6M65653.	AC57294-001(40uL)		OK	WP	VO10-8260	Methano	1	20	8260	02/18 20:19
6M65654.	EF-3-V-1014(021611)		OK	WP		Aqueous	1	2161	8260	02/18 20:35
6M65655.	AC57298-005(80uL)		OK	WP	VO-8260	Methano	1	10	8260	02/18 20:52
6M65656.	EF-3-V-1014(021811)		OK	WP		Aqueous	1	2181	8260	02/18 21:08
6M65657.	AC57099-006(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/18 21:24
6M65658.	AC57099-007(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/18 21:41
6M65659.	AC57099-008(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/18 21:57
6M65660.	BLK		-	WP		Aqueous	1	1	624 8260	02/18 22:14
6M65661.	AC57312-002		OK	WP	VO10-624	Aqueous	1	1	624	02/18 22:30
6M65662.	AC57312-003		OK	WP	VO10-624	Aqueous	1	1	624	02/18 22:46
6M65663.	AC57312-004		OK	WP	VO10-624	Aqueous	1	1	624	02/18 23:03
6M65664.	AC57312-005		OK	WP	VO10-624	Aqueous	1	1	624	02/18 23:19
6M65665.	AC57312-006		RR-1X	WP	VO10-624	Aqueous	1	1	624	02/18 23:35
6M65666.	AC57312-007		OK	WP	VO10-624	Aqueous	1	1	624	02/18 23:52
6M65667.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 07:36
6M65668.	AC57300-001		OK	WP	VO10-624	Aqueous	1	1	624	02/19 07:53
6M65669.	AC57300-002		OK	WP	VO10-624	Aqueous	1	1	624	02/19 08:12
6M65670.	AC57300-003	Oc	RR-10X	WP	VO10-624	Aqueous	1	1	624	02/19 08:29
6M65671.	AC57300-005		RR-1X	WP	VO10-624	Aqueous	1	1	624	02/19 08:45
6M65672.	AC57300-008		OK	WP	VO10-624	Aqueous	1	1	624	02/19 09:01
6M65673.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 09:18
6M65674.	AC57332-001		OK	WP	VO10-624	Aqueous	1	1	624	02/19 09:34
6M65675.	MBS6067	Ti8	- MBS6067	WP		Aqueous	1	1	624 8260	02/19 09:50
6M65676.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:07
6M65677.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:23
6M65678.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:39
6M65679.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:56

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have oassino cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have oassino cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missino for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M18a M18b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Preo/rundates modcheckpreqound	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_3 Year: 0367
Analyst: WP

1-1-3M88068

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88068.	BFB TUNE		V-106304,V-95161,V-107817,V-108854	WP						02/22 09:55
3M88069.	20 PPB	CnB6mAnc	-	WP		Aqueous	1	1	624 8260	02/22 10:05
3M88070.	CAL @ 20 PPB	C16	OK,8260 ONLY	WP		Aqueous	1	1	624 8260	02/22 10:25
3M88071.	BLKJUG2	C6fB6m	-	WP		Aqueous	1	1	624 8260	02/22 11:27
3M88072.	STDTEST		-	WP		Methano	1	1	8260	02/22 11:05
3M88073.	DAILY BLANK	C6f	OK	WP		Aqueous	1	1	624 8260	02/22 12:01
3M88074.	MBS6079	C6f	OK MBS6079	WP		Aqueous	1	1	624 8260	02/22 12:17
3M88075.	MBS6080		- MBS6080	WP		Methano	1	1	8260	02/22 12:34
3M88076.	AC57097-009(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 12:50
3M88077.	AC57097-010(T)		OK MBS6079	WP	VOSPLP-826	Aqueous	1	1	8260	02/22 13:07
3M88078.	AC57097-011(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 13:23
3M88079.	AC57099-009(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 13:40
3M88080.	AC57099-010(T)	Oc	OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/22 13:57
3M88081.	AC57099-011(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 14:13
3M88082.	EF-3-V-1014#9(021911		OK	WP		Aqueous	1	2191	8260	02/22 14:30
3M88083.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/22 14:46
3M88084.	MBS6081		OK MBS6081	WP		Methano	1	1	8260	02/22 15:03
3M88085.	EF-3-V-1014#10(02201		OK	WP		Aqueous	1	2201	8260	02/22 15:20
3M88086.	AC57375-001	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/22 15:36
3M88087.	AC57375-002		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/22 15:53
3M88088.	AC57375-003		RR-5G,dirty	WP	VO10-8260	Methano	1	1	8260	02/22 16:09
3M88089.	AC57375-006		OK	WP	VO10-8260	Methano	1	1	8260	02/22 16:26
3M88090.	AC57375-008		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/22 16:42
3M88091.	AC57375-010	Oc	OK	WP	VO10-8260	Methano	1	1	8260	02/22 16:59
3M88092.	AC57375-011		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/22 17:15
3M88093.	EF-3-V-1014#11(02211		OK	WP		Aqueous	1	2211	8260	02/22 17:32
3M88094.	AC57372-001(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/22 17:51
3M88095.	AC57375-012(80uL)		RR-400uL,dirty	WP	VO10-8260	Methano	1	10	8260	02/22 18:14
3M88096.	AC57375-005(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/22 18:36
3M88097.	AC57375-007(80uL)		RR-800uL	WP	VO10-8260	Methano	1	10	8260	02/22 18:58
3M88098.	AC57375-009(80uL)	Oc	OK	WP	VO10-8260	Methano	1	10	8260	02/22 19:19
3M88099.	AC57375-004(80uL)	Oc	RR-40uL	WP	VO10-8260	Methano	1	10	8260	02/22 19:41
3M88100.	AC57375-013(80uL)	Oc	RR-40uL	WP	VO10-8260	Methano	1	10	8260	02/22 20:02
3M88101.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 20:22
3M88102.	AC57097-010(T;MS)	C6fM16	OK MBS6079	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/22 20:38
3M88103.	AC57097-010(T;MSD)	C6fM16	OK MBS6079	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/22 20:55
3M88104.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 21:11
3M88105.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 21:28
3M88106.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 21:44
3M88107.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:01
3M88108.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:17
3M88109.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:33
3M88110.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:50
3M88111.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 23:07

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emo	Problem Checking Prep/nundates modcheckorepnunda
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tcln/Solvent Extraction Date Missing/Not check'd
Eto	Tcln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for init calibration chek rfs
Iw	Initial cal warning ..Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a samol
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20 ... not checked
Cro	C30/C20 failed for eob
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or endon
R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-2M63418

Instrument: GCMS_2 Year: 0368
Analyst: DB

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M63418.	BFB TUNE		V-106304,V-95161,V-109130	WP						02/25 06:00
2M63419.	BLK	IsCnAnc	-	DB		Aqueous	1	1	624 8260	02/25 06:16
2M63421.	CAL @ 1 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 07:55
2M63422.	CAL @ 0.5 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 08:13
2M63423.	CAL @ 5 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 08:31
2M63424.	CAL @ 500 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 08:47
2M63425.	CAL @ 250 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 09:02
2M63426.	CAL @ 100 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 09:18
2M63427.	CAL @ 50 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 09:34
2M63428.	CAL @ 20 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 09:50
2M63429.	CAL @ 10 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 10:06
2M63430.	ICV	Ivo	V-109313	WP		Aqueous	1	1	624 8260	02/25 10:22
2M63431.	BLK		-	DB		Aqueous	1	1	624 8260	02/25 11:00
2M63432.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	02/25 11:16
2M63433.	DAILY BLANK		OK	DB		Methano	1	1	8260	02/25 11:32
2M63434.	MBS6137		OK MBS6137	DB		Aqueous	1	1	624 8260	02/25 11:48
2M63435.	BLK		-	DB		Aqueous	1	1	624 8260	02/25 12:03
2M63436.	MBS6218		OK MBS6218	DB		Methano	1	1	8260	02/25 12:19
2M63437.	MBS6219		OK MBS6219	DB		Methano	1	1	8260	02/25 12:35
2M63438.	MBS6220		OK MBS6220	DB		Methano	1	1	8260	02/25 12:51
2M63439.	MBS6221		OK MBS6221	DB		Methano	1	1	8260	02/25 13:07
2M63440.	MBS6222		OK MBS6222	DB		Methano	1	1	8260	02/25 13:22
2M63441.	MBS6223		OK MBS6223	DB		Methano	1	1	8260	02/25 13:38
2M63442.	MBS6224		OK MBS6224	DB		Methano	1	1	8260	02/25 13:54
2M63443.	MBS6225		OK MBS6225	DB		Methano	1	1	8260	02/25 14:10
2M63444.	BLK		-	DB		Aqueous	1	1	624 8260	02/25 14:26
2M63445.	AC57458-001		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 14:42
2M63446.	AC57458-002		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 14:57
2M63447.	AC57458-003		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 15:13
2M63448.	AC57458-004		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 15:29
2M63449.	AC57458-005		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 15:45
2M63450.	BLK		-	WP		Aqueous	1	1	624 8260	02/25 16:19
2M63451.	AC57476-001		OK	WP	VO-8260	Aqueous	1	1	8260	02/25 16:43
2M63452.	AC57476-002		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 16:59
2M63453.	AC57476-003		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 17:15
2M63454.	AC57476-004		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 17:31
2M63455.	AC57476-005		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 17:46
2M63456.	AC57476-006	Ti8	RR-1X	DB	VO-8260	Aqueous	1	1	8260	02/25 18:02
2M63457.	AC57476-007	Ti8	RR-1X	DB	VO-8260	Aqueous	1	1	8260	02/25 18:18
2M63458.	AC57476-008	Ti8	RR-1X	DB	VO-8260	Aqueous	1	1	8260	02/25 18:34
2M63459.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	02/25 18:49

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2n	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/rundates modcheckprepround
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tcln/Solvent Extraction Date Missing/Not check'd
Eto	Tcln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for init calibration chek rfs
Iw	Initial cal warning..ini cal file <> method.
Ix	Initial Cal Files Not Updated Properly for a samp
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20... not checked
Cro	C30/C20 failed for eph
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evm	Eval Mix missing ddt or endrin
R16,R26	Rnd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
TI5	Outside of 500 series Tune time
TI6	Outside of 600 series Tune time/Cal Time
TI8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-3M88287

Instrument: GCMS_3 Year: 0369
Analyst: SG

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88287.	BFB TUNE		V-106304,V-95161,V-107817,V-109183	WP						02/25 07:38
3M88288.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/25 07:57
3M88289.	BLKHCL		-	WP		Aqueous	1	1	624 8260	02/25 08:18
3M88290.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/25 08:34
3M88291.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/25 08:51
3M88292.	MBS6131		- MBS6131	WP		Methano	1	1	8260	02/25 09:08
3M88293.	MBS6133		OK MBS6133	WP		Aqueous	1	1	624 8260	02/25 09:25
3M88294.	MBS6135		OK MBS6135	WP		Methano	1	1	8260	02/25 09:41
3M88295.	AC57379-006		RR-5G MBS6131	WP	VO10-8260	Methano	1	1	8260	02/25 09:58
3M88296.	AC57431-001	S8	RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 10:14
3M88297.	AC57426-001		OK	WP	VO10-8260	Methano	1	1	8260	02/25 10:31
3M88298.	AC57426-002		OK	WP	VO10-8260	Methano	1	1	8260	02/25 10:47
3M88299.	AC57426-003		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 11:04
3M88300.	AC57431-001	S8AoRo	-	WP	VO10-8260	Methano	1	1	8260	02/25 11:21
3M88301.	AC57426-004	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 11:37
3M88302.	AC57426-005	Oc	RR-40uL	WP	VO10-8260	Methano	1	1	8260	02/25 11:54
3M88303.	AC57426-006		RR-800uL	WP	VO10-8260	Methano	1	1	8260	02/25 12:11
3M88304.	AC57426-007	Oc	R-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 12:27
3M88305.	AC57426-008		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 12:44
3M88306.	AC57441-001		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 13:01
3M88307.	AC57441-002	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 13:18
3M88308.	AC57441-003	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 13:34
3M88309.	AC57441-004		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 13:51
3M88310.	AC57441-005		OK	WP	VO10-8260	Methano	1	1	8260	02/25 14:08
3M88311.	AC57441-007		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 14:25
3M88312.	AC57441-008	Oc	RR-40uL	WP	VO10-8260	Methano	1	1	8260	02/25 14:42
3M88313.	AC57441-010		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 14:58
3M88314.	AC57441-006(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/25 15:17
3M88315.	AC57441-009(80uL)	Oc	RR-20uL	WP	VO10-8260	Methano	1	10	8260	02/25 15:40
3M88316.	AC57379-006(MS)		OK MBS6131	WP	VO10-8260	Methano	1	1	8260	02/25 15:59
3M88317.	AC57379-006(MSD)		OK MBS6131	WP	VO10-8260	Methano	1	1	8260	02/25 16:16
3M88318.	BLK		-	WP		Aqueous	1	1	624 8260	02/25 16:33
3M88319.	AC57099-015(T)	Eto	OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/25 16:49
3M88320.	AC57097-015(T)	Eto	OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/25 17:06
3M88321.	AC57097-014(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/25 17:23
3M88322.	AC57099-014(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/25 17:39
3M88323.	EF-3-V-1014#14(02241		OK	WP		Aqueous	1	2241	8260	02/25 17:56
3M88324.	EF-3-V-1014#15(02251		OK	WP		Aqueous	1	2251	8260	02/25 18:12
3M88325.	AC57364-004		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 18:29
3M88326.	AC57364-003		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 18:49
3M88327.	AC57364-002		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 19:06
3M88328.	AC57364-001		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 19:22
3M88329.	AC57280-006(MS)	Ti8	OK MBS6233	WP	VO10-624	Aqueous	1	1	624 8260	02/25 19:39
3M88330.	AC57280-006(MSD)	Ti8	OK MBS6233	WP	VO10-624	Aqueous	1	1	624 8260	02/25 19:56
3M88331.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/25 20:13
3M88332.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/25 20:30
3M88333.	BLK	Ti8	OK	WP		Aqueous	1	1	624 8260	02/25 20:46
3M88334.	MBS6232	Ti8	OK MBS6232	WP		Aqueous	1	1	624 8260	02/25 21:03
3M88335.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/25 21:20
3M88336.	AC57414-006		OK	WP	VO10-624	Aqueous	1	1	624	02/25 21:37
3M88337.	AC57414-007		OK	WP	VO10-624	Aqueous	1	1	624	02/25 21:53
3M88338.	AC57434-002		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:09
3M88339.	AC57422-021		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:26
3M88340.	AC57422-005		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:42
3M88341.	AC57422-007		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:59
3M88342.	AC57422-009		OK MBS6242	WP	VO10-624	Aqueous	1	1	624	02/25 23:16
3M88343.	AC57422-011		OK	WP	VO10-624	Aqueous	1	1	624	02/25 23:32
3M88344.	AC57422-017		OK	WP	VO10-624	Aqueous	1	1	624	02/25 23:49
3M88345.	AC57422-019		OK	WP	VO10-624	Aqueous	1	1	624	02/26 00:06
3M88346.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/26 00:22
3M88347.	AC57414-002		OK	WP	VO10-624	Aqueous	1	1	624	02/26 00:38
3M88348.	AC57414-005		OK	WP	VO10-624	Aqueous	1	1	624	02/26 00:55
3M88349.	AC57414-003		OK	WP	VO10-624	Aqueous	1	1	624	02/26 01:11
3M88350.	AC57414-001		OK	WP	VO10-624	Aqueous	1	1	624	02/26 01:28
3M88351.	AC57414-004		OK	WP	VO10-624	Aqueous	1	1	624	02/26 01:45
3M88352.	MBS6233	Ti8	OK MBS6233	WP		Aqueous	1	1	624 8260	02/26 02:02

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 sedes samole/blank did not have passino cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 sedes samole/blank did not have passino cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning ..Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M26	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/surrogates mpdcheckprepsurrogs	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_3 Year: 03 70
Analyst: SG

1-1-3M88353

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88353.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/26 02:18
3M88354.	AC57422-015		OK	WP	VO10-624	Aqueous	1	1	624	02/26 02:35
3M88355.	AC57422-013		RR-1X,possible co	WP	VO10-624	Aqueous	1	1	624	02/26 02:52
3M88356.	AC57422-003		OK	WP	VO10-624	Aqueous	1	1	624	02/26 03:08
3M88357.	AC57422-001(20X)		OK	WP	VO10-624	Aqueous	1	20	624	02/26 03:27
3M88358.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/26 03:46
3M88359.	AC57434-001		OK	WP	VO10-624	Aqueous	1	1	624	02/26 04:03
3M88360.	AC57280-007(MS)	Ti8	OK MBS6232	WP	VO10-624	Aqueous	1	1	624 8260	02/26 04:19
3M88361.	AC57280-007(MSD)	Ti8	OK MBS6232	WP	VO10-624	Aqueous	1	1	624 8260	02/26 04:36
3M88362.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/26 04:52
3M88363.	BLK	Ti8	OK	WP		Aqueous	1	1	624 8260	02/26 05:09
3M88364.	MBS6234	Ti8	OK MBS6234	WP		Aqueous	1	1	624 8260	02/26 05:25
3M88365.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/26 05:42
3M88366.	AC57437-008		OK	WP	VO10-624	Aqueous	1	1	624	02/26 05:58
3M88367.	AC57443-001		OK	WP	VO10-624	Aqueous	1	1	624	02/26 06:15
3M88368.	AC57443-002		OK	WP	VO10-624	Aqueous	1	1	624	02/26 06:31
3M88369.	AC57443-005		OK	WP	VO10-624	Aqueous	1	1	624	02/26 06:48
3M88370.	AC57443-004		OK	WP	VO10-624	Aqueous	1	1	624	02/26 07:05
3M88371.	AC57443-003		OK	WP	VO10-624	Aqueous	1	1	624	02/26 07:21
3M88375.	BLK	S6S8Ti6Ti8AoRo	-	WP		Aqueous	1	1	624 8260	02/27 10:30
3M88376.	BLK	S6S8Ti6Ti8AoRo	-	WP		Aqueous	1	1	624 8260	02/27 12:01
3M88377.	BLK	S6S8Ti6Ti8AoRo	-	WP		Aqueous	1	1	624 8260	02/27 12:29
3M88378.	BLK	Ti6Ti8Ao	-	WP		Aqueous	1	1	624 8260	02/27 12:44
3M88379.	BLK	Ti6Ti8	-	WP		Aqueous	1	1	624 8260	02/27 13:19

Anc	Area Not Checked
An	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2n	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/updates medcheckcompounds
En	Eval Time Not Checked

Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tclo/Solvent Extraction Date Missing/Not check'd
Eto	Tclo Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for init calibration chek rfs
Iw	Initial cal warning..Ini cal file <> method.
Ix	Initial Cal Files Not Updated Prpoerly for a samol
M16,M26	Snike Out Col 1 and or Col 2 600 series
M16a,M16b	Snike Out Col 1 600 series Acid and or BN
M18,M28	Snike Out Col 1 and or Col 2 8000 series
M18a,M18b	Snike Out Col 1 8000 series Acid and or BN
Mnc	Snike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration

Co	Warning Possible Carry Over
CRN	Warning c30/c20... not checked
Cro	C30/C20 failed for eoh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checkad
Evrc	Eval Mix missing rdl or endda
R16,R26	Rnd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

1-1-2M63640

RUN LOG

Instrument: GCMS_2 Year: 0371
Analyst: wp

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M63640.	BFB TUNE		V-106304,V-95161,V-109540,V-109602	WP						03/02 13:49
2M63641.	BLKJUG3	CnAnc	-	WP		Aqueous	1	1	624 8260	03/02 14:01
2M63642.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	03/02 14:16
2M63643.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 14:38
2M63644.	DAILY BLANK		OK	WP		Methano	1	1	8260	03/02 14:57
2M63645.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	03/02 15:12
2M63646.	MBS6292		OK MBS6292	WP		Methano	1	1	8260	03/02 15:28
2M63647.	MBS6293		OK MBS6293	WP		Aqueous	1	1	624 8260	03/02 15:44
2M63648.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 16:00
2M63649.	AC57462-001		OK MBS6293	WP	VO10-624	Aqueous	1	1	624	03/02 16:16
2M63650.	AC57466-005		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 16:32
2M63651.	AC57466-006		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 16:47
2M63652.	AC57466-009		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 17:03
2M63653.	AC57466-008		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 17:19
2M63654.	AC57466-007		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 17:35
2M63655.	AC57442-001(T)		OK	WP	VOTCLP-826	Aqueous	1	1	8260	03/02 17:51
2M63656.	AC57471-001(T)		OK MBS6307	WP	VOTCLP-826	Aqueous	1	1	8260	03/02 18:07
2M63657.	AC57462-001(MS)		OK MBS6293	WP	VO10-624	Aqueous	1	1	624 8260	03/02 18:23
2M63658.	AC57462-001(MSD)		OK MBS6293	WP	VO10-624	Aqueous	1	1	624 8260	03/02 18:38
2M63659.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 18:54
2M63660.	AC57392-009		OK	WP	VO10-8260	Aqueous	1	1	8260	03/02 19:10
2M63661.	AC57487-035		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 19:26
2M63662.	AC57490-005		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 19:42
2M63663.	AC57490-006	S8	RR-1X	WP	VO-8260	Aqueous	1	1	8260	03/02 19:58
2M63664.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 20:13
2M63665.	AC57531-003		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 20:29
2M63666.	AC57531-004		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 20:45
2M63667.	AC57531-005		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:01
2M63668.	AC57531-006		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:16
2M63669.	AC57531-007		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:32
2M63670.	AC57531-009		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:48
2M63671.	AC57531-010		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 22:04
2M63672.	AC57531-011		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 22:19
2M63673.	AC57487-022(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 22:35
2M63674.	AC57487-024(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 22:51
2M63675.	AC57487-026(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 23:07
2M63676.	AC57487-028(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 23:22
2M63677.	AC57487-030(40uL)	S8Ti8	RR-5G	WP	VO-8260	Methano	1	20	8260	03/03 06:58
2M63678.	AC57487-034(40uL)	Ti8	RR-5G	WP	VO-8260	Methano	1	20	8260	03/03 07:14
2M63679.	AC57487-032(40uL)	S8Ti8	RR-5G	WP	VO-8260	Methano	1	20	8260	03/03 07:30
2M63680.	AC57512-001	Ti8	RR-5G	WP	VOBTEX-826	Methano	1	1	8260	03/03 07:46

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enb
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and nr col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and nr col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rts	S6	600 series surrogate out
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method..	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1n.D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emn	Problem Checking Prep/updates modcheckprepundate	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-2M63682

RUN LOG

Instrument: GCMS_2 Year 0372
Analyst: wp

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M63682.	BFB TUNE		V-106304,V-109728,V-109108,V-10913	DB						03/03 08:08
2M63683.	BLK	CnS6S8Anc	-	DB		Aqueous	1	1	624 8260	03/03 08:18
2M63684.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	03/03 08:28
2M63685.	BLKHCL		-	DB		Aqueous	1	1	624 8260	03/03 08:49
2M63686.	DAILY BLANK		OK	DB		Methano	1	1	8260	03/03 09:05
2M63687.	DAILY BLANK		OK	KL		Aqueous	1	1	624 8260	03/03 09:21
2M63688.	MBS6305		OK MBS6305	KL		Methano	1	1	8260	03/03 09:37
2M63689.	MBS6307		OK MBS6307	KL		Aqueous	1	1	624 8260	03/03 09:53
2M63690.	BLK					Aqueous	1	1	624 8260	03/03 10:09
2M63691.	AC57531-013		OK	KL	VO-8260	Aqueous	1	1	8260	03/03 10:24
2M63692.	AC57531-012		OK	KL	VO-8260	Aqueous	1	1	8260	03/03 10:40
2M63693.	AC57531-008		OK	KL	VO-8260	Aqueous	1	1	8260	03/03 10:56
2M63694.	AC57410-007		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:12
2M63695.	AC57410-008		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:28
2M63696.	AC57416-020		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:44
2M63697.	AC57416-005		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:59
2M63698.	AC57416-006		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 12:15
2M63699.	AC57490-006		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 12:31
2M63700.	AC57466-002		OK	KL	VOTAGM-826	Aqueous	1	1	8260	03/03 12:47
2M63701.	AC57466-001(10X)		OK,Report 1X	KL	VOTAGM-826	Aqueous	1	10	8260	03/03 13:05
2M63702.	AC57439-001(10X)		OK	DB	VO-PAGAS8	Aqueous	1	10	8260	03/03 13:25
2M63703.	AC57516-009(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	03/03 13:46
2M63704.	AC57516-012(80uL)	S8Oc	RR-8uL	DB	VO10-8260	Methano	1	10	8260	03/03 14:05
2M63705.	AC57516-016(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	03/03 14:27
2M63706.	AC57471-001(T:MS)	OcM16	OK	KL	VOTCLP-826	Aqueous	1	1	624 8260	03/03 14:44
2M63707.	AC57471-001(T:MSD)	OcM16	OK	KL	VOTCLP-826	Aqueous	1	1	624 8260	03/03 15:00
2M63708.	AC57099-020(T)	Eto	OK	DB	VOSPLP-826	Aqueous	1	1	8260	03/03 15:16
2M63709.	AC57097-020(T)	Eto	OK	DB	VOSPLP-826	Aqueous	1	1	8260	03/03 15:31
2M63710.	EF-3-V1014(030111)		OK	DB		Aqueous	1	3011	8260	03/03 15:47
2M63711.	AC57099-019(T)	Ho	OK	DB	ERROR	Aqueous	1	1	624 8260	03/03 16:03
2M63712.	AC57097-019(T)	Ho	OK	DB	ERROR	Aqueous	1	1	624 8260	03/03 16:19
2M63713.	EF-3-V-1014(030211)		OK	DB		Aqueous	1	3021	8260	03/03 16:35
2M63714.	AC57516-013(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	03/03 16:51
2M63715.	AC57516-014	S8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/03 17:06
2M63716.	AC57516-015	S8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/03 17:22
2M63717.	AC57516-007	Ti8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/04 06:22
2M63718.	AC57516-008	Ti8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/04 06:38
2M63719.	AC57516-010	Ti8	RR-800uL - DIRTY	DB	VO10-8260	Methano	1	1	8260	03/04 06:54
2M63720.	AC57516-011	Ti8	RR-800uL	DB	VO10-8260	Methano	1	1	8260	03/04 07:10
2M63721.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	03/04 07:28
2M63722.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	03/04 07:44
2M63723.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	03/04 07:59

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20.... not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing drft or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmd csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method...	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M18b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checkinn Prep/nuridates modcheckcorepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82356

Prepared By: Revolus, Jean
Description: VOA STOCK INT/SURR MIX
Prep Date: 3/9/2010
Expiration Date: 3/9/2011
Department: Organics
BatchNumber:
Concentration: 1500 ppm
Final Volume: 100 ml
ApprovedBy: jean
ApproveDate: 03/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
3661	Fluorobenzene	150 mg	NEAT	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
4372	Methanol	100 ml	neat	
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm

Veritech Lot Number: V-88943

Prepared By: Revolus, Jean
Description: Voa extra add mix
Prep Date: 6/21/2010
Expiration Date: 6/21/2011
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5013	d-Camphor	200 mg	NEAT	20000 ppm
5014	Camphene	20 mg	NEAT	2000 ppm
4995	METHANOL	10 ml	neat neat	

Veritech Lot Number: V-93698

Prepared By: Revolus, Jean
Description: Voa Extra Add mix 2
Prep Date: 8/19/2010
Expiration Date: 8/19/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 09/24/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5101	Methyl methacrylate	25 mg	Neat	5000 ppm
5100	Ethyl Methacrylate	25 mg	Neat	5000 ppm
5099	Butyl methacrylate	25 mg	Neat	5000 ppm
5098	n-Butyl acrylate	25 mg	Neat	5000 ppm
5097	n-Amyl acetate	25 mg	Neat	5000 ppm
5096	Iso-propyl acetate	25 mg	Neat	5000 ppm
5095	Ethyl acetate	25 mg	Neat	5000 ppm
5185	METHANOL	5 ml	neat neat	

Veritech Lot Number: V-93699

Prepared By: Revolus, Jean
Description: Voa Extra Add mix 2(2nd source)
Prep Date: 8/19/2010
Expiration Date: 8/19/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 09/24/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5101	Methyl methacrylate	25 mg	Neat	5000 ppm
5100	Ethyl Methacrylate	25 mg	Neat	5000 ppm
5099	Butyl methacrylate	25 mg	Neat	5000 ppm
5098	n-Butyl acrylate	25 mg	Neat	5000 ppm
5097	n-Amyl acetate	25 mg	Neat	5000 ppm
5096	Iso-propyl acetate	25 mg	Neat	5000 ppm
5095	Ethyl acetate	25 mg	Neat	5000 ppm
5185	METHANOL	5 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-95161

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA WORKING INT/SURR MIX | BatchNumber: | ApproveDate: 09/09/10
Prep Date: 9/7/2010 | Concentration: 150 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 200 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	225 ml	NEAT	
V-82356	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-105159

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA ADD MIX | BatchNumber: | ApproveDate: 01/05/11
Prep Date: 1/4/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/4/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
5532	p-Diethylbenzene	50 mg	Neat neat	5000 ppm
5533	p-Ethyltoluene	50 mg	Neat neat	5000 ppm
5531	Cyclohexanone	250 mg	Neat neat	25000 ppm
1230	METHANOL		NEAT	

Veritech Lot Number: V-105161

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA ADD MIX(2nd Source) | BatchNumber: | ApproveDate: 01/05/11
Prep Date: 1/4/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/4/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
5532	p-Diethylbenzene	50 mg	Neat neat	5000 ppm
5533	p-Ethyltoluene	50 mg	Neat neat	5000 ppm
5531	Cyclohexanone	250 mg	Neat neat	25000 ppm
1230	METHANOL		NEAT	

Veritech Lot Number: V-106304

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: BFB Tune Mix | BatchNumber: | ApproveDate: 01/18/11
Prep Date: 1/18/2011 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 1.5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-95161	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Lot Number: V-106417

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: Ethyl ether/Furan Mix | BatchNumber: | ApproveDate: 02/03/11
Prep Date: 1/19/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/10/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106418

Prepared By: Revolus, Jean
Department: Organics
ApprovedBy: jean
Description: Ethyl ether/Furan Mix(2nd Source)
BatchNumber:
ApproveDate: 02/03/11
Prep Date: 1/19/2011
Concentration: 5000 ppm
Checked: Yes
Expiration Date: 1/10/2012
Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Lot Number: V-107387

Prepared By: Goring, Shawn
Department: Organics
ApprovedBy: DAN
Description: 200ppm VOA Working Std
BatchNumber:
ApproveDate: 02/18/11
Prep Date: 2/1/2011
Concentration: VARIOUS pp
Checked: Yes
Expiration Date: 3/4/2011
Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-107388

Prepared By: Goring, Shawn
Department: Organics
ApprovedBy: DAN
Description: MBS
BatchNumber:
ApproveDate: 02/02/11
Prep Date: 2/1/2011
Concentration: 100 ppm
Checked: Yes
Expiration Date: 5/9/2011
Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-107428

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: DAN
Description: 624/8260 CAL @ 250 PPB
BatchNumber: B-9600
ApproveDate: 02/07/11
Prep Date: 2/2/2011
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 2/9/2011
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106418

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix(2nd Source)
Prep Date: 1/19/2011
Expiration Date: 1/10/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Lot Number: V-107387

Prepared By: Goring, Shawn
Description: 200ppm VOA Working Std
Prep Date: 2/1/2011
Expiration Date: 3/4/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-107667

Prepared By: Batelli, Daniel
Description: 200ppm VOA Working Std
Prep Date: 2/4/2011
Expiration Date: 3/4/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106418

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: Ethyl ether/Furan Mix(2nd Source) | BatchNumber: | ApproveDate: 02/03/11
Prep Date: 1/19/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/10/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Lot Number: V-109129

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 200ppm VOA Working Std | BatchNumber: | ApproveDate: 02/24/11
Prep Date: 2/24/2011 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 3/4/2011 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5412	Gases	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-109130

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: MBS | BatchNumber: | ApproveDate: 02/24/11
Prep Date: 2/24/2011 | Concentration: 100 ppm | Checked: Yes
Expiration Date: 5/9/2011 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5285	Gases/502.2 Cal mix#1	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-109304

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 250 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107429

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 100 PPB | BatchNumber: B-9600 | ApproveDate: 02/07/11
Prep Date: 2/2/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-107430

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 50 PPB | BatchNumber: B-9600 | ApproveDate: 02/07/11
Prep Date: 2/2/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-107431

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 20 PPB | BatchNumber: B-9600 | ApproveDate: 02/07/11
Prep Date: 2/2/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-107432

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 10 PPB | BatchNumber: B-9600 | ApproveDate: 02/07/11
Prep Date: 2/2/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-107433

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 5 PPB | BatchNumber: B-9600 | ApproveDate: 02/07/11
Prep Date: 2/2/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107817

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 2/9/2011
Expiration Date: 5/10/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-107819

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-107820

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-107821

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107434

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-107435

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Lot Number: V-107436

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-107437

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107388	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107817

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 2/9/2011
Expiration Date: 5/10/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-108116

Prepared By: Goring, Shawn
Description: CAL @ 20 PPB
Prep Date: 2/11/2011
Expiration Date: 2/18/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108428

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 2/15/2011
Expiration Date: 2/22/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/15/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108738

Prepared By: Goring, Shawn
Description: CAL @ 20 PPB
Prep Date: 2/18/2011
Expiration Date: 2/25/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107817

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 2/9/2011
Expiration Date: 5/10/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-108428

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 2/15/2011
Expiration Date: 2/22/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/15/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108738

Prepared By: Goring, Shawn
Description: CAL @ 20 PPB
Prep Date: 2/18/2011
Expiration Date: 2/25/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107822

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-107823

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-107824

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Lot Number: V-107825

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-107826

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107827

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-107828

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107817	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108854

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 2/22/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-109129

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 2/24/2011
Expiration Date: 3/4/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: dan
ApproveDate: 02/24/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5412	Gases	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109183

Prepared By:	Goring, Shawn	Department: Organics	ApprovedBy: dan
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 03/01/11
Prep Date:	2/25/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	3/4/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109305

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-109306

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-109307

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-109308

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-109309

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109310

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 1 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-109311

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 0.5 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Lot Number: V-109312

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 500 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-109313

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: ICV CAL @ 20 PPB | BatchNumber: | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109130	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109539

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: jean
Description: 200ppm VOA Working Std
BatchNumber:
ApproveDate: 03/04/11
Prep Date: 3/2/2011
Concentration: VARIOUS pp
Checked: Yes
Expiration Date: 5/10/2011
Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5412	Gases	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5620	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-109540

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: jean
Description: MBS
BatchNumber:
ApproveDate: 03/04/11
Prep Date: 3/2/2011
Concentration: 100 ppm
Checked: Yes
Expiration Date: 5/10/2011
Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5285	Gases/502.2 Cal mix#1	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-109728

Prepared By: Previlon, Wilner
Department: Organics
ApprovedBy: jean
Description: CAL @ 20 PPB
BatchNumber:
ApproveDate: 03/04/11
Prep Date: 3/3/2011
Concentration: VARIOUS ppb
Checked: Yes
Expiration Date: 3/10/2011
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109539	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777

Description
1-bromo-4-fluorobenzene

ApprovedBy: jean
ApproveDate: 09/03/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295

Description
CHLOROBENZENE-D5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297

Description
TOLUENE-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2889

Description
1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 3178

Description
1,2-Dichloroethane-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3661

Description
Fluorobenzene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 3693

Description
Dibromofluoromethane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT	

Veritech Control/Receipt Number: 4372

Description
Methanol

ApprovedBy: jean
ApproveDate: 09/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G49E42	09/01/09	08/31/11	Okomeng, Maxwel	36	1Lt	neat	

Veritech Control/Receipt Number: 4995

Description
METHANOL

ApprovedBy: richq
ApproveDate: 06/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A412SK-4	103255	06/11/10	06/11/12	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 5013

Description
d-Camphor

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2404	402-140B	06/21/10	06/30/14	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5014

Description
Camphene

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-747	419-138A	06/21/10	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5092

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 07/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	5-02111	LB72437	07/23/10	12/31/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5095

Description
Ethyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-412	433-138B	07/26/10	03/31/15	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 5096

Description
Iso-propyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2536	428-14A	07/26/10	07/31/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5097

Description
n-Amyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	o-2003	414-70B	07/26/10	11/30/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5098

Description
n-Butyl acrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-1004	409-80A	07/26/10	09/30/14	Revolus, Jean	1	10g	Neat	

Veritech Control/Receipt Number: 5099

Description
Butyl methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-1005	419-155B	07/26/10	03/31/13	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 5100

Description
Ethyl Methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F984	433-132A	07/26/10	02/28/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5101

Description
Methyl methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F982	422-28B	07/26/10	04/30/15	Revolus, Jean	1	5g	Neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5123

Description
tert-Amyl Methyl Ether Standard

ApprovedBy: jean
ApproveDate: 08/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A075900	08/02/10	07/31/15	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5185

Description
METHANOL

ApprovedBy: jean
ApproveDate: 08/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9077-02	H45E36	08/13/10	08/13/12	Okomeng, Maxwel	60	2.5LT	neat	neat

Veritech Control/Receipt Number: 5278

Description
CHLORODIFLUOMETHANE

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	210041336	09/22/10	04/21/20	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 5281

Description
GASES(PURGEABLE HALOCARBONS)

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	209091042	09/22/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5288

Description
TAMES

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-06737	LB64951	09/29/10	02/28/12	Hamid, Akmal	2	1	2000	ppm

Veritech Control/Receipt Number: 5381

Description
P&T Water

ApprovedBy: DAN
ApproveDate: 10/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Veritech	N/A	N/A	10/01/10	10/01/15	Batelli, Daniel	1	N/A	Neat	Neat

Veritech Control/Receipt Number: 5409

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB73020	11/09/10	11/30/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5413

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5449

Description
CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description
CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5512

Description
VOA CAL MIX 6 (GASES)

ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB79744	12/14/10	01/31/12	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5516

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 12/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	LVOC-1JM	457-9A	12/16/10	12/31/11	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5531

Description
Cyclohexanone

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	F2326	428-78B	12/28/10	07/31/14	Batelli, Daniel	1	5g	Neat	Neat

Veritech Control/Receipt Number: 5532

Description
p-Diethylbenzene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2296	451-130B	12/28/10	11/30/14	Batelli, Daniel	1	100m	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5412

Description
Gases

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	V-601B-10X-PAK	210091188	11/09/10	10/06/13	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5413

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5449

Description
CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description
CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5512

Description
VOA CAL MIX 6 (GASES)

ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB79744	12/14/10	01/31/12	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5516

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 12/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	LVOC-1JM	457-9A	12/16/10	12/31/11	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5531

Description
Cyclohexanone

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	F2326	428-78B	12/28/10	07/31/14	Batelli, Daniel	1	5g	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5533

Description
p-Ethyltoluene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2413	453-143B	12/28/10	12/31/15	Batelli, Daniel	1	1g	Neat	Neat

Veritech Control/Receipt Number: 5544

Description
Methanol

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9077-02	H45E36	01/11/11	01/10/12	Lopez, Jose	18	1L	neat	neat

Veritech Control/Receipt Number: 5555

Description
Ethyl ether

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-569	444-37B	01/18/11	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5559

Description
Furan

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2298	451-74A	01/18/11	09/30/13	Revolus, Jean	1	10g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5532

Description
p-Diethylbenzene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2296	451-130B	12/28/10	11/30/14	Batelli, Daniel	1	100m	Neat	Neat

Veritech Control/Receipt Number: 5533

Description
p-Ethyltoluene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2413	453-143B	12/28/10	12/31/15	Batelli, Daniel	1	1g	Neat	Neat

Veritech Control/Receipt Number: 5544

Description
Methanol

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9077-02	H45E36	01/11/11	01/10/12	Lopez, Jose	18	1L	neat	neat

Veritech Control/Receipt Number: 5555

Description
Ethyl ether

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-569	444-37B	01/18/11	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5559

Description
Furan

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2298	451-74A	01/18/11	09/30/13	Revolus, Jean	1	10g	NEAT	

Veritech Control/Receipt Number: 5650

Description
FREON#22(CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209121020	02/18/11	12/02/19	Revolus, Jean	20	1ml	200	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5533

Description
p-Ethyltoluene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2413	453-143B	12/28/10	12/31/15	Batelli, Daniel	1	1g	Neat	Neat

Veritech Control/Receipt Number: 5544

Description
Methanol

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9077-02	H45E36	01/11/11	01/10/12	Lopez, Jose	18	1L	neat	neat

Veritech Control/Receipt Number: 5555

Description
Ethyl ether

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-569	444-37B	01/18/11	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5559

Description
Furan

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2298	451-74A	01/18/11	09/30/13	Revolus, Jean	1	10g	NEAT	

Veritech Control/Receipt Number: 5620

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 02/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418-01	02/15/11	05/10/11	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5650

Description
FREON#22(CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209121020	02/18/11	12/02/19	Revolus, Jean	20	1ml	200	PPM

HAMPTONCLARKE·VERITECH

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WWW.HCVLAB.COM

Project: Port Jervis

Client PO: B0043021.0001.00

Report To: ARCADIS
4915 Prospectus Drive
Suite F
Durham, NC 27713

Attn: D.Liles

Received Date: 2/3/2011

Report Date: 4/4/2011

Deliverables: NYDOH-CatB

Lab ID: AC57098

Lab Project No: 1020304

This report is a true report of results obtained from our tests of this material. All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Jeri Rossi

Jeri Rossi - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

TABLE OF CONTENTS

HC·V *LABORATORY RESULTS*	*PAGE NOS.*
SDG Narrative	1-2
Reporting Limit Definitions	3-4
Data Package Summary Forms	5-40
Chain of Custody Forms	41-45
SPLP GC/MS Semivolatiles Data	46-528
SPLP Metal Data	529-772

SDG Narrative

HCV Case Narrative/Conformance Summary

Client: Arcadis
Project: Port Jervis

HCV Project: 1020304

Hampton-Clarke/Veritech (HC·V) received the following samples on February 03, 2011:

Client ID	HCV Sample ID	Matrix	Analysis
ISSS3 large monolith (1st)	AC57098-001	Monolith	BNA (8270C), SPLP Metals (6010B/7470A)
ISSS3 large monolith (2nd)	AC57098-002	Monolith	SPLP extract & hold
ISSS3 large monolith (3rd)	AC57098-003	Monolith	SPLP extract & hold
ISSS3 large monolith (4th)	AC57098-004	Monolith	SPLP extract & hold
ISSS3 large monolith (5th)	AC57098-005	Monolith	BNA (8270C), SPLP Metals (6010B/7470A)
ISSS3 large monolith (6th)	AC57098-006	Monolith	SPLP extract & hold
ISSS3 large monolith (7th)	AC57098-007	Monolith	SPLP extract & hold
ISSS3 large monolith (8th)	AC57098-008	Monolith	SPLP extract & hold
ISSS3 large monolith (9th)	AC57098-009	Monolith	SPLP extract & hold
ISSS3 large monolith (10th)	AC57098-010	Monolith	BNA (8270C), SPLP Metals (6010B/7470A)
ISSS3 large monolith (11th)	AC57098-011	Monolith	SPLP extract & hold
ISSS3 large monolith (12th)	AC57098-012	Monolith	SPLP extract & hold
ISSS3 large monolith (13th)	AC57098-013	Monolith	SPLP extract & hold
ISSS3 large monolith (14th)	AC57098-014	Monolith	SPLP extract & hold
ISSS3 large monolith (15th)	AC57098-015	Monolith	BNA (8270C), SPLP Metals (6010B/7470A)
ISSS3 large monolith (16th)	AC57098-016	Monolith	SPLP extract & hold
ISSS3 large monolith (17th)	AC57098-017	Monolith	SPLP extract & hold
ISSS3 large monolith (18th)	AC57098-018	Monolith	SPLP extract & hold
ISSS3 large monolith (19th)	AC57098-019	Monolith	SPLP extract & hold
ISSS3 large monolith (20th)	AC57098-020	Monolith	BNA (8270C), SPLP Metals (6010B/7470A)

Samples AC57098-001 through -020 were prepped for SPLP analysis according to Arcadis Standard Operating Procedure "Monolith Leaching Method".

SPLP Base Neutral Acid Extractable Analysis:

Samples AC57098-010, -015 and –020 were activated and tumbled outside the 14 day hold time per client request.

The MS/MSD RPD of Pyridine is outside QC limits in batches WMB4536 and WMB4585.

SPLP Metals Analysis:

Results reported to MDL per client request. When reporting to the MDL, detections are typically found in the blanks. Acceptance criteria for blanks are based on the RL.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

4/5/11
Date

Reporting Limit Definitions

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL = Reporting Limit *

RT = Retention Time

NA = Not Applicable

ND = Not Detected

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the concentration is below the Reporting Limit (RL) but above the MDL (Method Detection Limit). The concentration reported is an estimate.

*For Clean Water Act and SW846 Organic Methods and Metals Methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

*For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

HCV Report Of Analysis

Client: ARCADIS
Project: Port Jervis

HCV Project #: 1020304

Sample ID: ISSS3 large monolith (1st)
Lab#: AC57098-001
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**18JB**
Cadmium	**1**	**ug/l**	**0.43**	50	**1.6JB**
Chromium	**1**	**ug/l**	**0.71**	200	**7.1JB**
Lead	**1**	**ug/l**	**2.1**	65	**15J**
Selenium	1	ug/l	6.4	200	ND
Silver	**1**	**ug/l**	**0.74**	50	**0.97J**

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**		**n/a**	**completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**33**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**12**
Acenaphthylene	1	ug/l	0.14	2.0	ND
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	1	ug/l	0.34	2.0	ND
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	1	ug/l	0.13	2.0	ND
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND

Sample ID: ISSS3 large monolith (1st) **Collection Date: 2/1/2011**
Lab#: AC57098-001 **Receipt Date: 2/3/2011**
Matrix: Monolith

Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	1	ug/l	0.16	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND
Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	1	ug/l	0.14	2.0	ND
Fluorene	**1**	**ug/l**	**0.20**	2.0	**5.5**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**98**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**9.4**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	1	ug/l	0.13	2.0	ND

Sample ID: ISSS3 large monolith (2nd)
Lab#: AC57098-002
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (3rd)	**Collection Date:** 2/1/2011
Lab#: AC57098-003	**Receipt Date:** 2/3/2011
Matrix: Monolith	

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID:	**ISSS3 large monolith (4th)**	**Collection Date:**	**2/1/2011**
Lab#:	**AC57098-004**	**Receipt Date:**	**2/3/2011**
Matrix:	**Monolith**		

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (5th) | **Collection Date:** 2/1/2011
Lab#: AC57098-005 | **Receipt Date:** 2/3/2011
Matrix: Monolith

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**6.9JB**
Cadmium	**1**	**ug/l**	**0.43**	50	**1.0JB**
Chromium	**1**	**ug/l**	**0.71**	200	**1.1JB**
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	**1**	**ug/l**	**0.74**	50	**0.97J**

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**		**n/a**	**completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**16**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**6.7**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.73J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**1.2J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.29J**
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	**1**	**ug/l**	**0.15**	2.0	**0.27J**
Chrysene	**1**	**ug/l**	**0.16**	2.0	**0.21J**
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND

Sample ID: ISSS3 large monolith (5th) **Collection Date: 2/1/2011**
Lab#: AC57098-005 **Receipt Date: 2/3/2011**
Matrix: Monolith

Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.87J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**3.3**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**45**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**6.2**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**1.3J**

Sample ID:	**ISSS3 large monolith (6th)**	**Collection Date:**	**2/1/2011**
Lab#:	**AC57098-006**	**Receipt Date:**	**2/3/2011**
Matrix:	**Monolith**		

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (7th)
Lab#: AC57098-007
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID:	**ISSS3 large monolith (8th)**	**Collection Date:**	**2/1/2011**
Lab#:	**AC57098-008**	**Receipt Date:**	**2/3/2011**
Matrix:	**Monolith**		

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (9th)
Lab#: AC57098-009
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (10th)
Lab#: AC57098-010
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**5.2J**
Cadmium	1	ug/l	0.43	50	ND
Chromium	**1**	**ug/l**	**0.71**	200	**1.6JB**
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	1	ug/l	0.74	50	ND

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1		n/a	**completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**14**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**5.3**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.58J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.92J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.37J**
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	**1**	**ug/l**	**0.16**	2.0	**0.22J**
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND

Sample ID: ISSS3 large monolith (10th) **Collection Date:** 2/1/2011
Lab#: AC57098-010 **Receipt Date:** 2/3/2011
Matrix: Monolith

Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.82J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.3**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**36**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**5.2**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**1.1J**

Sample ID:	**ISSS3 large monolith (11th)**	**Collection Date:**	**2/1/2011**
Lab#:	**AC57098-011**	**Receipt Date:**	**2/3/2011**
Matrix:	**Monolith**		

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (12th)
Lab#: AC57098-012
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (13th)
Lab#: AC57098-013
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (14th)
Lab#: AC57098-014
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (15th) | **Collection Date:** 2/1/2011
Lab#: AC57098-015 | **Receipt Date:** 2/3/2011
Matrix: Monolith

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**5.0JB**
Cadmium	**1**	**ug/l**	**0.43**	50	**1.0JB**
Chromium	**1**	**ug/l**	**0.71**	200	**0.75JB**
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	**1**	**ug/l**	**0.74**	50	**0.85JB**

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**			**Comleted**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**12**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**4.7**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.52J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.71J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.24J**
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	1	ug/l	0.16	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND

Sample ID: ISSS3 large monolith (15th) **Collection Date:** 2/1/2011
Lab#: AC57098-015 **Receipt Date:** 2/3/2011
Matrix: Monolith

Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.58J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.0J**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**31**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**4.1**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**0.87J**

Sample ID: ISSS3 large monolith (16th)
Lab#: AC57098-016
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (17th)
Lab#: AC57098-017
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (18th)
Lab#: AC57098-018
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (19th)
Lab#: AC57098-019
Matrix: Monolith

Collection Date: 2/1/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS3 large monolith (20th) **Collection Date:** 2/1/2011
Lab#: AC57098-020 **Receipt Date:** 2/3/2011
Matrix: Monolith

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**7.1J**
Cadmium	1	ug/l	0.43	50	ND
Chromium	**1**	**ug/l**	**0.71**	200	**0.79J**
Lead	**1**	**ug/l**	**2.1**	65	**4.5J**
Selenium	1	ug/l	6.4	200	ND
Silver	1	ug/l	0.74	50	ND

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**13**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**5.2**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.73J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.87J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.44J**
Benzo[a]pyrene	**1**	**ug/l**	**0.17**	2.0	**0.28J**
Benzo[b]fluoranthene	**1**	**ug/l**	**0.097**	2.0	**0.24J**
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	**1**	**ug/l**	**0.16**	2.0	**0.34J**
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND
Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.91J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.8**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND

Sample ID: ISSS3 large monolith (20th) **Collection Date: 2/1/2011**
Lab#: AC57098-020 **Receipt Date: 2/3/2011**
Matrix: Monolith

Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeño[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**29**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	2.0	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**5.0**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**1.3J**

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-001(T)
Client Id: ISSS3 large monolith (1st)
Data File: 5M64715.D
Analysis Date: 02/16/11 11:08
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**33**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**5.5**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**98**
83-32-9	**Acenaphthene**	**0.21**	**12**	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	**85-01-8**	**Phenanthrene**	**0.15**	**9.4**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-005(T)(R)
Client Id: ISSS3 large monolith (5th)
Data File: 10M19511.D
Analysis Date: 02/22/11 10:10
Date Rec/Extracted: 02/03/11-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	**86-74-8**	**Carbazole**	**0.15**	**0.27 J**
91-58-7	2-Chloronaphthalene	0.19	U	**218-01-9**	**Chrysene**	**0.16**	**0.21 J**
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**16**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.87 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**3.3**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**45**
83-32-9	**Acenaphthene**	**0.21**	**6.7**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.73 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**1.2 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.29 J**	**85-01-8**	**Phenanthrene**	**0.15**	**6.2**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**1.3 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

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R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-010(T)
Client Id: ISSS3 large monolith (10th)
Data File: 5M64839.D
Analysis Date: 02/24/11 11:05
Date Rec/Extracted: 02/03/11-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	**218-01-9**	**Chrysene**	**0.16**	**0.22 J**
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**14**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.82 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.3**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**36**
83-32-9	**Acenaphthene**	**0.21**	**5.3**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.58 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.92 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.37 J**	**85-01-8**	**Phenanthrene**	**0.15**	**5.2**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**1.1 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-015(T)
Client Id: ISSS3 large monolith (15th)
Data File: 5M64938.D
Analysis Date: 03/01/11 11:41
Date Rec/Extracted: 02/03/11-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**12**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.58 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.0 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**31**
83-32-9	**Acenaphthene**	**0.21**	**4.7**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.52 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.71 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.24 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.1**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.87 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-020(T)
Client Id: ISSS3 large monolith (20th)
Data File: 10M19719.D
Analysis Date: 03/04/11 14:02
Date Rec/Extracted: 02/03/11-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	**218-01-9**	**Chrysene**	**0.16**	**2.0**	**0.34J**
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**2.0**	**13**	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	**206-44-0**	**Fluoranthene**	**0.14**	**2.0**	**0.91J**
99-09-2	3-Nitroaniline	1.9	2.0	U	**86-73-7**	**Fluorene**	**0.20**	**2.0**	**2.8**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	**91-20-3**	**Naphthalene**	**0.16**	**0.50**	**29**
83-32-9	**Acenaphthene**	**0.21**	**2.0**	**5.2**	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	**Acenaphthylene**	**0.14**	**2.0**	**0.73J**	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	**Anthracene**	**0.34**	**2.0**	**0.87J**	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**2.0**	**0.44J**	**85-01-8**	**Phenanthrene**	**0.15**	**2.0**	**5.0**
50-32-8	**Benzo[a]pyrene**	**0.17**	**2.0**	**0.28J**	108-95-2	Phenol	0.65	2.0	U
205-99-2	**Benzo[b]fluoranthene**	**0.097**	**2.0**	**0.24J**	**129-00-0**	**Pyrene**	**0.13**	**2.0**	**1.3J**
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-39-3	Barium	0.33	18JB	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	1.6JB	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-47-3	Chromium	0.71	7.1JB	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7439-92-1	Lead	2.1	15J	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-22-4	Silver	0.74	0.97J	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-005	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A
7440-39-3	Barium	0.33	6.9JB	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A
7440-43-9	Cadmium	0.43	1.0JB	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A
7440-47-3	Chromium	0.71	1.1JB	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A
7440-22-4	Silver	0.74	0.97J	1	50	50	02/15/11	33285	P12319A2	20	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-010	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-39-3	Barium	0.33	5.2J	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-47-3	Chromium	0.71	1.6JB	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/25/11	33501	H12334SPb	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-015	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-39-3	Barium	0.33	5.0JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	1.0JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-47-3	Chromium	0.71	0.75JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/03/11	3382	H12358SP	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-22-4	Silver	0.74	0.85JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-020	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-39-3	Barium	0.33	7.1J	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-47-3	Chromium	0.71	0.79J	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7439-92-1	Lead	2.1	4.5J	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/09/11	3400	H12376SP	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Chain of Custody Forms

ARCADIS

Laboratory Task Order No./P.O. No. _____ **CHAIN-OF-CUSTODY RECORD** Page 1 of 1

0042

Project Number/Name Pt Jervis

Project Location Durham, NC

Laboratory HCV

Project Manager DAVE LILES

Sampler(s)/Affiliation " "

AC57098-001 through -020

1020304

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Monolith leaching SOP + Method 8260	Monolith leaching SOP + Methods 8270 & 6010	pH	hardness (200.7)	total dissolved solids		Remarks	Total
~~ISSS3 small monolith~~	S	2/1/11		✓							1
ISSS3 large monolith		2/1/11			✓						1
~~ISSS6 small monolith~~		2/1/11		✓							1
~~ISSS6 large monolith~~		2/2/11			✓						1
~~PW~~ BR 2/4/11	L	2/2/11				✓	✓	✓			1
									3.9°		

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 5

				Seal Intact?
Relinquished by: David S. Liles	Organization: ARCADIS	Date 2/2/11	Time 16:00	
Received by:	Organization:	Date / /	Time	Yes No N/A
Relinquished by: FED EX	Organization:	Date 2/3/11	Time 10:10	Seal Intact?
Received by:	Organization: HCV	Date 2/3/11	Time 10:10	Yes No N/A

Special Instructions/Remarks:

Results to david.liles@arcadis-us.com

questions (919) 328-5574

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

AG 05-12/01

PROJECT NOTES

Client: ARCADIS-NC **HCV Project #:** 1020304

Project: Port Jervis

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ben192.168.1.28
2/10/2011 8:56:11 AM

Special Arcadis Monolith Leaching Procedure.

CONDITION UPON RECEIPT

Batch Number AC57098 Entered By: Frantz
Date Entered 2/3/2011 11:57:00 AM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.9
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NO	Are samples preserved correctly? Samples were received in Zip-lock Bags.
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC57098-001	02/03/11 03:09	FRAN	0	M	Received
AC57098-001	02/03/11 11:57	FRAN	0	M	Login
AC57098-001	02/15/11 12:43	ABM	2	A	BNA-AQ
AC57098-001	02/15/11 12:43	ABM	3	A	BNA-AQ
AC57098-002	02/03/11 10:10	RICAR	0	M	Received
AC57098-002	02/04/11 13:21	RICAR	0	M	Login
AC57098-002	02/15/11 12:43	ABM	2	A	BNA-AQ
AC57098-003	02/03/11 10:10	RICAR	0	M	Received
AC57098-003	02/04/11 13:21	RICAR	0	M	Login
AC57098-003	02/15/11 12:43	ABM	1	A	BNA-AQ
AC57098-004	02/03/11 10:10	RICAR	0	M	Received
AC57098-004	02/04/11 13:21	RICAR	0	M	Login
AC57098-004	02/15/11 12:43	ABM	1	A	BNA-AQ
AC57098-004	02/14/11 11:30	JS	3	M	SPLP
AC57098-004	02/14/11 13:04	DEPLE	3	A	DEPLETED
AC57098-005	02/03/11 10:10	RICAR	0	M	Received
AC57098-005	02/04/11 13:21	RICAR	0	M	Login
AC57098-005	02/17/11 12:44	ABM	1	A	BNA-AQ
AC57098-005	02/20/11 05:22	ABM	2	A	BNA-AQ
AC57098-006	02/03/11 10:10	RICAR	0	M	Received
AC57098-006	02/04/11 13:21	RICAR	0	M	Login
AC57098-006	02/17/11 12:44	ABM	1	A	BNA-AQ
AC57098-006	02/20/11 05:22	ABM	2	A	BNA-AQ
AC57098-006	02/20/11 06:07	R12	2	A	NONE
AC57098-007	02/03/11 10:10	RICAR	0	M	Received
AC57098-007	02/04/11 13:21	RICAR	0	M	Login
AC57098-007	02/17/11 12:44	ABM	1	A	BNA-AQ
AC57098-007	02/20/11 05:22	ABM	2	A	BNA-AQ
AC57098-007	02/20/11 06:07	R12	2	A	NONE
AC57098-008	02/03/11 10:10	RICAR	0	M	Received
AC57098-008	02/04/11 13:21	RICAR	0	M	Login
AC57098-008	02/23/11 12:16	ABM	2	A	`BNA-AQ
AC57098-008	02/18/11 13:27	JS	3	A	splp
AC57098-008	02/18/11 13:27	DEPLE	3	A	depleted
AC57098-009	02/03/11 10:10	RICAR	0	M	Received
AC57098-009	02/04/11 13:21	RICAR	0	M	Login
AC57098-009	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57098-010	02/03/11 10:10	RICAR	0	M	Received
AC57098-010	02/04/11 13:21	RICAR	0	M	Login
AC57098-010	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57098-010	02/23/11 12:49	R12	1	A	NONE
AC57098-010	02/23/11 12:16	ABM	2	A	`BNA-AQ
AC57098-011	02/03/11 10:10	RICAR	0	M	Received
AC57098-011	02/04/11 13:21	RICAR	0	M	Login
AC57098-011	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57098-012	02/03/11 10:10	RICAR	0	M	Received
AC57098-012	02/04/11 13:21	RICAR	0	M	Login
AC57098-012	02/28/11 12:15	ABM	1	A	bna-aq
AC57098-013	02/03/11 10:10	RICAR	0	M	Received
AC57098-013	02/04/11 13:21	RICAR	0	M	Login
AC57098-013	03/02/11 18:22	MLC	1	A	A, BNA
AC57098-013	02/28/11 12:15	ABM	2	A	bna-aq
AC57098-014	02/03/11 10:10	RICAR	0	M	Received
AC57098-014	02/04/11 13:21	RICAR	0	M	Login
AC57098-014	02/28/11 12:15	ABM	2	A	bna-aq
AC57098-015	02/03/11 10:10	RICAR	0	M	Received
AC57098-015	02/04/11 13:21	RICAR	0	M	Login
AC57098-015	02/28/11 12:15	ABM	1	A	bna-aq
AC57098-016	02/03/11 10:10	RICAR	0	M	Received
AC57098-016	02/04/11 13:21	RICAR	0	M	Login
AC57098-016	03/03/11 12:36	ABM	2	A	BNA-AQ
AC57098-017	02/03/11 10:10	RICAR	0	M	Received
AC57098-017	02/04/11 13:21	RICAR	0	M	Login
AC57098-017	03/03/11 12:36	ABM	1	A	BNA-AQ
AC57098-018	02/03/11 10:10	RICAR	0	M	Received
AC57098-018	02/04/11 13:21	RICAR	0	M	Login
AC57098-018	03/03/11 12:36	ABM	2	A	BNA-AQ
AC57098-019	02/03/11 10:10	RICAR	0	M	Received
AC57098-019	02/04/11 13:21	RICAR	0	M	Login
AC57098-019	03/03/11 12:36	ABM	1	A	BNA-AQ
AC57098-020	02/03/11 10:10	RICAR	0	M	Received
AC57098-020	02/04/11 13:21	RICAR	0	M	Login
AC57098-020	03/03/11 12:36	ABM	1	A	BNA-AQ

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

SPLP
GC/MS Semi-Volatile Data

SPLP
GC/MS Semi-Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M64713.D	WMB4536	Aqueous	02/16/11 10:16	1		62	43	102	97	100	106
9M32373.D	EF-3 V-1014(	Aqueous	02/17/11 12:01	1		60	39	102	97	98	104
5M64715.D	AC57098-001(	Aqueous	02/16/11 11:08	1		85	72	102	94	111	105
5M64714.D	WMB4536(MS	Aqueous	02/16/11 10:40	1		57	41	103	83	98	103
5M64716.D	AC57098-001(	Aqueous	02/16/11 11:32	1		82	67	101	65	109	107
5M64717.D	AC57098-001(	Aqueous	02/16/11 11:55	1		77	64	106	68	109	110

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M19517.D	EF-3 V-1014(	Aqueous	02/22/11 12:23	1		81	63	98	96	96	103
5M64793.D	WMB4565	Aqueous	02/22/11 08:38	1		67	46	94	96	96	100
10M19511.D	AC57098-005(	Aqueous	02/22/11 10:10	1		77	60	102	100	99	102
5M64714.D	WMB4536(MS	Aqueous	02/16/11 10:40	1		57	41	103	83	98	103
5M64715.D	AC57098-001(	Aqueous	02/16/11 11:08	1		85	72	102	94	111	105
5M64716.D	AC57098-001(	Aqueous	02/16/11 11:32	1		82	67	101	65	109	107
5M64717.D	AC57098-001(	Aqueous	02/16/11 11:55	1		77	64	106	68	109	110
5M64794.D	WMB4565(MS	Aqueous	02/22/11 09:02	1		62	41	100	85	97	100

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M64838.D	WMB4585	Aqueous	02/24/11 10:42	1		64	43	99	96	100	103
5M64852.D	EF-3 V-1014(	Aqueous	02/24/11 16:11	1		67	45	101	99	98	110
5M64839.D	AC57098-010(	Aqueous	02/24/11 11:05	1		88	71	102	102	106	113
5M64837.D	WMB4585(MS	Aqueous	02/24/11 10:18	1		65	44	108	86	106	107
5M64840.D	AC57098-010(	Aqueous	02/24/11 11:28	1		82	68	103	79	107	110
5M64841.D	AC57098-010(	Aqueous	02/24/11 11:52	1		74	59	108	79	110	109

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M64934.D	WMB4624	Aqueous	03/01/11 10:06	1		75	50	111	111	112	121
5M64948.D	EF-3 V-1014(	Aqueous	03/01/11 15:38	1		50	35	102	104	105	126
5M64938.D	AC57098-015(	Aqueous	03/01/11 11:41	1		65	44	100	103	105	111
5M64837.D	WMB4585(MS	Aqueous	02/24/11 10:18	1		65	44	108	86	106	107
5M64839.D	AC57098-010(	Aqueous	02/24/11 11:05	1		88	71	102	102	106	113
5M64840.D	AC57098-010(	Aqueous	02/24/11 11:28	1		82	68	103	79	107	110
5M64841.D	AC57098-010(	Aqueous	02/24/11 11:52	1		74	59	108	79	110	109
9M32515.D	WMB4624(MS	Aqueous	03/01/11 10:05	1		67	44	112	95	119	119

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M19711.D	WMB4657	Aqueous	03/04/11 11:04	1		78	52	111	113	120	118
10M19732.D	EF-3 V-1014(	Aqueous	03/04/11 18:50	1		61	42	109	107	118	123
10M19719.D	AC57098-020(	Aqueous	03/04/11 14:02	1		64	45	115	105	121	119
5M64837.D	WMB4585(MS	Aqueous	02/24/11 10:18	1		65	44	108	86	106	107
5M64839.D	AC57098-010(	Aqueous	02/24/11 11:05	1		88	71	102	102	106	113
5M64840.D	AC57098-010(	Aqueous	02/24/11 11:28	1		82	68	103	79	107	110
5M64841.D	AC57098-010(	Aqueous	02/24/11 11:52	1		74	59	108	79	110	109
5M65035.D	WMB4657(MS	Aqueous	03/04/11 12:18	1		64	47	108	80	120	109

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64714.D	WMB4536(MS)	2/16/2011 10:40:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	13.3	0	100	13	1	93
Phenol	1	37	0	100	37	32	98
2-Chlorophenol	1	84.98	0	100	85	64	108
1,4-Dichlorobenzene	1	69.21	0	100	69	52	110
2-Methylphenol	1	77.93	0	100	78	58	113
Hexachloroethane	1	65.12	0	100	65	57	116
N-Nitroso-di-n-propylamine	1	95.67	0	100	96	49	118
3&4-Methylphenol	1	70.27	0	100	70	64	98
Nitrobenzene	1	94.58	0	100	95	80	115
2,4-Dimethylphenol	1	85.15	0	100	85	54	122
1,2,4-Trichlorobenzene	1	78.01	0	100	78	52	120
Naphthalene	1	79.58	0	100	80	61	116
Hexachlorobutadiene	1	77.21	0	100	77	61	118
4-Chloro-3-methylphenol	1	89.22	0	100	89	71	119
2,4,6-Trichlorophenol	1	99.81	0	100	100	89	124
2,4,5-Trichlorophenol	1	99.37	0	100	99	89	129
Acenaphthene	1	91.07	0	100	91	75	110
2,4-Dinitrotoluene	1	100.77	0	100	101	64	120
4-Nitrophenol	1	42.05	0	100	42	35	116
Fluorene	1	91.11	0	100	91	73	113
Hexachlorobenzene	1	95.7	0	100	96	61	120
Pentachlorophenol	1	107.96	0	100	108	76	140
Pyrene	1	96.14	0	100	96	76	118
Butylbenzylphthalate	1	100.53	0	100	101	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	24.7	0	100	25	1	93
Phenol	1	61.03	0	100	61	32	98
2-Chlorophenol	1	95.73	0	100	96	64	108
1,4-Dichlorobenzene	1	90.03	0	100	90	52	110
2-Methylphenol	1	97.43	0	100	97	58	113
Hexachloroethane	1	89.38	0	100	89	57	116
N-Nitroso-di-n-propylamine	1	97.45	0	100	97	49	118
3&4-Methylphenol	1	91.58	0	100	92	64	98
Nitrobenzene	1	98.7	0	100	99	80	115
2,4-Dimethylphenol	1	96.44	0	100	96	54	122
1,2,4-Trichlorobenzene	1	87.58	0	100	88	52	120
Naphthalene	1	162.34	97.78	100	65	61	116
Hexachlorobutadiene	1	89.13	0	100	89	61	118
4-Chloro-3-methylphenol	1	102.94	0	100	103	71	119
2,4,6-Trichlorophenol	1	110.89	0	100	111	89	124
2,4,5-Trichlorophenol	1	108.99	0	100	109	89	129
Acenaphthene	1	109.14	12.28	100	97	75	110
2,4-Dinitrotoluene	1	106.44	0	100	106	64	120
4-Nitrophenol	1	76.54	0	100	77	35	116
Fluorene	1	99.84	5.47	100	94	73	113
Hexachlorobenzene	1	96.25	0	100	96	61	120
Pentachlorophenol	1	127.92	0	100	128	76	140
Pyrene	1	101.33	0	100	101	76	118
Butylbenzylphthalate	1	107.18	0	100	107	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.4	0	100	15	1	93
Phenol	1	56.93	0	100	57	32	98
2-Chlorophenol	1	95.9	0	100	96	64	108
1,4-Dichlorobenzene	1	97.11	0	100	97	52	110
2-Methylphenol	1	94.03	0	100	94	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	102.28	0	100	102	49	118
3&4-Methylphenol	1	87.7	0	100	88	64	98
Nitrobenzene	1	103.49	0	100	103	80	115
2,4-Dimethylphenol	1	97.26	0	100	97	54	122
1,2,4-Trichlorobenzene	1	91.87	0	100	92	52	120
Naphthalene	1	169.96	97.78	100	72	61	116
Hexachlorobutadiene	1	94.86	0	100	95	61	118
4-Chloro-3-methylphenol	1	103.15	0	100	103	71	119
2,4,6-Trichlorophenol	1	107.49	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.54	0	100	106	89	129
Acenaphthene	1	105.51	12.28	100	93	75	110
2,4-Dinitrotoluene	1	104.44	0	100	104	64	120
4-Nitrophenol	1	69.68	0	100	70	35	116
Fluorene	1	99.9	5.47	100	94	73	113
Hexachlorobenzene	1	98.03	0	100	98	61	120
Pentachlorophenol	1	123.32	0	100	123	76	140
Pyrene	1	103.97	0	100	104	76	118
Butylbenzylphthalate	1	109.16	0	100	109	66	127

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Duplicate(If applicable):	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.4	24.7	46 *	27
Phenol	1	56.93	61.03	7	27
2-Chlorophenol	1	95.9	95.73	0.18	21
1,4-Dichlorobenzene	1	97.11	90.03	7.6	30
2-Methylphenol	1	94.03	97.43	3.6	25
Hexachloroethane	1	95.79	89.38	6.9	27
N-Nitroso-di-n-propylamine	1	102.28	97.45	4.8	14
3&4-Methylphenol	1	87.7	91.58	4.3	27
Nitrobenzene	1	103.49	98.7	4.7	27
2,4-Dimethylphenol	1	97.26	96.44	0.85	18
1,2,4-Trichlorobenzene	1	91.87	87.58	4.8	17
Naphthalene	1	169.96	162.34	4.6	16
Hexachlorobutadiene	1	94.86	89.13	6.2	27
4-Chloro-3-methylphenol	1	103.15	102.94	0.2	16
2,4,6-Trichlorophenol	1	107.49	110.89	3.1	27
2,4,5-Trichlorophenol	1	105.54	108.99	3.2	27
Acenaphthene	1	105.51	109.14	3.4	14
2,4-Dinitrotoluene	1	104.44	106.44	1.9	13
4-Nitrophenol	1	69.68	76.54	9.4	41
Fluorene	1	99.9	99.84	0.06	14
Hexachlorobenzene	1	98.03	96.25	1.8	27
Pentachlorophenol	1	123.32	127.92	3.7	31
Pyrene	1	103.97	101.33	2.6	13
Butylbenzylphthalate	1	109.16	107.18	1.8	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: WMB4565

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64794.D	WMB4565(MS)	2/22/2011 9:02:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	28.24	0	100	28	1	93
Phenol	1	40.11	0	100	40	32	98
2-Chlorophenol	1	94.58	0	100	95	64	108
1,4-Dichlorobenzene	1	97.42	0	100	97	52	110
2-Methylphenol	1	86.89	0	100	87	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	94.33	0	100	94	49	118
3&4-Methylphenol	1	78.09	0	100	78	64	98
Nitrobenzene	1	104.19	0	100	104	80	115
2,4-Dimethylphenol	1	89.49	0	100	89	54	122
1,2,4-Trichlorobenzene	1	92.7	0	100	93	52	120
Naphthalene	1	93.36	0	100	93	61	116
Hexachlorobutadiene	1	96.86	0	100	97	61	118
4-Chloro-3-methylphenol	1	96.65	0	100	97	71	119
2,4,6-Trichlorophenol	1	106	0	100	106	89	124
2,4,5-Trichlorophenol	1	102.62	0	100	103	89	129
Acenaphthene	1	95.76	0	100	96	75	110
2,4-Dinitrotoluene	1	105.43	0	100	105	64	120
4-Nitrophenol	1	45.81	0	100	46	35	116
Fluorene	1	95.79	0	100	96	73	113
Hexachlorobenzene	1	101.05	0	100	101	61	120
Pentachlorophenol	1	110.12	0	100	110	76	140
Pyrene	1	103.05	0	100	103	76	118
Butylbenzylphthalate	1	104.74	0	100	105	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64837.D	WMB4585(MS)	2/24/2011 10:18:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	18.76	0	100	19	1	93
Phenol	1	40.27	0	100	40	32	98
2-Chlorophenol	1	92.32	0	100	92	64	108
1,4-Dichlorobenzene	1	80.14	0	100	80	52	110
2-Methylphenol	1	87.6	0	100	88	58	113
Hexachloroethane	1	79.08	0	100	79	57	116
N-Nitroso-di-n-propylamine	1	95.29	0	100	95	49	118
3&4-Methylphenol	1	77.94	0	100	78	64	98
Nitrobenzene	1	105.96	0	100	106	80	115
2,4-Dimethylphenol	1	96.52	0	100	97	54	122
1,2,4-Trichlorobenzene	1	89.96	0	100	90	52	120
Naphthalene	1	91.16	0	100	91	61	116
Hexachlorobutadiene	1	92.47	0	100	92	61	118
4-Chloro-3-methylphenol	1	99.4	0	100	99	71	119
2,4,6-Trichlorophenol	1	110.03	0	100	110	89	124
2,4,5-Trichlorophenol	1	104.55	0	100	105	89	129
Acenaphthene	1	101.64	0	100	102	75	110
2,4-Dinitrotoluene	1	111.09	0	100	111	64	120
4-Nitrophenol	1	47.81	0	100	48	35	116
Fluorene	1	99.15	0	100	99	73	113
Hexachlorobenzene	1	101.42	0	100	101	61	120
Pentachlorophenol	1	112.09	0	100	112	76	140
Pyrene	1	102.43	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	9.32	0	100	9.3	1	93
Phenol	1	60.33	0	100	60	32	98
2-Chlorophenol	1	91.73	0	100	92	64	108
1,4-Dichlorobenzene	1	94.35	0	100	94	52	110
2-Methylphenol	1	91.32	0	100	91	58	113
Hexachloroethane	1	94.05	0	100	94	57	116
N-Nitroso-di-n-propylamine	1	97.05	0	100	97	49	118
3&4-Methylphenol	1	89.69	0	100	90	64	98
Nitrobenzene	1	101.08	0	100	101	80	115
2,4-Dimethylphenol	1	91.89	0	100	92	54	122
1,2,4-Trichlorobenzene	1	90.39	0	100	90	52	120
Naphthalene	1	121.43	36.02	100	85	61	116
Hexachlorobutadiene	1	95.27	0	100	95	61	118
4-Chloro-3-methylphenol	1	100.98	0	100	101	71	119
2,4,6-Trichlorophenol	1	106.98	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.19	0	100	105	89	129
Acenaphthene	1	102.91	5.29	100	98	75	110
2,4-Dinitrotoluene	1	109.21	0	100	109	64	120
4-Nitrophenol	1	73.79	0	100	74	35	116
Fluorene	1	101.38	2.3	100	99	73	113
Hexachlorobenzene	1	102.66	0	100	103	61	120
Pentachlorophenol	1	116.29	0	100	116	76	140
Pyrene	1	106.27	0	100	106	76	118
Butylbenzylphthalate	1	110.92	0	100	111	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.1	0	100	15	1	93
Phenol	1	53.52	0	100	54	32	98
2-Chlorophenol	1	92.2	0	100	92	64	108
1,4-Dichlorobenzene	1	87.66	0	100	88	52	110
2-Methylphenol	1	87.22	0	100	87	58	113
Hexachloroethane	1	90.47	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	96.7	0	100	97	49	118
3&4-Methylphenol	1	82.34	0	100	82	64	98
Nitrobenzene	1	105.36	0	100	105	80	115
2,4-Dimethylphenol	1	97.32	0	100	97	54	122
1,2,4-Trichlorobenzene	1	88.71	0	100	89	52	120
Naphthalene	1	117.52	36.02	100	82	61	116
Hexachlorobutadiene	1	94.18	0	100	94	61	118
4-Chloro-3-methylphenol	1	101.41	0	100	101	71	119
2,4,6-Trichlorophenol	1	108.27	0	100	108	89	124
2,4,5-Trichlorophenol	1	109.47	0	100	109	89	129
Acenaphthene	1	100.97	5.29	100	96	75	110
2,4-Dinitrotoluene	1	106.96	0	100	107	64	120
4-Nitrophenol	1	63.45	0	100	63	35	116
Fluorene	1	100.26	2.3	100	98	73	113
Hexachlorobenzene	1	100.09	0	100	100	61	120
Pentachlorophenol	1	119.38	0	100	119	76	140
Pyrene	1	101.11	0	100	101	76	118
Butylbenzylphthalate	1	109.85	0	100	110	66	127

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Duplicate(If applicable):	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.1	9.32	47*	27
Phenol	1	53.52	60.33	12	27
2-Chlorophenol	1	92.2	91.73	0.51	21
1,4-Dichlorobenzene	1	87.66	94.35	7.4	30
2-Methylphenol	1	87.22	91.32	4.6	25
Hexachloroethane	1	90.47	94.05	3.9	27
N-Nitroso-di-n-propylamine	1	96.7	97.05	0.36	14
3&4-Methylphenol	1	82.34	89.69	8.5	27
Nitrobenzene	1	105.36	101.08	4.1	27
2,4-Dimethylphenol	1	97.32	91.89	5.7	18
1,2,4-Trichlorobenzene	1	88.71	90.39	1.9	17
Naphthalene	1	117.52	121.43	3.3	16
Hexachlorobutadiene	1	94.18	95.27	1.2	27
4-Chloro-3-methylphenol	1	101.41	100.98	0.42	16
2,4,6-Trichlorophenol	1	108.27	106.98	1.2	27
2,4,5-Trichlorophenol	1	109.47	105.19	4	27
Acenaphthene	1	100.97	102.91	1.9	14
2,4-Dinitrotoluene	1	106.96	109.21	2.1	13
4-Nitrophenol	1	63.45	73.79	15	41
Fluorene	1	100.26	101.38	1.1	14
Hexachlorobenzene	1	100.09	102.66	2.5	27
Pentachlorophenol	1	119.38	116.29	2.6	31
Pyrene	1	101.11	106.27	5	13
Butylbenzylphthalate	1	109.85	110.92	0.97	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: WMB4624

Data File	Sample ID:	Analysis Date
Spike or Dup: 9M32515.D	WMB4624(MS)	3/1/2011 10:05:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	34.57	0	100	35	1	93
Phenol	1	38.25	0	100	38	32	98
2-Chlorophenol	1	87.95	0	100	88	64	108
1,4-Dichlorobenzene	1	93.06	0	100	93	52	110
2-Methylphenol	1	80.38	0	100	80	58	113
Hexachloroethane	1	91.13	0	100	91	57	116
N-Nitroso-di-n-propylamine	1	93.27	0	100	93	49	118
3&4-Methylphenol	1	75.93	0	100	76	64	98
Nitrobenzene	1	102.35	0	100	102	80	115
2,4-Dimethylphenol	1	85.79	0	100	86	54	122
1,2,4-Trichlorobenzene	1	90.96	0	100	91	52	120
Naphthalene	1	90.88	0	100	91	61	116
Hexachlorobutadiene	1	92.77	0	100	93	61	118
4-Chloro-3-methylphenol	1	97.4	0	100	97	71	119
2,4,6-Trichlorophenol	1	101.47	0	100	101	89	124
2,4,5-Trichlorophenol	1	103.11	0	100	103	89	129
Acenaphthene	1	94.23	0	100	94	75	110
2,4-Dinitrotoluene	1	98.21	0	100	98	64	120
4-Nitrophenol	1	38.46	0	100	38	35	116
Fluorene	1	95.74	0	100	96	73	113
Hexachlorobenzene	1	96.9	0	100	97	61	120
Pentachlorophenol	1	103.35	0	100	103	76	140
Pyrene	1	102.49	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4657

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M65035.D	WMB4657(MS)	3/4/2011 12:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	5.83	0	100	5.8	1	93
Phenol	1	39.55	0	100	40	32	98
2-Chlorophenol	1	87.28	0	100	87	64	108
1,4-Dichlorobenzene	1	90.28	0	100	90	52	110
2-Methylphenol	1	80.07	0	100	80	58	113
Hexachloroethane	1	90.17	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	93.31	0	100	93	49	118
3&4-Methylphenol	1	73	0	100	73	64	98
Nitrobenzene	1	94.17	0	100	94	80	115
2,4-Dimethylphenol	1	86.78	0	100	87	54	122
1,2,4-Trichlorobenzene	1	85.17	0	100	85	52	120
Naphthalene	1	90	0	100	90	61	116
Hexachlorobutadiene	1	90.07	0	100	90	61	118
4-Chloro-3-methylphenol	1	98.86	0	100	99	71	119
2,4,6-Trichlorophenol	1	95.09	0	100	95	89	124
2,4,5-Trichlorophenol	1	97.72	0	100	98	89	129
Acenaphthene	1	90.74	0	100	91	75	110
2,4-Dinitrotoluene	1	104.94	0	100	105	64	120
4-Nitrophenol	1	41.88	0	100	42	35	116
Fluorene	1	86.45	0	100	86	73	113
Hexachlorobenzene	1	90.54	0	100	91	61	120
Pentachlorophenol	1	97.29	0	100	97	76	140
Pyrene	1	91.81	0	100	92	76	118
Butylbenzylphthalate	1	96.78	0	100	97	66	127

* - Indicates outside of limits

FORM 4
Blank Summary

Blank Number: WMB4536
Blank Data File: 5M64713.D
Matrix: Aqueous

Blank Analysis Date: 02/16/11 10:16
Blank Extraction Date: 02/15/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57098-001(T)	5M64715.D	02/16/11 11:08
EF-3 V-1014(02/11	9M32373.D	02/17/11 12:01
AC57098-001(T)(M	5M64717.D	02/16/11 11:55
AC57098-001(T)(M	5M64716.D	02/16/11 11:32
WMB4536(MS)	5M64714.D	02/16/11 10:40

FORM 4
Blank Summary

Blank Number: WMB4565
Blank Data File: 5M64793.D
Matrix: Aqueous

Blank Analysis Date: 02/22/11 08:38
Blank Extraction Date: 02/20/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57098-005(T)(R	10M19511.D	02/22/11 10:10
EF-3 V-1014(02/15	10M19517.D	02/22/11 12:23
WMB4565(MS)	5M64794.D	02/22/11 09:02

FORM 4
Blank Summary

Blank Number: WMB4585
Blank Data File: 5M64838.D
Matrix: Aqueous

Blank Analysis Date: 02/24/11 10:42
Blank Extraction Date: 02/23/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57098-010(T)	5M64839.D	02/24/11 11:05
EF-3 V-1014(02/20	5M64852.D	02/24/11 16:11
AC57098-010(T)(M	5M64841.D	02/24/11 11:52
AC57098-010(T)(M	5M64840.D	02/24/11 11:28
WMB4585(MS)	5M64837.D	02/24/11 10:18

FORM 4
Blank Summary

Blank Number: WMB4585
Blank Data File: 5M64838.D
Matrix: Aqueous

Blank Analysis Date: 02/24/11 10:42
Blank Extraction Date: ~~NA~~ 2/23/11 (If Applicable)
Method: EPA 8270C

1w 3.3.11

Sample Number	Data File	Analysis Date
AC57098-010(T)(M	5M64841.D	02/24/11 11:52
AC57098-010(T)(M	5M64840.D	02/24/11 11:28
AC57098-010(T)	5M64839.D	02/24/11 11:05
WMB4585(MS)	5M64837.D	02/24/11 10:18

FORM 4
Blank Summary

Blank Number: WMB4624
Blank Data File: 5M64934.D
Matrix: Aqueous

Blank Analysis Date: 03/01/11 10:06
Blank Extraction Date: 02/28/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57098-015(T)	5M64938.D	03/01/11 11:41
EF-3 V-1014(02/25	5M64948.D	03/01/11 15:38
WMB4624(MS)	9M32515.D	03/01/11 10:05

FORM 4
Blank Summary

Blank Number: WMB4585
Blank Data File: 5M64838.D
Matrix: Aqueous

Blank Analysis Date: 02/24/11 10:42
Blank Extraction Date: NA 2/23/11 (If Applicable) 4.3.8.11
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57098-010(T)(M	5M64841.D	02/24/11 11:52
AC57098-010(T)(M	5M64840.D	02/24/11 11:28
AC57098-010(T)	5M64839.D	02/24/11 11:05
WMB4585(MS)	5M64837.D	02/24/11 10:18

FORM 4
Blank Summary

Blank Number: WMB4657
Blank Data File: 10M19711.D
Matrix: Aqueous

Blank Analysis Date: 03/04/11 11:04
Blank Extraction Date: 03/03/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57098-020(T)	10M19719.D	03/04/11 14:02
EF-3 V-1014(03/02	10M19732.D	03/04/11 18:50
WMB4657(MS)	5M65035.D	03/04/11 12:18

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64598.D
Analysis Date: 02/09/11 09:20
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.594 to 9.604 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.2	40084	PASS
68	69	0.00	2	0.7	270	PASS
69	198	0.00	100	52.6	38884	PASS
70	69	0.00	2	0.8	325	PASS
127	198	40	60	59.4	43930	PASS
197	198	0.00	1	1.0	729	PASS
198	198	100	100	100.0	73955	PASS
199	198	5	9	7.1	5218	PASS
275	198	10	30	17.5	12958	PASS
365	198	1	100	2.1	1530	PASS
441	443	0.01	100	78.3	6413	PASS
442	198	40	100	57.0	42127	PASS
443	442	17	23	19.4	8191	PASS

Data File	Sample Number	Analysis Date:
5M64599.D	CAL BNA@50PPM	02/09/11 09:44
5M64600.D	CAL BNA@196PP	02/09/11 10:07
5M64601.D	CAL BNA@160PP	02/09/11 10:30
5M64602.D	CAL BNA@120PP	02/09/11 10:54
5M64603.D	CAL BNA@80PPM	02/09/11 11:18
5M64604.D	CAL BNA@20PPM	02/09/11 11:42
5M64605.D	CAL BNA@10PPM	02/09/11 12:06
5M64606.D	CAL BNA@2PPM	02/09/11 12:30
5M64607.D	CAL BNA@0.5PP	02/09/11 12:53
5M64608.D	CAL BNA@50PPM	02/09/11 13:17
5M64609.D	CAL BNA@25PPM	02/09/11 13:40
5M64610.D	CAL BNA@30PPM	02/09/11 14:04
5M64611.D	ICV BNA@50PPM	02/09/11 14:35
5M64612.D	WMB4476(MS)	02/09/11 15:12
5M64613.D	WMB4476	02/09/11 15:35
5M64614.D	AC57151-001	02/09/11 15:58
5M64615.D	AC57156-001	02/09/11 16:22
5M64616.D	AC57151-003	02/09/11 16:45
5M64617.D	AC57156-002	02/09/11 17:09
5M64618.D	MLCL2-TEST	02/09/11 17:32

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19414.D
Analysis Date: 02/09/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.827 to 9.832 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	67756	PASS
68	69	0.00	2	1.4	844	PASS
69	198	0.00	100	45.1	58768	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	54.3	70736	PASS
197	198	0.00	1	0.2	294	PASS
198	198	100	100	100.0	130260	PASS
199	198	5	9	6.9	9032	PASS
275	198	10	30	19.1	24864	PASS
365	198	1	100	2.3	2981	PASS
441	443	0.01	100	73.5	10493	PASS
442	198	40	100	54.4	70844	PASS
443	442	17	23	20.1	14268	PASS

Data File	Sample Number	Analysis Date:
10M19415.D	CAL BNA@50PPM	02/09/11 09:39
10M19416.D	CAL BNA@196PP	02/09/11 10:03
10M19417.D	CAL BNA@160PP	02/09/11 10:26
10M19418.D	CAL BNA@120PP	02/09/11 10:48
10M19419.D	CAL BNA@80PPM	02/09/11 11:10
10M19420.D	CAL BNA@20PPM	02/09/11 11:33
10M19421.D	CAL BNA@10PPM	02/09/11 11:55
10M19422.D	CAL BNA@2PPM	02/09/11 12:17
10M19423.D	CAL BNA@0.5PP	02/09/11 12:39
10M19424.D	CAL BNA@50PPM	02/09/11 13:01
10M19425.D	CAL BNA@25PPM	02/09/11 13:24
10M19426.D	CAL BNA@30PPM	02/09/11 13:55
10M19427.D	ICV BNA@50PPM	02/09/11 14:17
10M19428.D	WMB4476	02/09/11 15:09
10M19429.D	AC57153-001	02/09/11 15:31
10M19430.D	AC57023-003(T)	02/09/11 15:53
10M19431.D	EF-SPLP V-10679	02/09/11 16:16
10M19432.D	AC57154-001	02/09/11 16:38
10M19433.D	MBS-A	02/09/11 17:00
10M19434.D	MBS-B	02/09/11 17:22
10M19435.D	MBS-C	02/09/11 17:44
10M19436.D	MBS-D	02/09/11 18:06

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32186.D
Instrument: GCMS 9 **Analysis Date:** 02/09/11 09:29
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.703 to 9.714 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	38.7	38942	PASS
68	69	0.00	2	1.7	708	PASS
69	198	0.00	100	42.5	42744	PASS
70	69	0.00	2	0.5	206	PASS
127	198	40	60	53.9	54198	PASS
197	198	0.00	1	0.5	496	PASS
198	198	100	100	100.0	100536	PASS
199	198	5	9	6.8	6856	PASS
275	198	10	30	20.9	21034	PASS
365	198	1	100	2.0	2019	PASS
441	443	0.01	100	77.8	6639	PASS
442	198	40	100	42.9	43152	PASS
443	442	17	23	19.8	8536	PASS

Data File	Sample Number	Analysis Date:
9M32187.D	CAL BNA@50PPM	02/09/11 09:52
9M32188.D	CAL BNA@196PP	02/09/11 10:15
9M32189.D	CAL BNA@160PP	02/09/11 10:38
9M32190.D	CAL BNA@120PP	02/09/11 11:05
9M32191.D	CAL BNA@80PPM	02/09/11 11:28
9M32192.D	CAL BNA@20PPM	02/09/11 11:51
9M32193.D	CAL BNA@10PPM	02/09/11 12:14
9M32194.D	CAL BNA@2PPM	02/09/11 12:37
9M32195.D	CAL BNA@0.5PP	02/09/11 13:00
9M32196.D	CAL BNA@50PPM	02/09/11 13:26
9M32197.D	BNA@25PPM	02/09/11 13:49
9M32198.D	BNA@30PPM	02/09/11 14:12
9M32199.D	ICV BNA@50PPM	02/09/11 14:36
9M32200.D	SMB4479	02/09/11 15:09
9M32201.D	SMB4479(MS)	02/09/11 15:31
9M32202.D	AC57095-001	02/09/11 15:54
9M32203.D	AC57095-001(5X)	02/09/11 16:19
9M32204.D	MBS4479-1	02/09/11 16:42
9M32205.D	MBS4479-2	02/09/11 17:04
9M32206.D	MBS4479-3	02/09/11 17:27
9M32207.D	MBS4479-4	02/09/11 17:50

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64711.D
Instrument: GCMS 5 **Analysis Date:** 02/16/11 09:14
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.572 to 9.583 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	48.1	52565	PASS
68	69	0.00	2	1.9	1016	PASS
69	198	0.00	100	48.2	52654	PASS
70	69	0.00	2	0.6	299	PASS
127	198	40	60	58.0	63400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109340	PASS
199	198	5	9	6.5	7106	PASS
275	198	10	30	18.0	19696	PASS
365	198	1	100	2.3	2484	PASS
441	443	0.01	100	80.6	9770	PASS
442	198	40	100	59.3	64833	PASS
443	442	17	23	18.7	12124	PASS

Data File	Sample Number	Analysis Date:
5M64712.D	CAL BNA@50PPM	02/16/11 09:50
5M64713.D	WMB4536	02/16/11 10:16
5M64714.D	WMB4536(MS)	02/16/11 10:40
5M64715.D	AC57098-001(T)	02/16/11 11:08
5M64716.D	AC57098-001(T)(M	02/16/11 11:32
5M64717.D	AC57098-001(T)(M	02/16/11 11:55
5M64718.D	AC57098-002(T)	02/16/11 12:19
5M64719.D	AC57098-003(T)	02/16/11 12:43
5M64720.D	WMB4538(MS)	02/16/11 13:07
5M64721.D	WMB4538	02/16/11 13:30
5M64722.D	AC57098-004(T)	02/16/11 13:54
5M64723.D	AC57277-001(10X)	02/16/11 14:17
5M64724.D	AC57224-006(10X)	02/16/11 14:41
5M64725.D	AC57277-001(5X)	02/16/11 15:04
5M64726.D	AC57273-001	02/16/11 15:28
5M64727.D	AC57274-001	02/16/11 15:52
5M64728.D	AC57232-010	02/16/11 16:16
5M64729.D	AC57242-001(MS)	02/16/11 16:39
5M64730.D	AC57242-001(MSD	02/16/11 17:15
5M64731.D	AC57242-001	02/16/11 17:39
5M64732.D	AC57242-002	02/16/11 18:03
5M64733.D	AC57246-005	02/16/11 18:27
5M64734.D	AC57274-001	02/16/11 18:50
5M64735.D	AC57232-010	02/16/11 19:13
5M64736.D	AC57100-001(T)	02/16/11 19:37
5M64737.D	AC57100-003(T)	02/16/11 20:01
5M64738.D	AC57100-004(T)	02/16/11 20:25
5M64739.D	AC57100-005(T)	02/16/11 20:48
5M64740.D	EF-3 V-1014(02/11	02/16/11 21:11
5M64741.D	EF-3 V-1014(02/12	02/16/11 21:35
5M64742.D	EF-3 V-1014(02/13	02/16/11 21:58
5M64743.D	EF-3 V-1014(02/14	02/16/11 22:22
5M64744.D	AC57251-004	02/16/11 22:46
5M64745.D	AC57251-005	02/16/11 23:09
5M64746.D	AC57251-006	02/16/11 23:33
5M64747.D	AC57251-008	02/16/11 23:57
5M64748.D	AC57239-001	02/17/11 00:20
5M64749.D	AC57239-002	02/17/11 00:43
5M64750.D	AC57239-003	02/17/11 01:07
5M64751.D	AC57239-004	02/17/11 01:30
5M64752.D	AC57226-001	02/17/11 01:53
5M64753.D	AC57226-002	02/17/11 02:17
5M64754.D	AC57259-012	02/17/11 02:40

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32364.D
Instrument: GCMS 9 **Analysis Date:** 02/17/11 08:28
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.661 to 9.672 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.3	45446	PASS
68	69	0.00	2	1.5	752	PASS
69	198	0.00	100	43.6	49155	PASS
70	69	0.00	2	0.6	285	PASS
127	198	40	60	54.7	61607	PASS
197	198	0.00	1	0.5	587	PASS
198	198	100	100	100.0	112648	PASS
199	198	5	9	6.5	7352	PASS
275	198	10	30	20.9	23585	PASS
365	198	1	100	2.0	2305	PASS
441	443	0.01	100	88.3	7662	PASS
442	198	40	100	41.6	46835	PASS
443	442	17	23	18.5	8676	PASS

Data File	Sample Number	Analysis Date:
9M32365.D	CAL BNA@50PPM	02/17/11 08:52
9M32366.D	WMB4536	02/17/11 09:18
9M32367.D	WMB4538	02/17/11 09:41
9M32368.D	AC57232-010	02/17/11 10:04
9M32369.D	AC57100-001(T)	02/17/11 10:28
9M32370.D	AC57100-003(T)	02/17/11 10:51
9M32371.D	AC57100-004(T)	02/17/11 11:14
9M32372.D	AC57100-005(T)	02/17/11 11:37
9M32373.D	EF-3 V-1014(02/11	02/17/11 12:01
9M32374.D	EF-3 V-1014(02/12	02/17/11 12:24
9M32375.D	EF-3 V-1014(02/13	02/17/11 12:47
9M32376.D	EF-3 V-1014(02/14	02/17/11 13:10
9M32377.D	WMB4546	02/17/11 13:34
9M32378.D	WMB4536	02/17/11 13:57
9M32379.D	AC57241-003	02/17/11 14:21
9M32380.D	EF-SPLP V-10679	02/17/11 14:44
9M32381.D	AC57120-001(T)	02/17/11 15:07
9M32382.D	AC57141-001(T)	02/17/11 15:29

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64791.D
Instrument: GCMS 5 **Analysis Date:** 02/22/11 07:27
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.556 to 9.567 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	29999	PASS
68	69	0.00	2	1.4	383	PASS
69	198	0.00	100	48.7	28112	PASS
70	69	0.00	2	0.7	211	PASS
127	198	40	60	55.8	32208	PASS
197	198	0.00	1	0.2	93	PASS
198	198	100	100	100.0	57735	PASS
199	198	5	9	7.0	4026	PASS
275	198	10	30	17.1	9870	PASS
365	198	1	100	2.4	1361	PASS
441	443	0.01	100	88.0	5750	PASS
442	198	40	100	61.5	35506	PASS
443	442	17	23	18.4	6535	PASS

Data File	Sample Number	Analysis Date:
5M64792.D	CAL BNA@50PPM	02/22/11 07:57
5M64793.D	WMB4565	02/22/11 08:38
5M64794.D	WMB4565(MS)	02/22/11 09:02
5M64795.D	WMB4567(MS)	02/22/11 09:25
5M64796.D	WMB4567	02/22/11 09:49
5M64797.D	AC57285-005	02/22/11 10:12
5M64798.D	AC57285-005(MS)	02/22/11 10:36
5M64799.D	AC57285-005(MSD	02/22/11 10:59
5M64800.D	AC57285-010(5X)	02/22/11 11:22
5M64801.D	AC57285-004	02/22/11 11:46
5M64802.D	AC57285-007	02/22/11 12:09
5M64803.D	AC57285-008	02/22/11 12:33
5M64804.D	WMB4569(MS)	02/22/11 12:56
5M64805.D	WMB4569	02/22/11 13:20
5M64806.D	AC57306-002	02/22/11 13:43
5M64807.D	AC57306-003(MS:	02/22/11 14:07
5M64808.D	AC57306-004(MSD	02/22/11 14:30
5M64809.D	AC57285-009	02/22/11 14:54
5M64810.D	AC57285-003	02/22/11 15:18
5M64813.D	AC57290-004	02/22/11 16:29

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19508.D
Analysis Date: 02/22/11 08:34
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.800 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.9	58576	PASS
68	69	0.00	2	1.7	828	PASS
69	198	0.00	100	49.2	49739	PASS
70	69	0.00	2	0.7	346	PASS
127	198	40	60	56.2	56832	PASS
197	198	0.00	1	0.8	854	PASS
198	198	100	100	100.0	101192	PASS
199	198	5	9	6.7	6778	PASS
275	198	10	30	19.6	19845	PASS
365	198	1	100	2.3	2292	PASS
441	443	0.01	100	72.5	7491	PASS
442	198	40	100	49.8	50416	PASS
443	442	17	23	20.5	10328	PASS

Data File	Sample Number	Analysis Date:
10M19509.D	CAL BNA@50PPM	02/22/11 08:56
10M19510.D	WMB4565	02/22/11 09:48
10M19511.D	AC57098-005(T)(R	02/22/11 10:10
10M19512.D	AC57098-006(T)(R	02/22/11 10:32
10M19513.D	AC57098-007(T)(R	02/22/11 10:54
10M19514.D	AC57100-006(T)(R	02/22/11 11:17
10M19515.D	AC57100-007(T)(R	02/22/11 11:39
10M19516.D	AC57100-008(T)(R	02/22/11 12:01
10M19517.D	EF-3 V-1014(02/15	02/22/11 12:23
10M19518.D	AC57100-006(T)(R	02/22/11 12:45
10M19519.D	EF-3 V-1014(02/16	02/22/11 13:07
10M19520.D	EF-3 V-1014(02/17	02/22/11 13:30
10M19521.D	WMB4567	02/22/11 13:52

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64835.D
Instrument: GCMS 5 **Analysis Date:** 02/24/11 07:39
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.549 to 9.560 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.8	36480	PASS
68	69	0.00	2	0.7	231	PASS
69	198	0.00	100	52.8	34516	PASS
70	69	0.00	2	0.5	182	PASS
127	198	40	60	58.4	38192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65354	PASS
199	198	5	9	6.5	4222	PASS
275	198	10	30	17.1	11188	PASS
365	198	1	100	2.0	1296	PASS
441	443	0.01	100	83.7	5549	PASS
442	198	40	100	53.6	35012	PASS
443	442	17	23	18.9	6632	PASS

Data File	Sample Number	Analysis Date:
5M64836.D	CAL BNA@50PPM	02/24/11 09:54
5M64837.D	WMB4585(MS)	02/24/11 10:18
5M64838.D	WMB4585	02/24/11 10:42
5M64839.D	AC57098-010(T)	02/24/11 11:05
5M64840.D	AC57098-010(T)(M	02/24/11 11:28
5M64841.D	AC57098-010(T)(M	02/24/11 11:52
5M64842.D	AC57098-008(T)	02/24/11 12:15
5M64843.D	AC57098-009(T)	02/24/11 12:39
5M64844.D	AC57098-011(T)	02/24/11 13:03
5M64845.D	AC57100-011(T)	02/24/11 13:26
5M64846.D	WMB4595(MS)	02/24/11 13:50
5M64847.D	WMB4595	02/24/11 14:13
5M64848.D	AC57252-002(T)	02/24/11 14:37
5M64849.D	AC57100-012(T)	02/24/11 15:01
5M64850.D	EF-3 V-1014(02/18	02/24/11 15:24
5M64851.D	EF-3 V-1014(02/19	02/24/11 15:48
5M64852.D	EF-3 V-1014(02/20	02/24/11 16:11
5M64853.D	EF-3 V-1014(02/21	02/24/11 16:35
5M64854.D	AC57263-001(T)	02/24/11 16:59
5M64855.D	AC57263-001(T)(M	02/24/11 17:22
5M64856.D	AC57263-001(T)(M	02/24/11 17:46
5M64857.D	AC57382-002(10X)	02/24/11 18:09
5M64858.D	AC57228-003(T)	02/24/11 18:32
5M64859.D	AC57212-002(T)	02/24/11 18:55
5M64860.D	EF-SPLP V-10679	02/24/11 19:19
5M64861.D	EF-1 V-108537(02/	02/24/11 19:42
5M64862.D	AC57332-001(R)	02/24/11 20:06
5M64863.D	AC57374-001	02/24/11 20:29
5M64864.D	AC57374-002	02/24/11 20:52
5M64865.D	AC57374-003	02/24/11 21:16
5M64866.D	AC57374-004	02/24/11 21:39
5M64867.D	AC57374-005	02/24/11 22:02
5M64868.D	AC57374-006	02/24/11 22:25

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M32489.D
Analysis Date: 02/28/11 09:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.645 to 9.655 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.3	37043	PASS
68	69	0.00	2	1.8	732	PASS
69	198	0.00	100	44.9	40285	PASS
70	69	0.00	2	0.7	285	PASS
127	198	40	60	55.0	49262	PASS
197	198	0.00	1	0.5	432	PASS
198	198	100	100	100.0	89626	PASS
199	198	5	9	6.6	5955	PASS
275	198	10	30	20.1	18002	PASS
365	198	1	100	2.1	1849	PASS
441	443	0.01	100	78.9	5450	PASS
442	198	40	100	40.6	36378	PASS
443	442	17	23	19.0	6906	PASS

Data File	Sample Number	Analysis Date:
9M32490.D	CAL BNA@50PPM	02/28/11 10:32
9M32491.D	CAL BNA@2PPM	02/28/11 10:55
9M32492.D	CAL BNA@.5PPM	02/28/11 11:18
9M32493.D	CAL BNA@10PPM	02/28/11 11:42
9M32494.D	CAL BNA@20PPM	02/28/11 12:05
9M32495.D	CAL BNA@80PPM	02/28/11 12:29
9M32496.D	CAL BNA@120PP	02/28/11 12:52
9M32497.D	CAL BNA@160PP	02/28/11 13:33
9M32498.D	CAL BNA@196PP	02/28/11 13:57
9M32499.D	CAL BNA@50PPM	02/28/11 14:20
9M32500.D	ICV BNA@50PPM	02/28/11 14:44
9M32501.D	TEST	02/28/11 15:54
9M32502.D	SMB4591	02/28/11 16:17
9M32503.D	AC57463-012	02/28/11 16:41
9M32504.D	AC57463-013	02/28/11 17:04
9M32505.D	AC57459-001	02/28/11 17:28
9M32506.D	AC57459-002	02/28/11 17:51
9M32507.D	AC57459-003	02/28/11 18:15
9M32508.D	AC57459-004	02/28/11 18:38
9M32509.D	AC57463-005	02/28/11 19:01
9M32510.D	AC57463-006	02/28/11 19:25
9M32511.D	AC57359-002	02/28/11 19:48
9M32512.D	AC57328-004	02/28/11 20:12

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64932.D
Instrument: GCMS 5 **Analysis Date:** 03/01/11 09:14
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.538 to 9.544 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.1	59476	PASS
68	69	0.00	2	1.7	952	PASS
69	198	0.00	100	50.3	55244	PASS
70	69	0.00	2	0.7	363	PASS
127	198	40	60	58.0	63748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109928	PASS
199	198	5	9	6.6	7251	PASS
275	198	10	30	17.4	19125	PASS
365	198	1	100	2.2	2465	PASS
441	443	0.01	100	81.0	8922	PASS
442	198	40	100	55.1	60524	PASS
443	442	17	23	18.2	11009	PASS

Data File	Sample Number	Analysis Date:
5M64933.D	CAL BNA@50PPM	03/01/11 09:38
5M64934.D	WMB4624	03/01/11 10:06
5M64935.D	AC57098-012(T)	03/01/11 10:29
5M64936.D	AC57098-013(T)	03/01/11 10:53
5M64937.D	AC57098-014(T)	03/01/11 11:17
5M64938.D	AC57098-015(T)	03/01/11 11:41
5M64939.D	AC57100-013(T)	03/01/11 12:04
5M64940.D	AC57100-014(T)	03/01/11 12:28
5M64941.D	AC57100-015(T)	03/01/11 12:51
5M64942.D	AC57100-016(T)	03/01/11 13:15
5M64943.D	AC57330-003(T)	03/01/11 13:39
5M64944.D	EF-2 V-109145(02/	03/01/11 14:03
5M64945.D	EF-3 V-1014(02/22	03/01/11 14:26
5M64946.D	EF-3 V-1014(02/23	03/01/11 14:50
5M64947.D	EF-3 V-1014(02/24	03/01/11 15:14
5M64948.D	EF-3 V-1014(02/25	03/01/11 15:38
5M64949.D	WMB4625	03/01/11 16:02
5M64950.D	SMB4620	03/01/11 16:25
5M64951.D	AC57446-009	03/01/11 16:49
5M64952.D	AC57446-011	03/01/11 17:12
5M64953.D	AC57446-013	03/01/11 17:36
5M64954.D	AC57446-020	03/01/11 18:00
5M64955.D	AC57446-003	03/01/11 18:24
5M64956.D	AC57487-011	03/01/11 18:47
5M64957.D	AC57487-013	03/01/11 19:11
5M64958.D	AC57487-003	03/01/11 19:34
5M64959.D	AC57487-007	03/01/11 19:58
5M64960.D	TEST-1	03/01/11 20:21
5M64961.D	TEST-2(G)	03/01/11 20:44

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M32513.D
Analysis Date: 03/01/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.639 to 9.650 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.1	23457	PASS
68	69	0.00	2	1.8	467	PASS
69	198	0.00	100	38.9	25239	PASS
70	69	0.00	2	0.7	186	PASS
127	198	40	60	50.7	32930	PASS
197	198	0.00	1	0.4	279	PASS
198	198	100	100	100.0	64889	PASS
199	198	5	9	6.5	4211	PASS
275	198	10	30	22.0	14272	PASS
365	198	1	100	2.2	1452	PASS
441	443	0.01	100	83.7	4979	PASS
442	198	40	100	48.3	31314	PASS
443	442	17	23	19.0	5950	PASS

Data File	Sample Number	Analysis Date:
9M32514.D	CAL BNA@50PPM	03/01/11 09:41
9M32515.D	WMB4624(MS)	03/01/11 10:05
9M32516.D	WMB4624	03/01/11 10:28
9M32517.D	WMB4616	03/01/11 10:52
9M32518.D	WMB4616(MS)	03/01/11 11:15
9M32519.D	AC57433-002	03/01/11 11:38
9M32520.D	AC57433-002(MS)	03/01/11 12:01
9M32521.D	AC57433-002(MSD	03/01/11 12:24
9M32522.D	WMB4625(MS)	03/01/11 12:47
9M32523.D	WMB4625	03/01/11 13:11
9M32524.D	AC57446-005	03/01/11 13:34
9M32525.D	AC57446-007	03/01/11 13:57
9M32526.D	AC57446-016	03/01/11 14:20
9M32527.D	AC57446-018	03/01/11 14:44
9M32528.D	AC57359-002(5X)	03/01/11 15:07
9M32529.D	AC57446-001	03/01/11 15:30
9M32530.D	AC57446-001(MS)	03/01/11 15:53
9M32531.D	AC57487-031(3X)	03/01/11 16:16
9M32532.D	SMB4620(MS)	03/01/11 16:40
9M32533.D	SMB4620	03/01/11 17:03
9M32534.D	AC57446-001(MSD	03/01/11 17:26
9M32535.D	AC57487-031(3X)(	03/01/11 17:49
9M32536.D	AC57487-031(3X)(	03/01/11 18:12
9M32537.D	AC57487-009	03/01/11 18:36
9M32538.D	AC57487-015	03/01/11 18:59
9M32539.D	AC57487-017	03/01/11 19:22
9M32540.D	AC57446-007(3X)	03/01/11 19:45
9M32541.D	AC57446-016(10X)	03/01/11 20:08
9M32542.D	AC57446-018(200	03/01/11 20:31
9M32543.D	AC57411-006(R)	03/01/11 20:54
9M32544.D	AC57433-001	03/01/11 21:17
9M32545.D	AC57424-001	03/01/11 21:40
9M32546.D	AC57424-002	03/01/11 22:04
9M32547.D	AC57450-001	03/01/11 22:27
9M32548.D	AC57450-002	03/01/11 22:50
9M32549.D	AC57450-003	03/01/11 23:13
9M32550.D	AC57450-004	03/01/11 23:36
9M32551.D	AC57450-005	03/01/11 23:59
9M32552.D	AC57437-002	03/02/11 00:22
9M32553.D	AC57437-004	03/02/11 00:45
9M32554.D	AC57437-006	03/02/11 01:08
9M32555.D	AC57437-008	03/02/11 01:32

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19637.D
Instrument: GCMS 10 **Analysis Date:** 03/02/11 13:17
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.795 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	39.1	27098	PASS
68	69	0.00	2	0.9	222	PASS
69	198	0.00	100	35.2	24393	PASS
70	69	0.00	2	0.5	124	PASS
127	198	40	60	45.7	31615	PASS
197	198	0.00	1	0.9	628	PASS
198	198	100	100	100.0	69232	PASS
199	198	5	9	6.0	4139	PASS
275	198	10	30	22.3	15417	PASS
365	198	1	100	3.2	2239	PASS
441	443	0.01	100	73.1	8163	PASS
442	198	40	100	84.8	58700	PASS
443	442	17	23	19.0	11160	PASS

Data File	Sample Number	Analysis Date:
10M19638.D	CAL BNA@50PPM	03/02/11 14:04
10M19639.D	CAL BNA@2PPM	03/02/11 15:31
10M19640.D	CAL BNA@.5PPM	03/02/11 15:54
10M19641.D	CAL BNA@10PPM	03/02/11 16:16
10M19642.D	CAL BNA@20PPM	03/02/11 16:38
10M19643.D	CAL BNA@80PPM	03/02/11 17:00
10M19644.D	CAL BNA@120PP	03/02/11 17:22
10M19645.D	CAL BNA@160PP	03/02/11 17:45
10M19646.D	CAL BNA@196PP	03/02/11 18:07
10M19647.D	ICV BNA@50PPM	03/02/11 18:29
10M19648.D	SMB4620	03/02/11 19:54
10M19649.D	WMB4634	03/02/11 20:16
10M19650.D	AC57417-002	03/02/11 20:38
10M19651.D	AC57417-005	03/02/11 21:01
10M19652.D	AC57445-002	03/02/11 21:23
10M19653.D	AC57445-006	03/02/11 21:45
10M19654.D	AC57481-002	03/02/11 22:07
10M19655.D	AC57481-003	03/02/11 22:30
10M19656.D	AC57481-006	03/02/11 22:52
10M19657.D	AC57494-002	03/02/11 23:14
10M19658.D	AC57494-005	03/02/11 23:36

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64979.D
Instrument: GCMS 5 **Analysis Date:** 03/03/11 09:17
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.538 to 9.549 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.4	31792	PASS
68	69	0.00	2	0.5	145	PASS
69	198	0.00	100	48.7	30101	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	58.0	35822	PASS
197	198	0.00	1	0.6	356	PASS
198	198	100	100	100.0	61808	PASS
199	198	5	9	6.7	4148	PASS
275	198	10	30	17.5	10828	PASS
365	198	1	100	2.2	1390	PASS
441	443	0.01	100	80.1	5785	PASS
442	198	40	100	60.1	37158	PASS
443	442	17	23	19.4	7226	PASS

Data File	Sample Number	Analysis Date:
5M64980.D	CAL BNA@50PPM	03/03/11 09:47
5M64981.D	CAL BNA@2PPM	03/03/11 10:16
5M64982.D	CAL BNA@.5PPM	03/03/11 10:40
5M64983.D	CAL BNA@10PPM	03/03/11 11:04
5M64984.D	CAL BNA@20PPM	03/03/11 11:28
5M64985.D	CAL BNA@80PPM	03/03/11 11:52
5M64986.D	CAL BNA@120PP	03/03/11 12:16
5M64987.D	CAL BNA@160PP	03/03/11 12:40
5M64988.D	CAL BNA@196PP	03/03/11 13:04
5M64989.D	CAL BNA@50PPM	03/03/11 13:27
5M64990.D	CAL BNA@2PPM	03/03/11 16:15
5M64991.D	CAL BNA@10PPM	03/03/11 16:38
5M64992.D	ICV BNA@50PPM	03/03/11 17:06

Form 5

Tune Name: CAL DFTPP **Data File:** 5M65029.D
Instrument: GCMS 5 **Analysis Date:** 03/04/11 09:54
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.533 to 9.538 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	47.1	57764	PASS
68	69	0.00	2	1.6	926	PASS
69	198	0.00	100	48.0	58892	PASS
70	69	0.00	2	0.7	398	PASS
127	198	40	60	57.8	70908	PASS
197	198	0.00	1	0.2	291	PASS
198	198	100	100	100.0	122584	PASS
199	198	5	9	6.5	8015	PASS
275	198	10	30	17.5	21440	PASS
365	198	1	100	2.7	3365	PASS
441	443	0.01	100	82.1	11740	PASS
442	198	40	100	59.7	73220	PASS
443	442	17	23	19.5	14303	PASS

Data File	Sample Number	Analysis Date:
5M65030.D	CAL BNA@50PPM	03/04/11 10:17
5M65031.D	WMB4657(MS)	03/04/11 10:43
5M65032.D	WMB4657	03/04/11 11:08
5M65033.D	SMB4643	03/04/11 11:31
5M65034.D	AC57497-004	03/04/11 11:55
5M65035.D	WMB4657(MS)	03/04/11 12:18
5M65036.D	AC57497-014	03/04/11 12:42
5M65037.D	AC57497-013(3X)	03/04/11 13:05
5M65038.D	SMB4662(MS)	03/04/11 13:29
5M65039.D	SMB4662	03/04/11 13:53
5M65040.D	AC57526-001	03/04/11 14:16
5M65041.D	AC57526-002	03/04/11 14:39
5M65042.D	AC57526-003	03/04/11 15:03
5M65043.D	AC57526-004	03/04/11 15:26
5M65044.D	AC57526-005	03/04/11 15:50
5M65045.D	AC57526-006	03/04/11 16:14
5M65046.D	AC57526-007	03/04/11 16:37
5M65047.D	AC57497-006(2X)	03/04/11 17:01
5M65048.D	AC57507-005(15X)	03/04/11 17:25
5M65049.D	AC57391-012(10X)	03/04/11 17:49
5M65050.D	AC57500-001(3X)	03/04/11 18:12
5M65051.D	AC57527-001	03/04/11 18:35
5M65052.D	WMB4661	03/04/11 18:59
5M65053.D	AC57481-006(R)	03/04/11 19:22
5M65054.D	AC57417-002(R)	03/04/11 19:46
5M65055.D	AC57494-002(R)	03/04/11 20:09
5M65056.D	AC57527-002	03/04/11 20:33
5M65057.D	AC57527-003	03/04/11 20:56
5M65058.D	AC57527-004	03/04/11 21:19
5M65059.D	AC57527-005	03/04/11 21:43

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19708.D
Instrument: GCMS 10 **Analysis Date:** 03/04/11 09:58
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.779 to 9.784 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	43.3	33766	PASS
68	69	0.00	2	1.2	347	PASS
69	198	0.00	100	36.5	28420	PASS
70	69	0.00	2	0.4	119	PASS
127	198	40	60	48.1	37485	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77892	PASS
199	198	5	9	6.3	4883	PASS
275	198	10	30	21.9	17062	PASS
365	198	1	100	2.8	2197	PASS
441	443	0.01	100	75.2	8690	PASS
442	198	40	100	74.2	57780	PASS
443	442	17	23	20.0	11562	PASS

Data File	Sample Number	Analysis Date:
10M19709.D	CAL BNA@50PPM	03/04/11 10:20
10M19710.D	WMB4656	03/04/11 10:42
10M19711.D	WMB4657	03/04/11 11:04
10M19712.D	AC57490-006(R)	03/04/11 11:27
10M19713.D	AC57098-016(T)	03/04/11 11:49
10M19714.D	AC57098-017(T)	03/04/11 12:11
10M19715.D	AC57098-018(T)	03/04/11 12:33
10M19716.D	WMB4661(MS)	03/04/11 12:55
10M19717.D	WMB4661	03/04/11 13:18
10M19718.D	AC57098-019(T)	03/04/11 13:40
10M19719.D	AC57098-020(T)	03/04/11 14:02
10M19720.D	AC57542-003	03/04/11 14:24
10M19721.D	AC57542-003(MS)	03/04/11 14:47
10M19722.D	AC57542-003(MSD	03/04/11 15:08
10M19723.D	AC57100-017(T)	03/04/11 15:31
10M19724.D	AC57100-018(T)	03/04/11 15:53
10M19725.D	AC57100-019(T)	03/04/11 16:15
10M19726.D	AC57100-020(T)	03/04/11 16:37
10M19727.D	AC57100-021(T)	03/04/11 16:59
10M19728.D	EF-3 V-1014(02/26	03/04/11 17:22
10M19729.D	EF-3 V-1014(02/27	03/04/11 17:44
10M19730.D	EF-3 V-1014(02/28	03/04/11 18:06
10M19731.D	EF-3 V-1014(03/01	03/04/11 18:28
10M19732.D	EF-3 V-1014(03/02	03/04/11 18:50
10M19733.D	EF-SPLP V-10913	03/04/11 19:13
10M19734.D	AC57497-012	03/04/11 19:35
10M19735.D	AC57342-002(T)	03/04/11 19:57
10M19736.D	AC57341-003(T)	03/04/11 20:19
10M19737.D	AC57498-002	03/04/11 20:41
10M19738.D	AC57484-002	03/04/11 21:03
10M19739.D	AC57484-003	03/04/11 21:25
10M19740.D	AC57485-002	03/04/11 21:47
10M19741.D	AC57472-001	03/04/11 22:10
10M19742.D	AC57472-002	03/04/11 22:32
10M19743.D	AC57517-001	03/04/11 22:54
10M19744.D	AC57517-002	03/04/11 23:16
10M19745.D	AC57542-002	03/04/11 23:38

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64608.D Method: EPA 8270C

Analysis Date/Time: 02/09/11 13:17

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	80006	5.45	318132	6.47	168506	7.85	286861	9.27	226195	12.30	195009	13.89
Eval File Area Limit:	40003-160012		159066-636264		84253-337012		143430-573722		113098-452390		97504-390018	
Eval File Rt Limit:	4.95-5.95		5.97-6.97		7.35-8.35		8.77-9.77		11.8-12.8		13.39-14.39	

Data File	Sample											
5M64600.D	CAL BNA@1S	79900	5.45	327096	6.47	173104	7.86	284206	9.28	208534	12.31	175023	13.90
5M64601.D	CAL BNA@1E	76994	5.45	298219	6.47	159304	7.85	261393	9.27	202981	12.31	175489	13.90
5M64602.D	CAL BNA@12	81272	5.45	324956	6.47	175060	7.85	295933	9.27	216440	12.31	186309	13.89
5M64603.D	CAL BNA@8C	87059	5.45	343707	6.47	185442	7.85	308660	9.27	235298	12.30	204225	13.89
5M64604.D	CAL BNA@2C	76048	5.45	299328	6.47	159132	7.85	269358	9.27	219520	12.30	192131	13.89
5M64605.D	CAL BNA@1C	83568	5.45	320563	6.47	176222	7.85	297151	9.27	228938	12.30	200272	13.89
5M64606.D	CAL BNA@2F	83490	5.45	336064	6.47	180447	7.85	309124	9.27	248781	12.30	207853	13.89
5M64607.D	CAL BNA@0.	73826	5.45	294128	6.47	159283	7.85	263866	9.27	208275	12.30	180886	13.89
5M64608.D	CAL BNA@5C	80006	5.45	318132	6.47	168506	7.85	286861	9.27	226195	12.30	195009	13.89
5M64611.D	ICV BNA@50	67521	5.45	265765	6.47	144664	7.85	238597	9.27	195955	12.30	170108	13.89
5M64612.D	WMB4476(MS	75712	5.45	295637	6.47	159760	7.85	262089	9.28	202890	12.31	171503	13.90
5M64613.D	WMB4476	77955	5.45	307153	6.47	165474	7.85	278469	9.27	207617	12.30	186522	13.89
5M64618.D	MLCL2-TEST	76620	5.45	299087	6.47	155850	7.85	266755	9.27	206572	12.30	181311	13.89

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32196.D Method: EPA 8270C

Analysis Date/Time: 02/09/11 13:26

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	86323	5.56	346508	6.58	190795	7.97	315085	9.39	257471	12.42	217789	14.01
Eval File Area Limit:	43162-172646		173254-693016		95398-381590		157542-630170		128736-514942		108894-435578	
Eval File Rt Limit:	5.06-6.06		6.08-7.08		7.47-8.469999		8.89-9.89		11.92-12.92		13.51-14.51	

Data File	Sample											
9M32188.D	CAL BNA@19	78479	5.56	315500	6.58	179368	7.97	301531	9.40	238812	12.44	198861	14.03
9M32189.D	CAL BNA@16	79250	5.56	313216	6.58	179527	7.97	294440	9.40	234583	12.43	196771	14.03
9M32190.D	CAL BNA@12	137128	5.56	534043	6.59	292635	7.98	471630	9.40	361280	12.44	272703	14.02
9M32191.D	CAL BNA@8C	88132	5.56	357542	6.58	201572	7.97	331638	9.39	272950	12.43	234692	14.01
9M32192.D	CAL BNA@2C	84606	5.56	328450	6.57	179144	7.97	291796	9.39	242274	12.42	204075	14.01
9M32193.D	CAL BNA@1C	82809	5.56	336197	6.57	186024	7.97	308945	9.39	256623	12.42	215524	14.01
9M32194.D	CAL BNA@2F	89667	5.56	369163	6.57	206995	7.97	334641	9.39	275005	12.42	231181	14.01
9M32195.D	CAL BNA@0	85533	5.56	344478	6.57	191009	7.97	314722	9.39	256626	12.42	218278	14.01
9M32196.D	CAL BNA@5C	86323	5.56	346508	6.58	190795	7.97	315085	9.39	257471	12.42	217789	14.01
9M32197.D	BNA@25PPM	80992	5.56	330033	6.57	182308	7.97	299047	9.39	245746	12.42	204207	14.01
9M32198.D	BNA@30PPM	91311	5.56	370233	6.57	204130	7.97	337757	9.39	279911	12.42	233192	14.01
9M32199.D	ICV BNA@50	94195	5.56	376281	6.57	211120	7.97	346788	9.39	289714	12.42	233649	14.01
9M32200.D	SMB4479	94649	5.56	372014	6.57	195740	7.97	304632	9.39	212941	12.42	164216	14.01
9M32201.D	SMB4479(MS.	111628	5.56	437134	6.57	237571	7.97	368789	9.39	263643	12.42	206168	14.01
9M32202.D	AC57095-001	89848	5.56	296122	6.59	184297	7.99	277352	9.43	230506	12.43	207456	14.01
9M32203.D	AC57095-001(	90482	5.56	337377	6.57	192035	7.97	309486	9.40	270506	12.42	232646	14.01
9M32204.D	MBS4479-1	81405	5.56	321167	6.57	175309	7.97	279718	9.39	229116	12.42	184201	14.01
9M32205.D	MBS4479-2	88582	5.56	345612	6.57	186460	7.97	290910	9.39	220327	12.42	176888	14.01
9M32206.D	MBS4479-3	87462	5.56	336014	6.57	180312	7.97	279560	9.39	215905	12.42	177177	14.01
9M32207.D	MBS4479-4	94444	5.56	364327	6.57	193143	7.97	295609	9.39	217963	12.42	173141	14.01

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64712.D Method: EPA 8270C

Analysis Date/Time: 02/16/11 09:50

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	76247	5.43	308819	6.46	173541	7.84	291402	9.26	229963	12.28	199227	13.87
Eval File Area Limit:	38124-152494		154410-617638		86770-347082		145701-582804		114982-459926		99614-398454	
Eval File Rt Limit:	4.93-5.93		5.96-6.96		7.34-8.34		8.76-9.76		11.78-12.78		13.37-14.37	

Data File	Sample											
5M64713.D	WMB4536	74271	5.43	298931	6.45	168448	7.83	288787	9.25	228837	12.28	196289	13.87
5M64714.D	WMB4536(MS	71021	5.43	286400	6.45	157996	7.83	264140	9.25	210652	12.28	176660	13.87
5M64715.D	AC57098-001(	70232	5.43	284132	6.45	159007	7.84	261775	9.25	217966	12.28	189347	13.87
5M64716.D	AC57098-001(	68870	5.43	274855	6.45	149666	7.83	253505	9.25	200976	12.28	171212	13.87
5M64717.D	AC57098-001(	64919	5.43	261022	6.45	147884	7.83	243326	9.25	190364	12.28	160002	13.87
5M64718.D	AC57098-002(	69293	5.43	275176	6.45	157621	7.83	269288	9.25	208827	12.28	184058	13.87
5M64719.D	AC57098-003(	72602	5.43	294355	6.45	164988	7.83	283325	9.25	223203	12.28	186756	13.87
5M64720.D	WMB4538(MS	64391	5.43	259161	6.45	142711	7.83	241542	9.25	192039	12.28	154515	13.87
5M64721.D	WMB4538	65062	5.43	251910	6.45	141365	7.83	242843	9.25	193373	12.28	167513	13.87
5M64722.D	AC57098-004(	71089	5.43	277434	6.45	158213	7.83	265657	9.25	208197	12.28	173504	13.87
5M64723.D	AC57277-001(	69093	5.43	274797	6.45	147711	7.83	253023	9.25	203704	12.28	179225	13.87
5M64725.D	AC57277-001(	113110	5.43	449987	6.45	253470	7.83	425272	9.26	313994	12.29	284841	13.88
5M64726.D	AC57273-001	68380	5.43	240648	6.45	141538	7.84	255802	9.25	192169	12.28	167623	13.87
5M64727.D	AC57274-001	68311	5.43	266880	6.45	150152	7.83	253958	9.25	197029	12.28	178681	13.87
5M64728.D	AC57232-010	70100	5.43	270904	6.45	151775	7.83	260657	9.25	204311	12.28	177200	13.87
5M64729.D	AC57242-001(	67804	5.43	276315	6.45	145768	7.83	254381	9.25	195126	12.28	170890	13.87
5M64730.D	AC57242-001(	16912	5.43	75226	6.45	47779	7.83	90537	9.25	98970	12.28	98919	13.87
5M64731.D	AC57242-001	21712	5.43	87407	6.45	52130	7.83	100009	9.25	99107	12.28	101142	13.87
5M64732.D	AC57242-002	30226	5.43	129299	6.45	74919	7.83	140687	9.25	139645	12.28	130874	13.87
5M64733.D	AC57246-005	14347	5.43	66566	6.45	41224	7.83	82113	9.25	86596	12.27	91597	13.87
5M64734.D	AC57274-001	14827	5.43	66506	6.45	41821	7.83	82715	9.25	91453	12.28	97125	13.87
5M64735.D	AC57232-010	33958	5.43	144611	6.45	86340	7.83	159750	9.25	153831	12.28	151560	13.87
5M64736.D	AC57100-001(	23037	5.43	99649	6.45	63060	7.83	118702	9.25	116135	12.28	116067	13.87
5M64737.D	AC57100-003(	23570	5.43	103686	6.45	64161	7.83	120643	9.25	125553	12.27	131370	13.87
5M64738.D	AC57100-004(	23783	5.43	106212	6.45	63895	7.83	124628	9.25	126016	12.27	123936	13.87
5M64739.D	AC57100-005(	23622	5.43	98901	6.45	58744	7.83	105946	9.25	104814	12.27	106984	13.87
5M64740.D	EF-3 V-1014(	38028	5.43	162204	6.45	94339	7.83	173723	9.25	164406	12.28	155037	13.87
5M64741.D	EF-3 V-1014(	19630	5.43	88505	6.45	53268	7.83	103610	9.25	103315	12.27	106947	13.87
5M64742.D	EF-3 V-1014(	33039	5.43	138866	6.45	86512	7.83	159422	9.25	151700	12.28	144993	13.87
5M64743.D	EF-3 V-1014(	17554	5.43	77298	6.45	47888	7.83	92023	9.25	100416	12.27	102355	13.87
5M64754.D	AC57259-012	35595	5.43	154462	6.45	89286	7.83	165240	9.25	155695	12.27	147909	13.87

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64712.D Method: EPA 8270C

Analysis Date/Time: 02/16/11 09:50

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	76247	5.43	308819	6.46	173541	7.84	291402	9.26	229963	12.28	199227	13.87
Eval File Area Limit:	38124-152494		154410-617638		86770-347082		145701-582804		114982-459926		99614-398454	
Eval File Rt Limit:	4.93-5.93		5.96-6.96		7.34-8.34		8.76-9.76		11.78-12.78		13.37-14.37	

Data File	Sample											
5M64713.D	WMB4536	74271	5.43	298931	6.45	168448	7.83	288787	9.25	228837	12.28	196289	13.87
5M64714.D	WMB4536(MS	71021	5.43	286400	6.45	157996	7.83	264140	9.25	210652	12.28	176660	13.87
5M64715.D	AC57098-001(	70232	5.43	284132	6.45	159007	7.84	261775	9.25	217966	12.28	189347	13.87
5M64716.D	AC57098-001(	68870	5.43	274855	6.45	149666	7.83	253505	9.25	200976	12.28	171212	13.87
5M64717.D	AC57098-001(	64919	5.43	261022	6.45	147884	7.83	243326	9.25	190364	12.28	160002	13.87
5M64718.D	AC57098-002(	69293	5.43	275176	6.45	157621	7.83	269288	9.25	208827	12.28	184058	13.87
5M64719.D	AC57098-003(	72602	5.43	294355	6.45	164988	7.83	283325	9.25	223203	12.28	186756	13.87
5M64720.D	WMB4538(MS	64391	5.43	259161	6.45	142711	7.83	241542	9.25	192039	12.28	154515	13.87
5M64721.D	WMB4538	65062	5.43	251910	6.45	141365	7.83	242843	9.25	193373	12.28	167513	13.87
5M64722.D	AC57098-004(	71089	5.43	277434	6.45	158213	7.83	265657	9.25	208197	12.28	173504	13.87
5M64723.D	AC57277-001(	69093	5.43	274797	6.45	147711	7.83	253023	9.25	203704	12.28	179225	13.87
5M64725.D	AC57277-001(	113110	5.43	449987	6.45	253470	7.83	425272	9.26	313994	12.29	284841	13.88
5M64726.D	AC57273-001	68380	5.43	240648	6.45	141538	7.84	255802	9.25	192169	12.28	167623	13.87
5M64727.D	AC57274-001	68311	5.43	266880	6.45	150152	7.83	253958	9.25	197029	12.28	178681	13.87
5M64728.D	AC57232-010	70100	5.43	270904	6.45	151775	7.83	260657	9.25	204311	12.28	177200	13.87
5M64729.D	AC57242-001(	67804	5.43	276315	6.45	145768	7.83	254381	9.25	195126	12.28	170890	13.87
5M64730.D	AC57242-001(	16912 A	5.43	75226 A	6.45	47779 A	7.83	90537 A	9.25	98970 A	12.28	98919 A	13.87
5M64731.D	AC57242-001	21712 A	5.43	87407 A	6.45	52130 A	7.83	100009 A	9.25	99107 A	12.28	101142	13.87
5M64732.D	AC57242-002	30226 A	5.43	129299 A	6.45	74919 A	7.83	140687 A	9.25	139645	12.28	130874	13.87
5M64733.D	AC57246-005	14347 A	5.43	66566 A	6.45	41224 A	7.83	82113 A	9.25	86596 A	12.27	91597 A	13.87
5M64734.D	AC57274-001	14827 A	5.43	66506 A	6.45	41821 A	7.83	82715 A	9.25	91453 A	12.28	97125 A	13.87
5M64735.D	AC57232-010	33958 A	5.43	144611 A	6.45	86340 A	7.83	159750	9.25	153831	12.28	151560	13.87
5M64736.D	AC57100-001(	23037 A	5.43	99649 A	6.45	63060 A	7.83	118702 A	9.25	116135	12.28	116067	13.87
5M64737.D	AC57100-003(	23570 A	5.43	103686 A	6.45	64161 A	7.83	120643 A	9.25	125553	12.27	131370	13.87
5M64738.D	AC57100-004(	23783 A	5.43	106212 A	6.45	63895 A	7.83	124628 A	9.25	126016	12.27	123936	13.87
5M64739.D	AC57100-005(	23622 A	5.43	98901 A	6.45	58744 A	7.83	105946 A	9.25	104814 A	12.27	106984	13.87
5M64740.D	EF-3 V-1014(	38028 A	5.43	162204	6.45	94339	7.83	173723	9.25	164406	12.28	155037	13.87
5M64741.D	EF-3 V-1014(	19630 A	5.43	88505 A	6.45	53268 A	7.83	103610 A	9.25	103315 A	12.27	106947	13.87
5M64742.D	EF-3 V-1014(	33039 A	5.43	138866 A	6.45	86512 A	7.83	159422	9.25	151700	12.28	144993	13.87
5M64743.D	EF-3 V-1014(	17554 A	5.43	77298 A	6.45	47888 A	7.83	92023 A	9.25	100416 A	12.27	102355	13.87
5M64754.D	AC57259-012	35595 A	5.43	154462	6.45	89286	7.83	165240	9.25	155695	12.27	147909	13.87

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32365.D Method: EPA 8270C

Analysis Date/Time: 02/17/11 08:52

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	85730	5.53	331118	6.54	177026	7.93	285751	9.35	238098	12.37	205939	13.97
Eval File Area Limit:	42865-171460		165559-662236		88513-354052		142876-571502		119049-476196		102970-411878	
Eval File Rt Limit:	5.03-6.03		6.04-7.04		7.43-8.43		8.85-9.85		11.87-12.87		13.47-14.47	

Data File	Sample											
9M32366.D	WMB4536	106445	5.53	417557	6.54	220861	7.93	359234	9.35	286893	12.37	247178	13.97
9M32367.D	WMB4538	96219	5.53	374361	6.54	198793	7.92	320799	9.35	258496	12.37	221864	13.96
9M32368.D	AC57232-010	96539	5.53	370770	6.54	195714	7.93	316342	9.35	256863	12.37	217894	13.97
9M32369.D	AC57100-001(	94109	5.53	369636	6.54	200531	7.92	319122	9.35	254744	12.37	216231	13.96
9M32370.D	AC57100-003(	97528	5.53	382071	6.54	204764	7.92	329415	9.35	264751	12.37	224285	13.96
9M32371.D	AC57100-004(	104187	5.53	406249	6.54	217804	7.92	355396	9.35	282329	12.37	239729	13.96
9M32372.D	AC57100-005(	99750	5.53	394652	6.54	213661	7.92	340118	9.35	272431	12.37	232697	13.96
9M32373.D	EF-3 V-1014(	97188	5.53	381584	6.54	203227	7.92	323262	9.35	256691	12.37	216697	13.96
9M32374.D	EF-3 V-1014(	99023	5.53	392202	6.54	210201	7.92	340222	9.35	266163	12.37	225772	13.96
9M32375.D	EF-3 V-1014(	99801	5.53	395441	6.54	210195	7.92	340542	9.35	270338	12.37	229177	13.96
9M32376.D	EF-3 V-1014(	97244	5.53	387655	6.54	205846	7.92	333408	9.35	264484	12.37	219830	13.96
9M32377.D	WMB4546	133227	5.53	530280	6.54	289694	7.92	472028	9.35	375060	12.37	320554	13.97
9M32378.D	WMB4536	106177	5.53	415205	6.54	221805	7.92	357462	9.35	281175	12.37	236480	13.96
9M32379.D	AC57241-003	94422	5.53	372709	6.54	199399	7.92	316368	9.35	246221	12.37	205191	13.96
9M32380.D	EF-SPLP V-1	91693	5.53	355718	6.54	189621	7.92	304268	9.35	243119	12.37	212165	13.96
9M32381.D	AC57120-001(	91786	5.53	348497	6.54	188120	7.92	300976	9.35	244817	12.37	209495	13.96
9M32382.D	AC57141-001(	113654	5.53	438049	6.54	242974	7.92	386213	9.35	314292	12.37	277489	13.97

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

0089

Evaluation Std Data File: 5M64792.D Method: EPA 8270C

Analysis Date/Time: 02/22/11 07:57

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	56591	5.42	219925	6.44	117222	7.82	195487	9.24	159000	12.26	135419	13.85
Eval File Area Limit:	28296-113182		109962-439850		58611-234444		97744-390974		79500-318000		67710-270838	
Eval File Rt Limit:	4.92-5.92		5.94-6.94		7.32-8.32		8.74-9.74		11.76-12.76		13.35-14.35	

Data File	Sample											
5M64793.D	WMB4565	61939	5.42	241009	6.44	131310	7.82	217850	9.23	176293	12.25	153715	13.85
5M64794.D	WMB4565(MS	64248	5.42	250635	6.44	134047	7.82	223736	9.23	174105	12.26	150475	13.85
5M64795.D	WMB4567(MS	72955	5.42	278920	6.44	152277	7.82	255184	9.23	203133	12.26	176577	13.85
5M64796.D	WMB4567	70761	5.42	270271	6.44	144156	7.81	258553	9.23	203359	12.25	173024	13.84
5M64798.D	AC57285-005(	73056	5.42	287323	6.44	151723	7.82	259311	9.23	205087	12.26	178269	13.85
5M64799.D	AC57285-005(	74296	5.42	290261	6.44	152170	7.82	261722	9.23	203911	12.26	181598	13.85
5M64804.D	WMB4569(MS	63905	5.42	247370	6.44	128094	7.82	218674	9.23	172390	12.26	148210	13.85
5M64805.D	WMB4569	55838	5.42	218225	6.44	116268	7.82	202264	9.23	160124	12.25	140677	13.84
5M64807.D	AC57306-003(	62564	5.42	249734	6.44	137462	7.82	223510	9.23	176021	12.26	148317	13.85
5M64808.D	AC57306-004(	64075	5.42	248176	6.44	134313	7.82	228252	9.23	175637	12.26	154245	13.85

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

0090

Evaluation Std Data File: 10M19509.D Method: EPA 8270C

Analysis Date/Time: 02/22/11 08:56

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	71766	5.65	275965	6.66	150556	8.06	239636	9.50	208302	12.53	191464	14.12
Eval File Area Limit:	35883-143532		137982-551930		75278-301112		119818-479272		104151-416604		95732-382928	
Eval File Rt Limit:	5.15-6.15		6.16-7.16		7.56-8.56		9-10		12.03-13.03		13.62-14.62	

Data File	Sample												
10M19510.	WMB4565	94655	5.65	369018	6.66	207128	8.06	329578	9.50	290564	12.53	269517	14.13
10M19511.	AC57098-005(	70157	5.65	283867	6.66	157327	8.06	255976	9.50	232145	12.53	216506	14.12
10M19512.	AC57098-006(	68634	5.65	272337	6.66	146612	8.06	231481	9.50	205102	12.53	175792	14.12
10M19513.	AC57098-007(	69601	5.65	278368	6.66	81838	8.06	233085	9.50	160132	12.53	14336 A	14.12
10M19514.	AC57100-006(	76068	5.65	305292	6.66	114509	8.06	258877	9.50	214269	12.53	38863 A	14.12
10M19515.	AC57100-007(	75651	5.65	298953	6.66	161098	8.06	256677	9.49	229632	12.53	201607	14.12
10M19516.	AC57100-008(	73459	5.65	292322	6.66	162482	8.06	256753	9.49	237582	12.53	220570	14.12
10M19517.	EF-3 V-1014(	76683	5.65	301427	6.66	164878	8.06	262948	9.50	228299	12.53	200861	14.12
10M19518.	AC57100-006(	56325	5.65	229854	6.65	89776	8.06	195971	9.50	173076	12.53	36531 A	14.12
10M19519.	EF-3 V-1014(	70868	5.65	278262	6.65	152097	8.06	239748	9.50	208401	12.53	184157	14.12
10M19520.	EF-3 V-1014(	75554	5.65	296464	6.66	158477	8.06	259017	9.49	226377	12.53	156265	14.12
10M19521.	WMB4567	67051	5.65	266477	6.66	148683	8.06	237953	9.50	218241	12.53	197928	14.12

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64836.D Method: EPA 8270C

Analysis Date/Time: 02/24/11 09:54

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	68283	5.41	276061	6.43	148067	7.81	254300	9.23	205493	12.25	183432	13.84
Eval File Area Limit:	34142-136566		138030-552122		74034-296134		127150-508600		102746-410986		91716-366864	
Eval File Rt Limit:	4.91-5.91		5.93-6.93		7.31-8.309999		8.73-9.73		11.75-12.75		13.34-14.34	

Data File	Sample												
5M64837.D	WMB4585(MS	64363	5.41	240824	6.43	130573	7.81	219989	9.23	176818	12.25	155539	13.84
5M64838.D	WMB4585	68644	5.41	264527	6.43	147006	7.81	248334	9.23	199116	12.25	176051	13.84
5M64839.D	AC57098-010(	56561	5.41	217578	6.43	120797	7.81	199619	9.22	159737	12.25	137888	13.84
5M64840.D	AC57098-010(	63027	5.41	242915	6.43	129350	7.81	214515	9.23	168639	12.25	150252	13.84
5M64841.D	AC57098-010(	64324	5.41	244446	6.43	132780	7.81	219762	9.23	175946	12.25	151261	13.84
5M64842.D	AC57098-008(	67428	5.41	264259	6.43	144856	7.81	246115	9.23	189996	12.25	164647	13.84
5M64843.D	AC57098-009(	63486	5.41	240355	6.43	129104	7.81	213616	9.23	169443	12.25	148266	13.84
5M64844.D	AC57098-011(	65348	5.41	250440	6.43	139457	7.81	231876	9.23	187367	12.25	160353	13.84
5M64845.D	AC57100-011(	61536	5.41	242017	6.43	133936	7.81	229504	9.23	177520	12.25	152312	13.84
5M64846.D	WMB4595(MS	65342	5.41	259397	6.43	137869	7.81	230145	9.23	184612	12.25	159653	13.84
5M64847.D	WMB4595	72248	5.41	275241	6.43	149270	7.81	256696	9.23	203115	12.25	179481	13.84
5M64848.D	AC57252-002(	72188	5.41	287176	6.43	151523	7.81	253579	9.23	202359	12.25	173488	13.84
5M64849.D	AC57100-012(	65412	5.41	250677	6.43	137442	7.81	233983	9.23	181182	12.25	159169	13.84
5M64850.D	EF-3 V-1014(	64446	5.41	252749	6.43	135678	7.81	226348	9.23	177752	12.25	150678	13.84
5M64851.D	EF-3 V-1014(	69398	5.41	268421	6.43	147791	7.81	244299	9.23	190852	12.25	163707	13.84
5M64852.D	EF-3 V-1014(	61477	5.41	235579	6.43	127603	7.81	218872	9.22	170415	12.25	146397	13.84
5M64853.D	EF-3 V-1014(	61301	5.41	239100	6.43	129361	7.81	217255	9.23	168186	12.25	141449	13.84
5M64854.D	AC57263-001(	72215	5.41	279290	6.43	147644	7.81	245439	9.23	192083	12.25	161512	13.84
5M64855.D	AC57263-001(	72496	5.41	278760	6.43	152024	7.81	246606	9.23	190577	12.25	170740	13.84
5M64856.D	AC57263-001(	75341	5.41	291765	6.44	151689	7.81	259260	9.23	205071	12.25	177018	13.84
5M64857.D	AC57382-002(	65567	5.41	252285	6.43	139244	7.81	235257	9.23	185736	12.25	160312	13.84
5M64858.D	AC57228-003(	69094	5.41	267811	6.43	144150	7.81	239906	9.23	193007	12.25	165750	13.84
5M64859.D	AC57212-002(	68942	5.41	266889	6.43	145349	7.81	237612	9.23	184254	12.25	159305	13.84
5M64860.D	EF-SPLP V-1	74520	5.41	290194	6.43	157751	7.81	269742	9.23	212809	12.25	181637	13.84
5M64861.D	EF-1 V-10853	79652	5.41	310928	6.43	169726	7.81	276356	9.23	216048	12.25	183975	13.84

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32490.D Method: EPA 8270C

Analysis Date/Time: 02/28/11 10:32

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	84643	5.51	326705	6.53	174625	7.92	285496	9.33	242975	12.36	209380	13.96
Eval File Area Limit:	42322-169286		163352-653410		87312-349250		142748-570992		121488-485950		104690-418760	
Eval File Rt Limit:	5.01-6.01		6.03-7.03		7.42-8.42		8.83-9.83		11.86-12.86		13.46-14.46	

Data File	Sample											
9M32490.D	CAL BNA@5C	84643	5.51	326705	6.53	174625	7.92	285496	9.33	242975	12.36	209380	13.96
9M32491.D	CAL BNA@2F	89121	5.50	365556	6.53	201270	7.91	320165	9.32	256429	12.35	211399	13.95
9M32492.D	CAL BNA@.5	87187	5.51	347494	6.53	191190	7.91	306969	9.32	243314	12.35	202498	13.94
9M32493.D	CAL BNA@1C	84339	5.51	338102	6.53	180917	7.91	291748	9.32	244874	12.35	204685	13.94
9M32494.D	CAL BNA@2C	91454	5.51	363438	6.53	194166	7.91	314185	9.33	252099	12.35	208040	13.95
9M32495.D	CAL BNA@8C	87286	5.51	339127	6.53	183034	7.91	299035	9.33	243189	12.36	206143	13.95
9M32496.D	CAL BNA@12	88544	5.51	353639	6.53	192144	7.91	314416	9.33	239648	12.36	200196	13.95
9M32497.D	CAL BNA@16	88371	5.51	347775	6.53	192834	7.92	312030	9.34	242269	12.37	199175	13.96
9M32498.D	CAL BNA@19	91246	5.51	367795	6.53	199088	7.92	319949	9.33	245754	12.37	204273	13.96
9M32500.D	ICV BNA@50	98428	5.51	388261	6.53	205160	7.91	329858	9.33	263348	12.35	213071	13.95
9M32501.D	TEST	92314	5.51	355344	6.53	194490	7.91	322110	9.33	258169	12.36	215634	13.95
9M32502.D	SMB4591	83407	5.51	329020	6.52	170760	7.91	272189	9.32	200580	12.35	156705	13.94
9M32503.D	AC57463-012	89251	5.51	361765	6.52	188177	7.91	278997	9.32	194437	12.35	166255	13.94
9M32504.D	AC57463-013	88241	5.51	351782	6.53	185800	7.91	286597	9.32	205829	12.35	171148	13.94
9M32505.D	AC57459-001	82795	5.51	334873	6.53	183044	7.91	286293	9.33	199755	12.36	173735	13.95
9M32506.D	AC57459-002	86562	5.51	349086	6.53	190376	7.91	295274	9.33	209308	12.35	180411	13.95
9M32507.D	AC57459-003	87079	5.51	347089	6.53	183510	7.91	280045	9.33	198052	12.36	171621	13.95
9M32508.D	AC57459-004	90777	5.51	361816	6.53	189390	7.91	289302	9.33	204906	12.35	178243	13.95
9M32509.D	AC57463-005	95689	5.51	397962	6.53	218410	7.91	317343	9.33	202432	12.35	171415	13.95
9M32510.D	AC57463-006	84435	5.51	335574	6.53	176854	7.91	270181	9.33	194970	12.35	163395	13.95
9M32511.D	AC57359-002	91866	5.51	347321	6.53	233972	7.94	354733	9.37	222460	12.36	185714	13.95
9M32512.D	AC57328-004	83277	5.51	333107	6.53	176607	7.91	263879	9.33	191622	12.35	170026	13.95

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32514.D Method: EPA 8270C

Analysis Date/Time: 03/01/11 09:41

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	87868	5.50	348355	6.52	188831	7.91	310460	9.32	259316	12.35	223079	13.94
Eval File Area Limit:	43934-175736		174178-696710		94416-377662		155230-620920		129658-518632		111540-446158	
Eval File Rt Limit:	5-6		6.02-7.02		7.41-8.41		8.82-9.82		11.85-12.85		13.44-14.44	

Data File	Sample												
9M32515.D	WMB4624(MS	88044	5.50	341787	6.53	188691	7.91	308599	9.32	241322	12.35	200889	13.94
9M32516.D	WMB4624	73252	5.50	291771	6.52	159424	7.90	260723	9.32	213028	12.34	191004	13.94
9M32517.D	WMB4616	126462	5.50	506427	6.52	279816	7.90	461315	9.32	377473	12.34	322462	13.94
9M32518.D	WMB4616(MS	92872	5.50	362762	6.53	198555	7.90	323796	9.32	255449	12.35	212602	13.94
9M32520.D	AC57433-002(	90266	5.50	351844	6.53	194135	7.90	318363	9.32	254055	12.35	211396	13.94
9M32521.D	AC57433-002(	94468	5.50	365039	6.53	200693	7.90	326743	9.32	256294	12.35	211916	13.95
9M32522.D	WMB4625(MS	88463	5.50	343989	6.52	187941	7.90	304774	9.32	249349	12.35	210498	13.94
9M32523.D	WMB4625	101790	5.50	413743	6.52	229300	7.90	383008	9.32	326298	12.34	286121	13.94
9M32524.D	AC57446-005	82446	5.50	311521	6.52	166553	7.90	258378	9.32	221566	12.35	188394	13.94
9M32525.D	AC57446-007	106588	5.50	413056	6.53	242667	7.90	385578	9.32	307325	12.35	254290	13.94
9M32526.D	AC57446-016	114045	5.50	419921	6.53	245128	7.90	389972	9.32	318246	12.35	266634	13.94
9M32527.D	AC57446-018	75359	5.53	285223	6.56	163184	7.91	259977	9.33	216731	12.36	180854	13.94
9M32528.D	AC57359-002(	92634	5.50	344601	6.52	191378	7.91	301643	9.33	265683	12.34	234896	13.94
9M32529.D	AC57446-001	93938	5.50	376880	6.52	212521	7.90	352534	9.32	304242	12.34	260881	13.94
9M32530.D	AC57446-001(	84534	5.50	326910	6.52	181280	7.90	296786	9.32	236869	12.35	195555	13.94
9M32531.D	AC57487-031(	92580	5.50	366319	6.52	185664	7.90	283936	9.32	218643	12.35	191251	13.95
9M32532.D	SMB4620(MS.	123745	5.50	456240	6.52	227365	7.90	321320	9.32	208352	12.34	185310	13.94
9M32533.D	SMB4620	106309	5.50	402814	6.52	198411	7.90	281491	9.32	187335	12.34	162712	13.93
9M32534.D	AC57446-001(	103520	5.50	420854	6.52	244204	7.91	399894	9.32	294936	12.36	246179	13.95
9M32535.D	AC57487-031(	95892	5.50	371487	6.52	185735	7.90	287713	9.32	220806	12.35	192353	13.95
9M32536.D	AC57487-031(	95431	5.50	367473	6.52	186390	7.90	286058	9.32	218693	12.35	195538	13.95
9M32537.D	AC57487-009	98180	5.50	388855	6.52	206503	7.90	318106	9.32	224140	12.35	191795	13.94
9M32538.D	AC57487-015	94512	5.50	376701	6.52	196638	7.90	299092	9.32	210331	12.34	179208	13.94
9M32539.D	AC57487-017	93283	5.50	367967	6.52	190494	7.90	286421	9.33	210956	12.36	188162	13.96
9M32540.D	AC57446-007(	96173	5.50	373440	6.52	204676	7.90	320439	9.32	232338	12.35	194838	13.94
9M32541.D	AC57446-016(	91864	5.50	365725	6.52	196031	7.90	309646	9.32	228742	12.34	189853	13.94
9M32542.D	AC57446-018(	151563	5.50	616260	6.52	359448	7.90	577626	9.32	424379	12.35	347365	13.94

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64933.D Method: EPA 8270C

Analysis Date/Time: 03/01/11 09:38

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	87123	5.41	335391	6.43	177237	7.81	294085	9.22	237819	12.24	204875	13.83
Eval File Area Limit:	43562-174246		167696-670782		88618-354474		147042-588170		118910-475638		102438-409750	
Eval File Rt Limit:	4.91-5.91		5.93-6.93		7.31-8.309999		8.72-9.72		11.74-12.74		13.33-14.33	

Data File	Sample												
5M64934.D	WMB4624	68474	5.41	260107	6.43	141733	7.80	233320	9.22	183682	12.24	161255	13.83
5M64935.D	AC57098-012(	70298	5.41	279936	6.43	154655	7.80	253459	9.22	197886	12.24	171086	13.83
5M64936.D	AC57098-013(	78803	5.41	300072	6.43	160140	7.80	268681	9.22	209557	12.24	178408	13.83
5M64937.D	AC57098-014(	72707	5.41	282572	6.43	149562	7.80	250296	9.22	194737	12.24	167090	13.83
5M64938.D	AC57098-015(	71393	5.41	273185	6.43	145927	7.80	247966	9.22	191145	12.24	160952	13.83
5M64939.D	AC57100-013(	69598	5.41	268842	6.43	143978	7.80	242104	9.22	180188	12.24	149838	13.83
5M64940.D	AC57100-014(	67263	5.41	253802	6.43	138596	7.80	226603	9.22	179651	12.24	144898	13.83
5M64941.D	AC57100-015(	66897	5.41	265424	6.43	140159	7.80	240705	9.22	184335	12.24	157138	13.83
5M64942.D	AC57100-016(	70222	5.41	264858	6.43	137558	7.80	233872	9.22	177741	12.24	151115	13.83
5M64943.D	AC57330-003(	88457	5.41	339884	6.43	178938	7.80	309451	9.22	237388	12.24	201634	13.83
5M64944.D	EF-2 V-10914	78697	5.41	301388	6.43	153515	7.80	261186	9.22	201326	12.24	166875	13.83
5M64945.D	EF-3 V-1014(	70744	5.41	271738	6.43	149611	7.80	254520	9.22	194453	12.24	164852	13.83
5M64946.D	EF-3 V-1014(	71879	5.41	269209	6.43	140102	7.80	237602	9.22	181207	12.24	152937	13.83
5M64947.D	EF-3 V-1014(	70548	5.41	273691	6.43	148236	7.80	250914	9.22	190641	12.24	159510	13.83
5M64948.D	EF-3 V-1014(	62715	5.41	235154	6.43	122143	7.80	204032	9.22	150476	12.24	129721	13.83
5M64949.D	WMB4625	70007	5.41	270509	6.43	141874	7.80	239698	9.22	186973	12.24	159772	13.83
5M64950.D	SMB4620	77457	5.41	306584	6.43	159426	7.80	257802	9.22	185588	12.24	149189	13.83
5M64951.D	AC57446-009	65653	5.41	255532	6.43	132856	7.80	228713	9.22	173229	12.24	149756	13.83
5M64952.D	AC57446-011	70669	5.41	273802	6.43	144778	7.80	246809	9.22	188069	12.24	161351	13.83
5M64953.D	AC57446-013	67932	5.41	258564	6.43	134944	7.80	227280	9.22	169864	12.24	141915	13.83
5M64954.D	AC57446-020	75175	5.41	284300	6.43	149066	7.80	249387	9.22	194950	12.24	162530	13.83
5M64955.D	AC57446-003	71728	5.41	281058	6.43	147577	7.80	247236	9.22	191975	12.24	158120	13.83
5M64956.D	AC57487-011	95576	5.41	366257	6.43	183524	7.80	310362	9.22	217548	12.24	177076	13.83
5M64957.D	AC57487-013	97766	5.41	381241	6.43	194423	7.80	306988	9.22	228887	12.24	186829	13.83
5M64958.D	AC57487-003	87255	5.41	322337	6.43	168998	7.80	277307	9.22	198361	12.24	157944	13.83
5M64959.D	AC57487-007	87870	5.41	332889	6.43	175244	7.80	286359	9.22	211965	12.24	175789	13.83
5M64960.D	TEST-1	80467	5.41	298972	6.43	159847	7.80	270404	9.22	205831	12.24	175627	13.83
5M64961.D	TEST-2(G)	74759	5.41	289742	6.43	149546	7.80	251853	9.22	192381	12.24	158469	13.83

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M19638.D Method: EPA 8270C

Analysis Date/Time: 03/02/11 14:04

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	95325	5.64	381638	6.65	214465	8.05	345071	9.49	307913	12.52	279142	14.12
Eval File Area Limit:	47662-190650		190819-763276		107232-428930		172536-690142		153956-615826		139571-558284	
Eval File Rt Limit:	5.14-6.14		6.15-7.15		7.55-8.55		8.99-9.99		12.02-13.02		13.62-14.62	

Data File	Sample											
10M19638.	CAL BNA@5C	95325	5.64	381638	6.65	214465	8.05	345071	9.49	307913	12.52	279142	14.12
10M19639.	CAL BNA@2F	90348	5.64	372040	6.65	217429	8.05	350368	9.48	316523	12.52	290738	14.11
10M19640.	CAL BNA@.5	94757	5.64	387214	6.65	229064	8.05	381696	9.48	330208	12.51	293473	14.11
10M19641.	CAL BNA@1C	92752	5.64	378480	6.65	221120	8.05	347961	9.48	318432	12.52	279946	14.11
10M19642.	CAL BNA@2C	103561	5.64	433920	6.65	246110	8.05	400329	9.48	344035	12.52	311900	14.11
10M19643.	CAL BNA@8C	98686	5.64	402568	6.65	230737	8.05	372828	9.49	309915	12.52	285279	14.12
10M19644.	CAL BNA@12	89707	5.64	351252	6.65	196629	8.05	320733	9.49	260993	12.52	246670	14.12
10M19645.	CAL BNA@16	87799	5.64	353874	6.65	201011	8.06	326848	9.49	264434	12.53	246721	14.12
10M19646.	CAL BNA@19	83815	5.64	337663	6.65	192323	8.06	318768	9.49	246090	12.53	231986	14.12
10M19647.	ICV BNA@50	81377	5.64	330185	6.65	183294	8.05	297804	9.49	258928	12.52	229129	14.11
10M19648.	SMB4620	107993	5.64	421465	6.65	239793	8.05	387912	9.48	339476	12.52	293074	14.11
10M19649.	WMB4634	85922	5.64	359310	6.65	211275	8.05	337145	9.48	305582	12.51	277102	14.11
10M19650.	AC57417-002	89065	5.64	364514	6.65	216154	8.05	341767	9.48	301200	12.51	259860	14.11
10M19651.	AC57417-005	87271	5.64	356332	6.65	206669	8.05	336407	9.48	282928	12.51	245905	14.11
10M19652.	AC57445-002	89346	5.64	356809	6.65	210141	8.05	333271	9.48	291324	12.52	250582	14.11
10M19653.	AC57445-006	86904	5.64	365657	6.65	208255	8.05	328367	9.48	286271	12.51	248621	14.11
10M19654.	AC57481-002	92242	5.64	364946	6.65	217954	8.05	345346	9.48	296689	12.51	252565	14.11
10M19655.	AC57481-003	89037	5.64	376619	6.65	219347	8.05	342845	9.48	285482	12.51	244123	14.11
10M19656.	AC57481-006	90992	5.64	364678	6.65	207160	8.05	322463	9.48	266589	12.51	229337	14.11
10M19657.	AC57494-002	98133	5.64	399705	6.65	228600	8.05	357198	9.48	292407	12.51	249683	14.11
10M19658.	AC57494-005	92267	5.64	379449	6.65	219431	8.05	343319	9.48	289674	12.51	255383	14.11

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64989.D Method: EPA 8270C

Analysis Date/Time: 03/03/11 13:27

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	75445	5.40	288355	6.42	147600	7.80	234955	9.21	186581	12.24	156713	13.82
Eval File Area Limit:	37722-150890		144178-576710		73800-295200		117478-469910		93290-373162		78356-313426	
Eval File Rt Limit:	4.9-5.9		5.92-6.92		7.3-8.3		8.71-9.71		11.74-12.74		13.32-14.32	

Data File	Sample											
5M64982.D	CAL BNA@.5	69507	5.40	265337	6.42	136312	7.80	222396	9.21	167980	12.23	142754	13.82
5M64984.D	CAL BNA@20	81569	5.40	311230	6.42	160204	7.80	267238	9.21	202075	12.23	170067	13.82
5M64985.D	CAL BNA@80	72857	5.40	274280	6.43	139870	7.80	228939	9.22	177210	12.24	146344	13.83
5M64986.D	CAL BNA@12	78894	5.40	298282	6.43	159006	7.80	258449	9.22	195177	12.24	164212	13.83
5M64987.D	CAL BNA@16	69474	5.40	263823	6.43	141173	7.80	224135	9.22	169891	12.24	149386	13.83
5M64988.D	CAL BNA@19	72911	5.40	282878	6.43	147603	7.80	239246	9.22	176327	12.24	152717	13.83
5M64989.D	CAL BNA@50	75445	5.40	288355	6.42	147600	7.80	234955	9.21	186581	12.24	156713	13.82
5M64990.D	CAL BNA@2F	79558	5.40	293607	6.43	151684	7.80	256596	9.22	197092	12.24	161758	13.83
5M64991.D	CAL BNA@1C	69250	5.40	271997	6.42	138854	7.80	227735	9.21	179845	12.23	150916	13.83
5M64992.D	ICV BNA@50	74901	5.40	278887	6.43	147704	7.80	237024	9.22	183794	12.24	150783	13.83

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M19709.D Method: EPA 8270C

Analysis Date/Time: 03/04/11 10:20

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	83535	5.63	333235	6.64	183558	8.05	286763	9.48	251737	12.51	230191	14.11
Eval File Area Limit:	41768-167070		166618-666470		91779-367116		143382-573526		125868-503474		115096-460382	
Eval File Rt Limit:	5.13-6.13		6.14-7.14		7.55-8.55		8.98-9.98		12.01-13.01		13.61-14.61	

Data File	Sample												
10M19710.	WMB4656	84893	5.63	346750	6.64	195541	8.04	314133	9.48	288795	12.51	270679	14.10
10M19711.	WMB4657	72029	5.63	302372	6.64	169129	8.04	274722	9.48	252950	12.51	233005	14.10
10M19712.	AC57490-006(	90740	5.63	340004	6.64	168625	8.05	265880	9.48	236158	12.51	206424	14.11
10M19713.	AC57098-016(	82649	5.63	321829	6.64	179685	8.04	285171	9.48	256312	12.51	231030	14.10
10M19714.	AC57098-017(	79841	5.63	319682	6.64	174217	8.04	265781	9.48	228624	12.51	197950	14.10
10M19715.	AC57098-018(	91318	5.63	375831	6.64	211550	8.04	338343	9.48	306353	12.51	268057	14.10
10M19716.	WMB4661(MS	79392	5.63	302015	6.64	169964	8.05	269098	9.48	219560	12.51	204801	14.11
10M19717.	WMB4661	77496	5.63	302531	6.64	161557	8.04	251036	9.48	218944	12.51	193405	14.10
10M19718.	AC57098-019(	75142	5.63	303093	6.64	164990	8.04	261892	9.48	233960	12.51	201232	14.10
10M19719.	AC57098-020(	111697	5.63	455021	6.64	260094	8.04	430938	9.48	384869	12.51	314584	14.10
10M19721.	AC57542-003(	83147	5.63	326003	6.64	175588	8.05	274336	9.48	221835	12.51	189599	14.10
10M19722.	AC57542-003(	73023	5.63	286270	6.64	160856	8.05	253153	9.48	198784	12.51	164036	14.10
10M19723.	AC57100-017(	73885	5.63	303686	6.64	167200	8.04	273099	9.48	250500	12.51	216613	14.10
10M19724.	AC57100-018(	84843	5.63	332638	6.64	181352	8.04	289901	9.48	239592	12.51	205380	14.10
10M19725.	AC57100-019(	84655	5.63	324788	6.64	180328	8.04	272525	9.48	227592	12.51	194541	14.10
10M19726.	AC57100-020(	84717	5.63	332213	6.64	183489	8.04	286049	9.48	239979	12.51	200097	14.10
10M19727.	AC57100-021(	69976	5.63	281409	6.64	156903	8.04	250260	9.48	229545	12.51	190205	14.10
10M19728.	EF-3 V-1014(	85763	5.63	339210	6.64	190238	8.04	291230	9.48	244963	12.51	198310	14.10
10M19729.	EF-3 V-1014(	73014	5.63	278740	6.64	149077	8.04	227627	9.48	183497	12.51	157578	14.10
10M19730.	EF-3 V-1014(	69856	5.63	289732	6.64	157719	8.04	260346	9.48	229920	12.51	188434	14.10
10M19731.	EF-3 V-1014(	72452	5.63	297049	6.64	162813	8.04	254585	9.48	209273	12.51	160958	14.10
10M19732.	EF-3 V-1014(	75089	5.63	308444	6.64	171098	8.04	273826	9.48	237019	12.51	188024	14.10
10M19733.	EF-SPLP V-1	64474	5.63	270008	6.64	148982	8.04	232760	9.48	199815	12.51	158588	14.10
10M19734.	AC57497-012	61300	5.63	241550	6.64	133064	8.04	208457	9.48	172108	12.51	135681	14.10
10M19735.	AC57342-002(	75913	5.63	301137	6.64	166502	8.04	256060	9.48	204781	12.51	170872	14.10
10M19736.	AC57341-003(	76311	5.63	307575	6.64	156611	8.04	239227	9.48	223851	12.51	184456	14.10

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Nanhthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M65030.D Method: EPA 8270C

Analysis Date/Time: 03/04/11 10:17

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	77279	5.40	289878	6.42	157346	7.80	271742	9.21	221464	12.24	198402	13.83
Eval File Area Limit:	38640-154558		144939-579756		78673-314692		135871-543484		110732-442928		99201-396804	
Eval File Rt Limit:	4.9-5.9		5.92-6.92		7.3-8.3		8.71-9.71		11.74-12.74		13.33-14.33	

Data File	Sample											
5M65031.D	WMB4657(MS	70435	5.40	280083	6.43	153883	7.80	262774	9.21	211233	12.24	190453	13.83
5M65032.D	WMB4657	66207	5.40	249837	6.42	139590	7.80	245794	9.21	206380	12.23	186243	13.83
5M65033.D	SMB4643	71777	5.40	274456	6.42	148617	7.80	255417	9.21	198373	12.23	181074	13.83
5M65034.D	AC57497-004	72863	5.40	287179	6.42	157729	7.80	265578	9.21	203199	12.23	177392	13.83
5M65035.D	WMB4657(MS	79545	5.40	310429	6.42	173321	7.80	299455	9.21	235736	12.24	203818	13.83
5M65036.D	AC57497-014	73639	5.40	282962	6.42	152760	7.80	251840	9.21	187312	12.24	170032	13.83
5M65037.D	AC57497-013(	76927	5.40	299784	6.42	161304	7.80	265271	9.21	198866	12.23	176236	13.83
5M65038.D	SMB4662(MS.	79857	5.40	306344	6.42	167423	7.80	271025	9.21	207947	12.23	185546	13.83
5M65039.D	SMB4662	73385	5.40	289410	6.42	155769	7.80	259703	9.21	198126	12.23	181047	13.83
5M65040.D	AC57526-001	67256	5.40	265696	6.42	143076	7.80	238223	9.21	179292	12.23	155486	13.82
5M65041.D	AC57526-002	68768	5.40	261377	6.42	144570	7.80	231664	9.21	183890	12.23	164455	13.82
5M65042.D	AC57526-003	69982	5.40	275312	6.42	151478	7.80	247840	9.21	185327	12.23	163626	13.82
5M65043.D	AC57526-004	69743	5.40	276308	6.42	148869	7.80	241442	9.21	184716	12.23	167308	13.82
5M65044.D	AC57526-005	71027	5.40	279234	6.42	152192	7.80	252150	9.21	191100	12.23	174506	13.82
5M65045.D	AC57526-006	87113	5.40	323261	6.42	165334	7.80	251668	9.21	168765	12.23	156808	13.82
5M65046.D	AC57526-007	69301	5.40	274127	6.42	147472	7.80	244223	9.21	191921	12.23	167606	13.82
5M65047.D	AC57497-006(	69914	5.40	272297	6.42	150358	7.80	243313	9.21	181905	12.23	170170	13.83
5M65048.D	AC57507-005(	77689	5.40	303069	6.42	165991	7.80	272136	9.21	201520	12.23	188604	13.83
5M65049.D	AC57391-012(	79147	5.40	259826	6.42	161126	7.80	259086	9.21	202214	12.23	184281	13.82
5M65050.D	AC57500-001(	83100	5.40	321244	6.42	174616	7.80	282004	9.21	210820	12.23	194411	13.83
5M65051.D	AC57527-001	69461	5.40	278137	6.42	146015	7.80	243093	9.21	186886	12.23	165865	13.82
5M65052.D	WMB4661	71180	5.40	282663	6.42	150237	7.80	248529	9.21	190396	12.23	170181	13.82
5M65053.D	AC57481-006(	69931	5.40	272688	6.42	143325	7.80	242062	9.21	181100	12.23	164771	13.82
5M65054.D	AC57417-002(	71211	5.40	274432	6.42	149439	7.80	248383	9.21	187528	12.23	169516	13.82
5M65055.D	AC57494-002(	68666	5.40	274638	6.42	151965	7.80	248117	9.21	184326	12.23	164913	13.82
5M65056.D	AC57527-002	79026	5.40	295477	6.42	162251	7.80	270943	9.21	199064	12.23	180221	13.83
5M65057.D	AC57527-003	80579	5.40	308682	6.42	165614	7.80	270826	9.21	204297	12.23	185124	13.83
5M65058.D	AC57527-004	78738	5.40	306897	6.42	165854	7.80	280454	9.21	206403	12.23	185884	13.83
5M65059.D	AC57527-005	74013	5.40	280358	6.42	149884	7.80	245172	9.21	189270	12.23	171795	13.82

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

SPLP
GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-001(T)
Client Id: ISSS3 large monolith (1st)
Data File: 5M64715.D
Analysis Date: 02/16/11 11:08
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**33**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**5.5**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**98**
83-32-9	**Acenaphthene**	**0.21**	**12**	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	**85-01-8**	**Phenanthrene**	**0.15**	**9.4**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

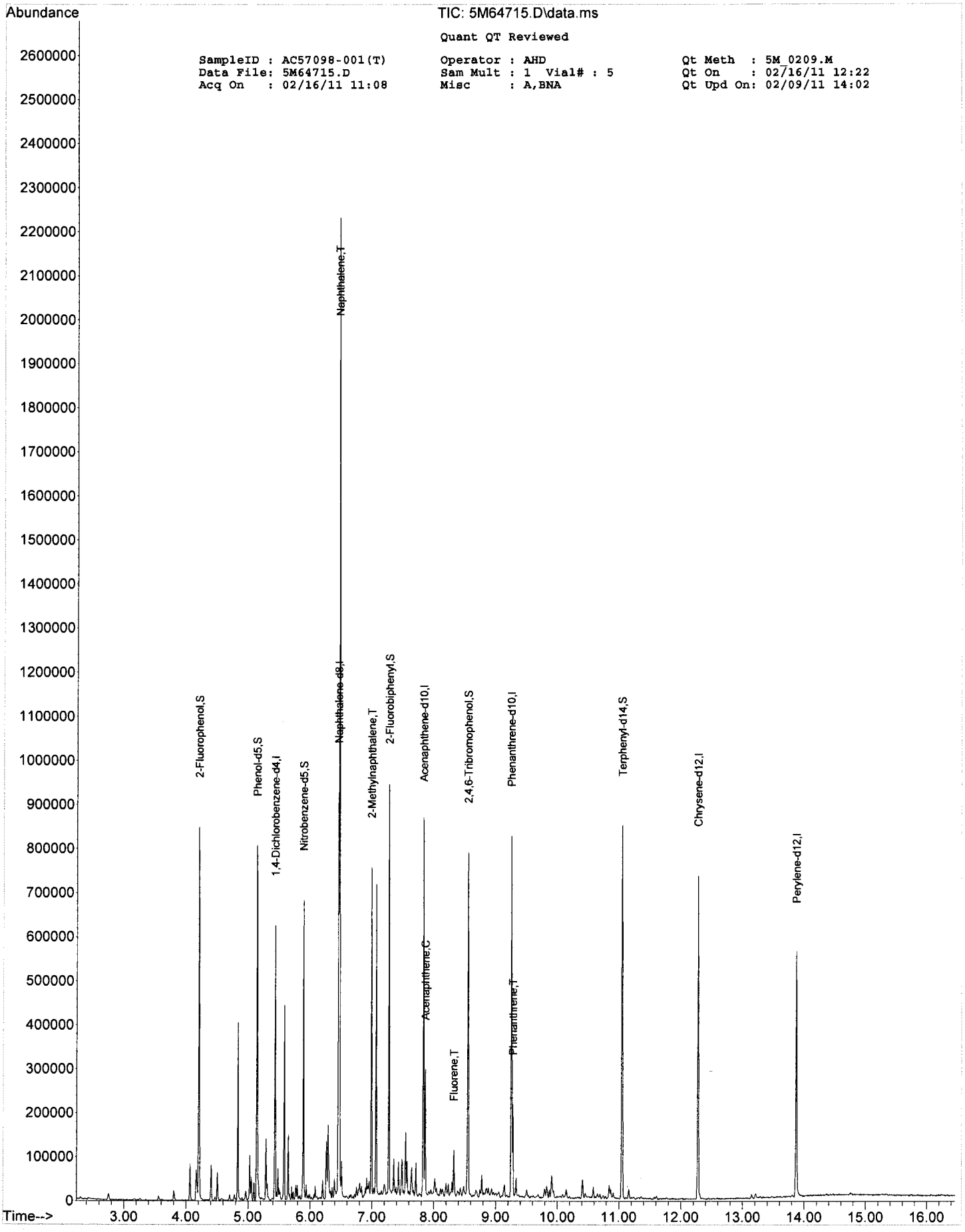
Quantitation Report (QT Reviewed)

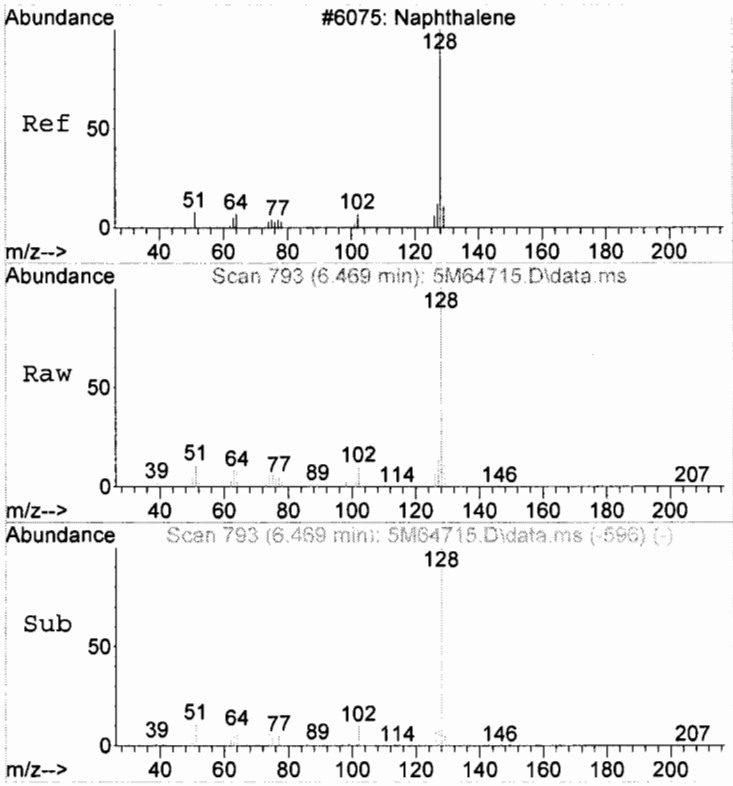
SampleID : AC57098-001(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64715.D Sam Mult : 1 Vial# : 5 Qt On : 02/16/11 12:22
Acq On : 02/16/11 11:08 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	70232	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	284132	40.00	ng	-0.02
47) Acenaphthene-d10	7.836	164	159007	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	261775	40.00	ng	-0.02
88) Chrysene-d12	12.276	240	217966	40.00	ng	-0.03
100) Perylene-d12	13.873	264	189347	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	195984	85.24	ng	-0.03
Spiked Amount 100.000			Recovery = 85.24%			
15) Phenol-d5	5.138	99	233289	71.89	ng	-0.03
Spiked Amount 100.000			Recovery = 71.89%			
30) Nitrobenzene-d5	5.892	128	61942	50.91	ng	-0.02
Spiked Amount 50.000			Recovery = 101.82%			
52) 2-Fluorobiphenyl	7.275	172	236621	47.13	ng	-0.01
Spiked Amount 50.000			Recovery = 94.26%			
77) 2,4,6-Tribromophenol	8.552	330	42339	111.21	ng	-0.02
Spiked Amount 100.000			Recovery = 111.21%			
91) Terphenyl-d14	11.052	244	226186	52.50	ng	-0.02
Spiked Amount 50.000			Recovery = 105.00%			
Target Compounds						Qvalue
39) Naphthalene	6.469	128	752957	97.78	ng	100
44) 2-Methylnaphthalene	6.992	142	152904	33.14	ng	97
62) Acenaphthene	7.863	153	56753	12.28	ng	90
69) Fluorene	8.322	166	26427	5.47	ng	96
83) Phenanthrene	9.279	178	66197	9.41	ng	99

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

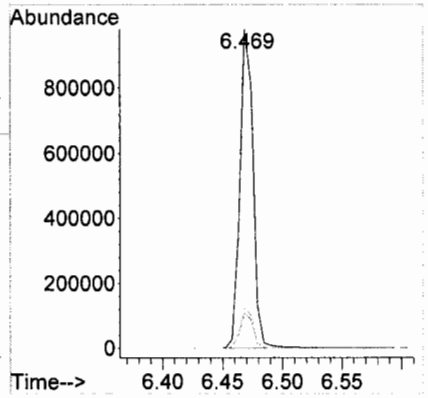

Abundance
TIC: 5M64715.D\data.ms
Quant QT Reviewed
SampleID : AC57098-001(T)
Data File: 5M64715.D
Acq On : 02/16/11 11:08
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:22
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

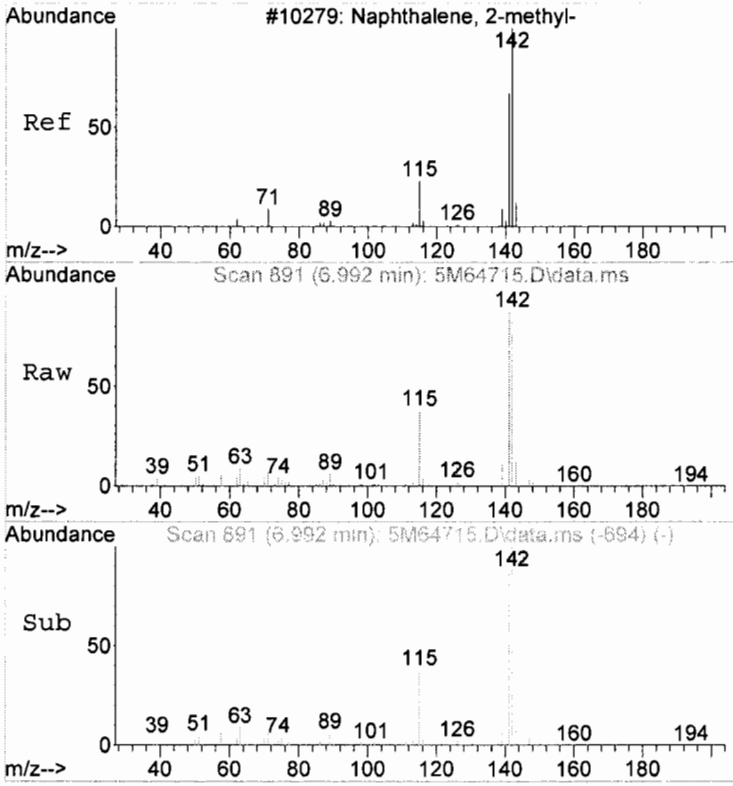


#39
Naphthalene
Concen: 97.78 ng
RT: 6.469 min Scan# 793
Delta R.T. -0.016 min
Lab File: 5M64715.D
Acq: 16 Feb 2011 11:08

Tgt Ion:128 Resp: 752957

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	50.9
127	12.6	0.0	52.4

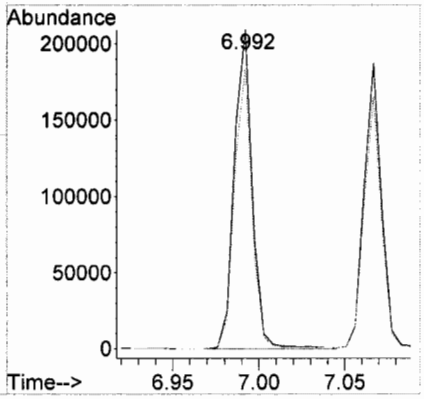


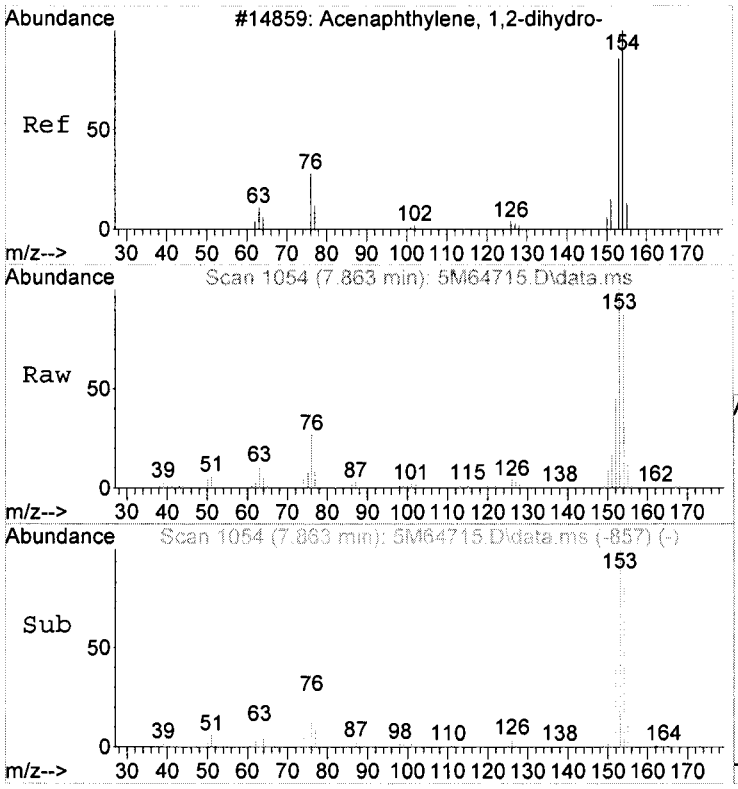


#44
2-Methylnaphthalene
Concen: 33.14 ng
RT: 6.992 min Scan# 891
Delta R.T. -0.016 min
Lab File: 5M64715.D
Acq: 16 Feb 2011 11:08

Tgt Ion:142 Resp: 152904

Ion	Ratio	Lower	Upper
142	100		
141	87.8	44.6	124.6

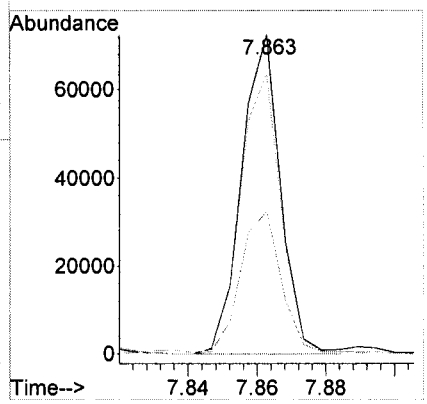


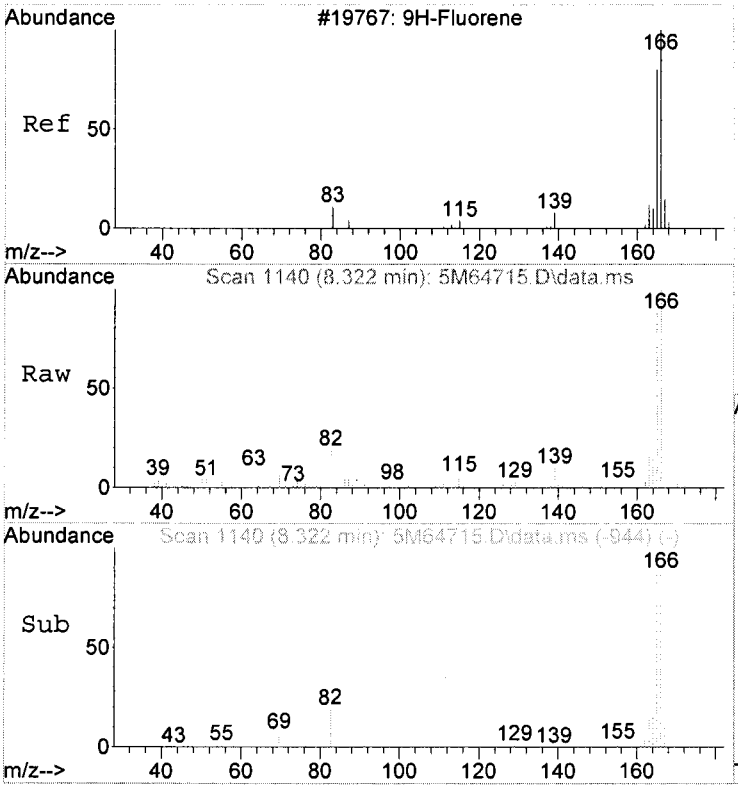


#62
Acenaphthene
Concen: 12.28 ng
RT: 7.863 min Scan# 1054
Delta R.T. -0.016 min
Lab File: 5M64715.D
Acq: 16 Feb 2011 11:08

Tgt Ion:153 Resp: 56753

Ion	Ratio	Lower	Upper
153	100		
152	44.7	10.0	90.0
154	87.2	57.5	137.5

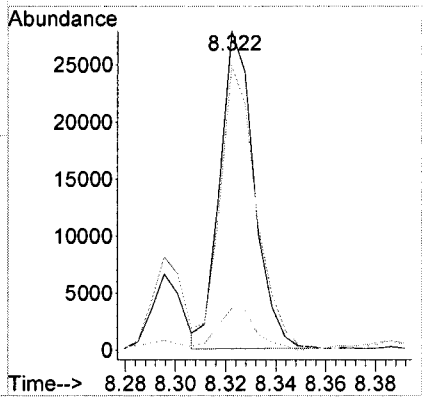


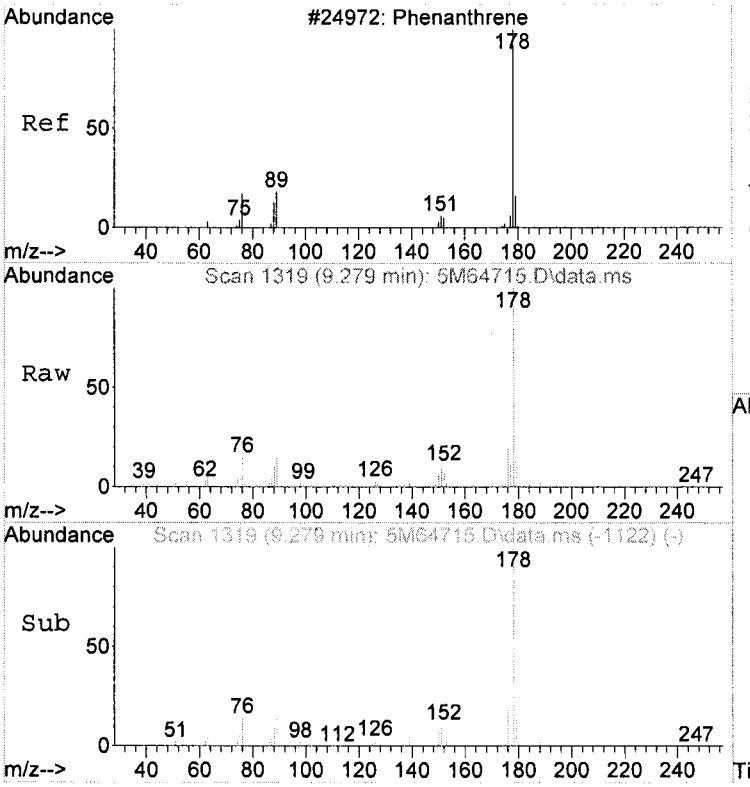


#69
Fluorene
Concen: 5.47 ng
RT: 8.322 min Scan# 1140
Delta R.T. -0.021 min
Lab File: 5M64715.D
Acq: 16 Feb 2011 11:08

Tgt Ion:166 Resp: 26427

Ion	Ratio	Lower	Upper
166	100		
165	88.4	0.0	292.6
167	12.3	0.0	213.2

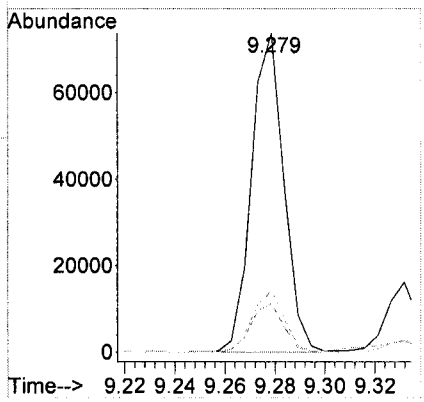




#83
Phenanthrene
Concen: 9.41 ng
RT: 9.279 min Scan# 1319
Delta R.T. -0.016 min
Lab File: 5M64715.D
Acq: 16 Feb 2011 11:08

Tgt Ion:178 Resp: 66197

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	55.5
176	19.4	0.0	59.3



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-005(T)(R)
Client Id: ISSS3 large monolith (5th)
Data File: 10M19511.D
Analysis Date: 02/22/11 10:10
Date Rec/Extracted: 02/03/11-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	**86-74-8**	**Carbazole**	**0.15**	**0.27 J**
91-58-7	2-Chloronaphthalene	0.19	U	**218-01-9**	**Chrysene**	**0.16**	**0.21 J**
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**16**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.87 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**3.3**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**45**
83-32-9	**Acenaphthene**	**0.21**	**6.7**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.73 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**1.2 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.29 J**	**85-01-8**	**Phenanthrene**	**0.15**	**6.2**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**1.3 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

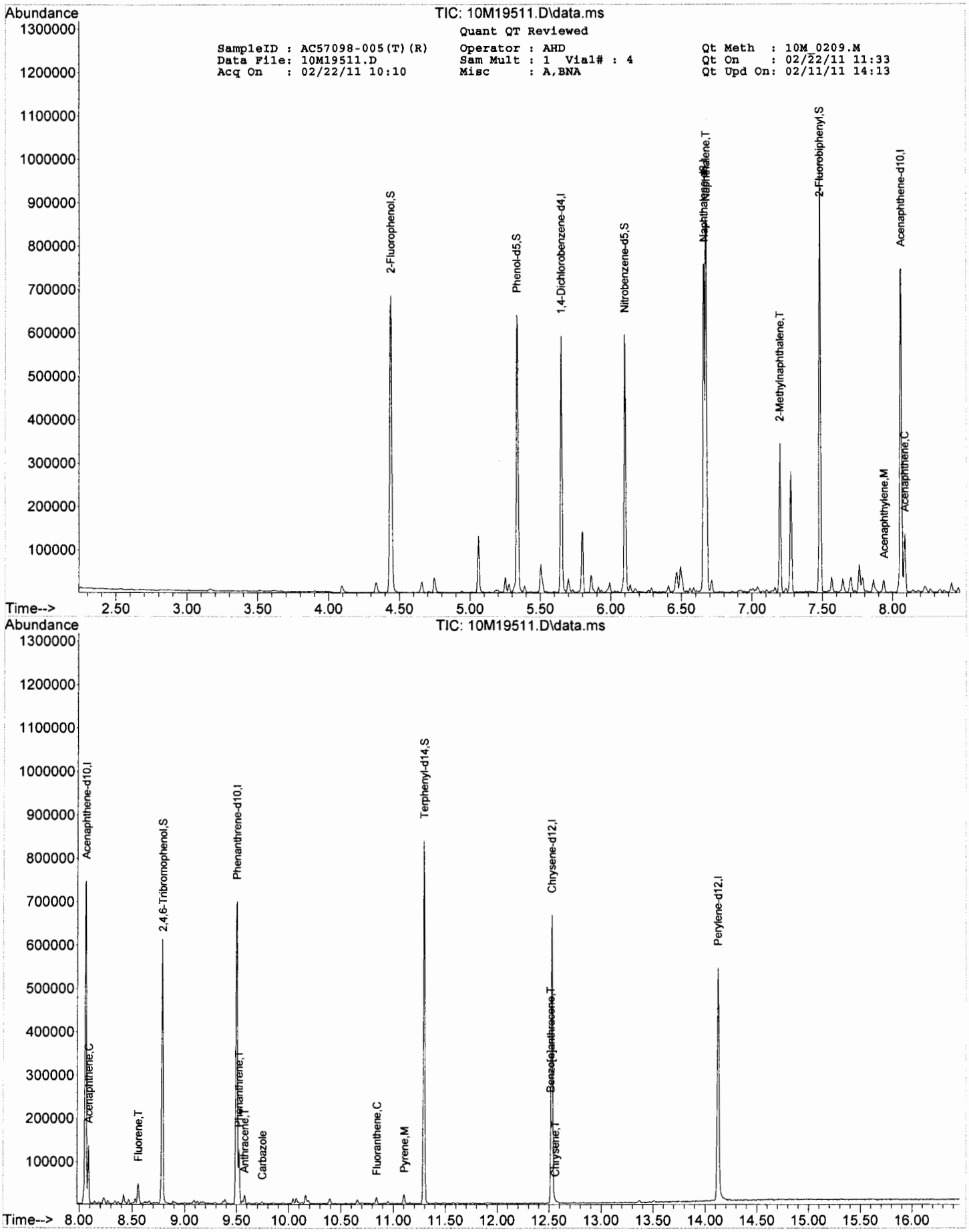
SampleID : AC57098-005(T)(R) Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19511.D Sam Mult : 1 Vial# : 4 Qt On : 02/22/11 11:33
Acq On : 02/22/11 10:10 Misc : A,BNA Qt Upd On: 02/11/11 14:13

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

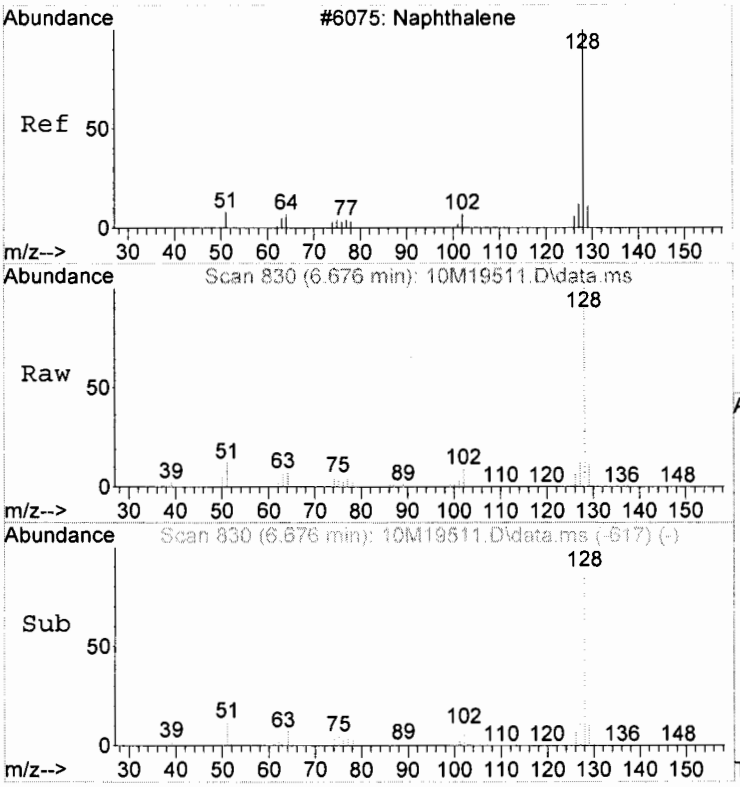
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.649	152	70157	40.00	ng	-0.03
29) Naphthalene-d8	6.660	136	283867	40.00	ng	-0.03
47) Acenaphthene-d10	8.062	164	157327	40.00	ng	-0.04
74) Phenanthrene-d10	9.500	188	255976	40.00	ng	-0.04
88) Chrysene-d12	12.528	240	232145	40.00	ng	-0.04
100) Perylene-d12	14.122	264	216506	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.441	112	184894	76.93	ng	-0.04
Spiked Amount 100.000			Recovery = 76.93%			
15) Phenol-d5	5.334	99	184457	60.07	ng	-0.04
Spiked Amount 100.000			Recovery = 60.07%			
30) Nitrobenzene-d5	6.099	128	59867	51.03	ng	-0.04
Spiked Amount 50.000			Recovery = 102.06%			
52) 2-Fluorobiphenyl	7.484	172	240292	49.89	ng	-0.04
Spiked Amount 50.000			Recovery = 99.78%			
77) 2,4,6-Tribromophenol	8.789	330	45035	98.55	ng	-0.04
Spiked Amount 100.000			Recovery = 98.55%			
91) Terphenyl-d14	11.292	244	232876	50.84	ng	-0.04
Spiked Amount 50.000			Recovery = 101.68%			
Target Compounds						Qvalue
39) Naphthalene	6.676	128	326543	45.31	ng	99
44) 2-Methylnaphthalene	7.200	142	72481	15.69	ng	98
59) Acenaphthylene	7.939	152	5015	0.73	ng	87
62) Acenaphthene	8.088	153	28480	6.70	ng	94
69) Fluorene	8.559	166	15947	3.26	ng	93
83) Phenanthrene	9.522	178	42412	6.17	ng	99
84) Anthracene	9.575	178	8286	1.18	ng	94
85) Carbazole	9.746	167	1923	0.27	ng	98
87) Fluoranthene	10.843	202	6337	0.87	ng	91
89) Pyrene	11.105	202	10081	1.31	ng	90
97) Benzo[a]anthracene	12.517	228	1895m	0.29	ng	
98) Chrysene	12.560	228	1313	0.21	ng	95

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

16


Abundance
TIC: 10M19511.D\data.ms
Quant QT Reviewed
SampleID : AC57098-005(T)(R)
Data File: 10M19511.D
Acq On : 02/22/11 10:10
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/22/11 11:33
Qt Upd On: 02/11/11 14:13
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Time-->

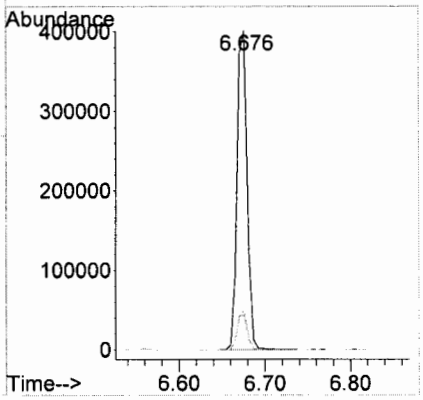
Abundance
TIC: 10M19511.D\data.ms
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,T
Chrysene,T
Perylene-d12,I
Time-->

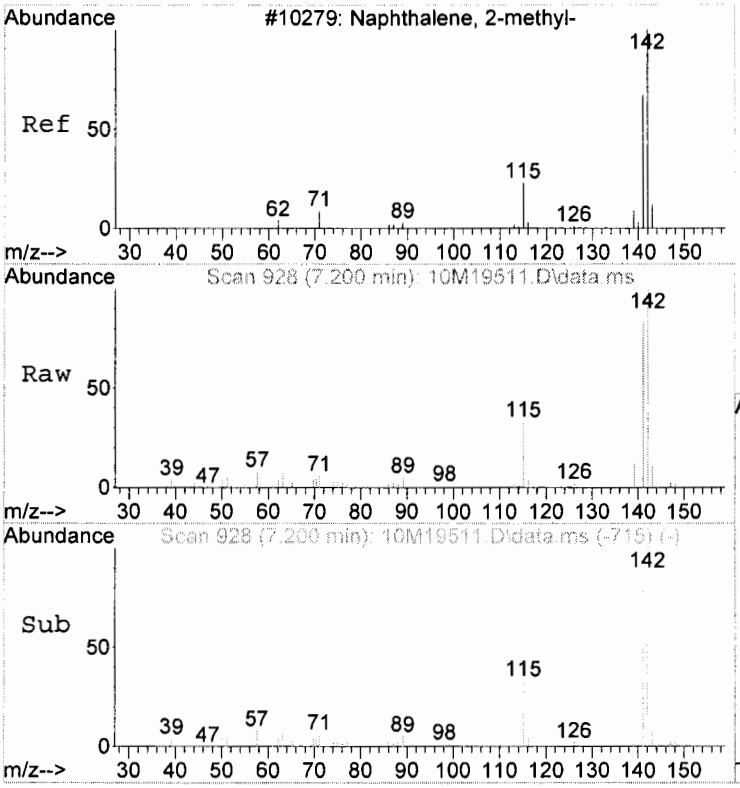


#39
Naphthalene
Concen: 45.31 ng
RT: 6.676 min Scan# 830
Delta R.T. -0.032 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:128 Resp: 326543

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	50.9
127	12.0	0.0	52.4

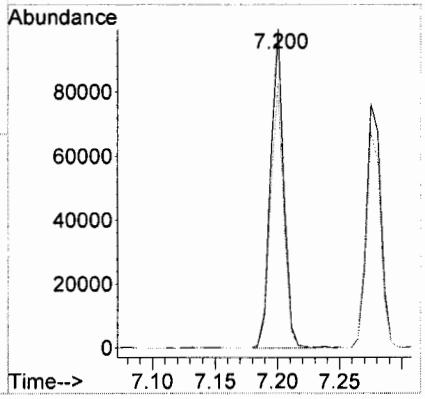


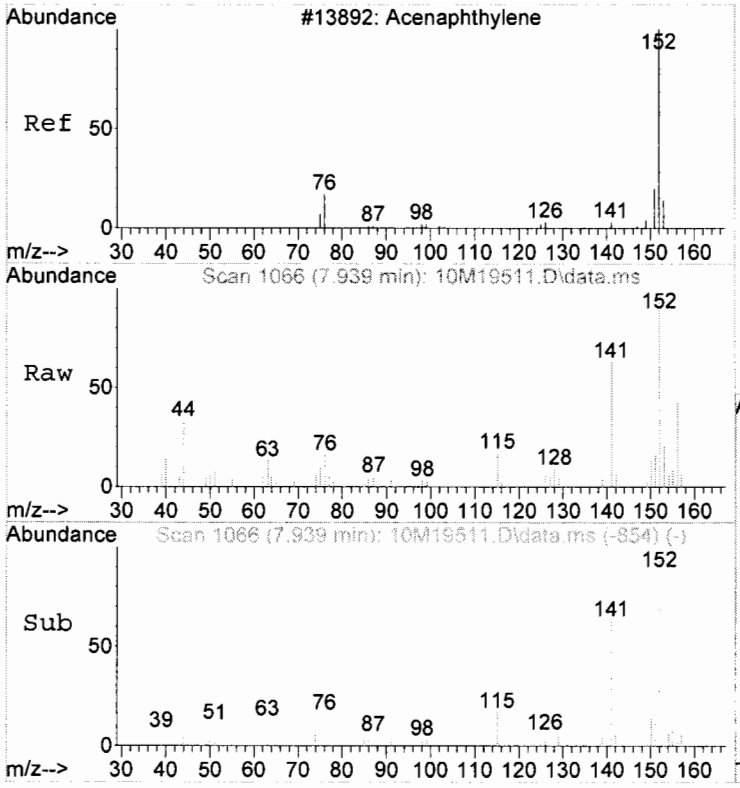


#44
2-Methylnaphthalene
Concen: 15.69 ng
RT: 7.200 min Scan# 928
Delta R.T. -0.032 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:142 Resp: 72481

Ion	Ratio	Lower	Upper
142	100		
141	82.9	44.6	124.6

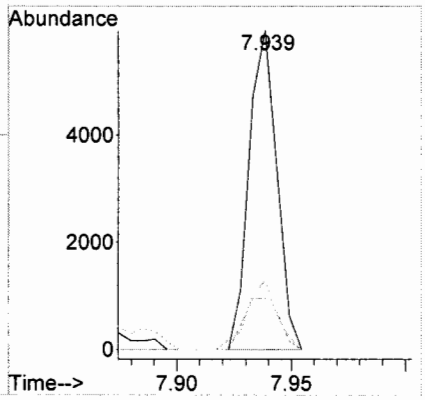


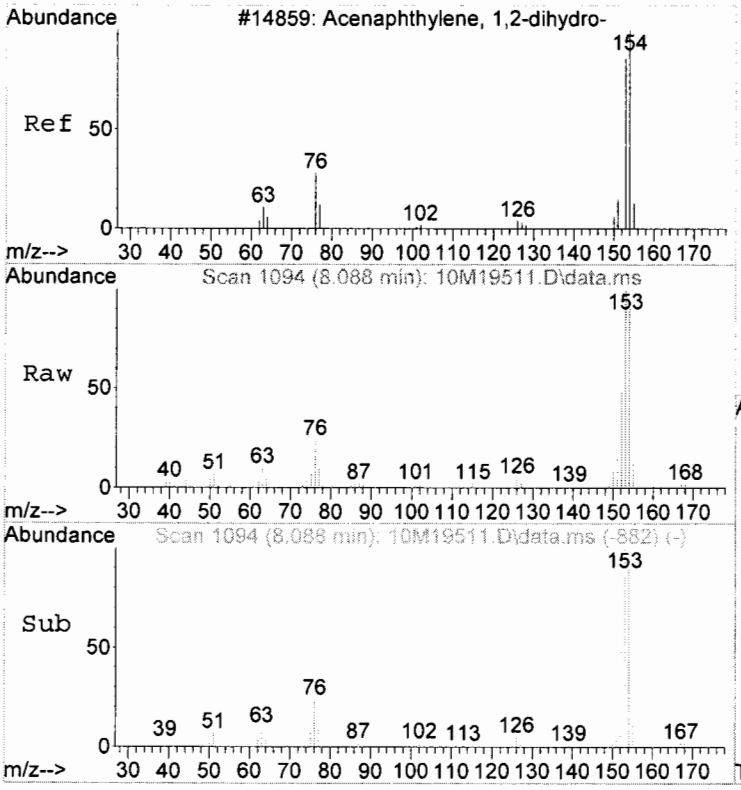


#59
Acenaphthylene
Concen: 0.73 ng
RT: 7.939 min Scan# 1066
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:152 Resp: 5015

Ion	Ratio	Lower	Upper
152	100		
151	16.0	0.0	59.2
153	21.5	0.0	53.2

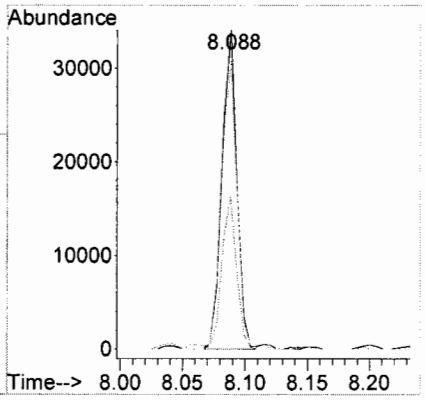


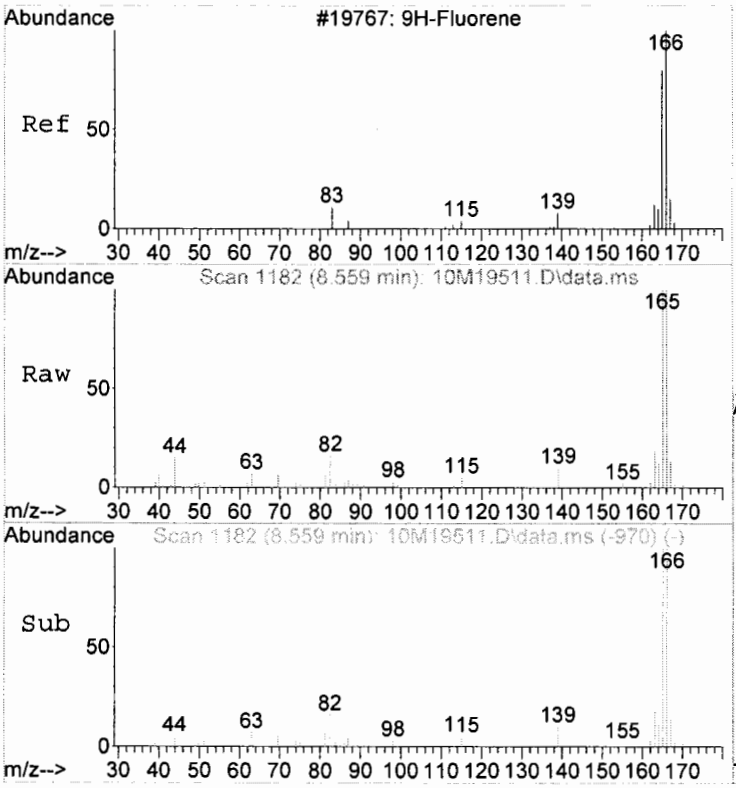


#62
Acenaphthene
Concen: 6.70 ng
RT: 8.088 min Scan# 1094
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:153 Resp: 28480

Ion	Ratio	Lower	Upper
153	100		
152	47.6	10.0	90.0
154	90.2	57.5	137.5

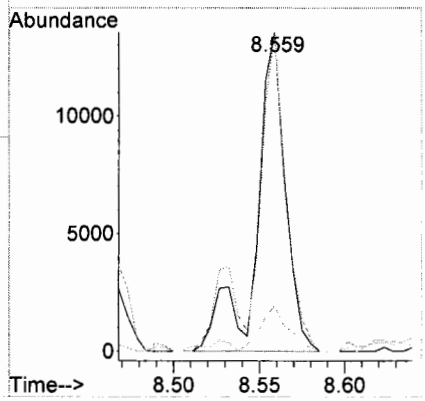


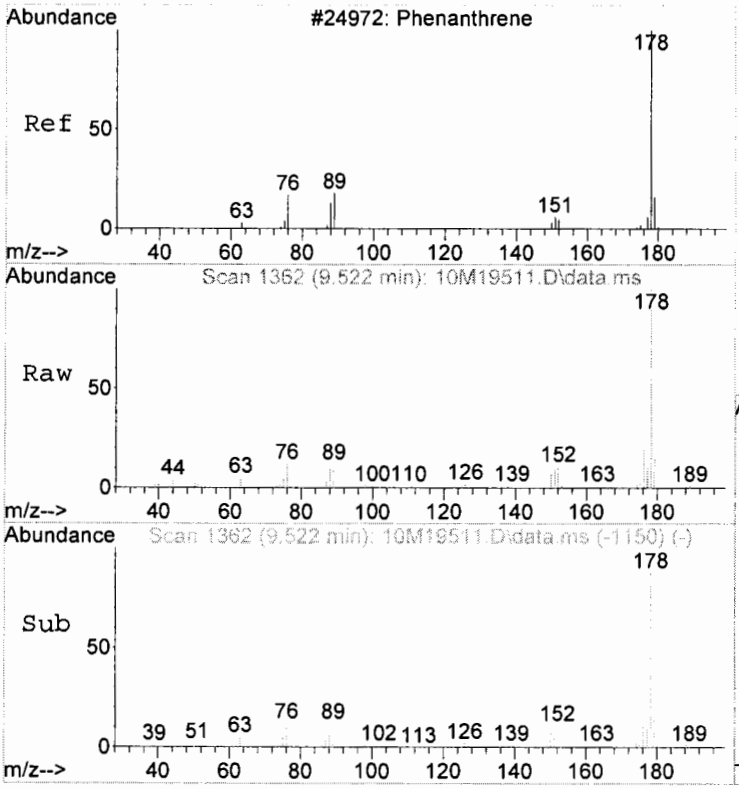


#69
Fluorene
Concen: 3.26 ng
RT: 8.559 min Scan# 1182
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:166 Resp: 15947

Ion	Ratio	Lower	Upper
166	100		
165	99.6	0.0	292.6
167	14.3	0.0	213.2

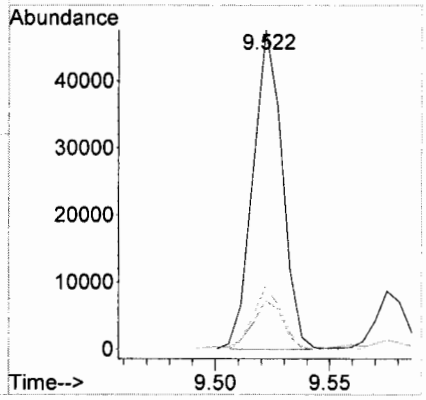


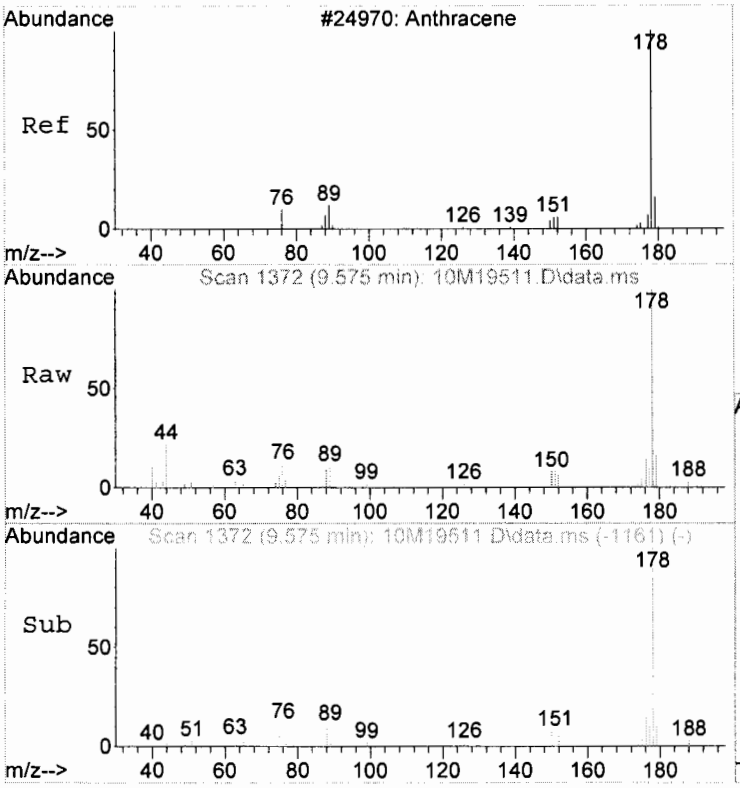


#83
Phenanthrene
Concen: 6.17 ng
RT: 9.522 min Scan# 1362
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:178 Resp: 42412

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	55.5
176	19.7	0.0	59.3

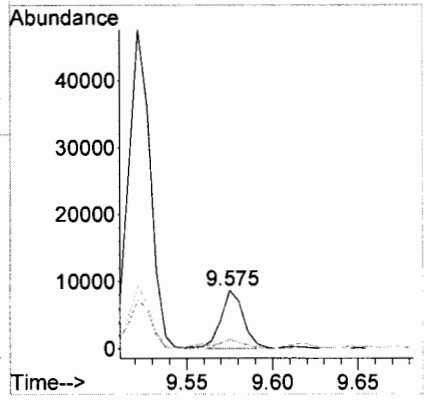


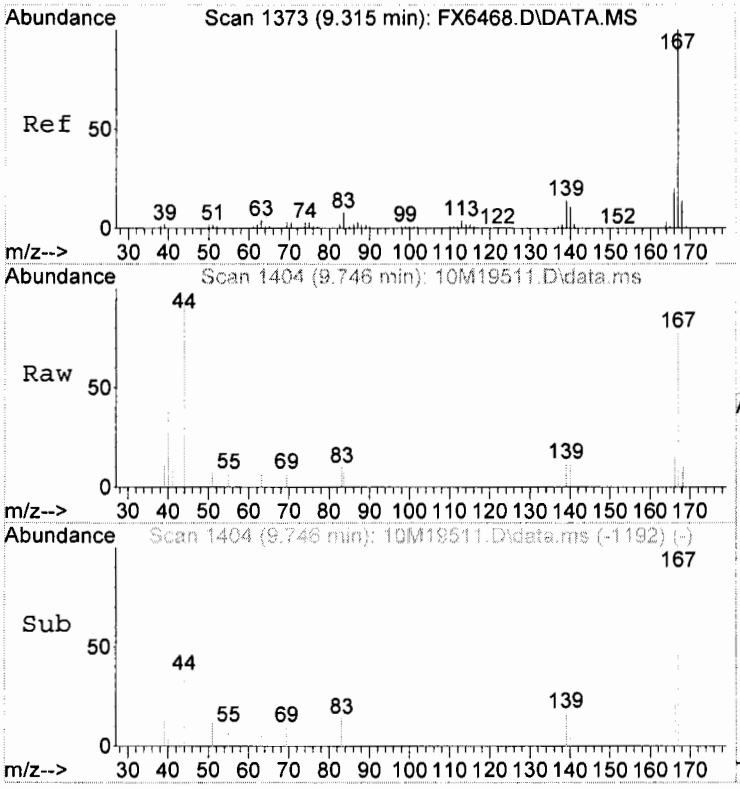


#84
Anthracene
Concen: 1.18 ng
RT: 9.575 min Scan# 1372
Delta R.T. -0.043 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:178 Resp: 8286

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	55.2
176	13.7	0.0	58.1

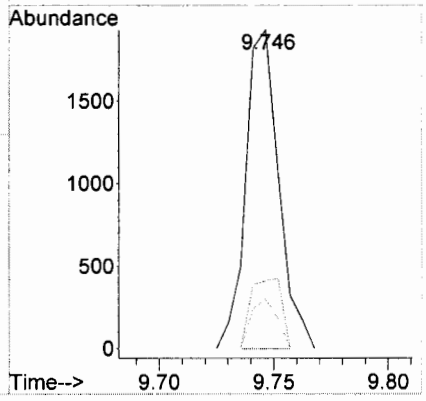


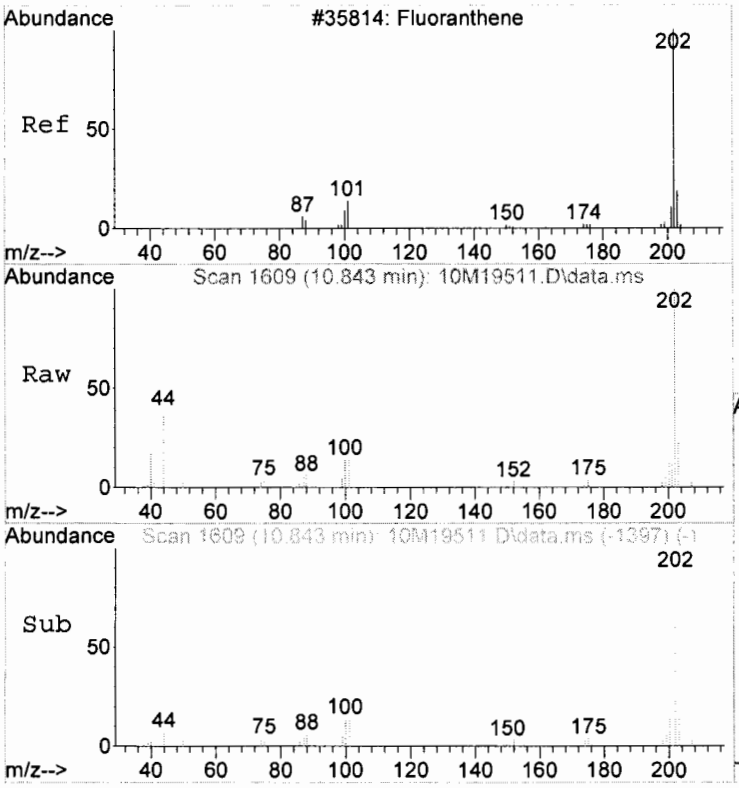


#85
Carbazole
Concen: 0.27 ng
RT: 9.746 min Scan# 1404
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:167 Resp: 1923

Ion	Ratio	Lower	Upper
167	100		
166	21.3	0.2	40.2
139	15.6	0.0	35.0

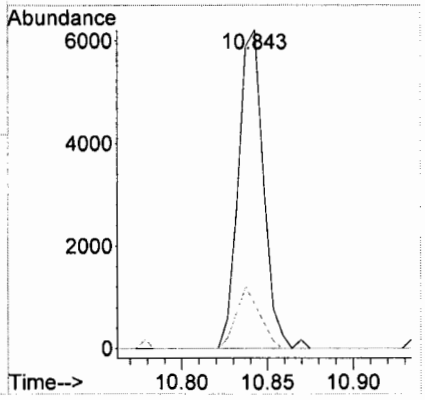


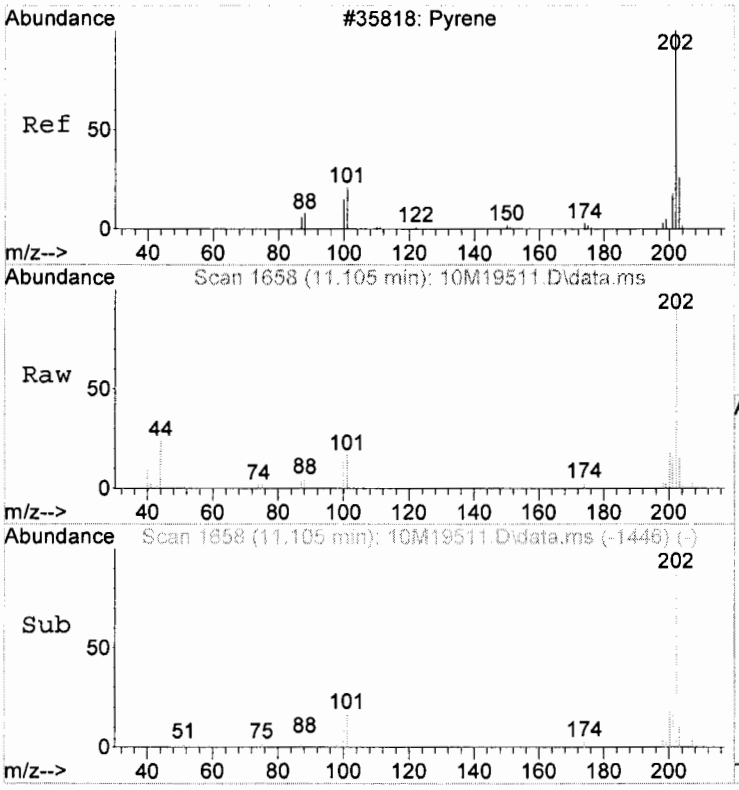


#87
Fluoranthene
Concen: 0.87 ng
RT: 10.843 min Scan# 1609
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:202 Resp: 6337

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	57.6

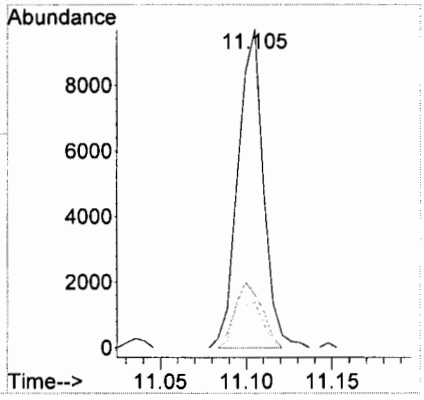


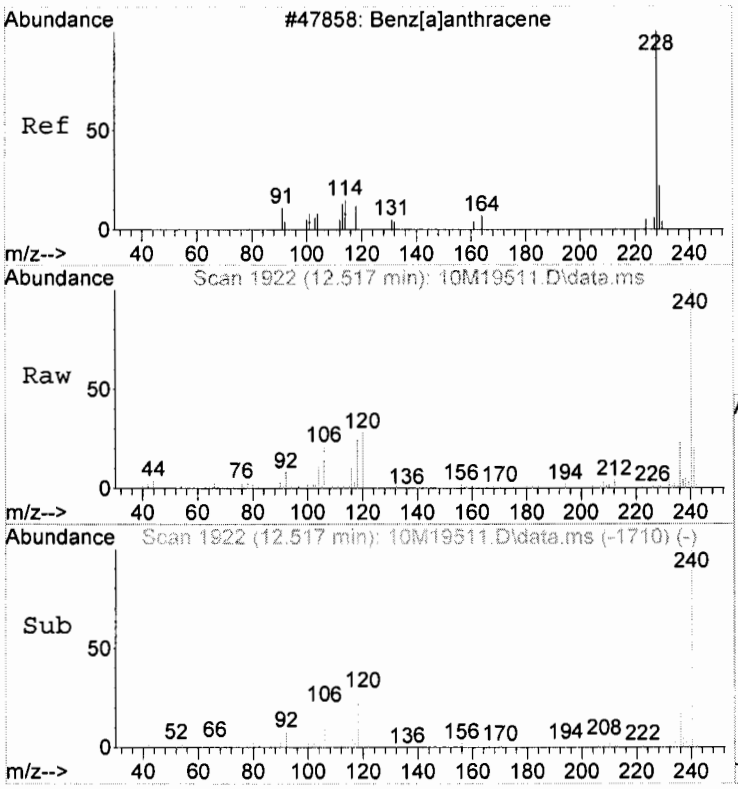


#89
Pyrene
Concen: 1.31 ng
RT: 11.105 min Scan# 1658
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:202 Resp: 10081

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	62.2
100	14.3	0.0	57.8

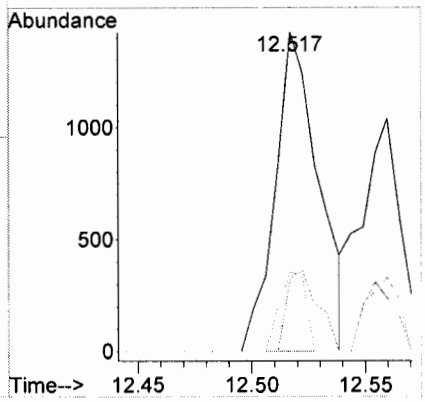


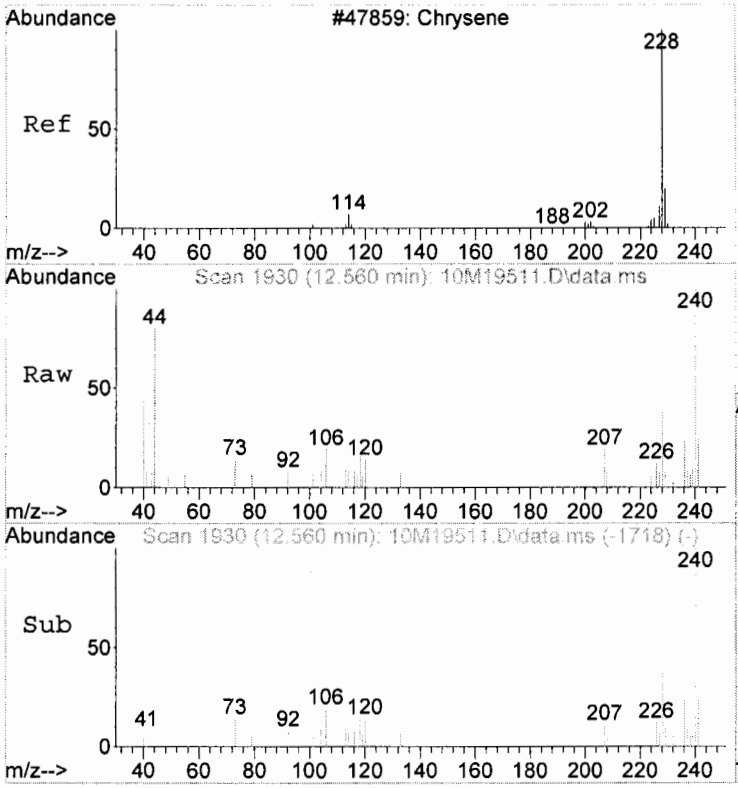


#97
Benzo[a]anthracene
Concen: 0.29 ng m
RT: 12.517 min Scan# 1922
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:228 Resp: 1895

Ion	Ratio	Lower	Upper
228	100		
229	23.0	0.0	59.5
226	24.9	0.0	66.0

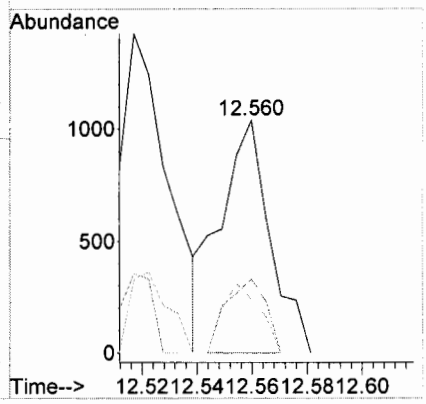




#98
Chrysene
Concen: 0.21 ng
RT: 12.560 min Scan# 1930
Delta R.T. -0.037 min
Lab File: 10M19511.D
Acq: 22 Feb 2011 10:10

Tgt Ion:228 Resp: 1313

Ion	Ratio	Lower	Upper
228	100		
226	31.6	9.5	49.5
229	23.0	0.0	60.2



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-010(T)
Client Id: ISSS3 large monolith (10th)
Data File: 5M64839.D
Analysis Date: 02/24/11 11:05
Date Rec/Extracted: 02/03/11-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	**218-01-9**	**Chrysene**	**0.16**	**0.22 J**
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**14**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.82 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.3**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**36**
83-32-9	**Acenaphthene**	**0.21**	**5.3**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.58 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.92 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.37 J**	**85-01-8**	**Phenanthrene**	**0.15**	**5.2**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**1.1 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

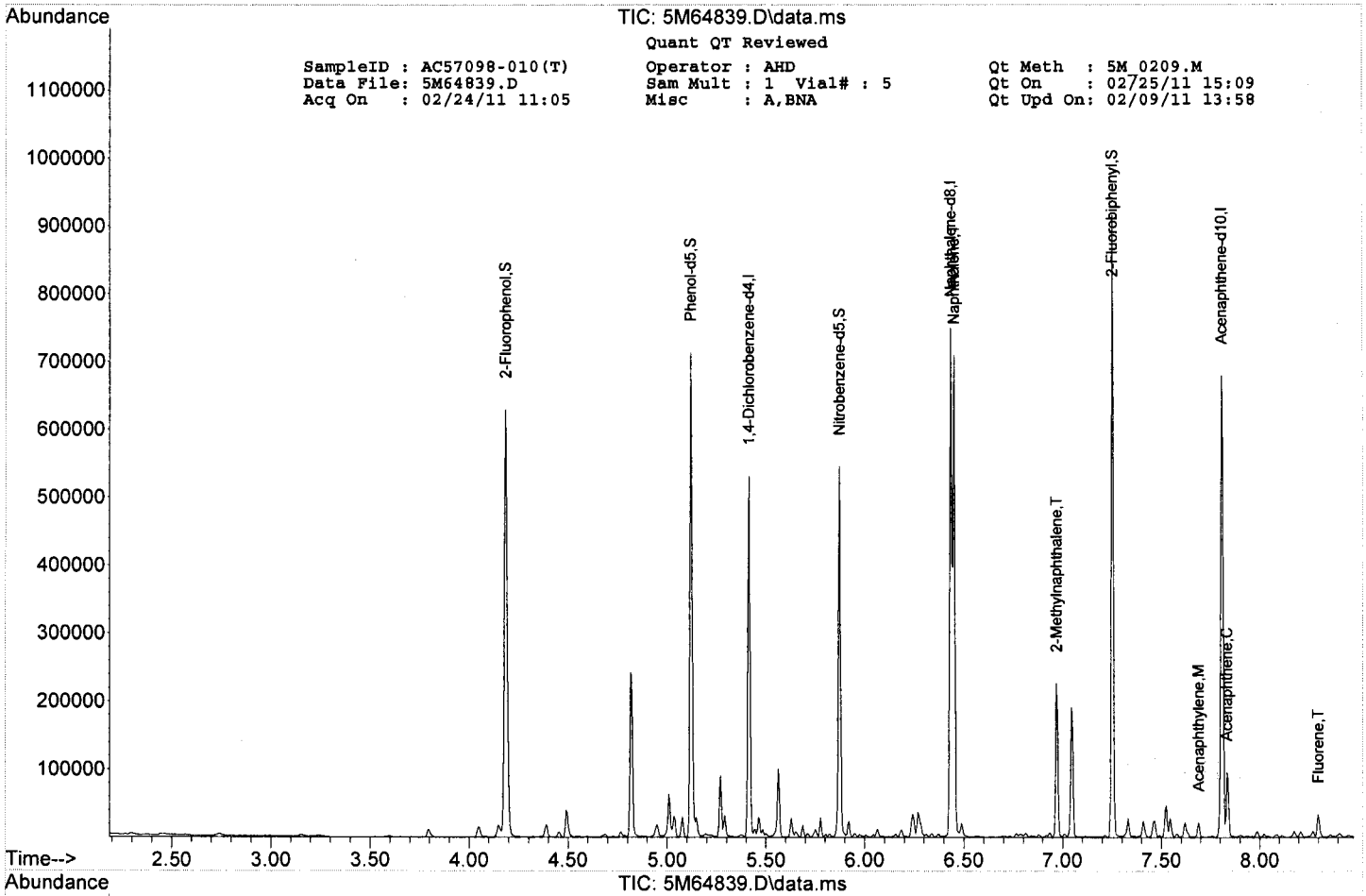
Quantitation Report (QT Reviewed)

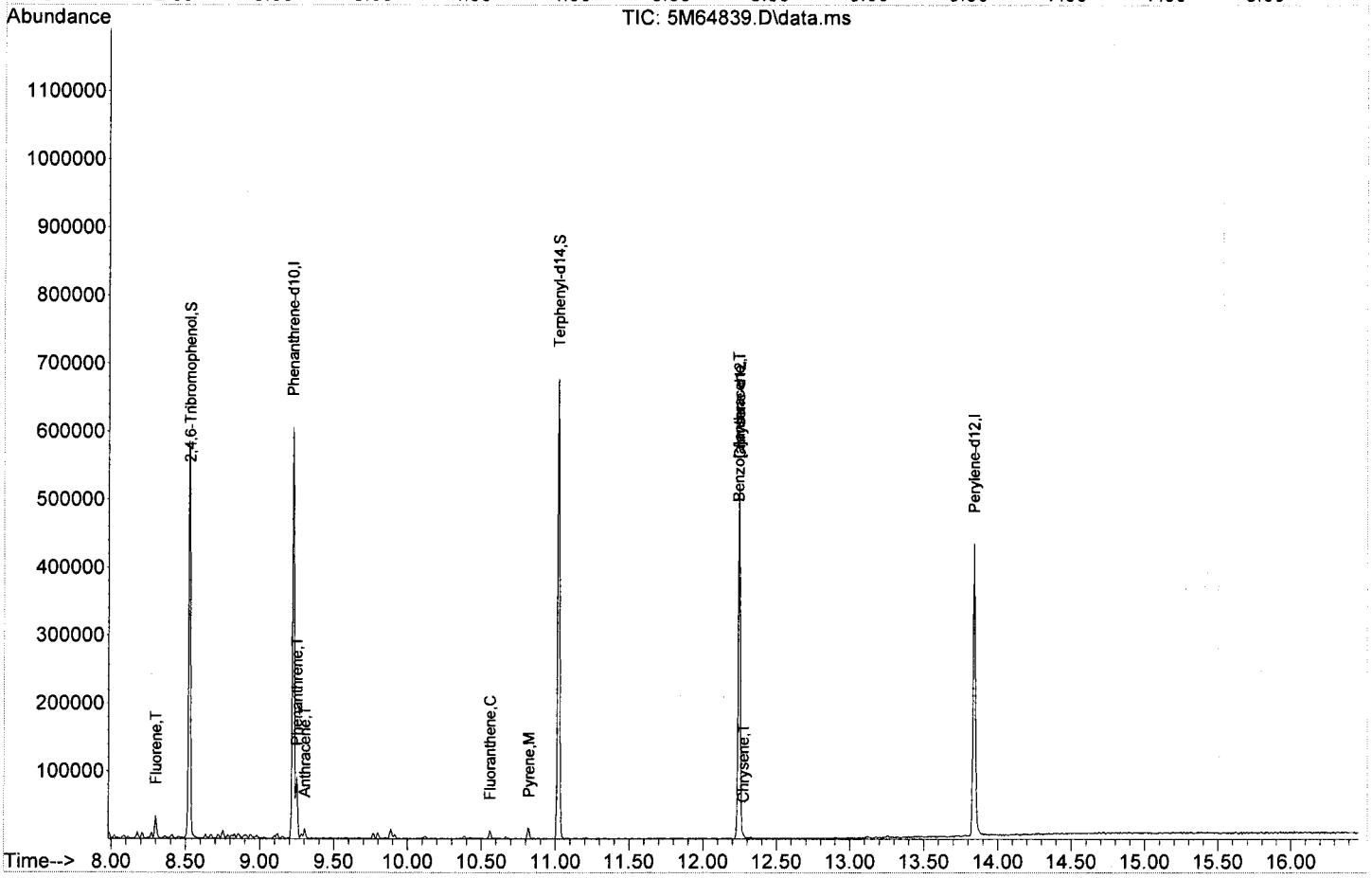
SampleID : AC57098-010(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64839.D Sam Mult : 1 Vial# : 5 Qt On : 02/25/11 15:09
Acq On : 02/24/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 13:58

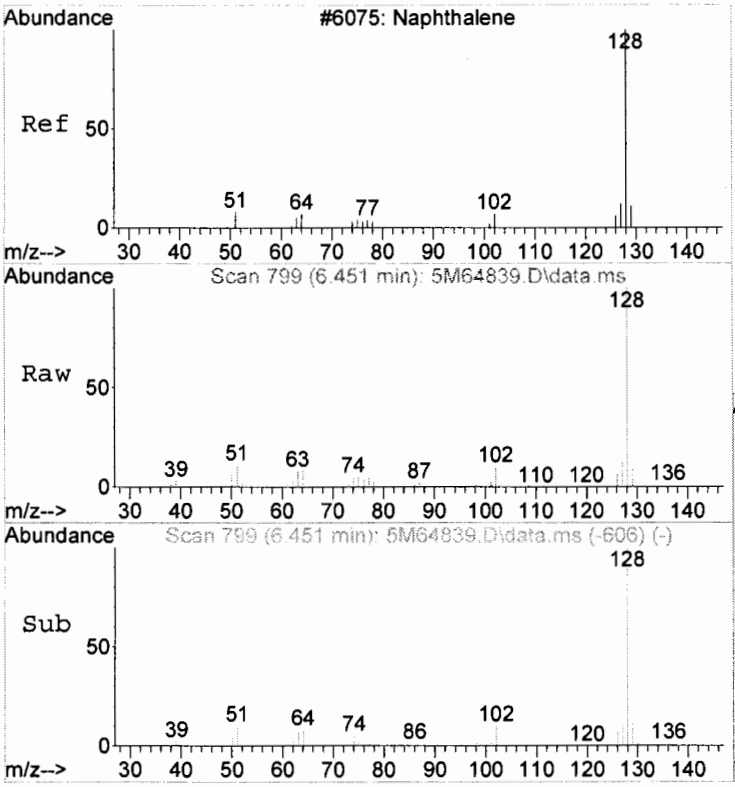
Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	56561	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	217578	40.00	ng	-0.03
47) Acenaphthene-d10	7.808	164	120797	40.00	ng	-0.04
74) Phenanthrene-d10	9.223	188	199619	40.00	ng	-0.05
88) Chrysene-d12	12.247	240	159737	40.00	ng	-0.06
100) Perylene-d12	13.839	264	137888	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	162607	87.82	ng	-0.04
Spiked Amount 100.000			Recovery = 87.82%			
15) Phenol-d5	5.120	99	186424	71.33	ng	-0.04
Spiked Amount 100.000			Recovery = 71.33%			
30) Nitrobenzene-d5	5.874	128	47490	50.97	ng	-0.03
Spiked Amount 50.000			Recovery = 101.94%			
52) 2-Fluorobiphenyl	7.252	172	193624	50.77	ng	-0.03
Spiked Amount 50.000			Recovery = 101.54%			
77) 2,4,6-Tribromophenol	8.529	330	30858	106.29	ng	-0.04
Spiked Amount 100.000			Recovery = 106.29%			
91) Terphenyl-d14	11.024	244	178865	56.65	ng	-0.04
Spiked Amount 50.000			Recovery = 113.30%			
Target Compounds						Qvalue
39) Naphthalene	6.451	128	212413	36.02	ng	100
44) 2-Methylnaphthalene	6.969	142	47907	13.56	ng	96
59) Acenaphthylene	7.690	152	3261	0.58	ng	88
62) Acenaphthene	7.834	153	18584	5.29	ng	95
69) Fluorene	8.299	166	8452	2.30	ng	91
83) Phenanthrene	9.250	178	27866	5.20	ng	100
84) Anthracene	9.303	178	4982	0.92	ng	93
87) Fluoranthene	10.559	202	4360	0.82	ng	98
89) Pyrene	10.821	202	6276	1.10	ng	92
97) Benzo[a]anthracene	12.242	228	1685	0.37	ng	88
98) Chrysene	12.274	228	1000	0.22	ng	73

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


Abundance
TIC: 5M64839.D\data.ms
Quant QT Reviewed
SampleID : AC57098-010(T)
Data File: 5M64839.D
Acq On : 02/24/11 11:05
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/25/11 15:09
Qt Upd On: 02/09/11 13:58
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Fluorene,T
Time-->

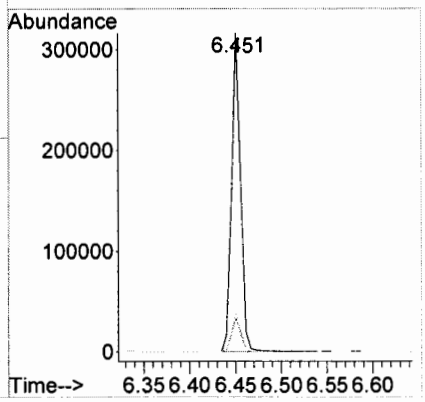

Abundance
TIC: 5M64839.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene,T
Perylene-d12,I
Time-->

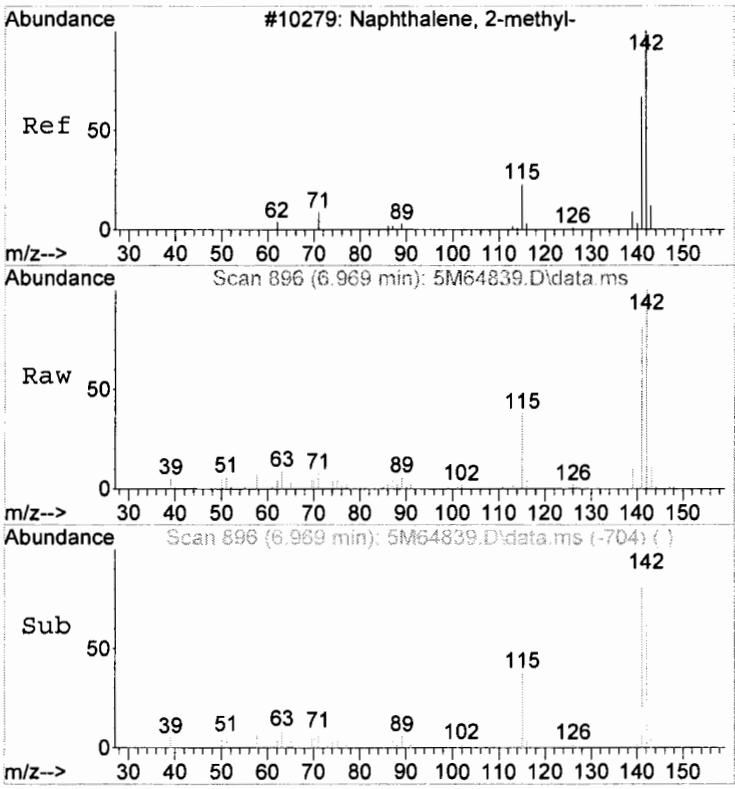


#39
Naphthalene
Concen: 36.02 ng
RT: 6.451 min Scan# 799
Delta R.T. -0.034 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:128 Resp: 212413

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	50.9
127	12.3	0.0	52.4

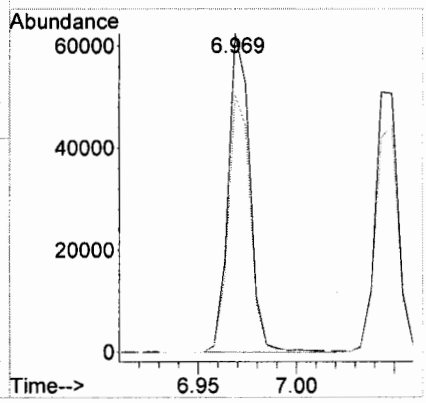


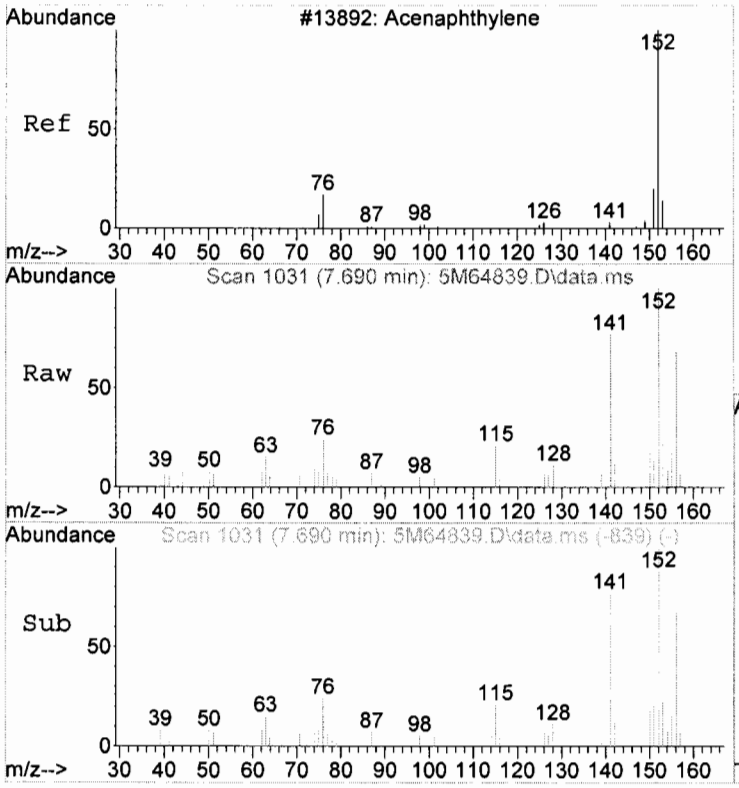


#44
2-Methylnaphthalene
Concen: 13.56 ng
RT: 6.969 min Scan# 896
Delta R.T. -0.039 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:142 Resp: 47907

Ion	Ratio	Lower	Upper
142	100		
141	80.6	44.6	124.6

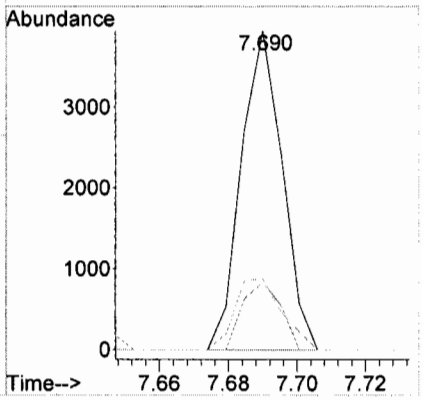


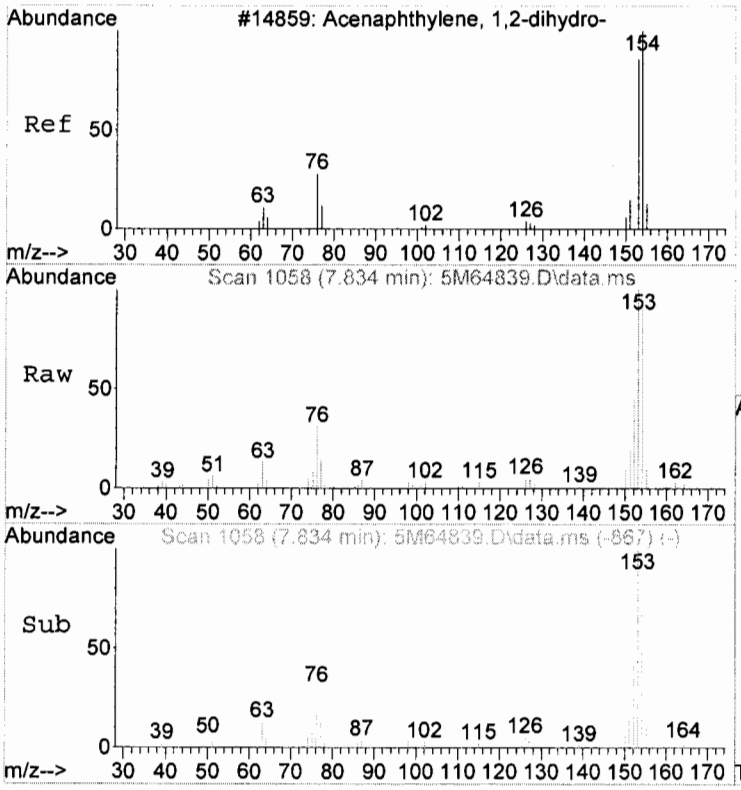


#59
Acenaphthylene
Concen: 0.58 ng
RT: 7.690 min Scan# 1031
Delta R.T. -0.039 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:152 Resp: 3261

Ion	Ratio	Lower	Upper
152	100		
151	21.2	0.0	59.2
153	22.2	0.0	53.2

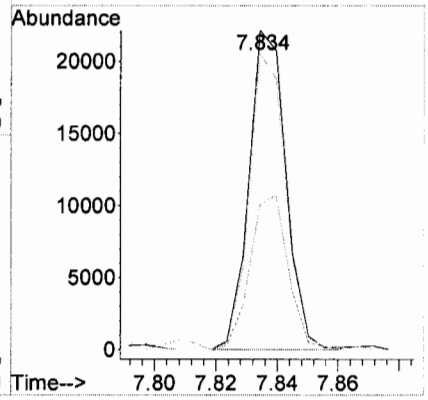


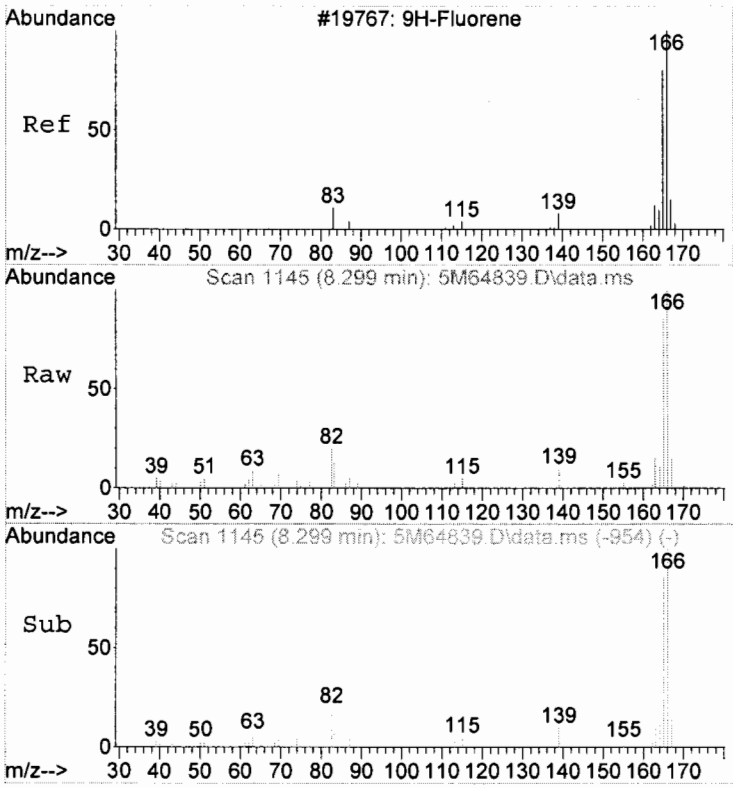


#62
Acenaphthene
Concen: 5.29 ng
RT: 7.834 min Scan# 1058
Delta R.T. -0.045 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:153 Resp: 18584

Ion	Ratio	Lower	Upper
153	100		
152	45.4	10.0	90.0
154	92.8	57.5	137.5

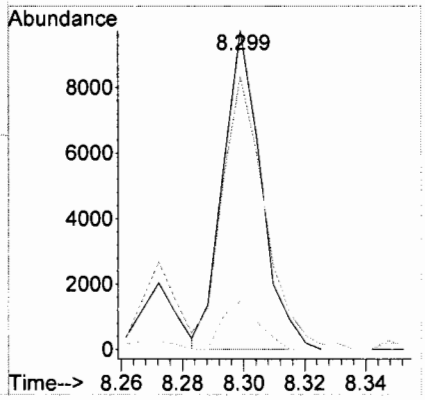


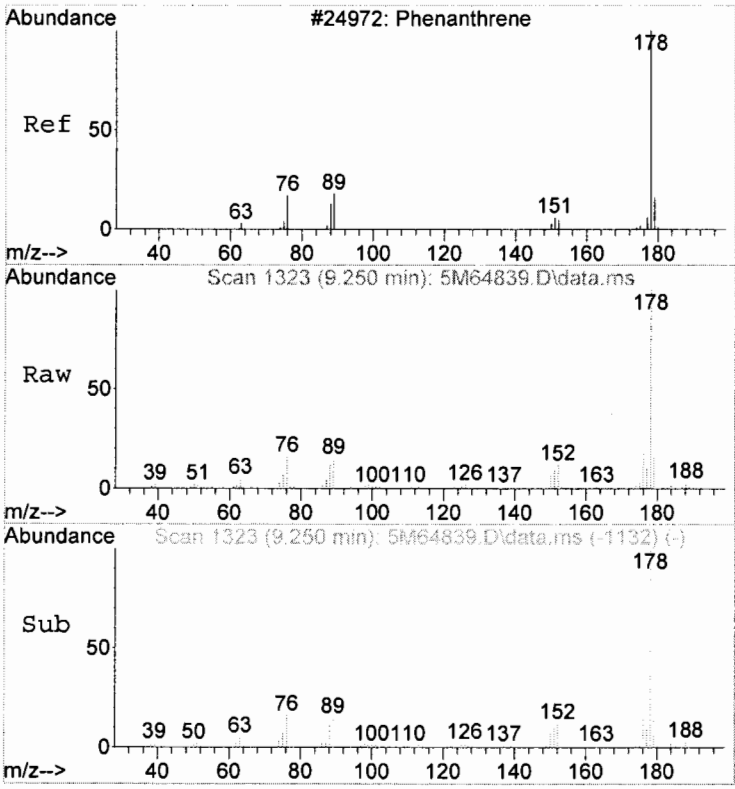


#69
Fluorene
Concen: 2.30 ng
RT: 8.299 min Scan# 1145
Delta R.T. -0.045 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:166 Resp: 8452

Ion	Ratio	Lower	Upper
166	100		
165	83.7	0.0	292.6
167	15.2	0.0	213.2

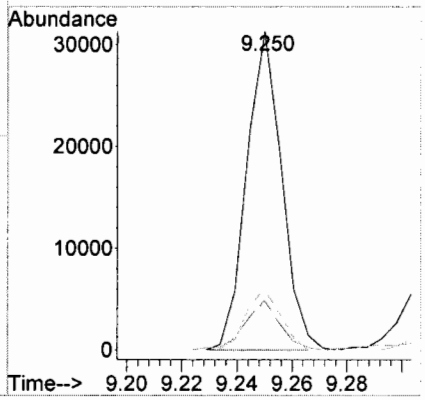


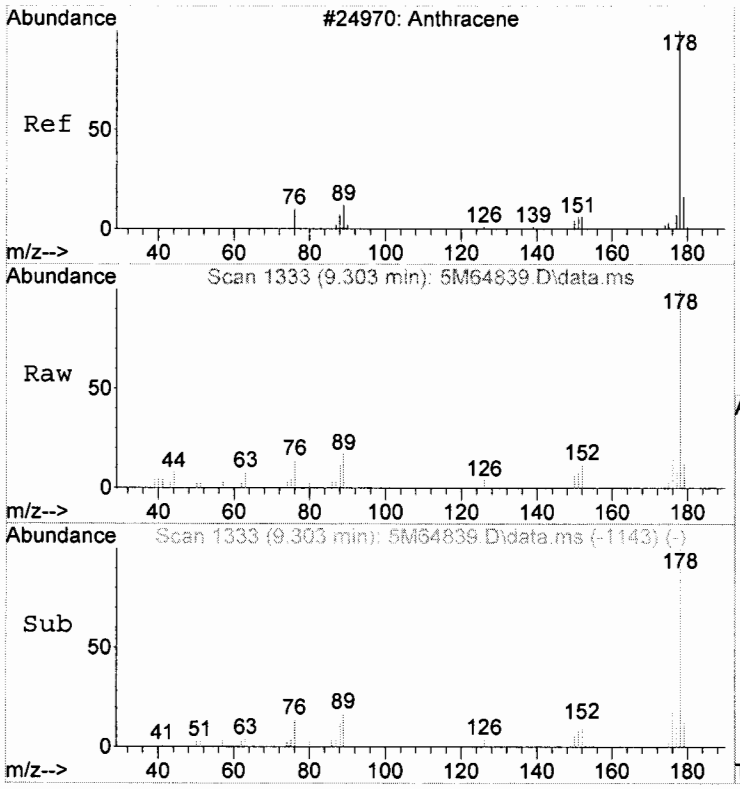


#83
Phenanthrene
Concen: 5.20 ng
RT: 9.250 min Scan# 1323
Delta R.T. -0.045 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:178 Resp: 27866

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	55.5
176	19.0	0.0	59.3

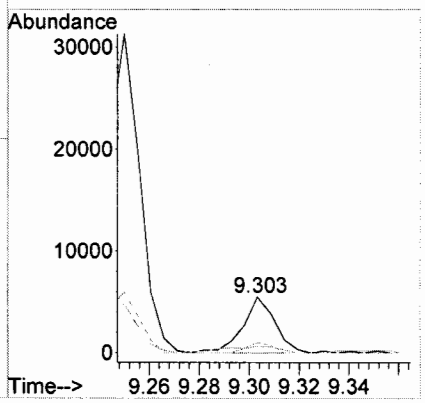


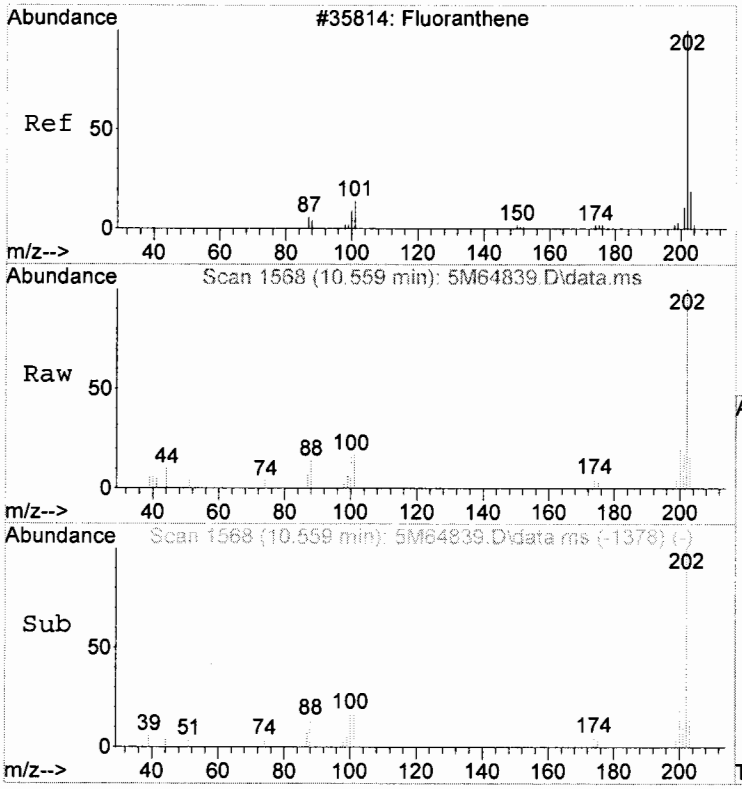


#84
Anthracene
Concen: 0.92 ng
RT: 9.303 min Scan# 1333
Delta R.T. -0.050 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:178 Resp: 4982

Ion	Ratio	Lower	Upper
178	100		
179	9.4	0.0	55.2
176	18.4	0.0	58.1

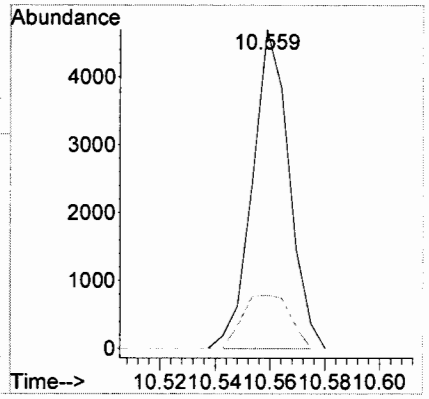


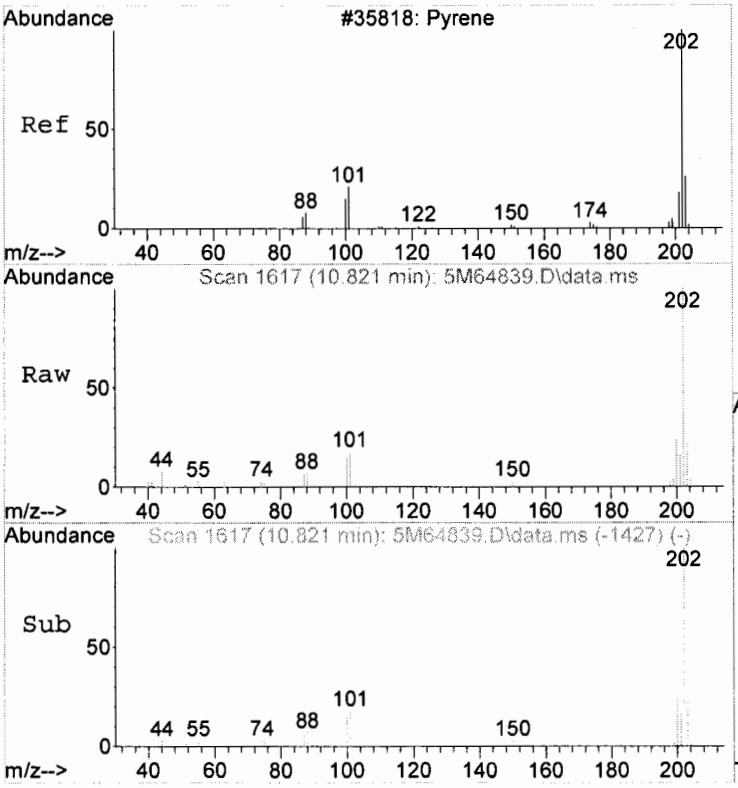


#87
Fluoranthene
Concen: 0.82 ng
RT: 10.559 min Scan# 1568
Delta R.T. -0.050 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:202 Resp: 4360

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	57.6

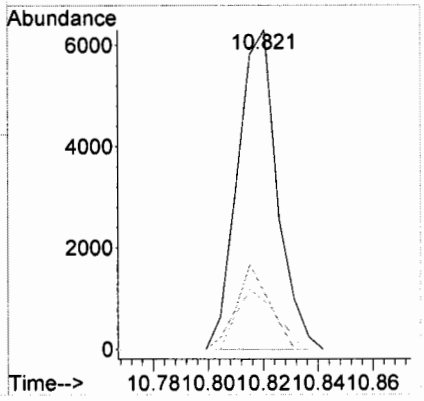


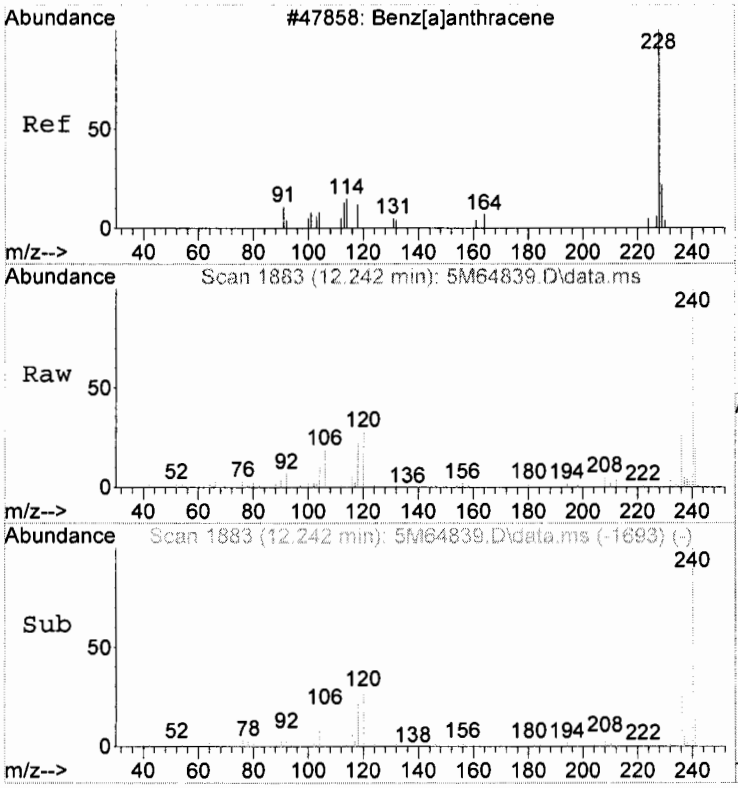


#89
Pyrene
Concen: 1.10 ng
RT: 10.821 min Scan# 1617
Delta R.T. -0.050 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:202 Resp: 6276

Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	62.2
100	15.1	0.0	57.8

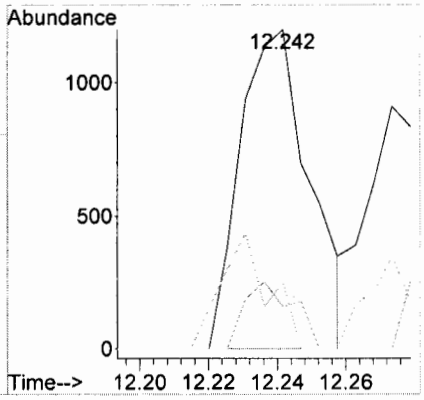


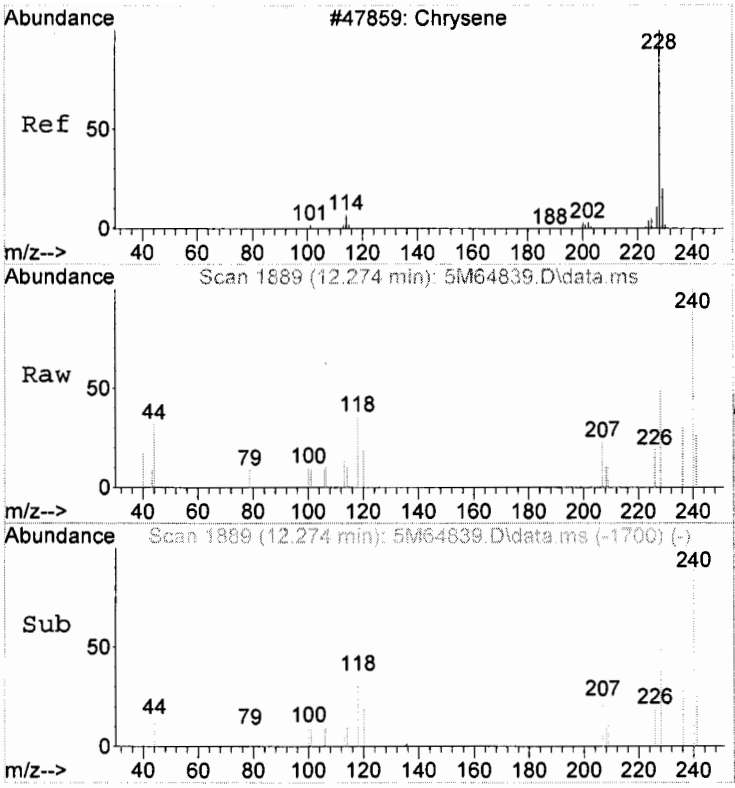


#97
Benzo[a]anthracene
Concen: 0.37 ng
RT: 12.242 min Scan# 1883
Delta R.T. -0.050 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:228 Resp: 1685

Ion	Ratio	Lower	Upper
228	100		
229	13.1	0.0	59.5
226	21.0	0.0	66.0

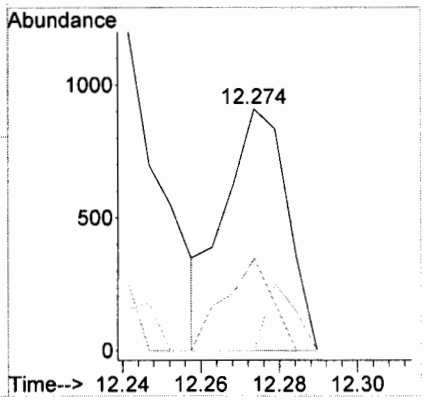




#98
Chrysene
Concen: 0.22 ng
RT: 12.274 min Scan# 1889
Delta R.T. -0.055 min
Lab File: 5M64839.D
Acq: 24 Feb 2011 11:05

Tgt Ion:228 Resp: 1000

Ion	Ratio	Lower	Upper
228	100		
226	38.1	9.5	49.5
229	0.0	0.0	60.2



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-015(T)
Client Id: ISSS3 large monolith (15th)
Data File: 5M64938.D
Analysis Date: 03/01/11 11:41
Date Rec/Extracted: 02/03/11-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**12**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.58 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.0 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**31**
83-32-9	**Acenaphthene**	**0.21**	**4.7**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.52 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.71 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.24 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.1**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.87 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

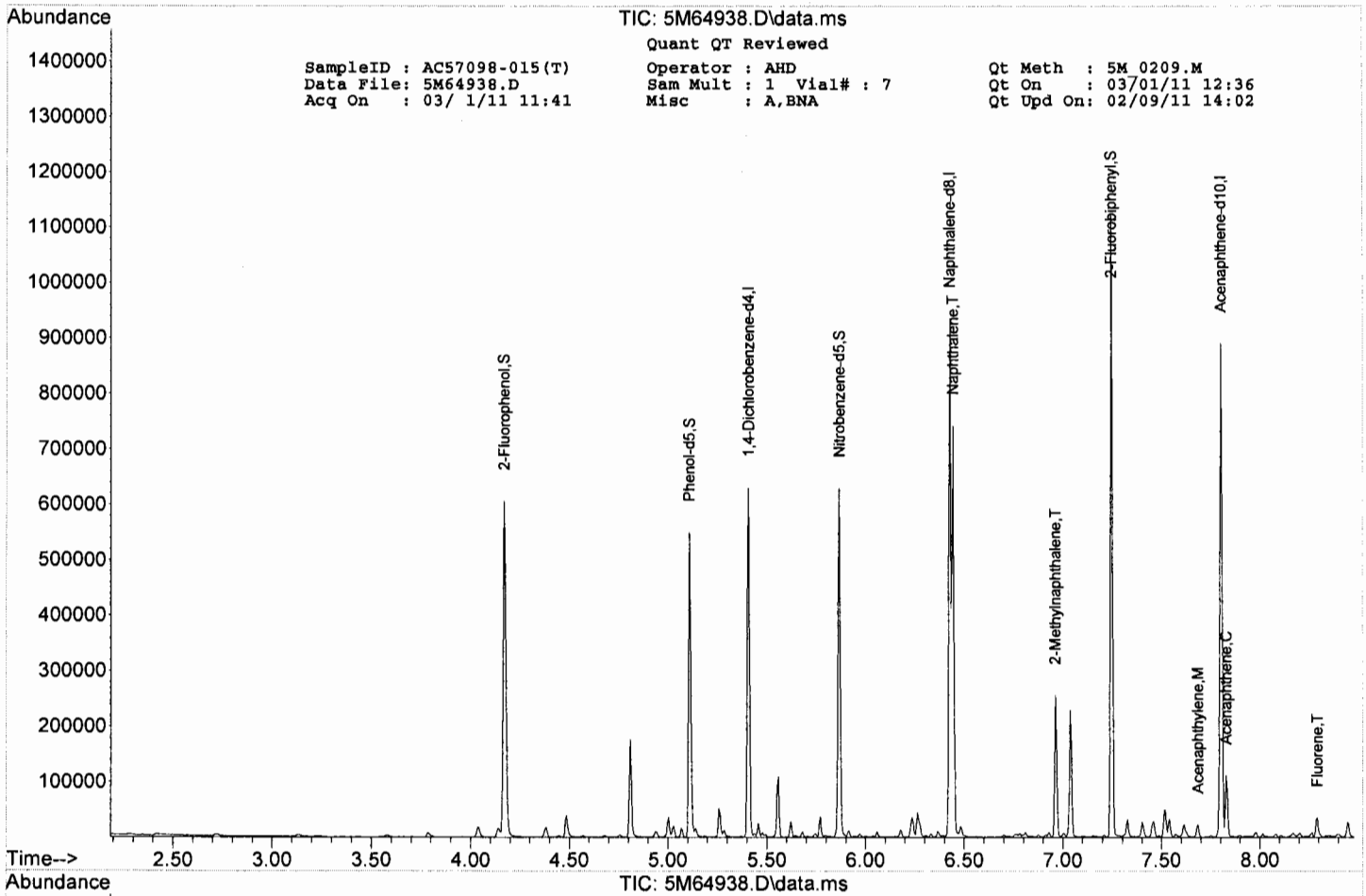
Quantitation Report (QT Reviewed)

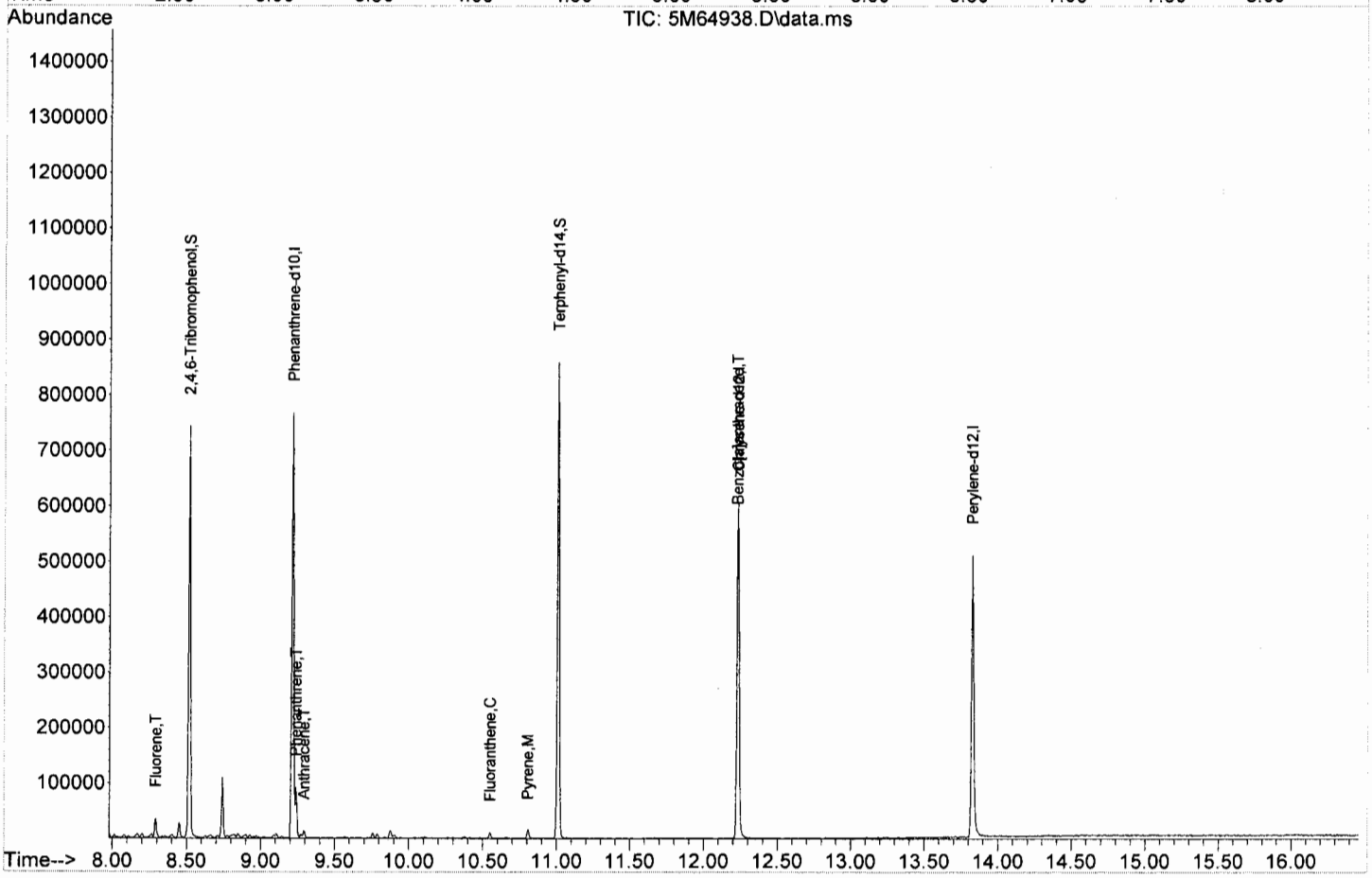
SampleID : AC57098-015(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64938.D Sam Mult : 1 Vial# : 7 Qt On : 03/01/11 12:36
Acq On : 03/ 1/11 11:41 Misc : A,BNA Qt Upd On: 02/09/11 14:02

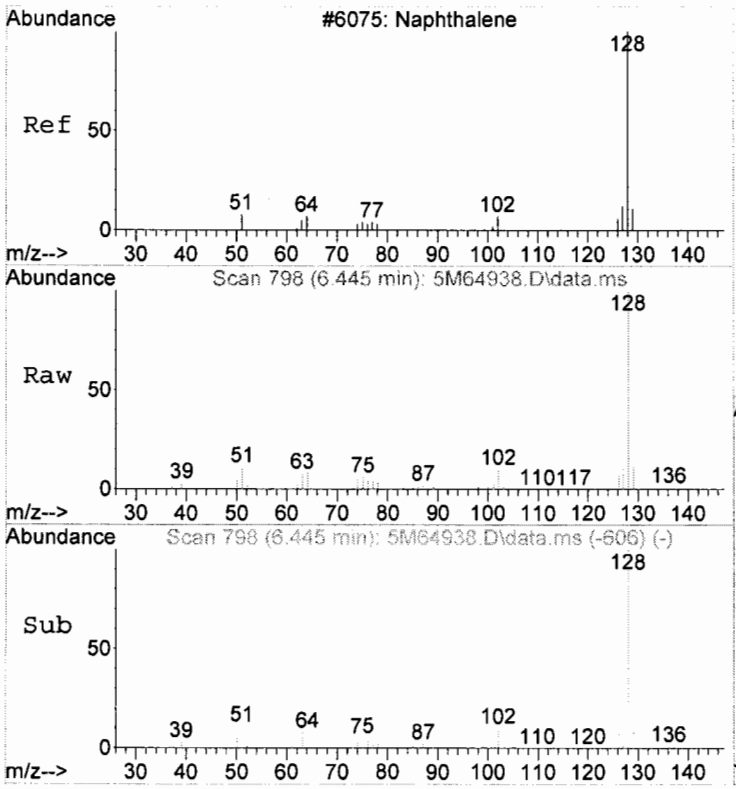
Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	71393	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	273185	40.00	ng	-0.04
47) Acenaphthene-d10	7.802	164	145927	40.00	ng	-0.05
74) Phenanthrene-d10	9.218	188	247966	40.00	ng	-0.06
88) Chrysene-d12	12.236	240	191145	40.00	ng	-0.07
100) Perylene-d12	13.828	264	160952	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	151333	64.75	ng	-0.06
Spiked Amount 100.000			Recovery = 64.75%			
15) Phenol-d5	5.109	99	144313	43.75	ng	-0.06
Spiked Amount 100.000			Recovery = 43.75%			
30) Nitrobenzene-d5	5.868	128	58342	49.87	ng	-0.04
Spiked Amount 50.000			Recovery = 99.74%			
52) 2-Fluorobiphenyl	7.246	172	236258	51.28	ng	-0.04
Spiked Amount 50.000			Recovery = 102.56%			
77) 2,4,6-Tribromophenol	8.518	330	37890	105.07	ng	-0.06
Spiked Amount 100.000			Recovery = 105.07%			
91) Terphenyl-d14	11.013	244	209263	55.39	ng	-0.06
Spiked Amount 50.000			Recovery = 110.78%			
Target Compounds						Qvalue
39) Naphthalene	6.445	128	227777	30.76	ng	99
44) 2-Methylnaphthalene	6.963	142	52068	11.74	ng	99
59) Acenaphthylene	7.684	152	3531	0.52	ng	87
62) Acenaphthene	7.829	153	19863	4.68	ng	98
69) Fluorene	8.293	166	8823	1.99	ng	99
83) Phenanthrene	9.239	178	27563	4.14	ng	99
84) Anthracene	9.292	178	4766	0.71	ng	95
87) Fluoranthene	10.548	202	3792	0.58	ng	79
89) Pyrene	10.804	202	5959	0.87	ng	98
97) Benzo[a]anthracene	12.231	228	1302	0.24	ng	88

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


Abundance
TIC: 5M64938.D\data.ms
Quant QT Reviewed
SampleID : AC57098-015(T)
Data File: 5M64938.D
Acq On : 03/ 1/11 11:41
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03/01/11 12:36
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene,T
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthylene,M
Acenaphthene,C
Acenaphthene-d10,I
Fluorene,T
Time-->

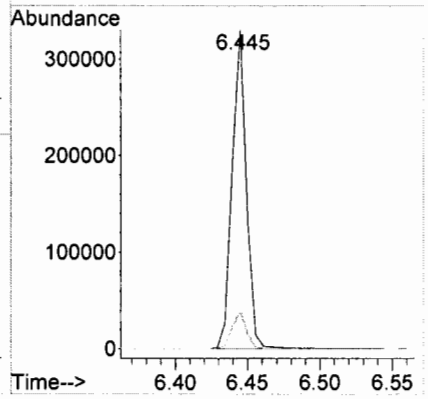

Abundance
TIC: 5M64938.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Perylene-d12,I
Time-->

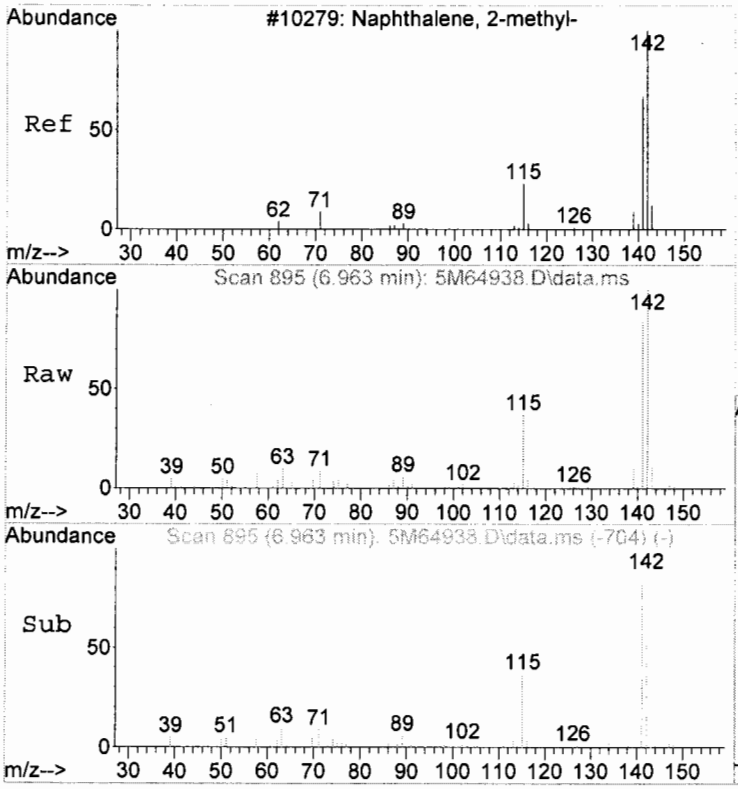


#39
Naphthalene
Concen: 30.76 ng
RT: 6.445 min Scan# 798
Delta R.T. -0.039 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:128 Resp: 227777

Ion	Ratio	Lower	Upper
128	100		
129	11.4	0.0	50.9
127	12.3	0.0	52.4

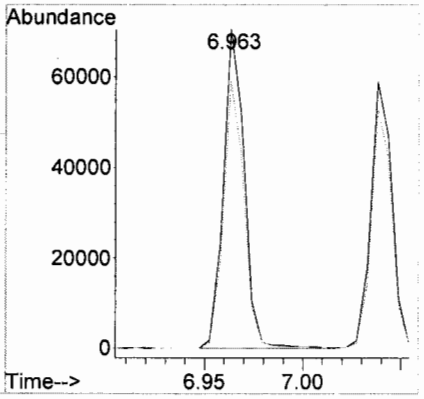


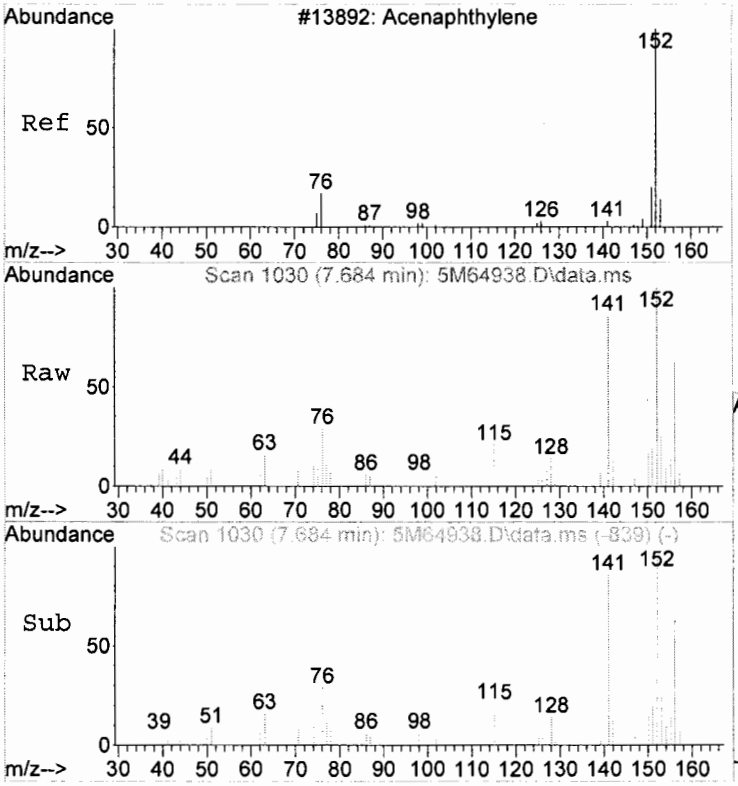


#44
2-Methylnaphthalene
Concen: 11.74 ng
RT: 6.963 min Scan# 895
Delta R.T. -0.045 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:142 Resp: 52068

Ion	Ratio	Lower	Upper
142	100		
141	83.8	44.6	124.6

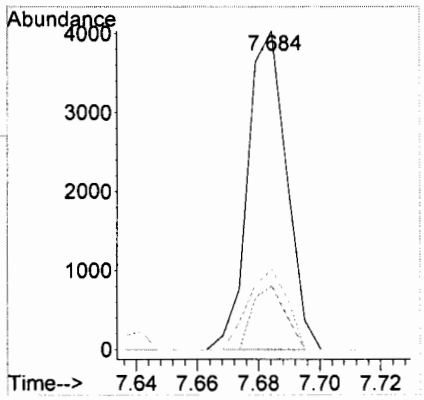


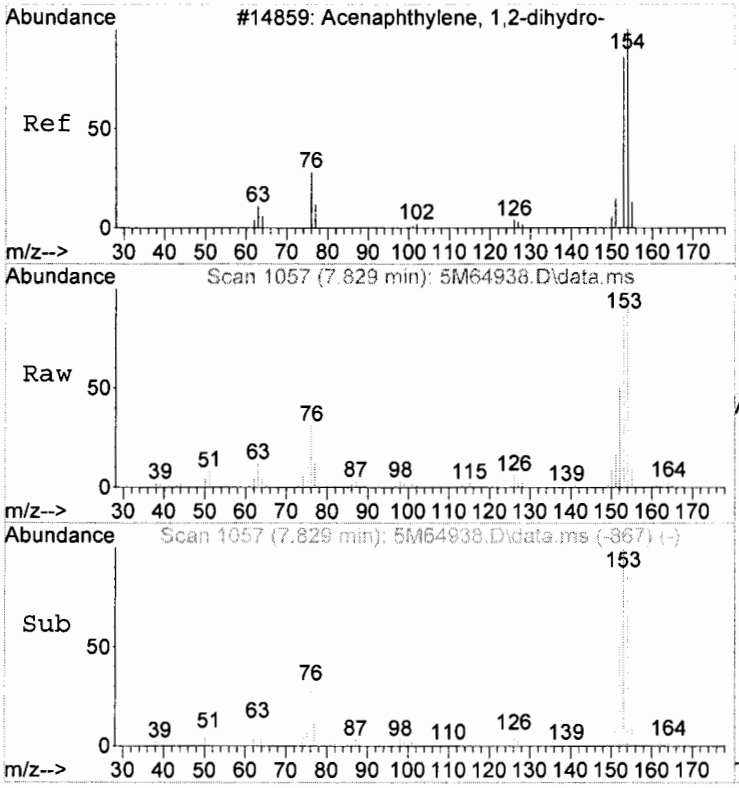


#59
Acenaphthylene
Concen: 0.52 ng
RT: 7.684 min Scan# 1030
Delta R.T. -0.045 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:152 Resp: 3531

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	59.2
153	25.2	0.0	53.2

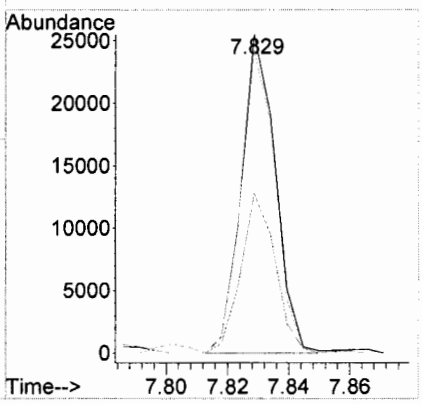


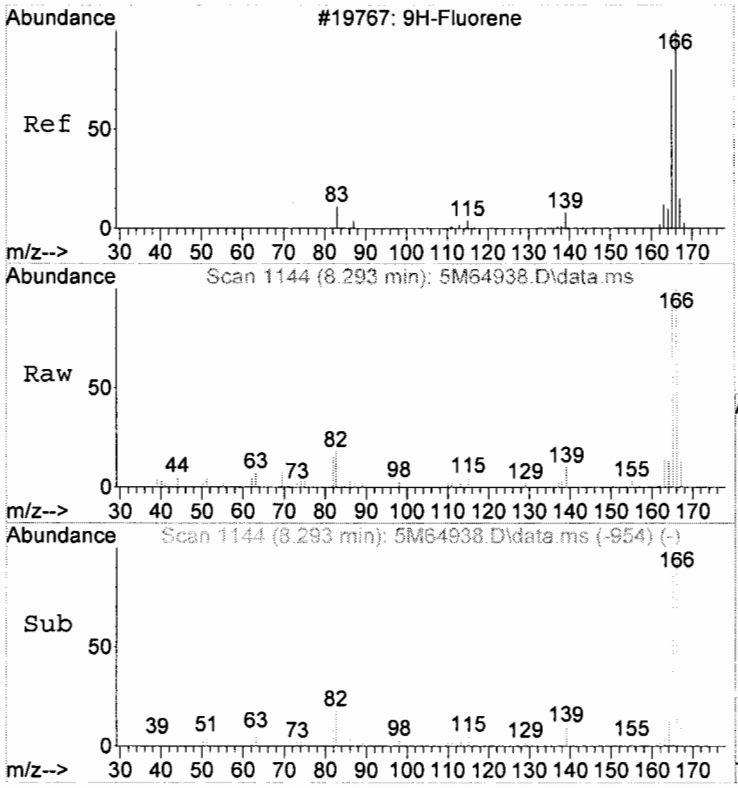


#62
Acenaphthene
Concen: 4.68 ng
RT: 7.829 min Scan# 1057
Delta R.T. -0.050 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:153 Resp: 19863

Ion	Ratio	Lower	Upper
153	100		
152	50.3	10.0	90.0
154	95.0	57.5	137.5

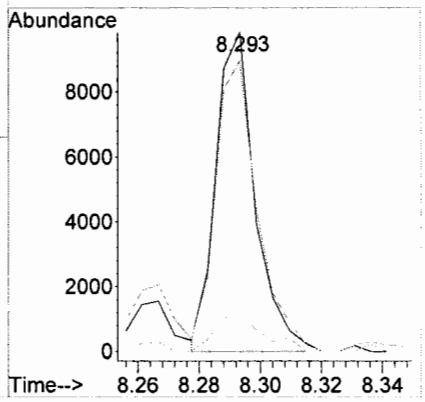


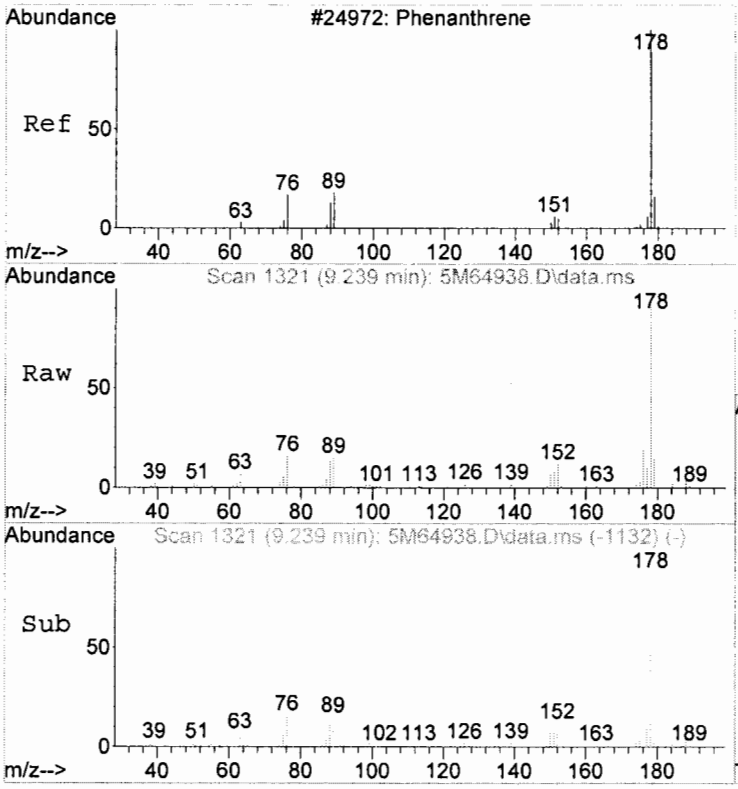


#69
Fluorene
Concen: 1.99 ng
RT: 8.293 min Scan# 1144
Delta R.T. -0.050 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:166 Resp: 8823

Ion	Ratio	Lower	Upper
166	100		
165	91.1	0.0	292.6
167	13.5	0.0	213.2

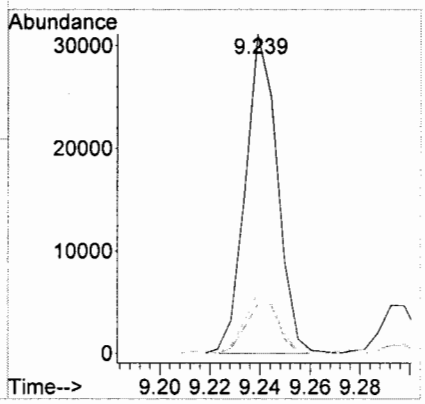


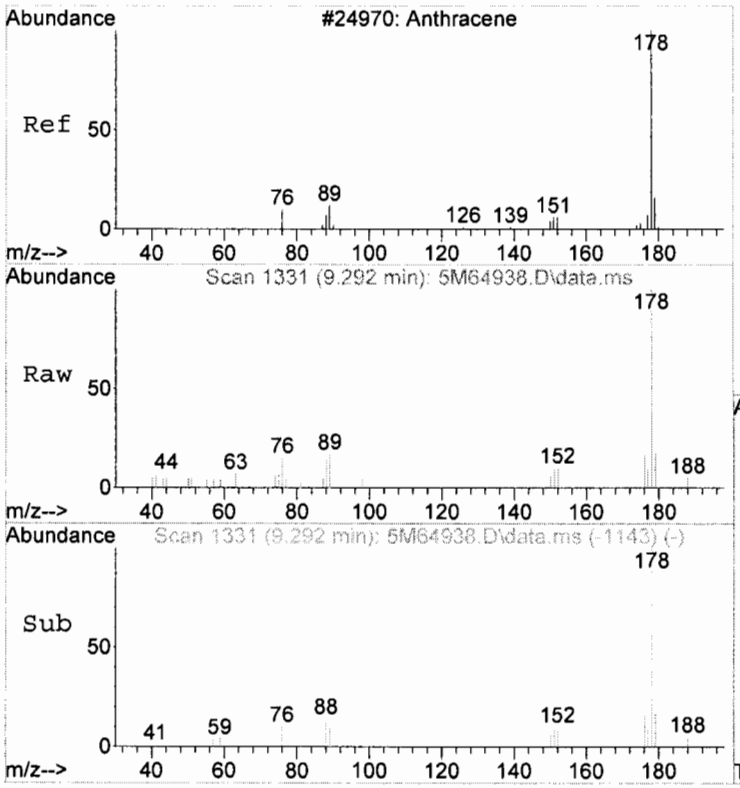


#83
Phenanthrene
Concen: 4.14 ng
RT: 9.239 min Scan# 1321
Delta R.T. -0.055 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:178 Resp: 27563

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	55.5
176	19.0	0.0	59.3

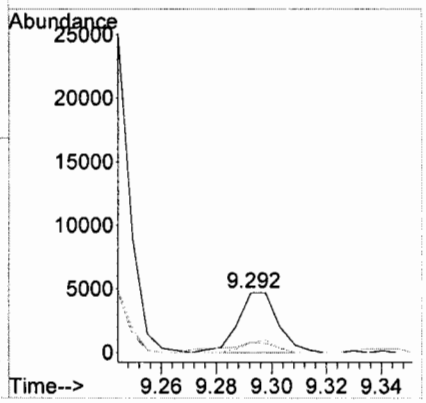


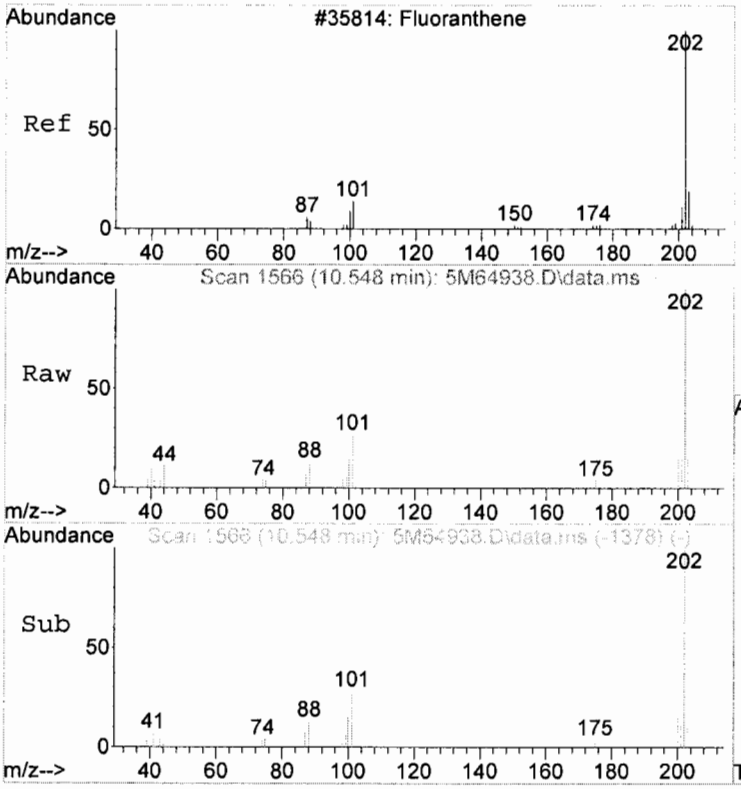


#84
Anthracene
Concen: 0.71 ng
RT: 9.292 min Scan# 1331
Delta R.T. -0.061 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:178 Resp: 4766

Ion	Ratio	Lower	Upper
178	100		
179	17.1	0.0	55.2
176	15.9	0.0	58.1

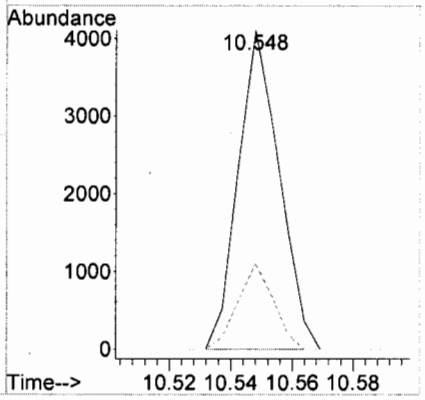


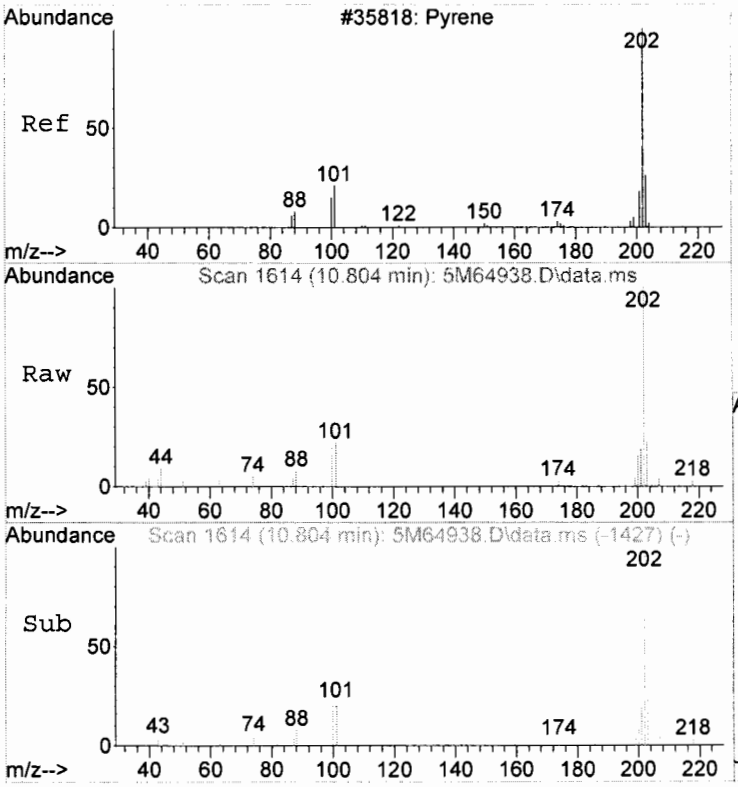


#87
Fluoranthene
Concen: 0.58 ng
RT: 10.548 min Scan# 1566
Delta R.T. -0.061 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:202 Resp: 3792

Ion	Ratio	Lower	Upper
202	100		
101	26.9	0.0	57.6

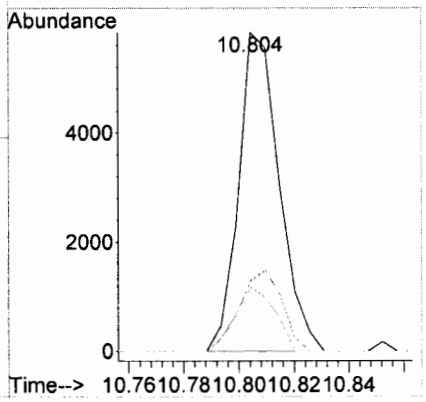


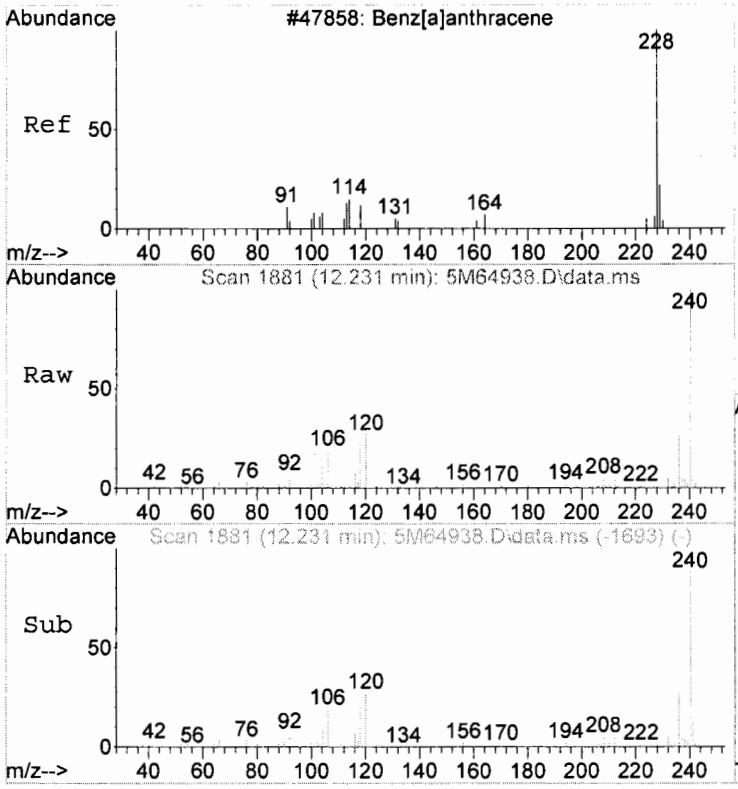


#89
Pyrene
Concen: 0.87 ng
RT: 10.804 min Scan# 1614
Delta R.T. -0.066 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:202 Resp: 5959

Ion	Ratio	Lower	Upper
202	100		
101	22.2	0.0	62.2
100	20.0	0.0	57.8

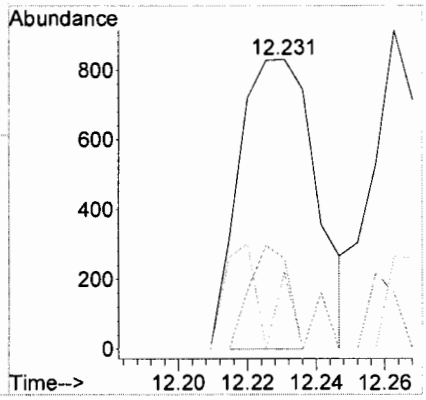




#97
Benzo[a]anthracene
Concen: 0.24 ng
RT: 12.231 min Scan# 1881
Delta R.T. -0.061 min
Lab File: 5M64938.D
Acq: 1 Mar 2011 11:41

Tgt Ion:228 Resp: 1302

Ion	Ratio	Lower	Upper
228	100		
229	31.2	0.0	59.5
226	26.6	0.0	66.0



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57098-020(T)
Client Id: ISSS3 large monolith (20th)
Data File: 10M19719.D
Analysis Date: 03/04/11 14:02
Date Rec/Extracted: 02/03/11-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	**218-01-9**	**Chrysene**	**0.16**	**2.0**	**0.34J**
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**2.0**	**13**	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	**206-44-0**	**Fluoranthene**	**0.14**	**2.0**	**0.91J**
99-09-2	3-Nitroaniline	1.9	2.0	U	**86-73-7**	**Fluorene**	**0.20**	**2.0**	**2.8**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	**91-20-3**	**Naphthalene**	**0.16**	**0.50**	**29**
83-32-9	**Acenaphthene**	**0.21**	**2.0**	**5.2**	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	**Acenaphthylene**	**0.14**	**2.0**	**0.73J**	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	**Anthracene**	**0.34**	**2.0**	**0.87J**	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**2.0**	**0.44J**	**85-01-8**	**Phenanthrene**	**0.15**	**2.0**	**5.0**
50-32-8	**Benzo[a]pyrene**	**0.17**	**2.0**	**0.28J**	108-95-2	Phenol	0.65	2.0	U
205-99-2	**Benzo[b]fluoranthene**	**0.097**	**2.0**	**0.24J**	**129-00-0**	**Pyrene**	**0.13**	**2.0**	**1.3J**
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

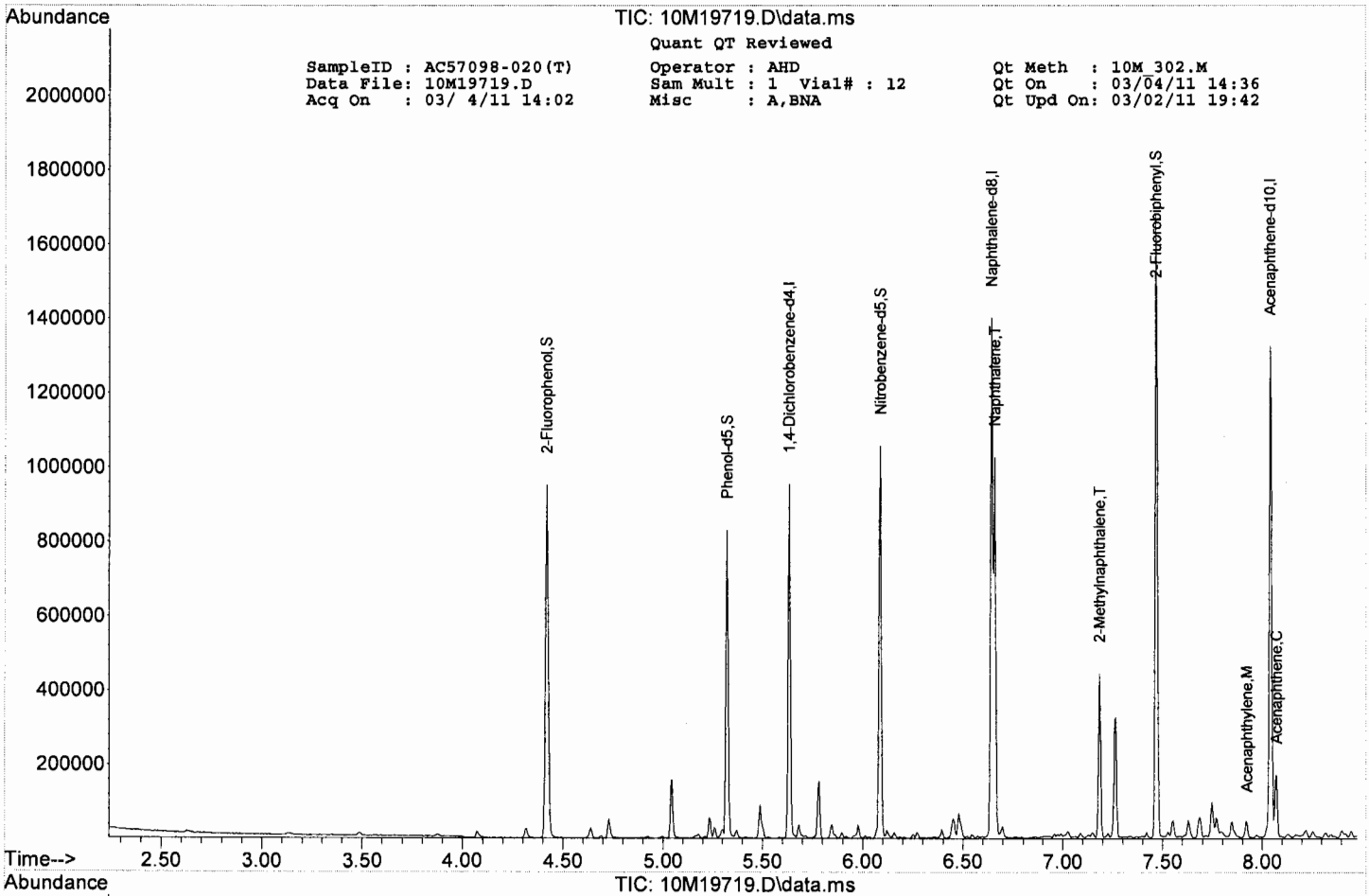
SampleID : AC57098-020(T) Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19719.D Sam Mult : 1 Vial# : 12 Qt On : 03/04/11 14:36
Acq On : 03/ 4/11 14:02 Misc : A,BNA Qt Upd On: 03/02/11 19:42

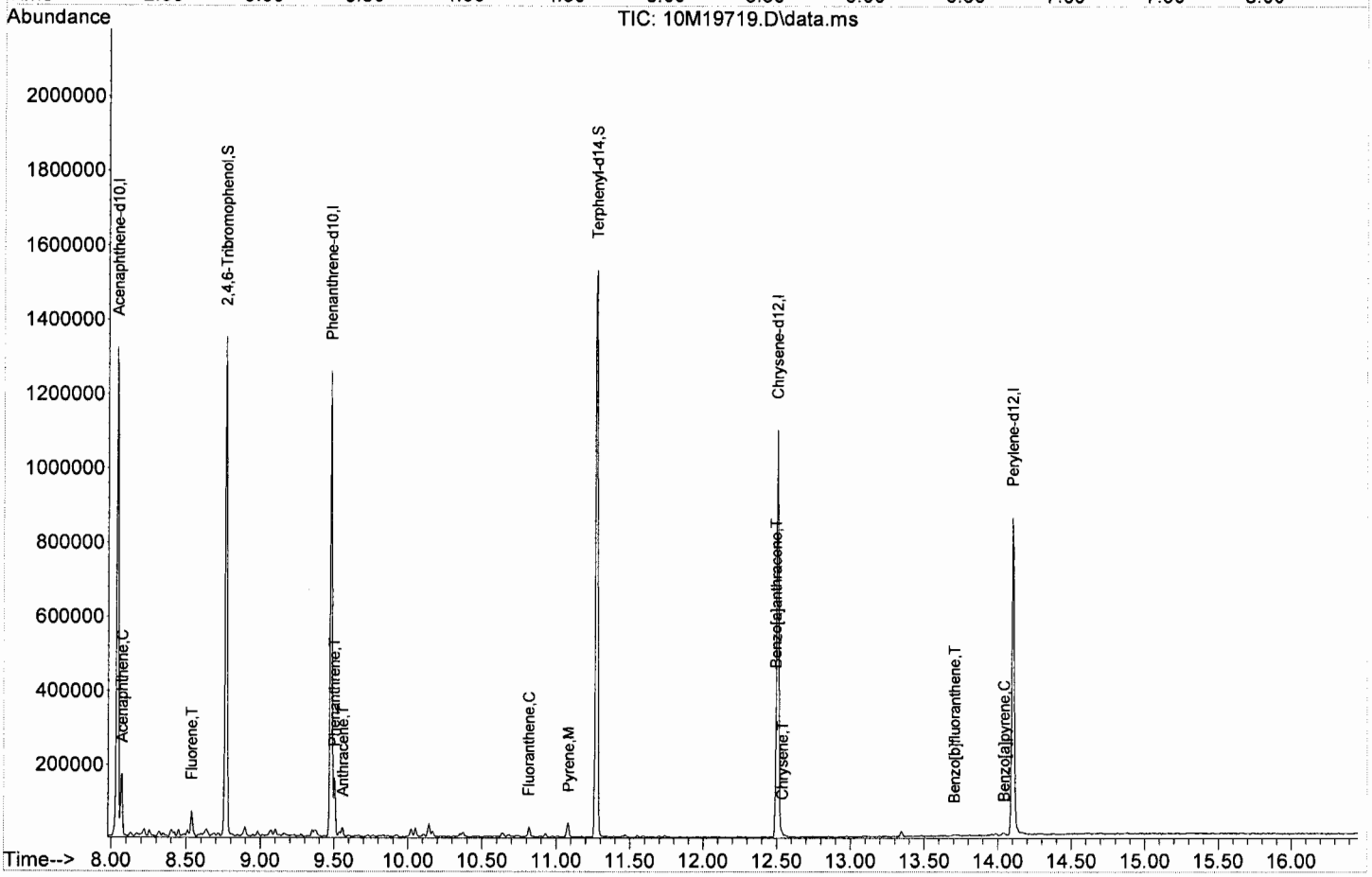
Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

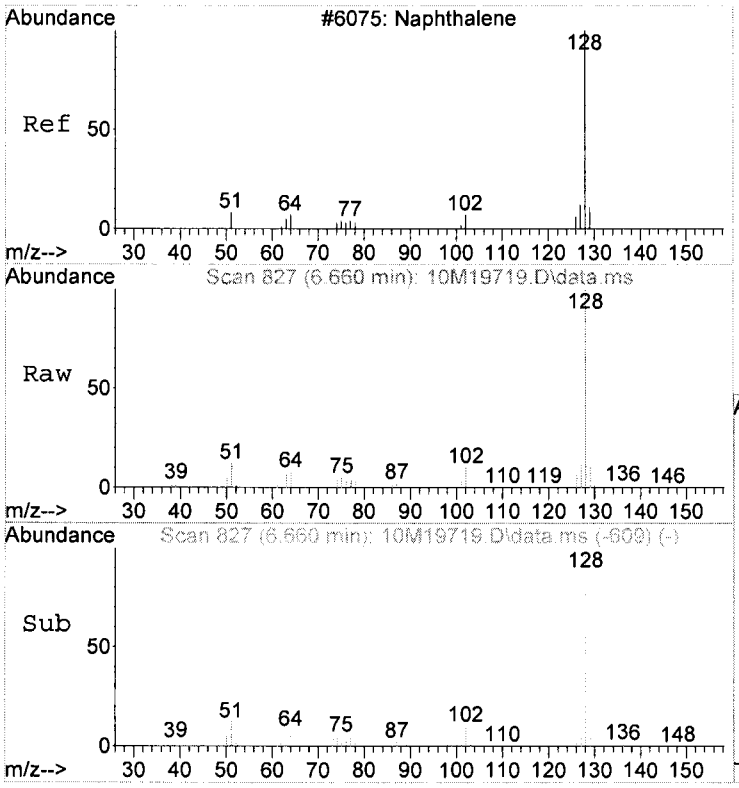
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	111697	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	455021	40.00	ng	0.00
51) Acenaphthene-d10	8.040	164	260094	40.00	ng	-0.01
85) Phenanthrene-d10	9.479	188	430938	40.00	ng	-0.01
102) Chrysene-d12	12.506	240	384869	40.00	ng	-0.02
115) Perylene-d12	14.100	264	314584	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	238996	63.69	ng	0.00
Spiked Amount 100.000			Recovery = 63.69%			
16) Phenol-d5	5.323	99	215673	45.06	ng	0.00
Spiked Amount 100.000			Recovery = 45.06%			
32) Nitrobenzene-d5	6.088	128	110460	57.68	ng	0.00
Spiked Amount 50.000			Recovery = 115.36%			
56) 2-Fluorobiphenyl	7.468	172	413860	52.38	ng	-0.01
Spiked Amount 50.000			Recovery = 104.76%			
88) 2,4,6-Tribromophenol	8.768	330	93824	121.17	ng	-0.01
Spiked Amount 100.000			Recovery = 121.17%			
105) Terphenyl-d14	11.276	244	463532	59.58	ng	0.00
Spiked Amount 50.000			Recovery = 119.16%			
Target Compounds						Qvalue
41) Naphthalene	6.660	128	330212	28.86	ng	100
47) 2-Methylnaphthalene	7.184	142	95039	12.90	ng	98
66) Acenaphthylene	7.923	152	8240	0.73	ng	92
69) Acenaphthene	8.072	153	36015	5.21	ng	95
79) Fluorene	8.538	166	21922	2.79	ng	95
95) Phenanthrene	9.500	178	56333	4.97	ng	98
96) Anthracene	9.559	178	10127	0.87	ng	96
101) Fluoranthene	10.816	202	10828	0.91	ng	87
103) Pyrene	11.084	202	16985	1.32	ng	93
112) Benzo[a]anthracene	12.496	228	4599	0.44	ng	86
113) Chrysene	12.538	228	3446	0.34	ng	89
117) Benzo[b]fluoranthene	13.704	252	1977m	0.24	ng	
119) Benzo[a]pyrene	14.041	252	2260	0.28	ng	84

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

lce


Abundance
TIC: 10M19719.D\data.ms
Quant QT Reviewed
SampleID : AC57098-020(T)
Data File: 10M19719.D
Acq On : 03/ 4/11 14:02
Operator : AHD
Sam Mult : 1 Vial# : 12
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/04/11 14:36
Qt Upd On: 03/02/11 19:42
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Time-->

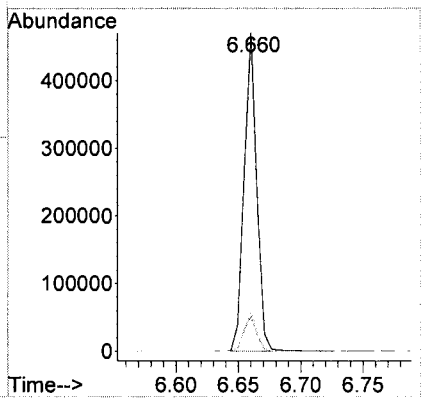

Abundance
TIC: 10M19719.D\data.ms
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,T
Chrysene,T
Benzo[b]fluoranthene,T
Perylene-d12,I
Benzo[a]pyrene,C
Time-->

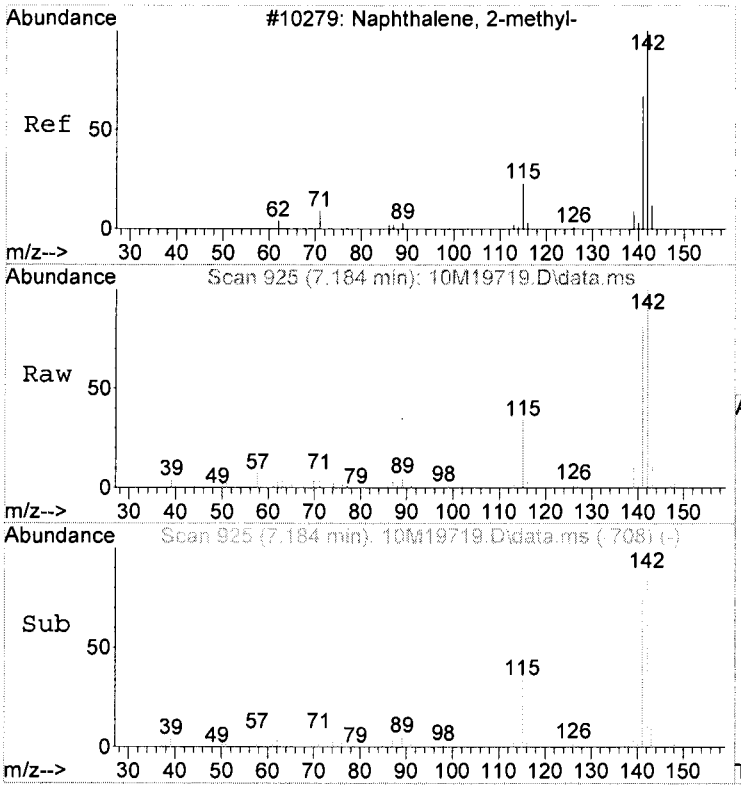


#41
Naphthalene
Concen: 28.86 ng
RT: 6.660 min Scan# 827
Delta R.T. -0.005 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:128 Resp: 330212

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	50.9
127	12.3	0.0	52.4

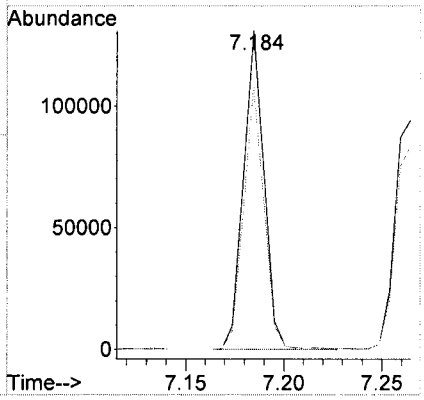


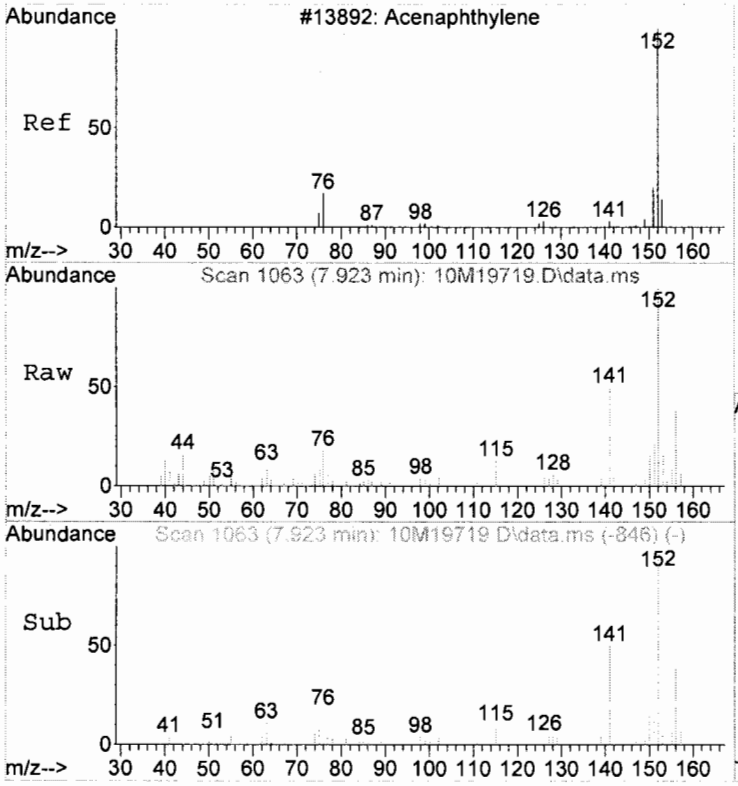


#47
2-Methylnaphthalene
Concen: 12.90 ng
RT: 7.184 min Scan# 925
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:142 Resp: 95039

Ion	Ratio	Lower	Upper
142	100		
141	82.5	44.6	124.6

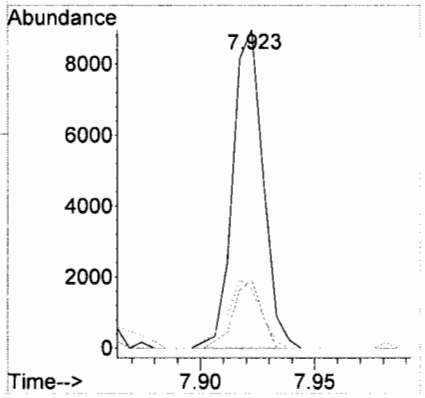


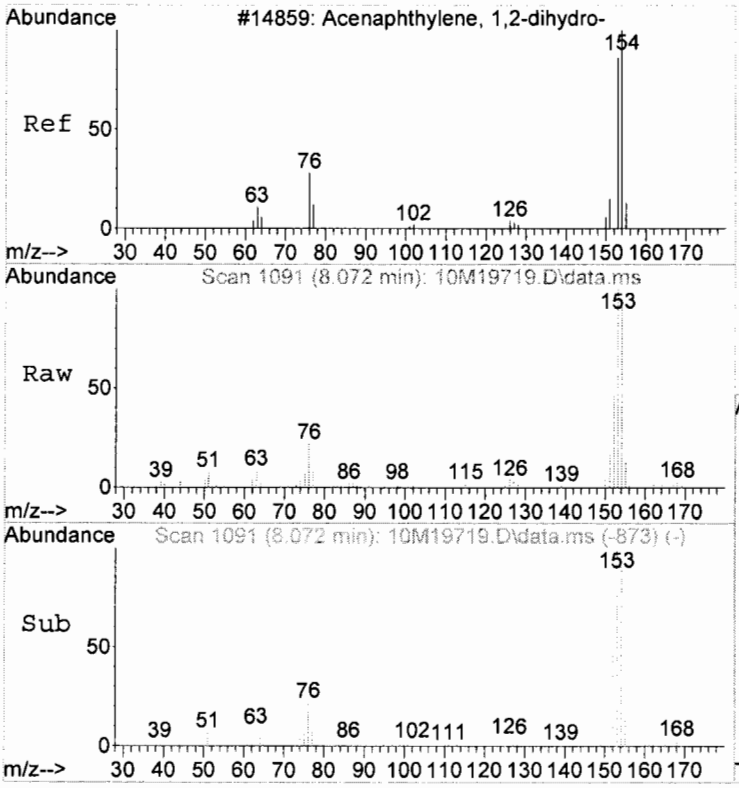


#66
Acenaphthylene
Concen: 0.73 ng
RT: 7.923 min Scan# 1063
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:152 Resp: 8240

Ion	Ratio	Lower	Upper
152	100		
151	21.6	0.0	59.2
153	18.5	0.0	53.2

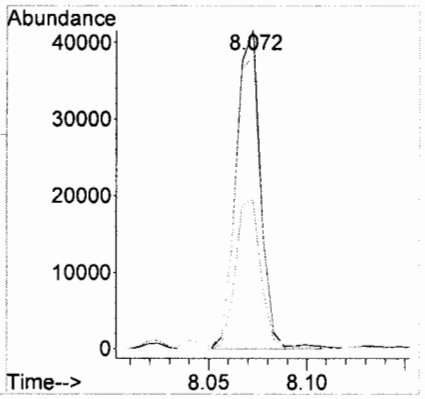


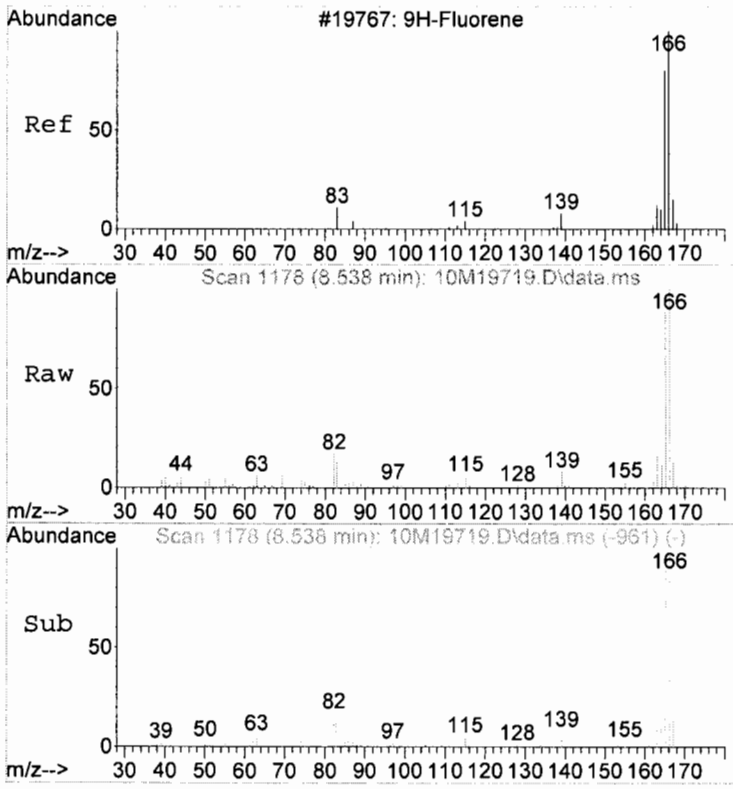


#69
Acenaphthene
Concen: 5.21 ng
RT: 8.072 min Scan# 1091
Delta R.T. -0.005 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:153 Resp: 36015

Ion	Ratio	Lower	Upper
153	100		
152	47.0	10.0	90.0
154	91.7	57.5	137.5

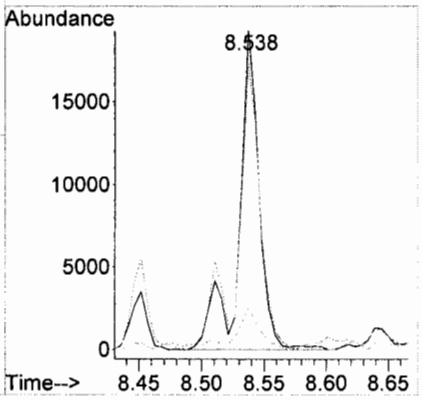


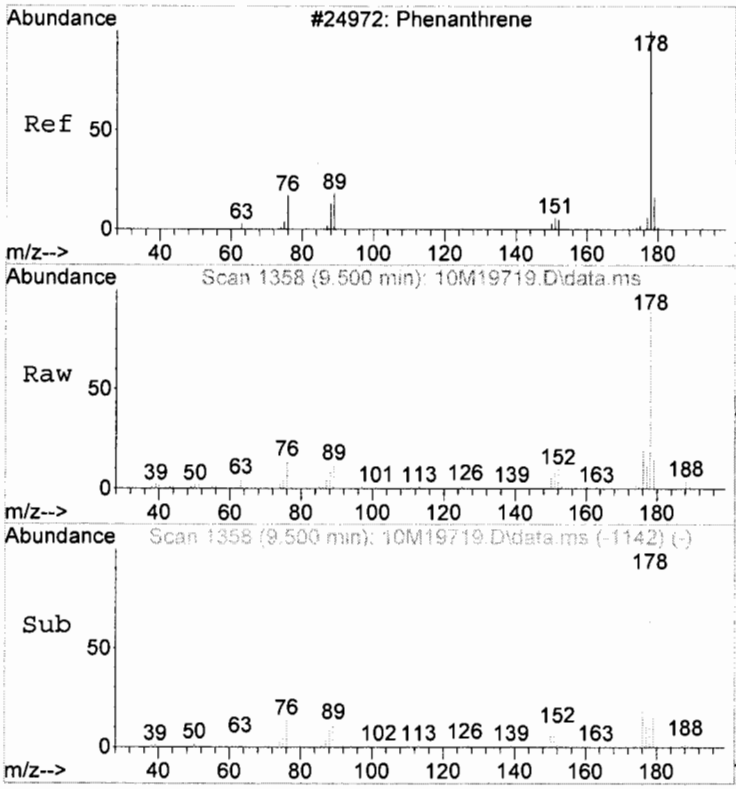


#79
Fluorene
Concen: 2.79 ng
RT: 8.538 min Scan# 1178
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:166 Resp: 21922

Ion	Ratio	Lower	Upper
166	100		
165	87.6	0.0	292.6
167	11.4	0.0	213.2

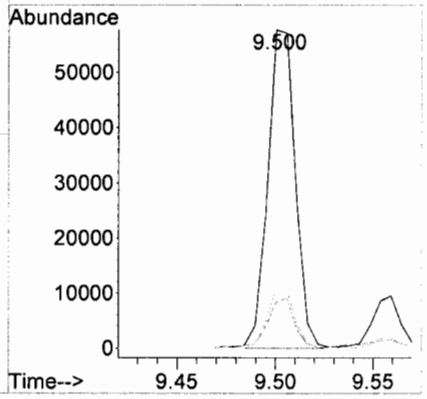


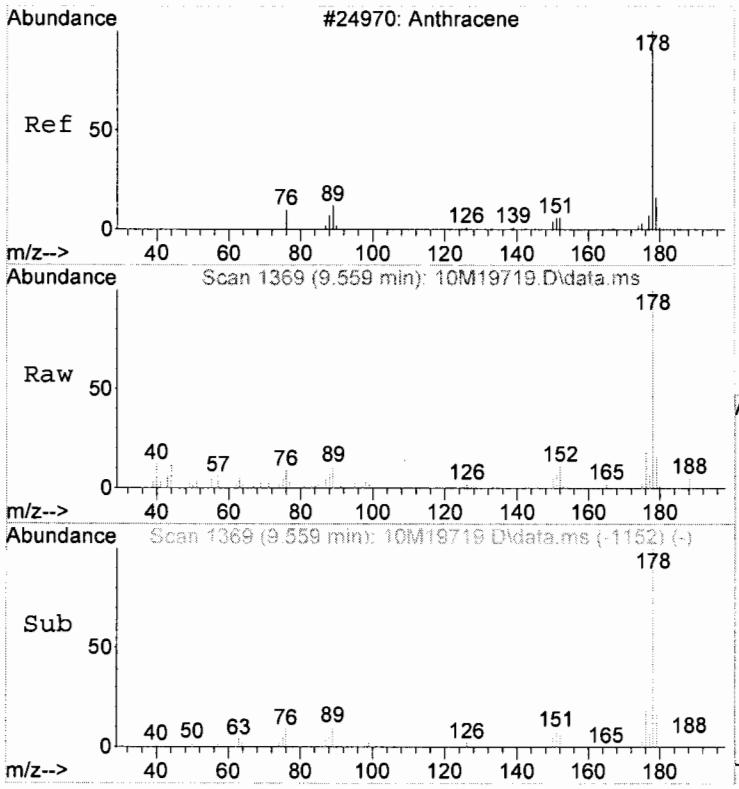


#95
Phenanthrene
Concen: 4.97 ng
RT: 9.500 min Scan# 1358
Delta R.T. -0.016 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:178 Resp: 56333

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	55.5
176	18.7	0.0	59.3

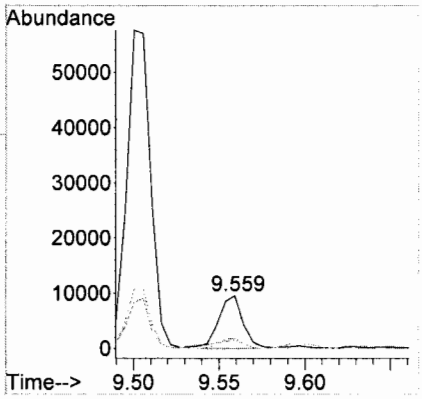


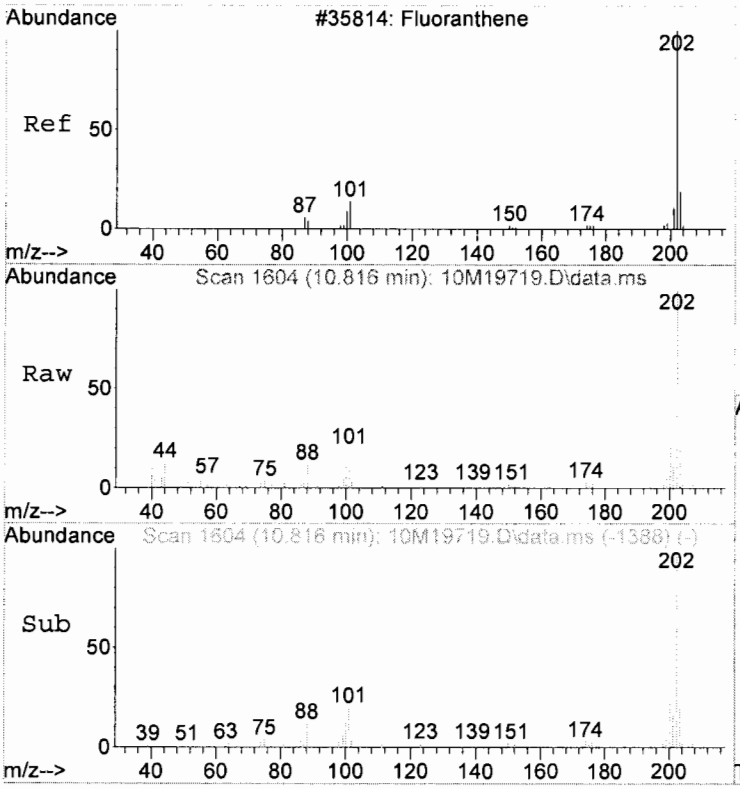


#96
Anthracene
Concen: 0.87 ng
RT: 9.559 min Scan# 1369
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:178 Resp: 10127

Ion	Ratio	Lower	Upper
178	100		
179	12.9	0.0	55.2
176	19.3	0.0	58.1

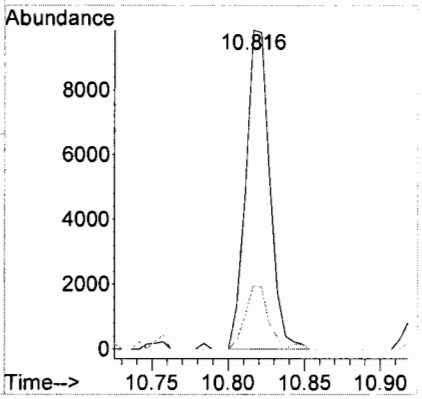


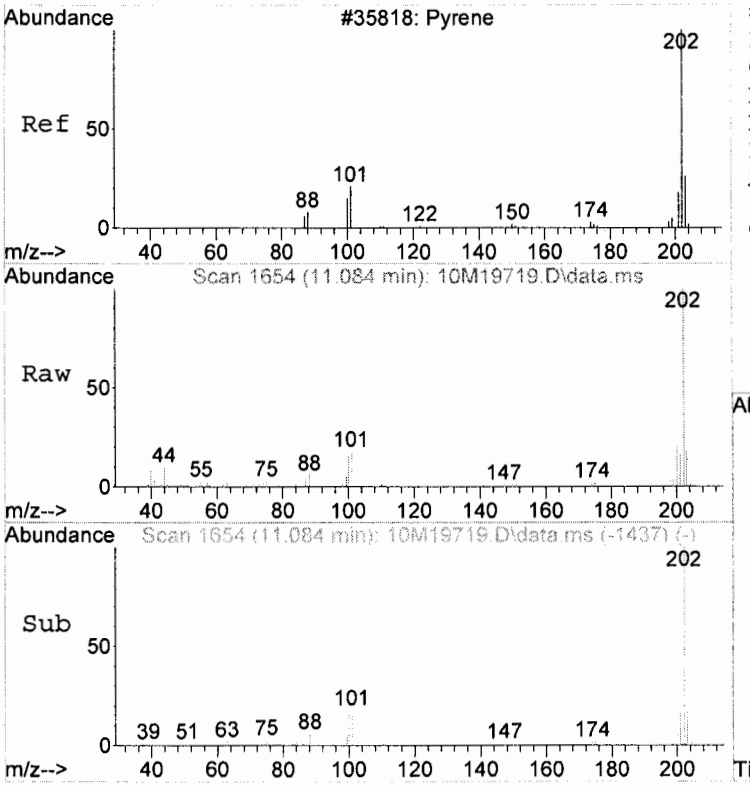


#101
Fluoranthene
Concen: 0.91 ng
RT: 10.816 min Scan# 1604
Delta R.T. -0.016 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:202 Resp: 10828

Ion	Ratio	Lower	Upper
202	100		
101	23.2	0.0	57.6

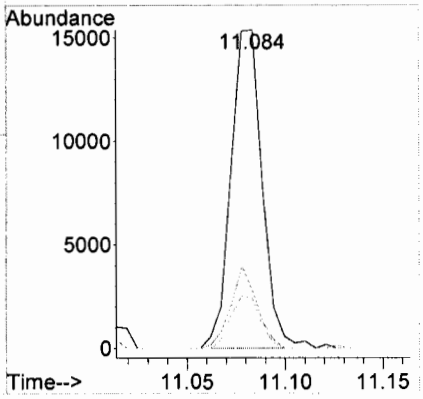


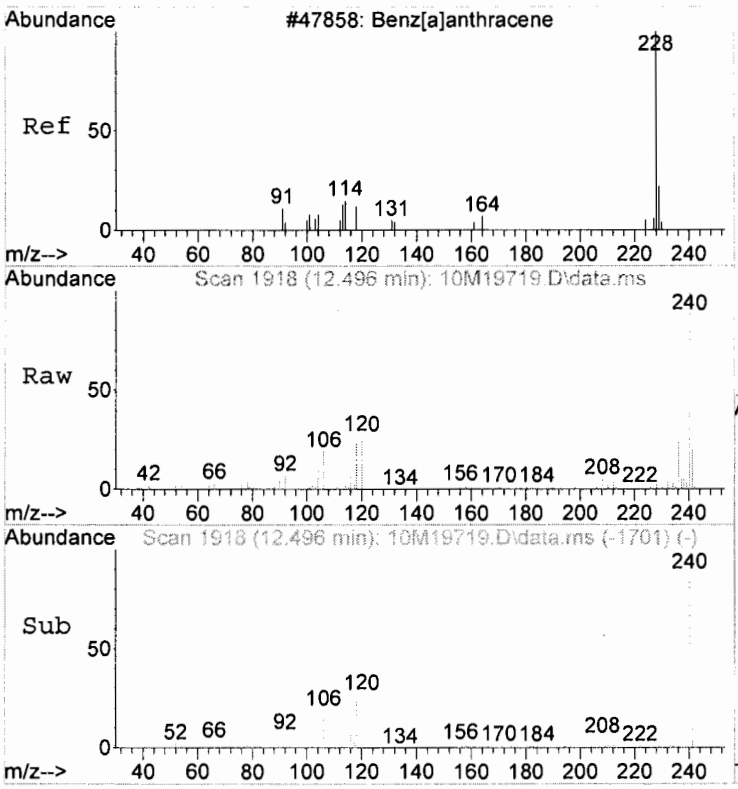


#103
Pyrene
Concen: 1.32 ng
RT: 11.084 min Scan# 1654
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:202 Resp: 16985

Ion	Ratio	Lower	Upper
202	100		
101	17.8	0.0	62.2
100	15.5	0.0	57.8

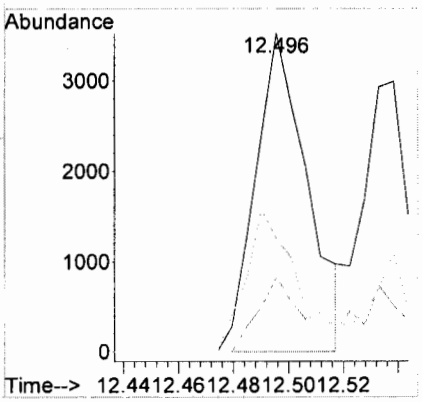


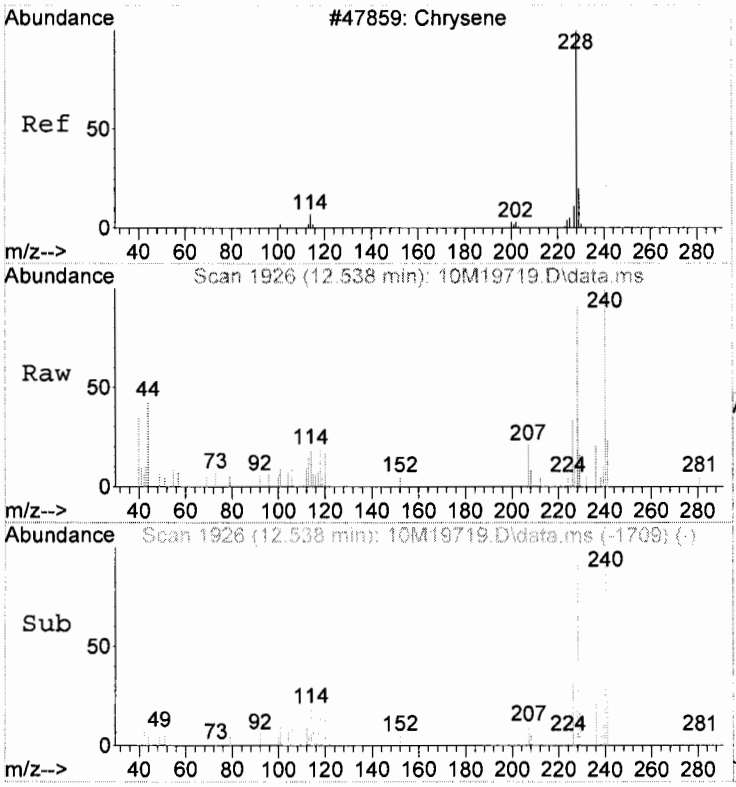


#112
Benzo[a]anthracene
Concen: 0.44 ng
RT: 12.496 min Scan# 1918
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:228 Resp: 4599

Ion	Ratio	Lower	Upper
228	100		
229	23.5	0.0	59.5
226	35.4	0.0	66.0

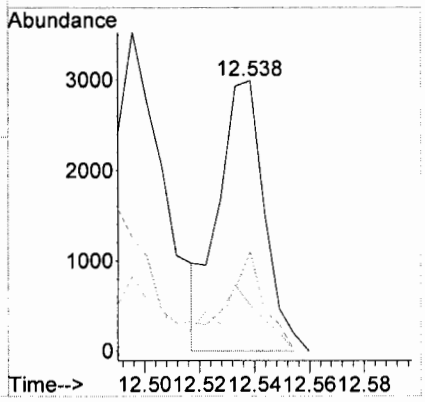


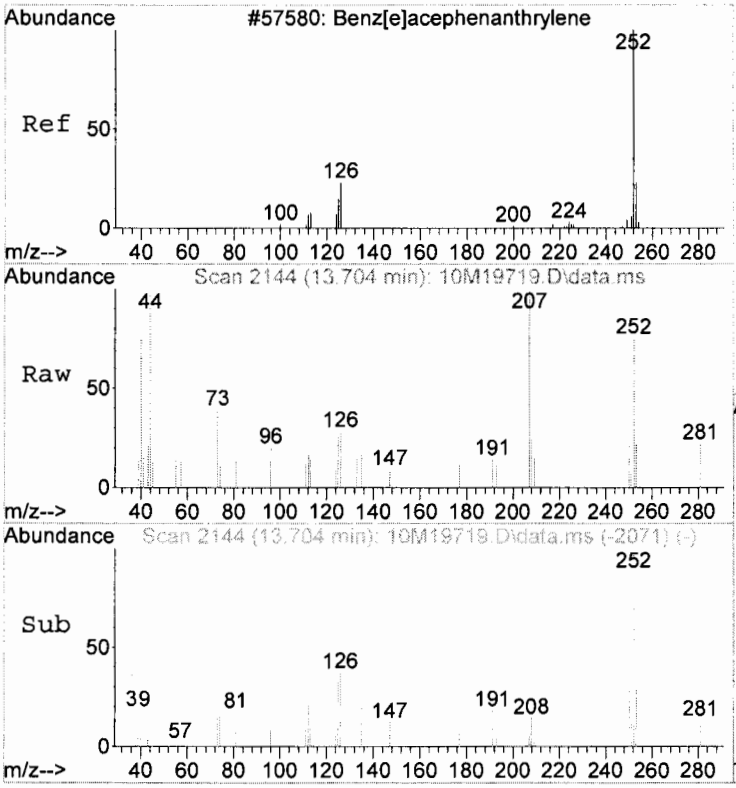


#113
Chrysene
Concen: 0.34 ng
RT: 12.538 min Scan# 1926
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:228 Resp: 3446

Ion	Ratio	Lower	Upper
228	100		
226	36.7	9.5	49.5
229	17.0	0.0	60.2

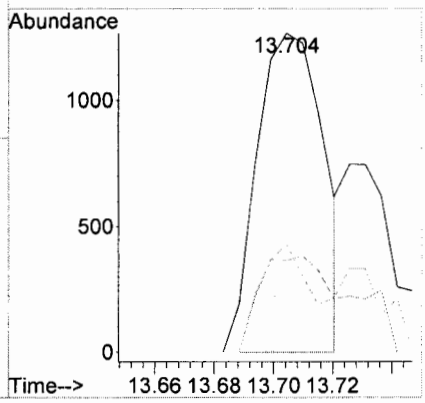


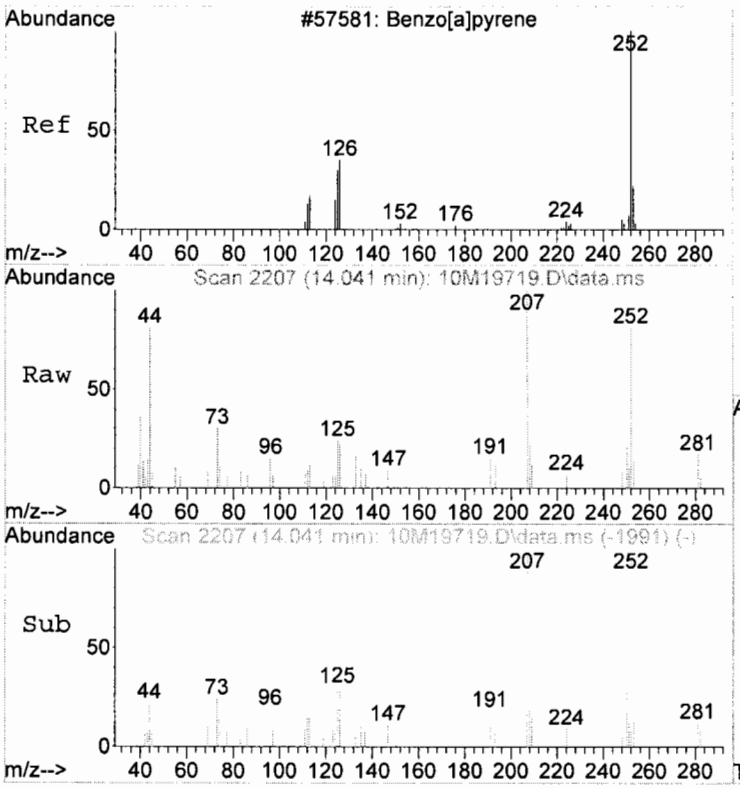


#117
Benzo[b]fluoranthene
Concen: 0.24 ng m
RT: 13.704 min Scan# 2144
Delta R.T. -0.011 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:252 Resp: 1977

Ion	Ratio	Lower	Upper
252	100		
253	28.8	0.0	62.3
125	34.1	0.0	58.4

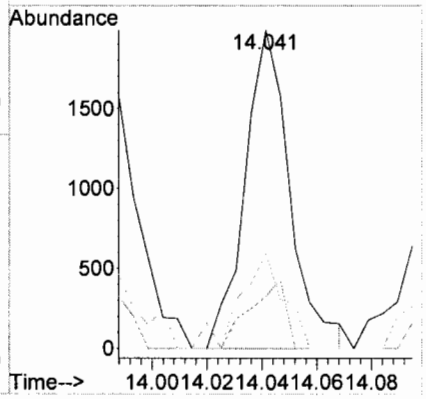




#119
Benzo[a]pyrene
Concen: 0.28 ng
RT: 14.041 min Scan# 2207
Delta R.T. -0.016 min
Lab File: 10M19719.D
Acq: 4 Mar 2011 14:02

Tgt Ion:252 Resp: 2260

Ion	Ratio	Lower	Upper
252	100		
253	16.3	0.0	62.4
125	29.8	0.0	60.9



SPLP
GC/MS Semi-Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0143

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64608.	CAL BNA@50PPM	02/09/11 13:17	2	5M64606.	CAL BNA@2PPM	02/09/11 12:30
3	5M64605.	CAL BNA@10PPM	02/09/11 12:06	4	5M64604.	CAL BNA@20PPM	02/09/11 11:42
5	5M64603.	CAL BNA@80PPM	02/09/11 11:18	6	5M64602.	CAL BNA@120PPM	02/09/11 10:54
7	5M64601.	CAL BNA@160PPM	02/09/11 10:30	8	5M64600.	CAL BNA@196PPM	02/09/11 10:07
9	5M64607.	CAL BNA@0.5PPM	02/09/11 12:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.8936	1.5424	1.8552	1.8169	1.8330	1.8469	1.9178	1.8815	-----	1.82	2.45	1.00	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1493	0.9807	1.0944	1.1011	1.0802	1.1082	1.1126	1.0872	-----	1.09	2.40	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.4086	1.0465	1.2645	1.3413	1.3373	1.3701	1.3566	1.3506	-----	1.31	4.23	1.00	1.00	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0924	1.1239	1.2164	1.2244	0.9943	0.7335	0.5323	0.4266	-----	0.918	5.06	0.885	0.999	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.4185	1.6167	1.8699	2.1384	2.2090	2.1415	2.0334	1.9866	-----	2.05	5.16	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.5114	0.4747	0.4860	0.4973	0.4795	0.4898	0.4730	0.4582	-----	0.484	5.20	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5869	1.5618	1.5089	1.5495	1.4824	1.5345	1.4585	1.4461	-----	1.52	5.23	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.0501	1.7712	1.9974	1.9515	1.8312	1.8068	1.7333	1.6447	-----	1.85	5.16	0.995	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.3983	1.9159	2.2247	2.2224	2.1623	2.1506	2.0779	2.0033	-----	2.14	5.18	0.997	1.00	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5271	1.3268	1.4600	1.4568	1.3908	1.4443	1.3996	1.3983	-----	1.43	5.27	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.2105	2.1885	2.1838	2.1761	1.9824	1.8995	1.8069	1.6895	-----	2.02	5.33	0.991	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5912	1.4157	1.5184	1.5305	1.4423	1.4645	1.4045	1.3606	-----	1.47	5.39	0.998	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6330	1.6109	1.6084	1.5454	1.4890	1.4412	1.4247	1.3584	-----	1.51	5.46	0.997	1.00	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5189	1.4468	1.5381	1.4673	1.3941	1.3743	1.2918	1.2015	-----	1.40	5.59	0.994	1.00	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0539	0.8609	0.9844	0.9888	0.9885	0.9934	0.9404	0.8919	-----	0.963	5.58	0.995	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.8637	2.8841	2.9906	2.9121	2.5318	2.3462	2.1522	1.9953	-----	2.58	5.69	0.984	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.5144	1.3304	1.4635	1.4515	1.3778	1.3324	1.2854	1.2254	1.2158	1.36	5.68	0.996	1.00	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.3759	2.2007	2.4166	2.3656	2.1575	2.1366	2.0171	1.9237	-----	2.20	5.79	0.995	1.00	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6743	0.6046	0.6679	0.6406	0.6305	0.6243	0.6021	0.5888	-----	0.629	5.86	0.997	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.2616	1.1251	1.3131	1.2681	1.1421	1.1236	1.0423	0.9879	-----	1.16	5.79	0.993	1.00	9.9	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.6550	1.4749	1.5909	1.4953	1.5308	1.5429	1.5303	1.4275	1.2115	1.50	5.81	0.997	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1844	0.1320	0.1670	0.1735	0.1767	0.1803	0.1817	0.1745	-----	0.171	5.91	0.999	0.999	9.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4901	0.4290	0.4666	0.4700	0.4624	0.4547	0.4543	0.4244	-----	0.456	5.92	0.997	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8673	0.7605	0.8857	0.8516	0.8042	0.8017	0.8220	0.7695	-----	0.820	6.12	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1998	0.1457	0.1907	0.1911	0.1912	0.1917	0.2003	0.1858	-----	0.187	6.17	0.999	0.999	9.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4181	0.3399	0.4013	0.4027	0.3841	0.3824	0.3817	0.3488	0.3367	0.377	6.22	0.995	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2186	----	0.0857	0.1372	0.2499	0.2865	0.3069	0.2949	-----	0.226	6.31	0.995	0.997	38		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.5110	0.4533	0.5061	0.4950	0.4608	0.4624	0.4509	0.4274	-----	0.471	6.29	0.997	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2932	0.2137	0.2786	0.2801	0.2717	0.2768	0.2650	0.2464	-----	0.266	6.37	0.995	0.999	9.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3154	0.2966	0.3187	0.3091	0.2880	0.2865	0.2828	0.2580	-----	0.294	6.43	0.994	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1403	1.1203	1.1638	1.1135	1.0296	1.0257	0.9859	0.9150	1.2623	1.08	6.48	0.995	1.00	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4399	0.2805	0.3539	0.3667	0.3905	0.3542	0.3196	0.2765	-----	0.348	6.53	0.964	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1369	0.1193	0.1339	0.1288	0.1261	0.1223	0.1224	0.1149	-----	0.126	6.58	0.997	0.999	5.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1359	0.0897	0.1267	0.1245	0.1299	0.1325	0.1318	0.1258	-----	0.125	6.80	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3682	0.2927	0.3610	0.3462	0.3459	0.3473	0.3474	0.3302	-----	0.342	6.90	0.998	0.999	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6865	0.6878	0.7314	0.6683	0.6418	0.6207	0.6118	0.5472	-----	0.649	7.01	0.991	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6865	0.6878	0.7314	0.6683	0.6418	0.6207	0.6118	0.5472	-----	0.649	7.01	0.991	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9161	0.9051	0.9106	0.9099	0.8159	0.7859	0.7647	0.6906	-----	0.837	7.37	0.990	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5400	0.4741	0.5307	0.5154	0.4793	0.4670	0.4504	0.4154	-----	0.484	7.14	0.992	0.999	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	LinF	0.2152	0.0798	0.1574	0.1813	0.2204	0.2239	0.2246	0.2146	-----	0.190	7.13	0.999	0.999	27	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3415	0.2195	0.3009	0.3159	0.3261	0.3248	0.3211	0.3064	-----	0.307	7.23	0.999	1.00	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.50

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0144

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64608.	CAL BNA@50PPM	02/09/11 13:17	2	5M64606.	CAL BNA@2PPM	02/09/11 12:30
3	5M64605.	CAL BNA@10PPM	02/09/11 12:06	4	5M64604.	CAL BNA@20PPM	02/09/11 11:42
5	5M64603.	CAL BNA@80PPM	02/09/11 11:18	6	5M64602.	CAL BNA@120PPM	02/09/11 10:54
7	5M64601.	CAL BNA@160PPM	02/09/11 10:30	8	5M64600.	CAL BNA@196PPM	02/09/11 10:07
9	5M64607.	CAL BNA@0.5PPM	02/09/11 12:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3774	0.2665	0.3447	0.3654	0.3470	0.3552	0.3620	0.3452	-----	0.345	7.26	0.999	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3423	1.2737	1.3382	1.2728	1.2008	1.2561	1.2356	1.1837	-----	1.26	7.29	0.998	0.999	4.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.2071	1.1439	1.1972	1.1535	1.0665	1.0672	1.0615	0.9999	-----	1.11	7.39	0.997	0.999	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.9737	0.9504	0.9837	0.9726	0.8510	0.7993	0.7526	0.6731	-----	0.870	7.66	0.983	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9737	0.9504	0.9837	0.9726	0.8510	0.7993	0.7526	0.6731	-----	0.870	7.66	0.983	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9212	0.8516	0.9022	0.8899	0.8196	0.7904	0.7749	0.7365	-----	0.836	7.45	0.996	0.999	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.6566	0.5350	0.6133	0.6258	0.6006	0.5946	0.5904	0.5746	-----	0.599	7.47	0.999	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5395	0.4777	0.5308	0.5328	0.4748	0.4392	0.4293	0.3838	-----	0.476	7.64	0.987	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0167	1.8868	2.0082	2.0242	1.8567	1.8145	1.7759	1.6165	-----	1.87	7.73	0.995	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3883	1.2420	1.3733	1.3096	1.2387	1.2342	1.2284	1.1734	-----	1.27	7.62	0.998	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3066	0.2484	0.2883	0.3014	0.2762	0.2752	0.2687	0.2638	-----	0.279	7.67	0.998	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2621	1.2144	1.2513	1.2207	1.1358	1.1098	1.0973	1.0086	-----	1.16	7.88	0.994	0.999	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3757	0.2809	0.3317	0.3438	0.3362	0.3201	0.3047	0.2858	-----	0.322	7.81	0.992	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1320	-----	0.0559	0.0792	0.1416	0.1574	0.1764	0.1715	-----	0.131	7.91	0.994	0.998	35	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7046	1.6526	1.6957	1.6633	1.5529	1.4858	1.4753	1.3464	1.6107	1.58	8.03	0.994	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4090	0.2507	0.3666	0.3888	0.3933	0.3943	0.3860	0.3545	-----	0.368	8.01	0.995	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3593	0.2668	0.2934	0.3108	0.3471	0.3543	0.3568	0.3527	-----	0.330	7.97	0.999	0.999	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	LinF	0.2590	0.1468	0.2427	0.2410	0.2479	0.2540	0.2570	0.2460	-----	0.237	8.14	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3378	1.2929	1.3681	1.3400	1.2000	1.1048	1.0873	0.9988	-----	1.22	8.34	0.990	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5463	0.5068	0.5653	0.5401	0.4802	0.4458	0.4415	0.4145	-----	0.493	8.34	0.994	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4228	1.2711	1.3827	1.4037	1.3004	1.3156	1.3023	1.2284	-----	1.33	8.23	0.997	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4203	0.2968	0.3681	0.3835	0.3796	0.3886	0.4005	0.3796	-----	0.377	8.36	0.998	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3666	0.2675	0.3327	0.3552	0.3370	0.3331	0.3344	0.3204	-----	0.331	8.98	0.998	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1167	0.0219	0.0700	0.0949	0.1236	0.1277	0.1351	0.1304	-----	0.103	8.39	0.997	0.998	38		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6834	0.6204	0.6738	0.6480	0.6334	0.6035	0.6201	0.5794	-----	0.633	8.45	0.997	0.999	5.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	LinF	0.0585	0.0326	0.0528	0.0524	0.0568	0.0586	0.0603	0.0567	-----	0.0536	8.57	0.998	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.1673	1.0615	1.1618	1.1440	1.0956	1.0586	1.0589	1.0211	-----	1.10	8.49	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1606	0.1391	0.1578	0.1473	0.1505	0.1493	0.1488	0.1412	-----	0.149	8.81	0.998	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1519	0.1347	0.1521	0.1471	0.1438	0.1393	0.1432	0.1358	-----	0.144	8.87	0.998	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7942	0.6407	0.8106	0.7917	0.7373	0.6743	0.6708	0.5997	-----	0.715	9.17	0.989	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0782	-----	0.0412	0.0558	0.0848	0.0883	0.0922	0.0921	-----	0.0761	9.08	0.999	1.00	26	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1398	1.1374	1.1328	1.1131	1.0558	1.0238	1.0270	0.9681	-----	1.07	9.29	0.997	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1807	1.0548	1.1309	1.1443	1.0865	1.0501	1.0498	1.0018	-----	1.09	9.35	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1272	1.0017	1.0992	1.0914	1.0664	1.0373	1.0589	1.0072	-----	1.06	9.52	0.998	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4404	1.1227	1.3480	1.3982	1.3695	1.3443	1.3696	1.2884	-----	1.34	9.92	0.998	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1369	1.0076	1.0930	1.1210	1.0349	1.0363	1.0650	1.0095	-----	1.06	10.61	0.998	0.999	4.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.5304	1.2681	1.5049	1.4135	1.4330	1.4537	1.3961	1.4148	-----	1.43	10.87	0.999	0.999	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6671	0.2372	0.3940	0.5129	0.6356	0.5204	0.4482	0.4012	-----	0.477	10.77	0.943	0.996	29		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8082	0.7013	0.8066	0.7375	0.7944	0.8361	0.8056	0.8353	-----	0.791	11.07	0.999	0.999	6.0		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.2448	0.2177	0.2489	0.2282	0.2396	0.2429	0.2360	0.2336	-----	0.237	11.01	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.5007	0.3780	0.4762	0.4639	0.4757	0.4820	0.4586	0.4580	-----	0.462	11.40	0.999	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.50

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0145

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64608.	CAL BNA@50PPM	02/09/11 13:17	2	5M64606.	CAL BNA@2PPM	02/09/11 12:30
3	5M64605.	CAL BNA@10PPM	02/09/11 12:06	4	5M64604.	CAL BNA@20PPM	02/09/11 11:42
5	5M64603.	CAL BNA@80PPM	02/09/11 11:18	6	5M64602.	CAL BNA@120PPM	02/09/11 10:54
7	5M64601.	CAL BNA@160PPM	02/09/11 10:30	8	5M64600.	CAL BNA@196PPM	02/09/11 10:07
9	5M64607.	CAL BNA@0.5PPM	02/09/11 12:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.8059	0.5472	0.7575	0.7287	0.7842	0.8054	0.7972	0.7934	-----	0.752	11.67	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	LinF	0.3987	0.2368	0.3727	0.3582	0.4000	0.4069	0.4032	0.3939	-----	0.371	11.76	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3454	0.2320	0.2964	0.2933	0.3113	0.2876	0.2699	0.2461	-----	0.285	12.28	0.987	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2038	1.0683	1.1796	1.1436	1.1459	1.1332	1.1242	1.0958	-----	1.14	12.29	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1974	1.1164	1.1815	1.1077	1.1023	1.1013	1.1102	1.0583	-----	1.12	12.33	0.998	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.1321	0.7553	1.0367	1.0102	1.1158	1.1338	1.0902	1.0892	-----	1.05	12.37	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	2.1670	1.2682	1.8737	1.8875	2.1462	2.1965	2.2043	2.2009	-----	1.99	13.12	1.00	1.00	16	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2764	1.0510	1.1580	1.0920	1.1319	1.1867	1.1886	1.1992	-----	1.16	13.50	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2121	1.0678	1.2112	1.1530	1.1613	1.1232	1.1836	1.0998	-----	1.15	13.53	0.997	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2166	0.9248	1.0760	1.0624	1.0962	1.1177	1.1542	1.1098	-----	1.09	13.84	0.999	0.999	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.0945	0.7828	0.9721	1.0066	0.9943	1.0100	1.0881	1.0230	-----	0.996	15.04	0.997	0.997	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9111	0.6350	0.7802	0.8478	0.8329	0.8472	0.9040	0.8525	-----	0.826	15.07	0.998	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9416	0.7218	0.7985	0.8516	0.8170	0.8422	0.9254	0.8655	-----	0.846	15.37	0.996	0.996	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags	
a - failed the spcc criteria	** - ccc compound*
b - failed the ccc criteria	*** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)	

Note: Avg Rsd: 9.50

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64608.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:56
Acq On : 02/ 9/11 13:17 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	80006	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	318132	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	168506	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	286861	40.00	ng	0.00
88) Chrysene-d12	12.302	240	226195	40.00	ng	0.00
100) Perylene-d12	13.894	264	195009	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.230	112	140878	52.73	ng	0.00
Spiked Amount 100.000			Recovery = 52.73%			
15) Phenol-d5	5.165	99	205027	54.50	ng	0.00
Spiked Amount 100.000			Recovery = 54.50%			
30) Nitrobenzene-d5	5.907	128	36669	25.60	ng	0.00
Spiked Amount 50.000			Recovery = 51.20%			
52) 2-Fluorobiphenyl	7.286	172	141371	27.22	ng	0.00
Spiked Amount 50.000			Recovery = 54.44%			
77) 2,4,6-Tribromophenol	8.573	330	21007	53.51	ng	0.00
Spiked Amount 100.000			Recovery = 53.51%			
91) Terphenyl-d14	11.068	244	114257	25.08	ng	0.00
Spiked Amount 50.000			Recovery = 50.16%			
Target Compounds						Qvalue
8) Pyridine	2.451	79	189374	51.22	ng	86
9) N-Nitrosodimethylamine	2.398	74	114940	51.94	ng	87
11) Benzaldehyde	5.058	77	109256	45.17	ng	90
12) Aniline	5.160	93	241876	60.59	ng	79
13) Pentachloroethane	5.202	117	51153	53.28	ng	92
14) bis(2-Chloroethyl)ether	5.229	93	158708	51.51	ng	90
16) Phenol	5.176	94	239854	55.67	ng	93
17) 2-Chlorophenol	5.272	128	152723	53.20	ng	92
18) N-Decane	5.325	57	221069	55.38	ng	93
19) 1,3-Dichlorobenzene	5.395	146	159141	53.44	ng	99
20) 1,4-Dichlorobenzene	5.464	146	163316	54.37	ng	96
21) 1,2-Dichlorobenzene	5.587	146	151904	54.75	ng	97
22) Benzyl alcohol	5.576	108	105399	54.02	ng	81
23) bis(2-chloroisopropyl)...	5.688	45	286395	56.80	ng	99
24) 2-Methylphenol	5.683	108	151456	55.05	ng	94
25) Acetophenone	5.790	105	237612	53.43	ng	66
26) Hexachloroethane	5.865	117	67440	54.38	ng	95
27) N-Nitroso-di-n-propyla...	5.790	70	126170	54.19	ng	86
28) 3&4-Methylphenol	5.811	108	165515	53.93	ng	97
31) Nitrobenzene	5.923	77	194897	53.29	ng	91
32) Isophorone	6.116	82	344928	53.00	ng	96
33) 2-Nitrophenol	6.175	139	79469	52.47	ng	86
34) 2,4-Dimethylphenol	6.223	107	166297	54.42	ng	100
35) Benzoic Acid	6.313	105	86948m	54.52	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	203231	54.73	ng	98
37) 2,4-Dichlorophenol	6.372	162	116626	54.60	ng	93
38) 1,2,4-Trichlorobenzene	6.426	180	125427	54.17	ng	100
39) Naphthalene	6.484	128	453468	53.80	ng	99
40) 4-Chloroaniline	6.527	127	174966	57.03	ng	100
41) Hexachlorobutadiene	6.581	225	54475	53.29	ng	97
42) Caprolactam	6.800	113	54079	53.25	ng	65
43) 4-Chloro-3-methylphenol	6.901	107	146434	53.63	ng	95
44) 2-Methylnaphthalene	7.008	142	273031	52.54	ng	99
45) Methylnaphthalenes (To...	7.008	142	273031	52.54	ng	99
46) 1,1'-Biphenyl	7.371	154	364303	55.13	ng	97
48) 1,2,4,5-Tetrachloroben...	7.136	216	113755	57.11	ng	98
49) Hexachlorocyclopentadiene	7.126	237	45329	49.18	ng	94
50) 2,4,6-Trichlorophenol	7.227	196	71940	54.75	ng	98
51) 2,4,5-Trichlorophenol	7.264	196	79498	54.68	ng	98
53) 2-Chloronaphthalene	7.387	162	254266	55.37	ng	96
54) 1,4-Dimethylnaphthalene	7.660	156	205100	57.20	ng	95
55) Dimethylnaphthalenes (...	7.660	156	205100	57.20	ng	95
56) Diphenyl Ether	7.451	170	194049	54.79	ng	93
57) 2-Nitroaniline	7.467	65	138313	55.74	ng	86
58) Coumarin	7.644	146	113638	57.28	ng	84
59) Acenaphthylene	7.729	152	424782	54.73	ng	99
60) Dimethylphthalate	7.617	163	292423	55.10	ng	99
61) 2,6-Dinitrotoluene	7.670	165	64593	56.39	ng	71
62) Acenaphthene	7.879	153	265840	54.76	ng	97
63) 3-Nitroaniline	7.809	138	79153	62.82	ng	35
64) 2,4-Dinitrophenol	7.905	184	27818	50.10	ng	51
65) Dibenzofuran	8.028	168	359057	54.36	ng	93

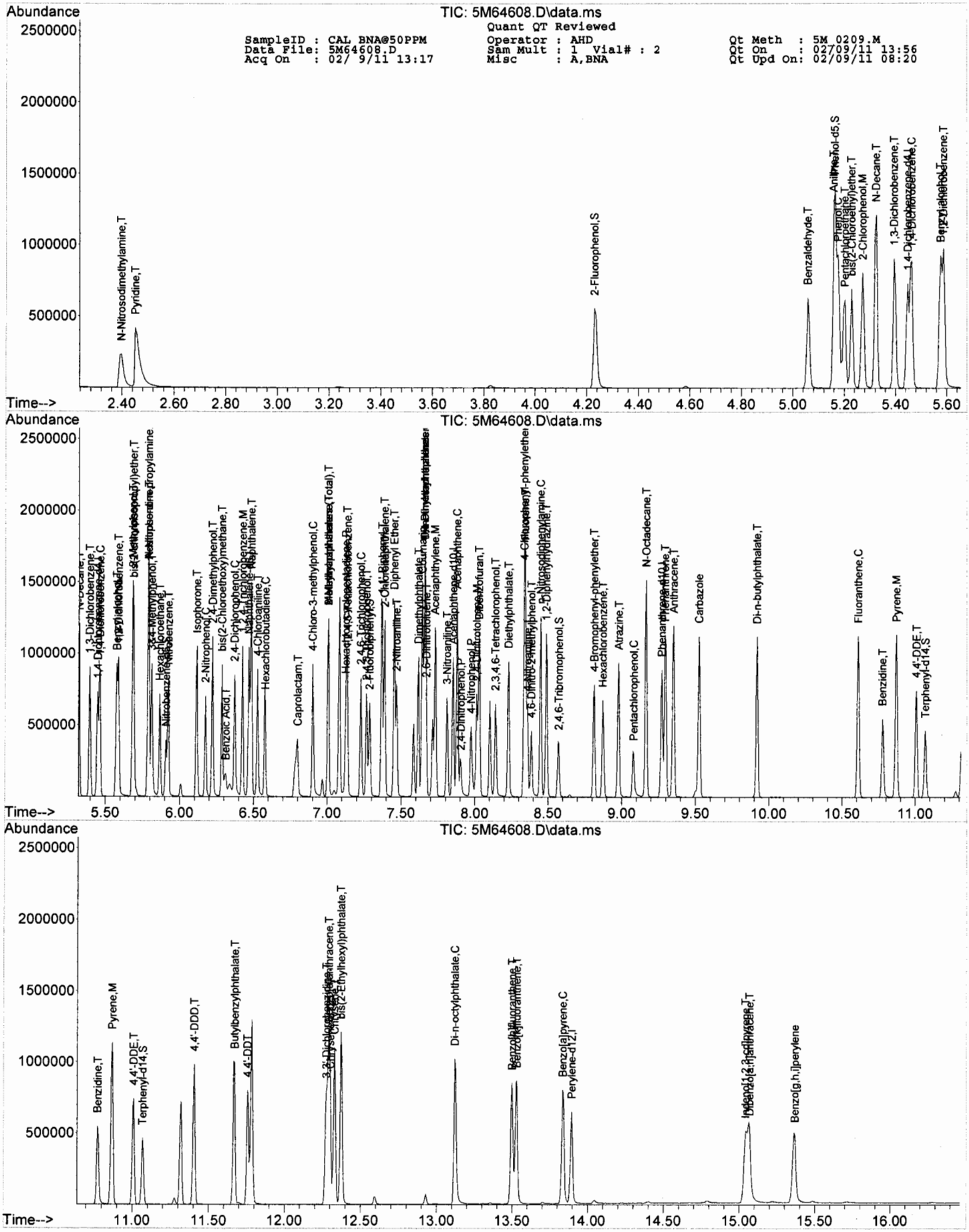
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64608.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:56
Acq On : 02/ 9/11 13:17 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.012	165	86167	55.70 ng	97
67) 4-Nitrophenol	7.975	65	75698	51.23 ng	93
68) 2,3,4,6-Tetrachlorophenol	8.141	232	54563	54.66 ng	95
69) Fluorene	8.344	166	281789	55.62 ng	100
70) 4-Chlorophenyl-phenyle...	8.338	204	115077	56.50 ng	99
71) Diethylphthalate	8.231	149	299699	53.43 ng	99
72) 4-Nitroaniline	8.360	138	88544	56.15 ng	90
73) Atrazine	8.979	200	77231	55.21 ng	99
75) 4,6-Dinitro-2-methylph...	8.386	198	41860	50.70 ng	31
76) n-Nitrosodiphenylamine	8.450	169	245061	54.05 ng	98
78) 1,2-Diphenylhydrazine	8.488	77	418586	54.20 ng	99
79) 4-Bromophenyl-phenylether	8.814	248	57588	54.51 ng	95
80) Hexachlorobenzene	8.872	284	54468	52.42 ng	98
81) N-Octadecane	9.166	57	284792	56.35 ng	91
82) Pentachlorophenol	9.081	266	28048	51.22 ng	98
83) Phenanthrene	9.294	178	408720	53.70 ng	98
84) Anthracene	9.353	178	423371	54.79 ng	99
85) Carbazole	9.524	167	404190	53.10 ng	99
86) Di-n-butylphthalate	9.919	149	516516	53.73 ng	98
87) Fluoranthene	10.609	202	407682	53.95 ng	92
89) Pyrene	10.870	202	432728	53.37 ng	99
90) Benzidine	10.774	184	188625	47.67 ng	100
92) 4,4'-DDE	11.009	246	69233	52.61 ng	90
93) 4,4'-DDD	11.405	235	141576	53.64 ng	82
94) Butylbenzylphthalate	11.672	149	227878	52.53 ng	95
95) 4,4'-DDT	11.757	235	112742	52.01 ng	82
96) 3,3'-Dichlorobenzidine	12.275	252	97685	61.96 ng	99
97) Benzo[a]anthracene	12.291	228	340368	52.52 ng	99
98) Chrysene	12.329	228	338573	53.72 ng	99
99) bis(2-Ethylhexyl)phtha...	12.372	149	320118	54.03 ng	98
101) Di-n-octylphthalate	13.120	149	528245	54.76 ng	99
102) Benzo[b]fluoranthene	13.499	252	311154	54.66 ng	97
103) Benzo[k]fluoranthene	13.531	252	295483	54.50 ng	98
104) Benzo[a]pyrene	13.835	252	296576	56.02 ng	97
105) Indeno[1,2,3-cd]pyrene	15.043	276	266811	54.51 ng	77
106) Dibenzo[a,h]anthracene	15.069	278	222096	54.67 ng	93
107) Benzo[g,h,i]perylene	15.369	276	229540	55.66 ng	83

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


TIC: 5M64608.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64608.D
Acq On : 02/ 9/11 13:17
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 13:56
Qt Upd On: 02/09/11 08:20
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64606.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:53
Acq On : 02/ 9/11 12:30 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	83490	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	336064	40.00	ng	0.00
47) Acenaphthene-d10	7.847	164	180447	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	309124	40.00	ng	0.00
88) Chrysene-d12	12.297	240	248781	40.00	ng	0.00
100) Perylene-d12	13.894	264	207853	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	4369	1.57	ng	0.00
Spiked Amount 100.000			Recovery = 1.57%			
15) Phenol-d5	5.165	99	7394	1.88	ng	0.00
Spiked Amount 100.000			Recovery = 1.88%			
30) Nitrobenzene-d5	5.908	128	1109	0.73	ng	0.00
Spiked Amount 50.000			Recovery = 1.46%			
52) 2-Fluorobiphenyl	7.286	172	5746	1.03	ng	0.00
Spiked Amount 50.000			Recovery = 2.06%			
77) 2,4,6-Tribromophenol	8.573	330	505	1.19	ng	0.00
Spiked Amount 100.000			Recovery = 1.19%			
91) Terphenyl-d14	11.068	244	4362	0.87	ng	0.00
Spiked Amount 50.000			Recovery = 1.74%			
Target Compounds						Qvalue
8) Pyridine	2.499	79	6439	1.67	ng	81
9) N-Nitrosodimethylamine	2.419	74	4094	1.77	ng	90
11) Benzaldehyde	5.058	77	4692	1.86	ng	77
12) Aniline	5.160	93	6749	1.62	ng	51
13) Pentachloroethane	5.197	117	1982	1.98	ng	90
14) bis(2-Chloroethyl)ether	5.224	93	6520	2.03	ng	94
16) Phenol	5.181	94	7998	1.78	ng	92
17) 2-Chlorophenol	5.272	128	5539	1.85	ng	92
18) N-Decane	5.320	57	9136	2.19	ng	96
19) 1,3-Dichlorobenzene	5.395	146	5910	1.90	ng	98
20) 1,4-Dichlorobenzene	5.459	146	6725	2.15	ng	90
21) 1,2-Dichlorobenzene	5.587	146	6040	2.09	ng	99
22) Benzyl alcohol	5.576	108	3594	1.77	ng	87
23) bis(2-chloroisopropyl)...	5.689	45	12040	2.29	ng	97
24) 2-Methylphenol	5.683	108	5554	1.93	ng	90
25) Acetophenone	5.785	105	9187	1.98	ng	71
26) Hexachloroethane	5.865	117	2524	1.95	ng	98
27) N-Nitroso-di-n-propyla...	5.790	70	4697	1.93	ng	81
28) 3&4-Methylphenol	5.811	108	6157	1.92	ng	94
31) Nitrobenzene	5.918	77	7209	1.87	ng	94
32) Isophorone	6.111	82	12779	1.86	ng	96
33) 2-Nitrophenol	6.175	139	2449	1.53	ng	86
34) 2,4-Dimethylphenol	6.223	107	5713	1.77	ng	97
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.282	93	7617	1.94	ng	99
37) 2,4-Dichlorophenol	6.372	162	3591	1.59	ng	94
38) 1,2,4-Trichlorobenzene	6.426	180	4985	2.04	ng	99
39) Naphthalene	6.485	128	18825	2.11	ng	99
40) 4-Chloroaniline	6.527	127	4714	1.26	ng	96
41) Hexachlorobutadiene	6.575	225	2005	1.86	ng	76
42) Caprolactam	6.768	113	1508	1.41	ng	54
43) 4-Chloro-3-methylphenol	6.901	107	4919	1.71	ng	98
44) 2-Methylnaphthalene	7.003	142	11558	2.11	ng	91
45) Methylnaphthalenes (To...	7.003	142	11558	2.11	ng	91
46) 1,1'-Biphenyl	7.366	154	15209	2.18	ng	97
48) 1,2,4,5-Tetrachloroben...	7.131	216	4278	2.01	ng	94
49) Hexachlorocyclopentadiene	7.126	237	720	0.73	ng	90
50) 2,4,6-Trichlorophenol	7.227	196	1981	1.41	ng	89
51) 2,4,5-Trichlorophenol	7.265	196	2405	1.54	ng	95
53) 2-Chloronaphthalene	7.387	162	10321	2.10	ng	96
54) 1,4-Dimethylnaphthalene	7.654	156	8575	2.23	ng	91
55) Dimethylnaphthalenes (...	7.654	156	8575	2.23	ng	91
56) Diphenyl Ether	7.451	170	7684	2.03	ng	96
57) 2-Nitroaniline	7.468	65	4827	1.82	ng	90
58) Coumarin	7.638	146	4310	2.03	ng	86
59) Acenaphthylene	7.729	152	17024	2.05	ng	96
60) Dimethylphthalate	7.612	163	11206	1.97	ng	99
61) 2,6-Dinitrotoluene	7.665	165	2242	1.83	ng	92
62) Acenaphthene	7.879	153	10957	2.11	ng	97
63) 3-Nitroaniline	7.809	138	2535	1.88	ng	30
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.028	168	14911	2.11	ng	96

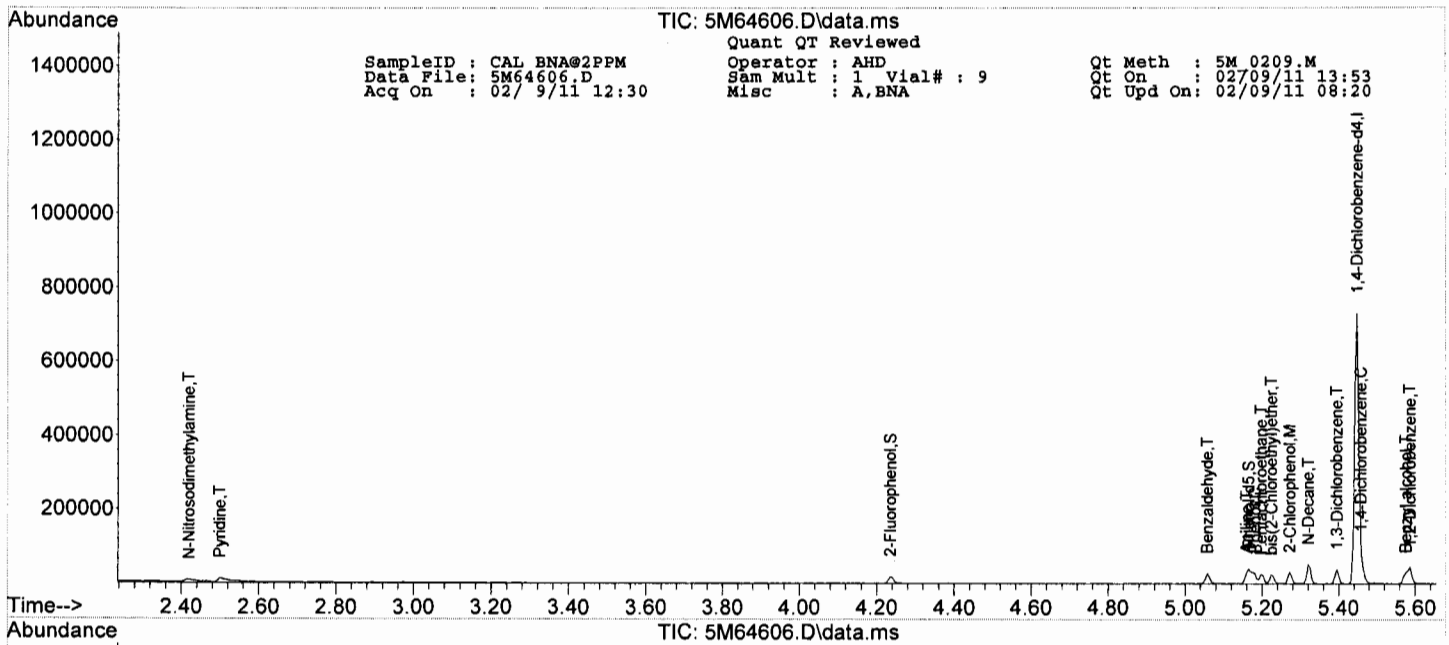
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64606.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:53
Acq On : 02/ 9/11 12:30 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.012	165	2262	1.37	ng	85
67)	4-Nitrophenol	7.980	65	2408	1.52	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.141	232	1325	1.24	ng	93
69)	Fluorene	8.338	166	11665	2.15	ng	98
70)	4-Chlorophenyl-phenyle...	8.338	204	4573	2.10	ng	97
71)	Diethylphthalate	8.226	149	11469	1.91	ng	98
72)	4-Nitroaniline	8.354	138	2678	1.59	ng	92
73)	Atrazine	8.974	200	2414	1.61	ng	92
75)	4,6-Dinitro-2-methylph...	8.386	198	339	0.41	ng	24
76)	n-Nitrosodiphenylamine	8.445	169	9589	1.96	ng	97
78)	1,2-Diphenylhydrazine	8.488	77	16407	1.97	ng	96
79)	4-Bromophenyl-phenylether	8.814	248	2151	1.89	ng	97
80)	Hexachlorobenzene	8.873	284	2083	1.86	ng	93
81)	N-Octadecane	9.166	57	9903	1.82	ng	86
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	9.295	178	17580	2.14	ng	98
84)	Anthracene	9.348	178	16304	1.96	ng	98
85)	Carbazole	9.524	167	15483	1.89	ng	98
86)	Di-n-butylphthalate	9.920	149	17353	1.68	ng	97
87)	Fluoranthene	10.609	202	15574	1.91	ng	89
89)	Pyrene	10.865	202	15775	1.77	ng	98
90)	Benzidine	10.774	184	2951	0.67	ng	93
92)	4,4'-DDE	11.004	246	2709	1.87	ng	86
93)	4,4'-DDD	11.405	235	4702	1.62	ng	77
94)	Butylbenzylphthalate	11.667	149	6807	1.43	ng	84
95)	4,4'-DDT	11.757	235	2946	1.24	ng	81
96)	3,3'-Dichlorobenzidine	12.270	252	2887	1.51	ng	89
97)	Benzo[a]anthracene	12.286	228	13289	1.86	ng	96
98)	Chrysene	12.324	228	13888	2.00	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.372	149	9396	1.44	ng	91
101)	Di-n-octylphthalate	13.120	149	13180	1.28	ng	96
102)	Benzo[b]fluoranthene	13.494	252	10923	1.80	ng	91
103)	Benzo[k]fluoranthene	13.520	252	11098	1.92	ng	87
104)	Benzo[a]pyrene	13.835	252	9612	1.70	ng	93
105)	Indeno[1,2,3-cd]pyrene	15.037	276	8136	1.56	ng	72
106)	Dibenzo[a,h]anthracene	15.059	278	6600	1.52	ng	85
107)	Benzo[g,h,i]perylene	15.353	276	7502	1.71	ng	80

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


Abundance
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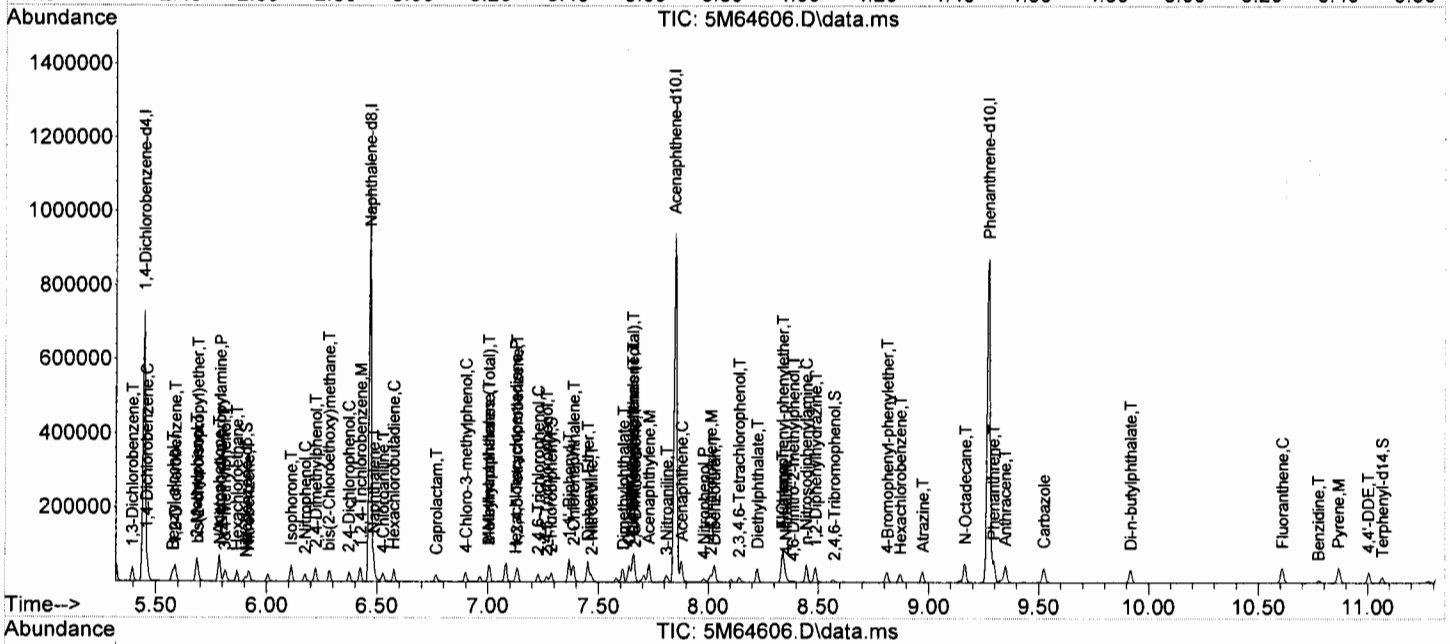
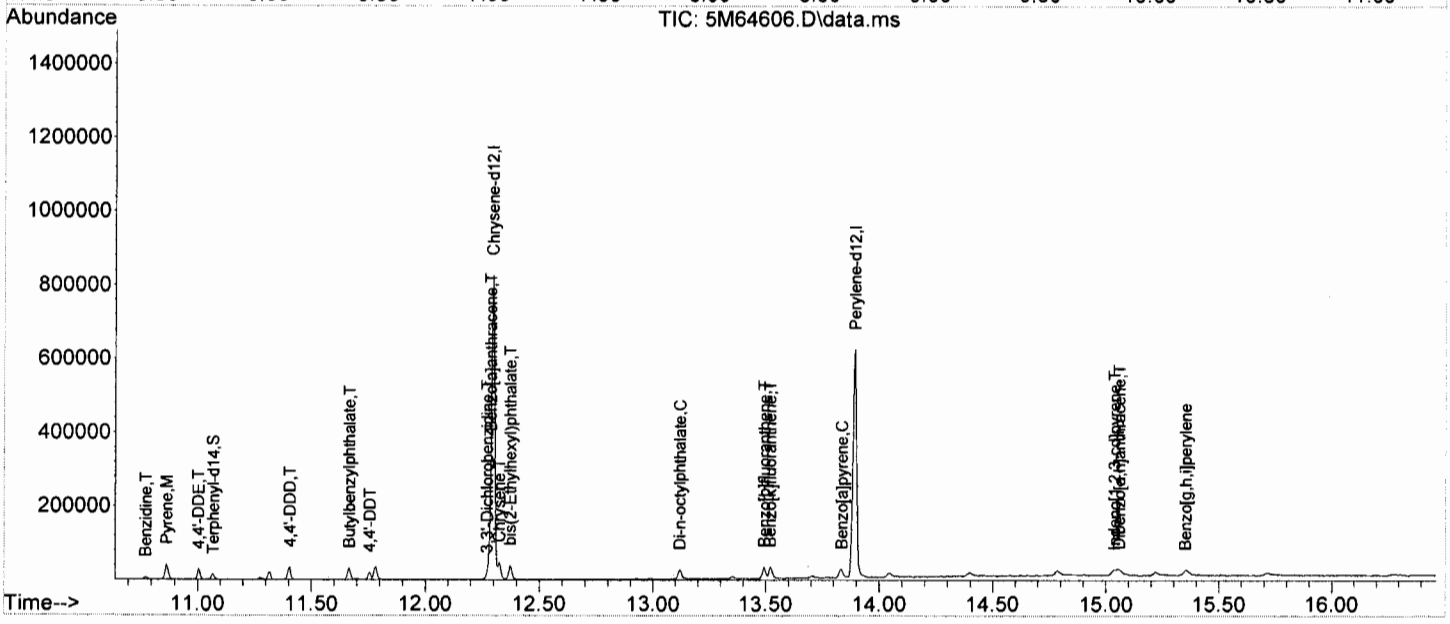
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 5M64606.D
Acq On : 02/ 9/11 12:30
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 13:53
Qt Upd On: 02/09/11 08:20
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 5M64606.D\data.ms
1,4-Dichlorobenzene-d4,I
Nephthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
1,3-Dichlorobenzene,T
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
Acenaphthylene,M
3-Nitroaniline,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 5M64606.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64605.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:26
Acq On : 02/ 9/11 12:06 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	83568	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	320563	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	176222	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	297151	40.00	ng	0.00
88) Chrysene-d12	12.297	240	228938	40.00	ng	0.00
100) Perylene-d12	13.894	264	200272	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	26419	9.47	ng	0.00
Spiked Amount 100.000			Recovery = 9.47%			
15) Phenol-d5	5.165	99	41730	10.62	ng	0.00
Spiked Amount 100.000			Recovery = 10.62%			
30) Nitrobenzene-d5	5.907	128	6694	4.64	ng	0.00
Spiked Amount 50.000			Recovery = 9.28%			
52) 2-Fluorobiphenyl	7.286	172	29479	5.43	ng	0.00
Spiked Amount 50.000			Recovery = 10.86%			
77) 2,4,6-Tribromophenol	8.573	330	3929	9.66	ng	0.00
Spiked Amount 100.000			Recovery = 9.66%			
91) Terphenyl-d14	11.068	244	23083	5.01	ng	0.00
Spiked Amount 50.000			Recovery = 10.02%			
Target Compounds						Qvalue
8) Pyridine	2.472	79	38759	10.04	ng	81
9) N-Nitrosodimethylamine	2.403	74	22865	9.89	ng	89
11) Benzaldehyde	5.058	77	25414	10.06	ng	86
12) Aniline	5.159	93	39067	9.37	ng	55
13) Pentachloroethane	5.197	117	10154	10.12	ng	90
14) bis(2-Chloroethyl)ether	5.224	93	31525	9.80	ng	96
16) Phenol	5.175	94	46480	10.33	ng	95
17) 2-Chlorophenol	5.272	128	30503	10.17	ng	96
18) N-Decane	5.320	57	45625	10.94	ng	98
19) 1,3-Dichlorobenzene	5.395	146	31723	10.20	ng	95
20) 1,4-Dichlorobenzene	5.464	146	33603	10.71	ng	97
21) 1,2-Dichlorobenzene	5.587	146	32135	11.09	ng	98
22) Benzyl alcohol	5.576	108	20567	10.09	ng	78
23) bis(2-chloroisopropyl)...	5.688	45	62480	11.86	ng	97
24) 2-Methylphenol	5.683	108	30577	10.64	ng	98
25) Acetophenone	5.785	105	50489	10.87	ng	72
26) Hexachloroethane	5.865	117	13955	10.77	ng	89
27) N-Nitroso-di-n-propyla...	5.790	70	27435	11.28	ng	84
28) 3&4-Methylphenol	5.811	108	33237	10.37	ng	99
31) Nitrobenzene	5.918	77	37399	10.15	ng	95
32) Isophorone	6.110	82	70984	10.82	ng	100
33) 2-Nitrophenol	6.174	139	15287	10.02	ng	87
34) 2,4-Dimethylphenol	6.223	107	32161	10.44	ng	98
35) Benzoic Acid	6.308	105	6873m	5.15	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	40561	10.84	ng	97
37) 2,4-Dichlorophenol	6.372	162	22330	10.38	ng	92
38) 1,2,4-Trichlorobenzene	6.426	180	25542	10.95	ng	96
39) Naphthalene	6.484	128	93271	10.98	ng	100
40) 4-Chloroaniline	6.527	127	28367	8.07	ng	100
41) Hexachlorobutadiene	6.580	225	10734	10.42	ng	94
42) Caprolactam	6.773	113	10156	9.92	ng	69
43) 4-Chloro-3-methylphenol	6.901	107	28935	10.52	ng	93
44) 2-Methylnaphthalene	7.008	142	58622	11.19	ng	100
45) Methylnaphthalenes (To...	7.008	142	58622	11.19	ng	100
46) 1,1'-Biphenyl	7.366	154	72980	10.96	ng	99
48) 1,2,4,5-Tetrachloroben...	7.131	216	23383	11.23	ng	96
49) Hexachlorocyclopentadiene	7.125	237	6937	7.20	ng	94
50) 2,4,6-Trichlorophenol	7.227	196	13260	9.65	ng	97
51) 2,4,5-Trichlorophenol	7.264	196	15186	9.99	ng	95
53) 2-Chloronaphthalene	7.387	162	52745	10.98	ng	95
54) 1,4-Dimethylnaphthalene	7.660	156	43340	11.56	ng	94
55) Dimethylnaphthalenes (...	7.660	156	43340	11.56	ng	94
56) Diphenyl Ether	7.451	170	39747	10.73	ng	93
57) 2-Nitroaniline	7.467	65	27022	10.41	ng	84
58) Coumarin	7.638	146	23387	11.27	ng	86
59) Acenaphthylene	7.729	152	88476	10.90	ng	100
60) Dimethylphthalate	7.612	163	60505	10.90	ng	100
61) 2,6-Dinitrotoluene	7.665	165	12701	10.60	ng	80
62) Acenaphthene	7.879	153	55127	10.86	ng	93
63) 3-Nitroaniline	7.809	138	14617	11.09	ng	37
64) 2,4-Dinitrophenol	7.905	184	2463	4.76	ng	54
65) Dibenzofuran	8.028	168	74705	10.81	ng	96

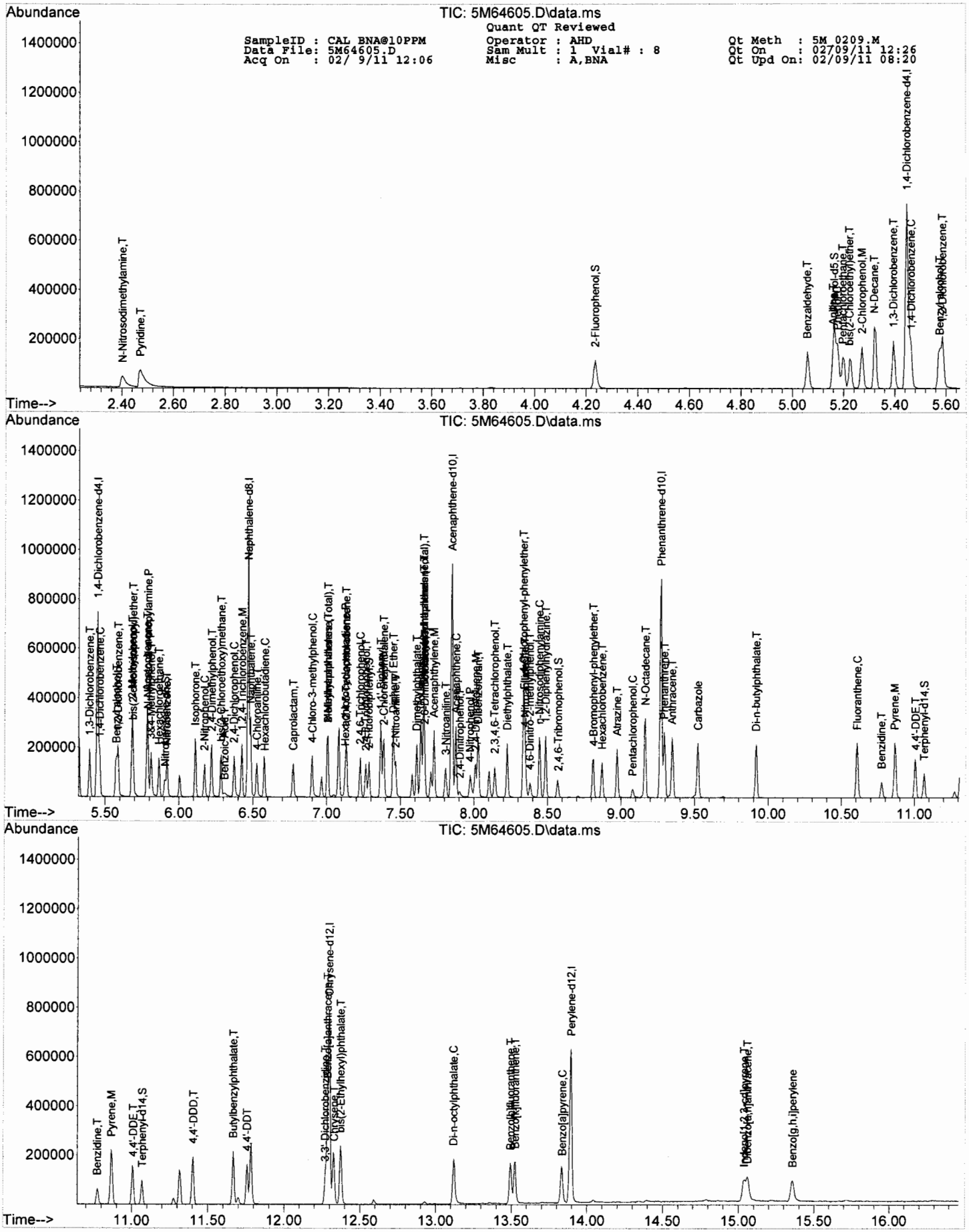
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64605.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:26
Acq On : 02/ 9/11 12:06 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.012	165	16153	9.98 ng	91
67)	4-Nitrophenol	7.975	65	12928	8.37 ng	97
68)	2,3,4,6-Tetrachlorophenol	8.140	232	10694	10.24 ng	96
69)	Fluorene	8.343	166	60274	11.38 ng	95
70)	4-Chlorophenyl-phenyle...	8.338	204	24905	11.69 ng	99
71)	Diethylphthalate	8.226	149	60916	10.39 ng	99
72)	4-Nitroaniline	8.349	138	16217	9.83 ng	97
73)	Atrazine	8.974	200	14658	10.02 ng	95
75)	4,6-Dinitro-2-methylph...	8.381	198	5204	6.42 ng	28
76)	n-Nitrosodiphenylamine	8.445	169	50062	10.66 ng	100
78)	1,2-Diphenylhydrazine	8.488	77	86309	10.79 ng	97
79)	4-Bromophenyl-phenylether	8.814	248	11725	10.71 ng	96
80)	Hexachlorobenzene	8.872	284	11304	10.50 ng	96
81)	N-Octadecane	9.166	57	60223	11.50 ng	95
82)	Pentachlorophenol	9.081	266	3066	5.83 ng	95
83)	Phenanthrene	9.294	178	84154	10.67 ng	99
84)	Anthracene	9.348	178	84014	10.50 ng	98
85)	Carbazole	9.524	167	81663	10.36 ng	99
86)	Di-n-butylphthalate	9.919	149	100143	10.06 ng	98
87)	Fluoranthene	10.609	202	81198	10.37 ng	95
89)	Pyrene	10.865	202	86136	10.50 ng	95
90)	Benzidine	10.774	184	22555	5.54 ng	100
92)	4,4'-DDE	11.009	246	14247	10.70 ng	88
93)	4,4'-DDD	11.405	235	27258	10.20 ng	81
94)	Butylbenzylphthalate	11.666	149	43358	9.88 ng	92
95)	4,4'-DDT	11.757	235	21334	9.72 ng	83
96)	3,3'-Dichlorobenzidine	12.270	252	16965	9.78 ng	93
97)	Benzo[a]anthracene	12.286	228	67514	10.29 ng	99
98)	Chrysene	12.329	228	67624	10.60 ng	97
99)	bis(2-Ethylhexyl)phtha...	12.371	149	59336	9.89 ng	98
101)	Di-n-octylphthalate	13.119	149	93814	9.47 ng	100
102)	Benzo[b]fluoranthene	13.493	252	57983	9.92 ng	95
103)	Benzo[k]fluoranthene	13.525	252	60644	10.89 ng	96
104)	Benzo[a]pyrene	13.835	252	53877	9.91 ng	98
105)	Indeno[1,2,3-cd]pyrene	15.037	276	48672	9.68 ng	79
106)	Dibenzo[a,h]anthracene	15.059	278	39066	9.36 ng	82
107)	Benzo[g,h,i]perylene	15.358	276	39984	9.44 ng	78

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


Abundance
TIC: 5M64605.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M64605.D
Acq On : 02/ 9/11 12:06
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 12:26
Qt Upd On: 02/09/11 08:20
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64605.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Naphthalene-d8,I
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene-d10,I
Acenaphthylene,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64605.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Perylene-d12,I
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64604.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:58
Acq On : 02/ 9/11 11:42 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	76048	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	299328	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	159132	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	269358	40.00	ng	0.00
88) Chrysene-d12	12.297	240	219520	40.00	ng	0.00
100) Perylene-d12	13.894	264	192131	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	51003	20.08	ng	0.00
Spiked Amount 100.000			Recovery = 20.08%			
15) Phenol-d5	5.165	99	74205	20.75	ng	0.00
Spiked Amount 100.000			Recovery = 20.75%			
30) Nitrobenzene-d5	5.907	128	12984	9.64	ng	0.00
Spiked Amount 50.000			Recovery = 19.28%			
52) 2-Fluorobiphenyl	7.286	172	50639	10.32	ng	0.00
Spiked Amount 50.000			Recovery = 20.64%			
77) 2,4,6-Tribromophenol	8.573	330	7057	19.14	ng	0.00
Spiked Amount 100.000			Recovery = 19.14%			
91) Terphenyl-d14	11.068	244	40478	9.15	ng	0.00
Spiked Amount 50.000			Recovery = 18.30%			
Target Compounds						Qvalue
8) Pyridine	2.462	79	69089	19.66	ng	84
9) N-Nitrosodimethylamine	2.398	74	41870	19.91	ng	87
11) Benzaldehyde	5.058	77	46558	20.25	ng	89
12) Aniline	5.160	93	81313	21.43	ng	54
13) Pentachloroethane	5.202	117	18910	20.72	ng	93
14) bis(2-Chloroethyl)ether	5.229	93	58921	20.12	ng	90
16) Phenol	5.176	94	84505	20.63	ng	96
17) 2-Chlorophenol	5.272	128	55394	20.30	ng	91
18) N-Decane	5.325	57	82744	21.81	ng	93
19) 1,3-Dichlorobenzene	5.395	146	58199	20.56	ng	97
20) 1,4-Dichlorobenzene	5.464	146	58763	20.58	ng	98
21) 1,2-Dichlorobenzene	5.587	146	55793	21.16	ng	99
22) Benzyl alcohol	5.576	108	37601	20.27	ng	81
23) bis(2-chloroisopropyl)...	5.688	45	110730	23.11	ng	98
24) 2-Methylphenol	5.683	108	55193	21.11	ng	99
25) Acetophenone	5.785	105	89951	21.28	ng	71
26) Hexachloroethane	5.865	117	24359	20.67	ng	96
27) N-Nitroso-di-n-propyla...	5.790	70	48219	21.79	ng	88
28) 3&4-Methylphenol	5.811	108	56858	19.49	ng	97
31) Nitrobenzene	5.918	77	70343	20.44	ng	94
32) Isophorone	6.110	82	127457	20.81	ng	99
33) 2-Nitrophenol	6.175	139	28609	20.08	ng	87
34) 2,4-Dimethylphenol	6.223	107	60282	20.96	ng	99
35) Benzoic Acid	6.292	105	20538m	13.20	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	74083	21.21	ng	98
37) 2,4-Dichlorophenol	6.372	162	41925	20.86	ng	93
38) 1,2,4-Trichlorobenzene	6.426	180	46265	21.24	ng	98
39) Naphthalene	6.484	128	166663	21.02	ng	100
40) 4-Chloroaniline	6.527	127	54883	22.76	ng	99
41) Hexachlorobutadiene	6.581	225	19282	20.05	ng	93
42) Caprolactam	6.778	113	18638	19.50	ng	66
43) 4-Chloro-3-methylphenol	6.901	107	51817	20.17	ng	91
44) 2-Methylnaphthalene	7.008	142	100024	20.46	ng	97
45) Methylnaphthalenes (To...	7.008	142	100024	20.46	ng	97
46) 1,1'-Biphenyl	7.366	154	136190	21.90	ng	99
48) 1,2,4,5-Tetrachloroben...	7.136	216	41014	21.80	ng	98
49) Hexachlorocyclopentadiene	7.125	237	14430	18.75	ng	93
50) 2,4,6-Trichlorophenol	7.227	196	25140	20.26	ng	98
51) 2,4,5-Trichlorophenol	7.264	196	29075	21.18	ng	94
53) 2-Chloronaphthalene	7.387	162	91784	21.16	ng	95
54) 1,4-Dimethylnaphthalene	7.660	156	77389	22.85	ng	96
55) Dimethylnaphthalenes (...	7.660	156	77389	22.85	ng	96
56) Diphenyl Ether	7.451	170	70810	21.17	ng	92
57) 2-Nitroaniline	7.467	65	49797	21.25	ng	78
58) Coumarin	7.638	146	42398	22.63	ng	82
59) Acenaphthylene	7.729	152	161061	21.98	ng	99
60) Dimethylphthalate	7.612	163	104202	20.79	ng	99
61) 2,6-Dinitrotoluene	7.665	165	23982	22.17	ng	81
62) Acenaphthene	7.879	153	97131	21.18	ng	96
63) 3-Nitroaniline	7.809	138	27362	22.99	ng	34
64) 2,4-Dinitrophenol	7.905	184	6309	11.74	ng	78
65) Dibenzofuran	8.028	168	132343	21.22	ng	95

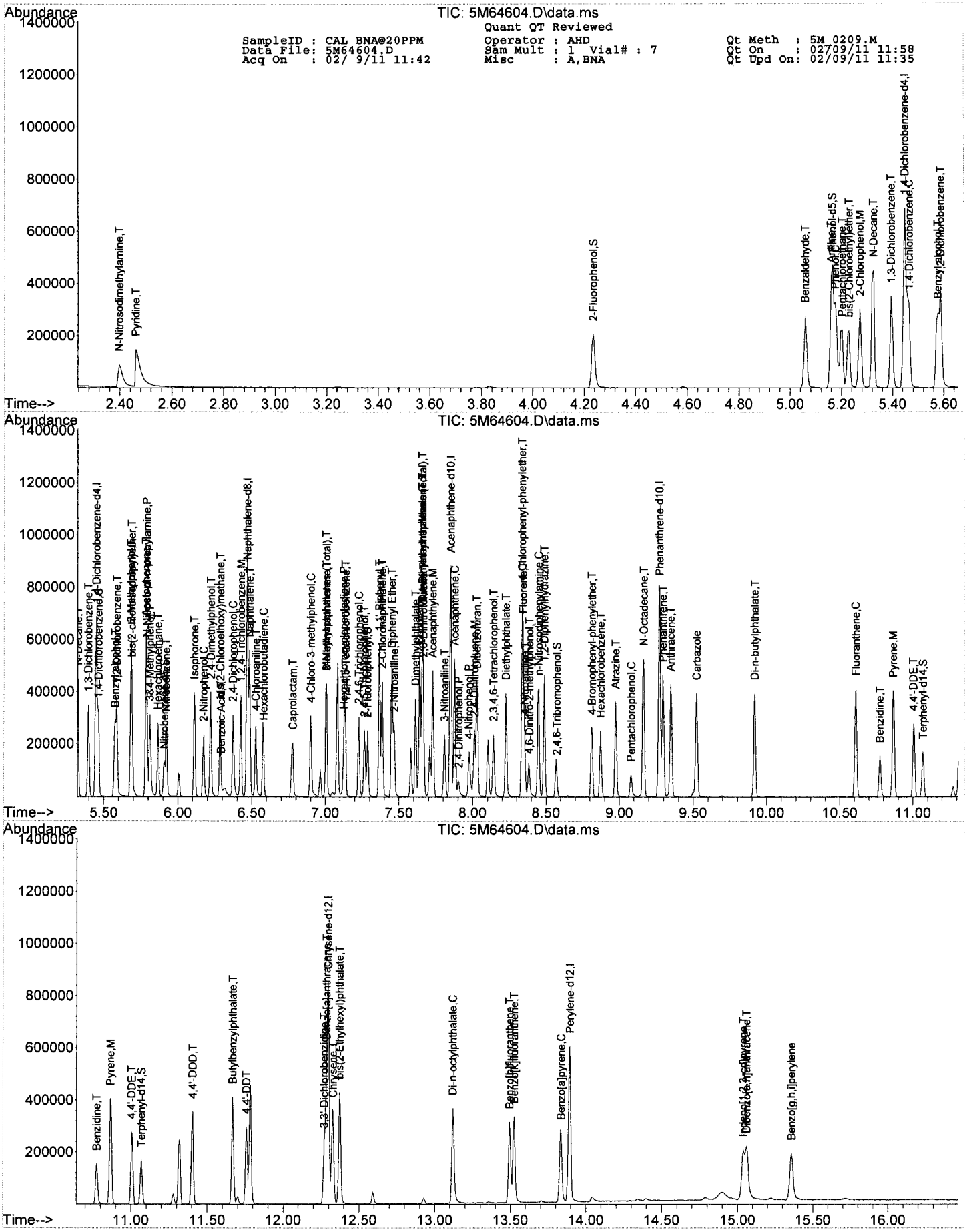
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64604.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:58
Acq On : 02/ 9/11 11:42 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.012	165	30942	21.18	ng	91
67) 4-Nitrophenol	7.975	65	24735	17.72	ng	98
68) 2,3,4,6-Tetrachlorophenol	8.141	232	19179	20.35	ng	97
69) Fluorene	8.344	166	106620	22.28	ng	99
70) 4-Chlorophenyl-phenyle...	8.338	204	42975	22.34	ng	99
71) Diethylphthalate	8.226	149	111691	21.09	ng	97
72) 4-Nitroaniline	8.354	138	30521	20.50	ng	97
73) Atrazine	8.974	200	28265	21.40	ng	98
75) 4,6-Dinitro-2-methylph...	8.386	198	12791	17.85	ng	55
76) n-Nitrosodiphenylamine	8.450	169	87284	20.50	ng	99
78) 1,2-Diphenylhydrazine	8.488	77	154080	21.25	ng	99
79) 4-Bromophenyl-phenylether	8.814	248	19851	20.01	ng	93
80) Hexachlorobenzene	8.872	284	19822	20.32	ng	97
81) N-Octadecane	9.166	57	106629	22.47	ng	93
82) Pentachlorophenol	9.081	266	7525	14.41	ng	94
83) Phenanthrene	9.294	178	149915	20.97	ng	99
84) Anthracene	9.348	178	154122	21.24	ng	100
85) Carbazole	9.524	167	146989	20.57	ng	99
86) Di-n-butylphthalate	9.919	149	188315	20.86	ng	99
87) Fluoranthene	10.609	202	150984	21.28	ng	95
89) Pyrene	10.865	202	155149	19.72	ng	93
90) Benzidine	10.774	184	56305	18.26	ng	97
92) 4,4'-DDE	11.004	246	25050	19.61	ng	90
93) 4,4'-DDD	11.405	235	50921	19.88	ng	82
94) Butylbenzylphthalate	11.666	149	79985	19.00	ng	90
95) 4,4'-DDT	11.757	235	39324	18.69	ng	82
96) 3,3'-Dichlorobenzidine	12.270	252	32195	22.55	ng	93
97) Benzo[a]anthracene	12.286	228	125530	19.96	ng	100
98) Chrysene	12.329	228	121582	19.88	ng	99
99) bis(2-Ethylhexyl)phtha...	12.372	149	110885	19.28	ng	99
101) Di-n-octylphthalate	13.120	149	181330	19.08	ng	99
102) Benzo[b]fluoranthene	13.493	252	104910	18.70	ng	98
103) Benzo[k]fluoranthene	13.526	252	110767	20.74	ng	98
104) Benzo[a]pyrene	13.835	252	102069	19.57	ng	99
105) Indeno[1,2,3-cd]pyrene	15.037	276	96706	20.05	ng	80
106) Dibenzo[a,h]anthracene	15.059	278	81448	20.35	ng	91
107) Benzo[g,h,i]perylene	15.358	276	81811	20.14	ng	81

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M64604.D
Acq On : 02/ 9/11 11:42
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 11:58
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64604.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene-d10,I
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64604.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64603.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 11:18 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	87059	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	343707	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	185442	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	308660	40.00	ng	0.00
88) Chrysene-d12	12.302	240	235298	40.00	ng	0.00
100) Perylene-d12	13.894	264	204225	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	232862	80.09	ng	0.00
Spiked Amount 100.000			Recovery = 80.09%			
15) Phenol-d5	5.165	99	318848	77.89	ng	0.00
Spiked Amount 100.000			Recovery = 77.89%			
30) Nitrobenzene-d5	5.907	128	60733	39.25	ng	0.00
Spiked Amount 50.000			Recovery = 78.50%			
52) 2-Fluorobiphenyl	7.291	172	222696	38.96	ng	0.00
Spiked Amount 50.000			Recovery = 77.92%			
77) 2,4,6-Tribromophenol	8.573	330	35104	83.10	ng	0.00
Spiked Amount 100.000			Recovery = 83.10%			
91) Terphenyl-d14	11.073	244	186925	39.44	ng	0.00
Spiked Amount 50.000			Recovery = 78.88%			
Target Compounds						Qvalue
8) Pyridine	2.451	79	319158	79.33	ng	85
9) N-Nitrosodimethylamine	2.398	74	188089	78.11	ng	87
11) Benzaldehyde	5.058	77	173140	65.78	ng	89
12) Aniline	5.165	93	384632	88.55	ng	79
13) Pentachloroethane	5.202	117	83502	79.92	ng	93
14) bis(2-Chloroethyl)ether	5.234	93	258123	76.99	ng	88
16) Phenol	5.181	94	376508	80.30	ng	91
17) 2-Chlorophenol	5.272	128	242173	77.53	ng	96
18) N-Decane	5.325	57	345181	79.46	ng	95
19) 1,3-Dichlorobenzene	5.400	146	251145	77.51	ng	99
20) 1,4-Dichlorobenzene	5.464	146	259276	79.32	ng	98
21) 1,2-Dichlorobenzene	5.587	146	242744	80.41	ng	98
22) Benzyl alcohol	5.576	108	172126	81.07	ng	83
23) bis(2-chloroisopropyl)...	5.688	45	440843	80.35	ng	100
24) 2-Methylphenol	5.688	108	239908	80.14	ng	95
25) Acetophenone	5.790	105	375664	77.63	ng	70
26) Hexachloroethane	5.865	117	109791	81.36	ng	88
27) N-Nitroso-di-n-propyla...	5.795	70	198870	78.49	ng	83
28) 3&4-Methylphenol	5.811	108	266553	79.81	ng	95
31) Nitrobenzene	5.924	77	317860	80.45	ng	93
32) Isophorone	6.116	82	552817	78.62	ng	98
33) 2-Nitrophenol	6.175	139	131456	80.34	ng	84
34) 2,4-Dimethylphenol	6.223	107	264083	79.98	ng	95
35) Benzoic Acid	6.324	105	171844m	96.16	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	316758	78.96	ng	100
37) 2,4-Dichlorophenol	6.378	162	186772	80.94	ng	90
38) 1,2,4-Trichlorobenzene	6.426	180	198023	79.16	ng	99
39) Naphthalene	6.484	128	707804	77.73	ng	99
40) 4-Chloroaniline	6.527	127	268443	96.94	ng	98
41) Hexachlorobutadiene	6.581	225	86697	78.50	ng	98
42) Caprolactam	6.810	113	89350	81.43	ng	65
43) 4-Chloro-3-methylphenol	6.907	107	237776	80.61	ng	94
44) 2-Methylnaphthalene	7.008	142	441190	78.58	ng	100
45) Methylnaphthalenes (To...	7.008	142	441190	78.58	ng	100
46) 1,1'-Biphenyl	7.371	154	560924	78.57	ng	98
48) 1,2,4,5-Tetrachloroben...	7.136	216	177771	81.10	ng	97
49) Hexachlorocyclopentadiene	7.126	237	81769	91.16	ng	94
50) 2,4,6-Trichlorophenol	7.232	196	120972	83.66	ng	99
51) 2,4,5-Trichlorophenol	7.270	196	128703	80.44	ng	97
53) 2-Chloronaphthalene	7.387	162	395575	78.27	ng	98
54) 1,4-Dimethylnaphthalene	7.660	156	315621	79.98	ng	97
55) Dimethylnaphthalenes (...	7.660	156	315621	79.98	ng	97
56) Diphenyl Ether	7.457	170	303997	77.99	ng	88
57) 2-Nitroaniline	7.473	65	222779	81.58	ng	80
58) Coumarin	7.649	146	176116	80.66	ng	88
59) Acenaphthylene	7.735	152	688651	80.63	ng	99
60) Dimethylphthalate	7.617	163	459434	78.67	ng	99
61) 2,6-Dinitrotoluene	7.670	165	102472	81.29	ng	80
62) Acenaphthene	7.884	153	421281	78.85	ng	96
63) 3-Nitroaniline	7.815	138	124726	89.95	ng	37
64) 2,4-Dinitrophenol	7.906	184	52523	83.90	ng	71
65) Dibenzofuran	8.034	168	575956	79.23	ng	90

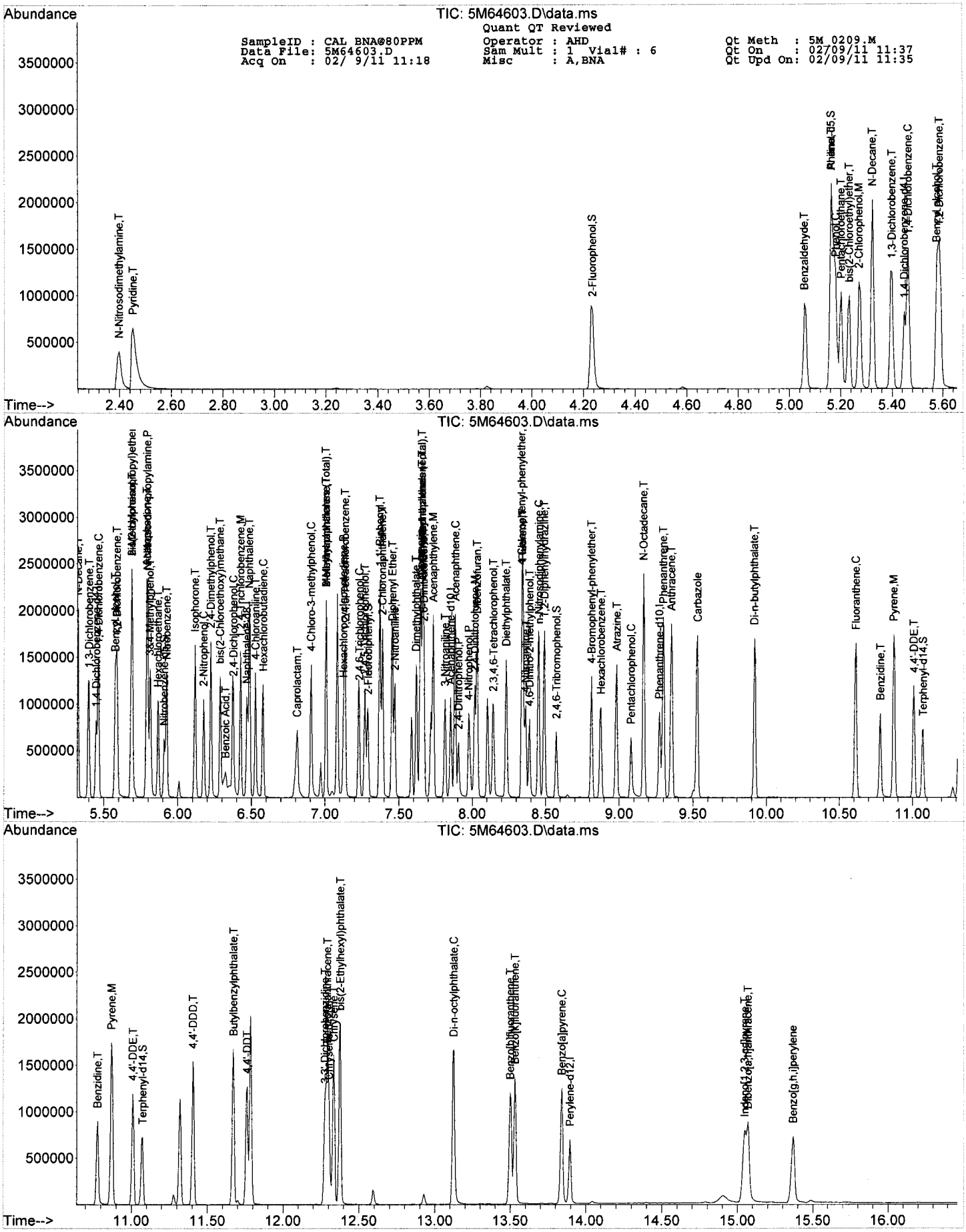
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64603.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 11:18 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.018	165	145884	85.68 ng	90
67)	4-Nitrophenol	7.975	65	128761	79.18 ng	93
68)	2,3,4,6-Tetrachlorophenol	8.146	232	91976	83.73 ng	97
69)	Fluorene	8.344	166	445078	79.83 ng	98
70)	4-Chlorophenyl-phenyle...	8.338	204	178130	79.48 ng	96
71)	Diethylphthalate	8.231	149	482306	78.14 ng	99
72)	4-Nitroaniline	8.365	138	140801	81.14 ng	94
73)	Atrazine	8.985	200	125009	81.21 ng	98
75)	4,6-Dinitro-2-methylph...	8.392	198	76317	92.94 ng	33
76)	n-Nitrosodiphenylamine	8.456	169	391008	80.16 ng	99
78)	1,2-Diphenylhydrazine	8.493	77	676390	81.40 ng	96
79)	4-Bromophenyl-phenylether	8.814	248	92928	81.75 ng	91
80)	Hexachlorobenzene	8.878	284	88792	79.42 ng	89
81)	N-Octadecane	9.166	57	455189	83.71 ng	92
82)	Pentachlorophenol	9.081	266	52399	87.58 ng	96
83)	Phenanthrene	9.300	178	651780	79.58 ng	99
84)	Anthracene	9.353	178	670741	80.68 ng	99
85)	Carbazole	9.530	167	658341	80.39 ng	98
86)	Di-n-butylphthalate	9.920	149	845442	81.74 ng	99
87)	Fluoranthene	10.614	202	638911	78.58 ng	95
89)	Pyrene	10.870	202	674406	79.97 ng	96
90)	Benzidine	10.780	184	299153	90.49 ng	96
92)	4,4'-DDE	11.009	246	112783	82.38 ng	90
93)	4,4'-DDD	11.405	235	223876	81.53 ng	82
94)	Butylbenzylphthalate	11.672	149	369072	81.79 ng	93
95)	4,4'-DDT	11.763	235	188251	83.48 ng	83
96)	3,3'-Dichlorobenzidine	12.275	252	146535	95.75 ng	96
97)	Benzo[a]anthracene	12.291	228	539293	79.99 ng	99
98)	Chrysene	12.334	228	518739	79.12 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.377	149	525119	85.19 ng	98
101)	Di-n-octylphthalate	13.125	149	876627	86.77 ng	99
102)	Benzo[b]fluoranthene	13.499	252	462341	77.55 ng	96
103)	Benzo[k]fluoranthene	13.531	252	474354	83.55 ng	97
104)	Benzo[a]pyrene	13.841	252	447754	80.75 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.048	276	406138	79.24 ng	81
106)	Dibenzo[a,h]anthracene	15.069	278	340228	79.97 ng	88
107)	Benzo[g,h,i]perylene	15.369	276	333714	77.27 ng	81

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


Abundance
TIC: 5M64603.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M64603.D
Acq On : 02/ 9/11 11:18
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 11:37
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl Alcohol,C
Time-->

Abundance
TIC: 5M64603.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64603.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64602.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 10:54 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	81272	40.00	ng	0.00
29) Naphthalene-d8	6.474	136	324956	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	175060	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	295933	40.00	ng	0.00
88) Chrysene-d12	12.308	240	216440	40.00	ng	0.00
100) Perylene-d12	13.894	264	186309	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	334070	123.09	ng	0.00
Spiked Amount 100.000			Recovery = 123.09%			
15) Phenol-d5	5.170	99	440544	115.27	ng	0.00
Spiked Amount 100.000			Recovery = 115.27%			
30) Nitrobenzene-d5	5.913	128	87912	60.09	ng	0.00
Spiked Amount 50.000			Recovery = 120.18%			
52) 2-Fluorobiphenyl	7.291	172	329862	61.13	ng	0.00
Spiked Amount 50.000			Recovery = 122.26%			
77) 2,4,6-Tribromophenol	8.579	330	52063	128.55	ng	0.00
Spiked Amount 100.000			Recovery = 128.55%			
91) Terphenyl-d14	11.073	244	271447	62.26	ng	0.00
Spiked Amount 50.000			Recovery = 124.52%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	450310	119.90	ng	87
9) N-Nitrosodimethylamine	2.398	74	270213	120.21	ng	87
11) Benzaldehyde	5.063	77	178857	72.79	ng	85
12) Aniline	5.165	93	522146	128.76	ng	81
13) Pentachloroethane	5.202	117	119443	122.47	ng	93
14) bis(2-Chloroethyl)ether	5.234	93	374141	119.55	ng	90
16) Phenol	5.181	94	524372	119.80	ng	94
17) 2-Chlorophenol	5.277	128	352159	120.76	ng	90
18) N-Decane	5.325	57	463147	114.21	ng	92
19) 1,3-Dichlorobenzene	5.400	146	357089	118.05	ng	98
20) 1,4-Dichlorobenzene	5.464	146	351407	115.16	ng	96
21) 1,2-Dichlorobenzene	5.587	146	335096	118.90	ng	98
22) Benzyl alcohol	5.582	108	242226	122.21	ng	80
23) bis(2-chloroisopropyl)...	5.689	45	572050	111.69	ng	95
24) 2-Methylphenol	5.689	108	324873	116.25	ng	95
25) Acetophenone	5.795	105	520941	115.32	ng	66
26) Hexachloroethane	5.870	117	152216	120.83	ng	91
27) N-Nitroso-di-n-propyla...	5.801	70	273969	115.83	ng	80
28) 3&4-Methylphenol	5.817	108	376189	120.66	ng	98
31) Nitrobenzene	5.929	77	443336	118.68	ng	89
32) Isophorone	6.121	82	781606	117.57	ng	96
33) 2-Nitrophenol	6.180	139	186923	120.84	ng	89
34) 2,4-Dimethylphenol	6.228	107	372831	119.44	ng	96
35) Benzoic Acid	6.335	105	279362m	165.34	ng	
36) bis(2-Chloroethoxy)met...	6.292	93	450857	118.87	ng	98
37) 2,4-Dichlorophenol	6.378	162	269853	123.69	ng	91
38) 1,2,4-Trichlorobenzene	6.426	180	279375	118.13	ng	98
39) Naphthalene	6.490	128	1000007	116.15	ng	100
40) 4-Chloroaniline	6.527	127	345376	131.92	ng	99
41) Hexachlorobutadiene	6.581	225	119314	114.26	ng	97
42) Caprolactam	6.826	113	129199	124.54	ng	69
43) 4-Chloro-3-methylphenol	6.907	107	338619	121.42	ng	95
44) 2-Methylnaphthalene	7.008	142	605109	113.99	ng	98
45) Methylnaphthalenes (To...	7.008	142	605109	113.99	ng	98
46) 1,1'-Biphenyl	7.371	154	766228	113.52	ng	98
48) 1,2,4,5-Tetrachloroben...	7.136	216	245280	118.53	ng	98
49) Hexachlorocyclopentadiene	7.126	237	117599	138.88	ng	95
50) 2,4,6-Trichlorophenol	7.232	196	170586	124.97	ng	99
51) 2,4,5-Trichlorophenol	7.275	196	186588	123.53	ng	97
53) 2-Chloronaphthalene	7.393	162	560519	117.48	ng	96
54) 1,4-Dimethylnaphthalene	7.665	156	419778	112.68	ng	99
55) Dimethylnaphthalenes (...	7.665	156	419778	112.68	ng	99
56) Diphenyl Ether	7.457	170	415152	112.83	ng	89
57) 2-Nitroaniline	7.473	65	312308	121.14	ng	85
58) Coumarin	7.654	146	230687	111.92	ng	91
59) Acenaphthylene	7.735	152	952941	118.19	ng	99
60) Dimethylphthalate	7.622	163	648217	117.58	ng	100
61) 2,6-Dinitrotoluene	7.676	165	144530	121.45	ng	74
62) Acenaphthene	7.884	153	582852	115.56	ng	98
63) 3-Nitroaniline	7.820	138	168112	128.42	ng	39
64) 2,4-Dinitrophenol	7.911	184	82674	139.90	ng	80
65) Dibenzofuran	8.034	168	780328	113.71	ng	97

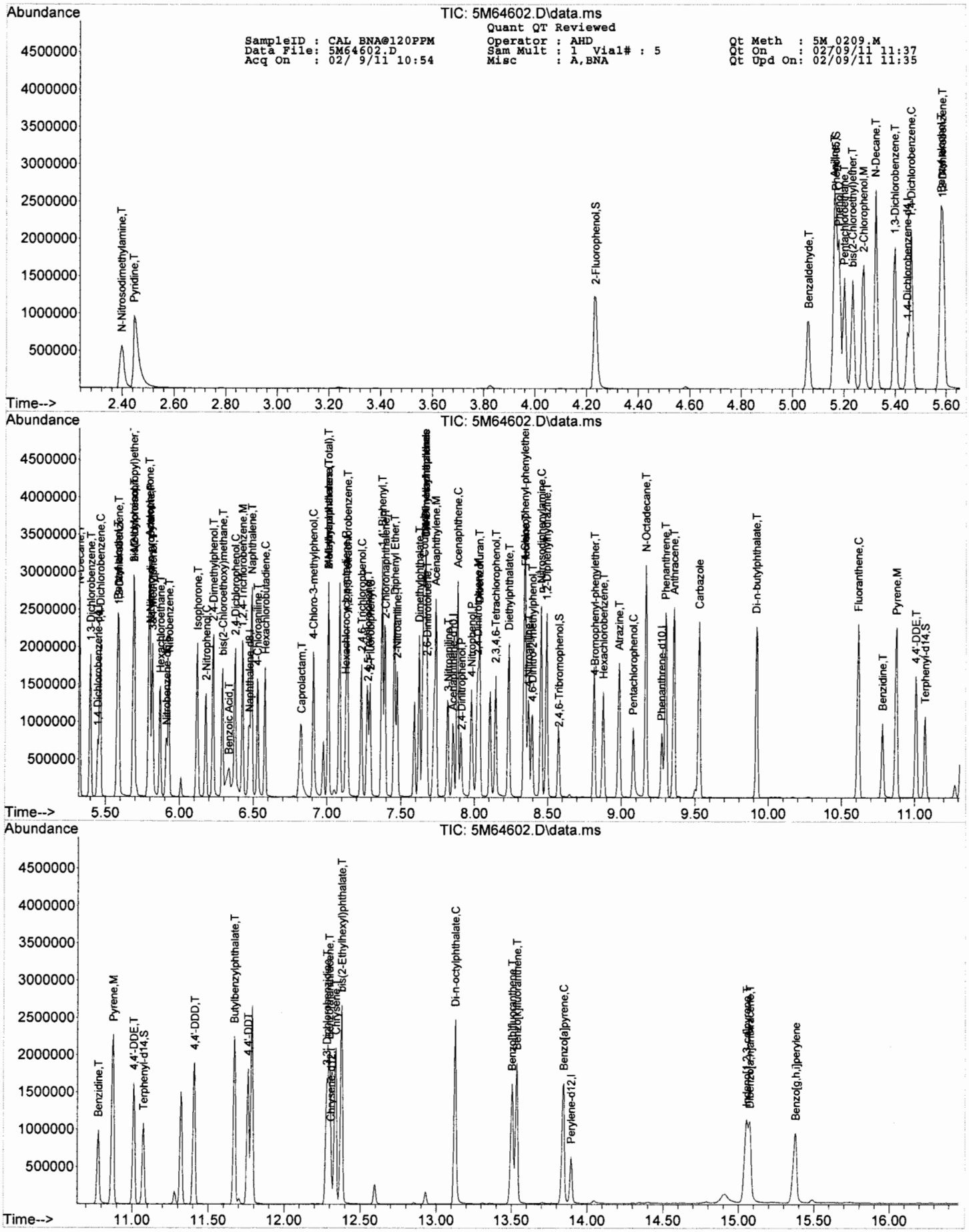
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64602.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 10:54 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.023	165	207127	128.87 ng	84
67)	4-Nitrophenol	7.980	65	186119	121.23 ng	93
68)	2,3,4,6-Tetrachlorophenol	8.146	232	133433	128.67 ng	97
69)	Fluorene	8.349	166	580227	110.24 ng	100
70)	4-Chlorophenyl-phenyle...	8.344	204	234152	110.67 ng	99
71)	Diethylphthalate	8.237	149	690961	118.58 ng	99
72)	4-Nitroaniline	8.370	138	204123	124.61 ng	93
73)	Atrazine	8.985	200	174947	120.39 ng	99
75)	4,6-Dinitro-2-methylph...	8.397	198	113408	144.05 ng	40
76)	n-Nitrosodiphenylamine	8.456	169	535789	114.56 ng	99
78)	1,2-Diphenylhydrazine	8.493	77	939838	117.96 ng	98
79)	4-Bromophenyl-phenylether	8.819	248	132620	121.68 ng	98
80)	Hexachlorobenzene	8.878	284	123689	115.39 ng	96
81)	N-Octadecane	9.166	57	598683	114.84 ng	89
82)	Pentachlorophenol	9.081	266	78461	136.77 ng	99
83)	Phenanthrene	9.300	178	908954	115.75 ng	99
84)	Anthracene	9.359	178	932304	116.96 ng	99
85)	Carbazole	9.530	167	920927	117.29 ng	99
86)	Di-n-butylphthalate	9.920	149	1193552	120.36 ng	99
87)	Fluoranthene	10.614	202	920073	118.03 ng	94
89)	Pyrene	10.876	202	943960	121.68 ng	99
90)	Benzidine	10.780	184	337959	111.14 ng	96
92)	4,4'-DDE	11.009	246	157757	125.28 ng	90
93)	4,4'-DDD	11.410	235	312987	123.92 ng	82
94)	Butylbenzylphthalate	11.672	149	523015	126.00 ng	91
95)	4,4'-DDT	11.763	235	264246	127.39 ng	82
96)	3,3'-Dichlorobenzidine	12.281	252	186785	132.68 ng	99
97)	Benzo[a]anthracene	12.297	228	735847	118.65 ng	99
98)	Chrysene	12.340	228	715095	118.57 ng	98
99)	bis(2-Ethylhexyl)phtha...	12.377	149	736255	129.86 ng	99
101)	Di-n-octylphthalate	13.125	149	1227692	133.20 ng	100
102)	Benzo[b]fluoranthene	13.504	252	663278	121.95 ng	96
103)	Benzo[k]fluoranthene	13.536	252	627809	121.21 ng	98
104)	Benzo[a]pyrene	13.846	252	624739	123.51 ng	99
105)	Indeno[1,2,3-cd]pyrene	15.053	276	564558	120.73 ng	78
106)	Dibenzo[a,h]anthracene	15.075	278	473545	122.01 ng	92
107)	Benzo[g,h,i]perylene	15.379	276	470758	119.48 ng	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M64602.D
Acq On : 02/ 9/11 10:54
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 11:37
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d6,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64602.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
2,4,6-Trichlorophenol,C
Naphthalene,M
Benzoic Acid,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Fluorene,M
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64602.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64601.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:36
Acq On : 02/ 9/11 10:30 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	76994	40.00	ng	0.00
29) Naphthalene-d8	6.474	136	298219	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	159304	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	261393	40.00	ng	0.00
88) Chrysene-d12	12.307	240	202981	40.00	ng	0.00
100) Perylene-d12	13.899	264	175489	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	417811	162.49	ng	0.00
Spiked Amount 100.000			Recovery = 162.49%			
15) Phenol-d5	5.170	99	533835	147.45	ng	0.00
Spiked Amount 100.000			Recovery = 147.45%			
30) Nitrobenzene-d5	5.913	128	108414	80.75	ng	0.00
Spiked Amount 50.000			Recovery = 161.50%			
52) 2-Fluorobiphenyl	7.291	172	393676	80.18	ng	0.00
Spiked Amount 50.000			Recovery = 160.36%			
77) 2,4,6-Tribromophenol	8.579	330	63140	176.50	ng	0.00
Spiked Amount 100.000			Recovery = 176.50%			
91) Terphenyl-d14	11.073	244	327057	79.99	ng	0.00
Spiked Amount 50.000			Recovery = 159.98%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	590643	166.00	ng	86
9) N-Nitrosodimethylamine	2.398	74	342674	160.92	ng	86
11) Benzaldehyde	5.063	77	163940	70.42	ng	85
12) Aniline	5.165	93	626259	163.02	ng	53
13) Pentachloroethane	5.202	117	145687	157.67	ng	94
14) bis(2-Chloroethyl)ether	5.240	93	449182	151.50	ng	88
16) Phenol	5.186	94	639966	154.34	ng	90
17) 2-Chlorophenol	5.277	128	431055	156.03	ng	91
18) N-Decane	5.325	57	556493	144.86	ng	92
19) 1,3-Dichlorobenzene	5.400	146	432569	150.95	ng	97
20) 1,4-Dichlorobenzene	5.464	146	438776	151.78	ng	98
21) 1,2-Dichlorobenzene	5.592	146	397870	149.02	ng	98
22) Benzyl alcohol	5.582	108	289646	154.25	ng	84
23) bis(2-chloroisopropyl)...	5.688	45	662849	136.61	ng	95
24) 2-Methylphenol	5.694	108	395889	149.53	ng	95
25) Acetophenone	5.795	105	621232	145.16	ng	69
26) Hexachloroethane	5.870	117	185439	155.39	ng	95
27) N-Nitroso-di-n-propyla...	5.801	70	321023	143.27	ng	80
28) 3&4-Methylphenol	5.817	108	471302	159.57	ng	97
31) Nitrobenzene	5.929	77	542020	158.10	ng	91
32) Isophorone	6.121	82	980615	160.73	ng	98
33) 2-Nitrophenol	6.180	139	238981	168.34	ng	88
34) 2,4-Dimethylphenol	6.228	107	455386	158.96	ng	95
35) Benzoic Acid	6.346	105	366152m	236.14	ng	
36) bis(2-Chloroethoxy)met...	6.292	93	537892	154.54	ng	99
37) 2,4-Dichlorophenol	6.378	162	316217	157.94	ng	93
38) 1,2,4-Trichlorobenzene	6.431	180	337347	155.43	ng	99
39) Naphthalene	6.490	128	1176107	148.85	ng	99
40) 4-Chloroaniline	6.532	127	381329	158.71	ng	98
41) Hexachlorobutadiene	6.581	225	146065	152.42	ng	96
42) Caprolactam	6.832	113	157224	165.14	ng	67
43) 4-Chloro-3-methylphenol	6.912	107	414433	161.92	ng	93
44) 2-Methylnaphthalene	7.008	142	729815	149.81	ng	99
45) Methylnaphthalenes (To...	7.008	142	729815	149.81	ng	99
46) 1,1'-Biphenyl	7.371	154	912261	147.27	ng	98
48) 1,2,4,5-Tetrachloroben...	7.141	216	287034	152.43	ng	99
49) Hexachlorocyclopentadiene	7.131	237	143131	185.75	ng	95
50) 2,4,6-Trichlorophenol	7.232	196	204608	164.73	ng	98
51) 2,4,5-Trichlorophenol	7.275	196	230691	167.83	ng	96
53) 2-Chloronaphthalene	7.393	162	676444	155.80	ng	98
54) 1,4-Dimethylnaphthalene	7.665	156	479583	141.47	ng	100
55) Dimethylnaphthalenes (...	7.665	156	479583	141.47	ng	100
56) Diphenyl Ether	7.457	170	493790	147.48	ng	93
57) 2-Nitroaniline	7.478	65	376236	160.37	ng	78
58) Coumarin	7.654	146	273591	145.87	ng	93
59) Acenaphthylene	7.740	152	1131670	154.24	ng	100
60) Dimethylphthalate	7.628	163	782812	156.03	ng	100
61) 2,6-Dinitrotoluene	7.676	165	171222	158.11	ng	83
62) Acenaphthene	7.884	153	699254	152.35	ng	96
63) 3-Nitroaniline	7.820	138	194196	163.02	ng	38
64) 2,4-Dinitrophenol	7.911	184	112423	209.05	ng	80
65) Dibenzofuran	8.039	168	940127	150.54	ng	93

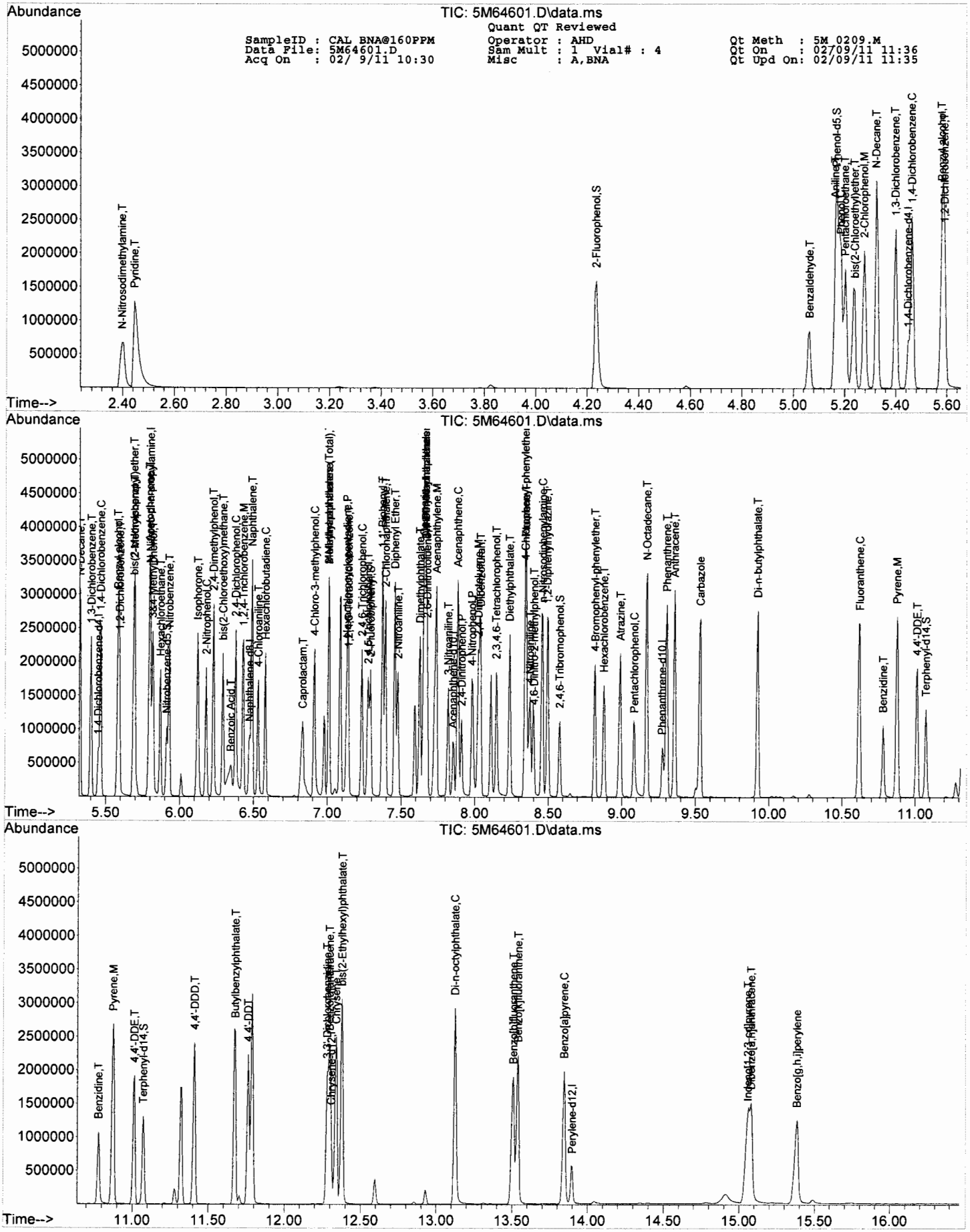
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64601.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:36
Acq On : 02/ 9/11 10:30 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.023	165	245990	168.18	ng	95
67) 4-Nitrophenol	7.980	65	227364	162.75	ng	96
68) 2,3,4,6-Tetrachlorophenol	8.146	232	163767	173.54	ng	98
69) Fluorene	8.349	166	692854	144.65	ng	98
70) 4-Chlorophenyl-phenyle...	8.344	204	281379	146.14	ng	95
71) Diethylphthalate	8.237	149	829859	156.51	ng	98
72) 4-Nitroaniline	8.376	138	255261	171.24	ng	94
73) Atrazine	8.990	200	213114	161.16	ng	98
75) 4,6-Dinitro-2-methylph...	8.402	198	141344	203.25	ng	45
76) n-Nitrosodiphenylamine	8.461	169	648364	156.95	ng	99
78) 1,2-Diphenylhydrazine	8.493	77	1107165	157.33	ng	99
79) 4-Bromophenyl-phenylether	8.819	248	155613	161.65	ng	94
80) Hexachlorobenzene	8.878	284	149774	158.18	ng	97
81) N-Octadecane	9.172	57	701457	152.33	ng	88
82) Pentachlorophenol	9.086	266	96452	190.35	ng	96
83) Phenanthrene	9.305	178	1073879	154.83	ng	99
84) Anthracene	9.359	178	1097719	155.91	ng	99
85) Carbazole	9.535	167	1107226	159.65	ng	98
86) Di-n-butylphthalate	9.925	149	1432051	163.49	ng	98
87) Fluoranthene	10.619	202	1113613	161.73	ng	98
89) Pyrene	10.876	202	1133571	155.81	ng	99
90) Benzidine	10.780	184	363970	127.63	ng	98
92) 4,4'-DDE	11.015	246	191661	162.29	ng	89
93) 4,4'-DDD	11.410	235	372407	157.22	ng	81
94) Butylbenzylphthalate	11.677	149	647329	166.29	ng	97
95) 4,4'-DDT	11.763	235	327373	168.29	ng	82
96) 3,3'-Dichlorobenzidine	12.281	252	219179	166.01	ng	97
97) Benzo[a]anthracene	12.297	228	912797	156.95	ng	99
98) Chrysene	12.339	228	901455	159.38	ng	99
99) bis(2-Ethylhexyl)phtha...	12.377	149	885159	166.47	ng	100
101) Di-n-octylphthalate	13.125	149	1547362	178.24	ng	99
102) Benzo[b]fluoranthene	13.509	252	834375	162.86	ng	98
103) Benzo[k]fluoranthene	13.542	252	830881	170.31	ng	99
104) Benzo[a]pyrene	13.846	252	810244	170.06	ng	98
105) Indeno[1,2,3-cd]pyrene	15.059	276	763859	173.43	ng	78
106) Dibenzo[a,h]anthracene	15.080	278	634624	173.60	ng	91
107) Benzo[g,h,i]perylene	15.385	276	649621	175.05	ng	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M64601.D
Acq On : 02/ 9/11 10:30
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 11:36
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline-d5,S
Phenol-d5,S
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64601.D\data.ms
Time-->

Abundance
TIC: 5M64601.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64600.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:35
Acq On : 02/ 9/11 10:07 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	79900	40.00	ng	0.00
29) Naphthalene-d8	6.474	136	327096	40.00	ng	0.00
47) Acenaphthene-d10	7.858	164	173104	40.00	ng	0.00
74) Phenanthrene-d10	9.279	188	284206	40.00	ng	0.00
88) Chrysene-d12	12.313	240	208534	40.00	ng	0.01
100) Perylene-d12	13.900	264	175023	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	528774	198.17	ng	0.00
Spiked Amount 100.000			Recovery = 198.17%			
15) Phenol-d5	5.176	99	643950	171.39	ng	0.00
Spiked Amount 100.000			Recovery = 171.39%			
30) Nitrobenzene-d5	5.913	128	139848	94.97	ng	0.00
Spiked Amount 50.000			Recovery = 189.94%			
52) 2-Fluorobiphenyl	7.291	172	502027	94.09	ng	0.00
Spiked Amount 50.000			Recovery = 188.18%			
77) 2,4,6-Tribromophenol	8.579	330	79082	203.31	ng	0.00
Spiked Amount 100.000			Recovery = 203.31%			
91) Terphenyl-d14	11.074	244	418052	99.52	ng	0.00
Spiked Amount 50.000			Recovery = 199.04%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	736637	199.51	ng	85
9) N-Nitrosodimethylamine	2.403	74	425679	192.62	ng	86
11) Benzaldehyde	5.064	77	167029	69.14	ng	85
12) Aniline	5.165	93	777808	195.10	ng	50
13) Pentachloroethane	5.202	117	179419	187.12	ng	92
14) bis(2-Chloroethyl)ether	5.240	93	566174	184.01	ng	91
16) Phenol	5.186	94	784319	182.27	ng	95
17) 2-Chlorophenol	5.277	128	547470	190.96	ng	92
18) N-Decane	5.325	57	661456	165.92	ng	91
19) 1,3-Dichlorobenzene	5.400	146	532707	179.13	ng	98
20) 1,4-Dichlorobenzene	5.464	146	531849	177.29	ng	98
21) 1,2-Dichlorobenzene	5.592	146	470404	169.78	ng	98
22) Benzyl alcohol	5.582	108	349211	179.21	ng	84
23) bis(2-chloroisopropyl)...	5.689	45	781197	155.15	ng	93
24) 2-Methylphenol	5.694	108	479776	174.63	ng	96
25) Acetophenone	5.795	105	753175	169.59	ng	70
26) Hexachloroethane	5.870	117	230524	186.14	ng	97
27) N-Nitroso-di-n-propyla...	5.806	70	386780	166.34	ng	78
28) 3&4-Methylphenol	5.822	108	558893	182.35	ng	98
31) Nitrobenzene	5.929	77	680293	180.92	ng	93
32) Isophorone	6.127	82	1233479	184.33	ng	96
33) 2-Nitrophenol	6.180	139	297931	191.34	ng	87
34) 2,4-Dimethylphenol	6.228	107	559080	177.93	ng	94
35) Benzoic Acid	6.362	105	472688m	277.93	ng	
36) bis(2-Chloroethoxy)met...	6.292	93	685110	179.45	ng	100
37) 2,4-Dichlorophenol	6.378	162	395066	179.90	ng	95
38) 1,2,4-Trichlorobenzene	6.431	180	413529	173.71	ng	99
39) Naphthalene	6.490	128	1466636	169.24	ng	100
40) 4-Chloroaniline	6.533	127	443205	168.17	ng	99
41) Hexachlorobutadiene	6.581	225	184256	175.30	ng	96
42) Caprolactam	6.842	113	201729	193.18	ng	68
43) 4-Chloro-3-methylphenol	6.912	107	529372	188.57	ng	95
44) 2-Methylnaphthalene	7.008	142	877175	164.16	ng	100
45) Methylnaphthalenes (To...	7.008	142	877175	164.16	ng	100
46) 1,1'-Biphenyl	7.377	154	1106901	162.92	ng	96
48) 1,2,4,5-Tetrachloroben...	7.142	216	352417	172.23	ng	99
49) Hexachlorocyclopentadiene	7.131	237	182080	217.46	ng	93
50) 2,4,6-Trichlorophenol	7.232	196	259925	192.58	ng	98
51) 2,4,5-Trichlorophenol	7.275	196	292803	196.04	ng	97
53) 2-Chloronaphthalene	7.393	162	848140	179.78	ng	98
54) 1,4-Dimethylnaphthalene	7.671	156	570979	155.00	ng	98
55) Dimethylnaphthalenes (...	7.671	156	570979	155.00	ng	98
56) Diphenyl Ether	7.457	170	624717	171.70	ng	95
57) 2-Nitroaniline	7.478	65	487393	191.19	ng	83
58) Coumarin	7.660	146	325613	159.76	ng	96
59) Acenaphthylene	7.740	152	1371136	171.98	ng	100
60) Dimethylphthalate	7.628	163	995306	182.57	ng	99
61) 2,6-Dinitrotoluene	7.681	165	223764	190.16	ng	76
62) Acenaphthene	7.890	153	855553	171.54	ng	96
63) 3-Nitroaniline	7.825	138	242436	187.30	ng	40
64) 2,4-Dinitrophenol	7.916	184	145540	249.06	ng	92
65) Dibenzofuran	8.039	168	1142047	168.30	ng	97

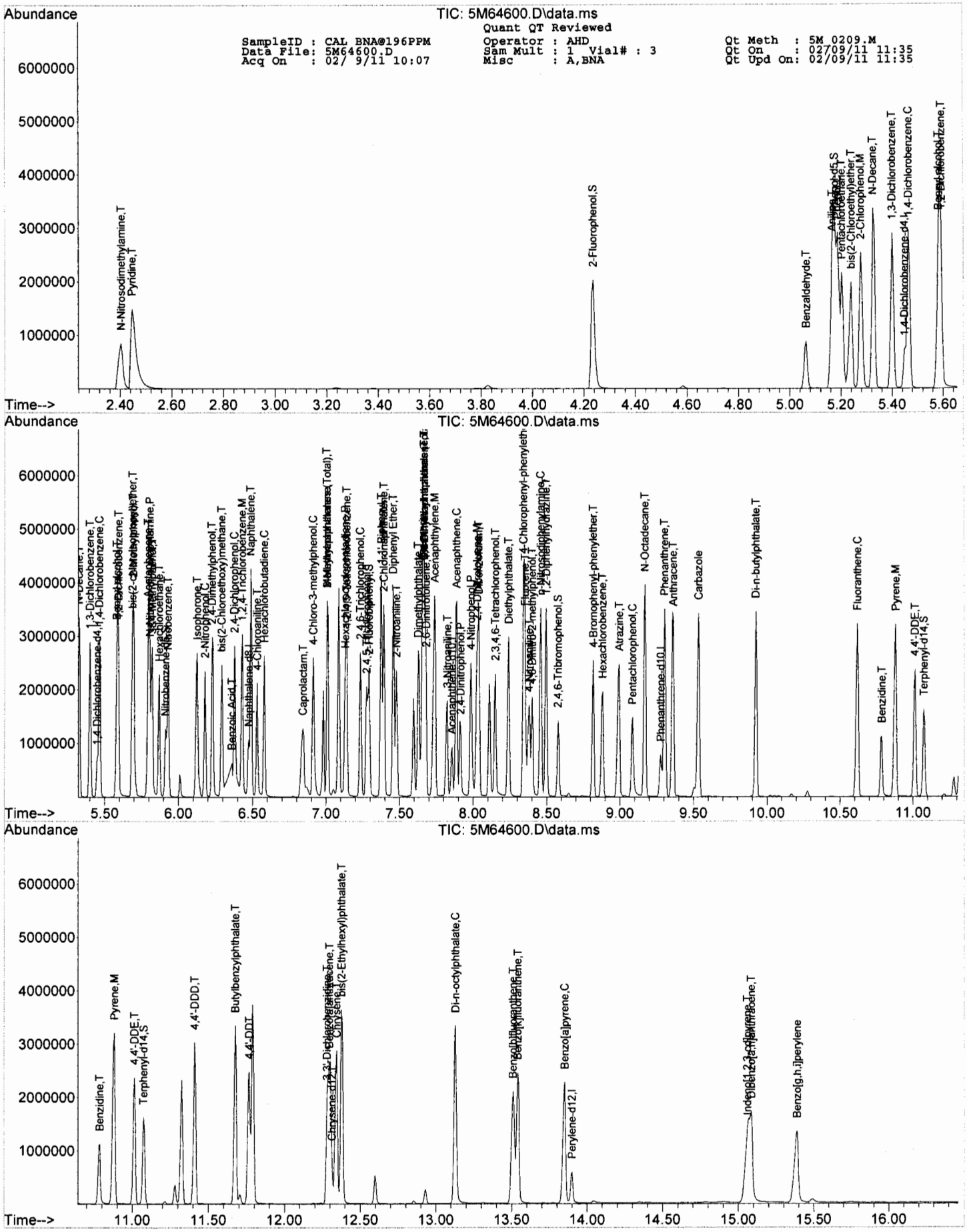
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64600.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:35
Acq On : 02/ 9/11 10:07 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.028	165	300734	189.22 ng	95
67)	4-Nitrophenol	7.986	65	299162	197.07 ng	92
68)	2,3,4,6-Tetrachlorophenol	8.151	232	208661	203.48 ng	97
69)	Fluorene	8.354	166	847257	162.79 ng	98
70)	4-Chlorophenyl-phenyle...	8.344	204	351620	168.06 ng	95
71)	Diethylphthalate	8.242	149	1042018	180.85 ng	98
72)	4-Nitroaniline	8.381	138	322036	198.81 ng	96
73)	Atrazine	8.995	200	271825	189.17 ng	99
75)	4,6-Dinitro-2-methylph...	8.402	198	181725	240.34 ng	29
76)	n-Nitrosodiphenylamine	8.461	169	806962	179.66 ng	97
78)	1,2-Diphenylhydrazine	8.499	77	1422101	185.86 ng	97
79)	4-Bromophenyl-phenylether	8.819	248	196634	187.86 ng	89
80)	Hexachlorobenzene	8.883	284	189113	183.70 ng	93
81)	N-Octadecane	9.172	57	835195	166.81 ng	83
82)	Pentachlorophenol	9.086	266	128303	232.89 ng	98
83)	Phenanthrene	9.305	178	1348207	178.78 ng	100
84)	Anthracene	9.364	178	1395176	182.25 ng	99
85)	Carbazole	9.535	167	1402757	186.02 ng	100
86)	Di-n-butylphthalate	9.925	149	1794278	188.40 ng	100
87)	Fluoranthene	10.619	202	1405847	187.78 ng	98
89)	Pyrene	10.881	202	1445729	193.42 ng	96
90)	Benzidine	10.785	184	410001	139.94 ng	93
92)	4,4'-DDE	11.015	246	238778	196.81 ng	90
93)	4,4'-DDD	11.410	235	468064	192.34 ng	80
94)	Butylbenzylphthalate	11.677	149	810777	202.73 ng	93
95)	4,4'-DDT	11.768	235	402526	201.41 ng	82
96)	3,3'-Dichlorobenzidine	12.281	252	251499	185.42 ng	97
97)	Benzo[a]anthracene	12.297	228	1119766	187.41 ng	99
98)	Chrysene	12.345	228	1081422	186.11 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.377	149	1113025	203.75 ng	98
101)	Di-n-octylphthalate	13.130	149	1887529	218.00 ng	99
102)	Benzo[b]fluoranthene	13.510	252	1028463	201.28 ng	97
103)	Benzo[k]fluoranthene	13.542	252	943212	193.85 ng	99
104)	Benzo[a]pyrene	13.852	252	951789	200.30 ng	99
105)	Indeno[1,2,3-cd]pyrene	15.059	276	877334	199.72 ng	80
106)	Dibenzo[a,h]anthracene	15.086	278	731187	200.54 ng	93
107)	Benzo[g,h,i]perylene	15.390	276	742319	200.56 ng	82

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 5M64600.D
Acq On : 02/ 9/11 10:07
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 11:35
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl Alcohol,T
Time-->
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl Alcohol,T
bis(2-Chloroethyl)ether,T
Nitrobenzene-d5,P
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Diphenyl Ether,T
Dimethylphthalate,T
2,6-Dinitrotoluene,C
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,T
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
N-Nitrosodiphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Abundance
TIC: 5M64600.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine,T
Chrysene-d12,I
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64607.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:54
Acq On : 02/ 9/11 12:53 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.448	152	73826	40.00 ng	0.00
29) Naphthalene-d8	6.468	136	294128	40.00 ng	0.00
47) Acenaphthene-d10	7.847	164	159283	40.00 ng	0.00
74) Phenanthrene-d10	9.273	188	263866	40.00 ng	0.00
88) Chrysene-d12	12.297	240	208275	40.00 ng	0.00
100) Perylene-d12	13.894	264	180886	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D.	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.683	108	1122m	0.44 ng	
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.811	108	1118m	0.39 ng	
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.223	107	1238	0.44 ng	82
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.484	128	4641	0.60 ng	97
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D.	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.028	168	3207	0.51 ng	91

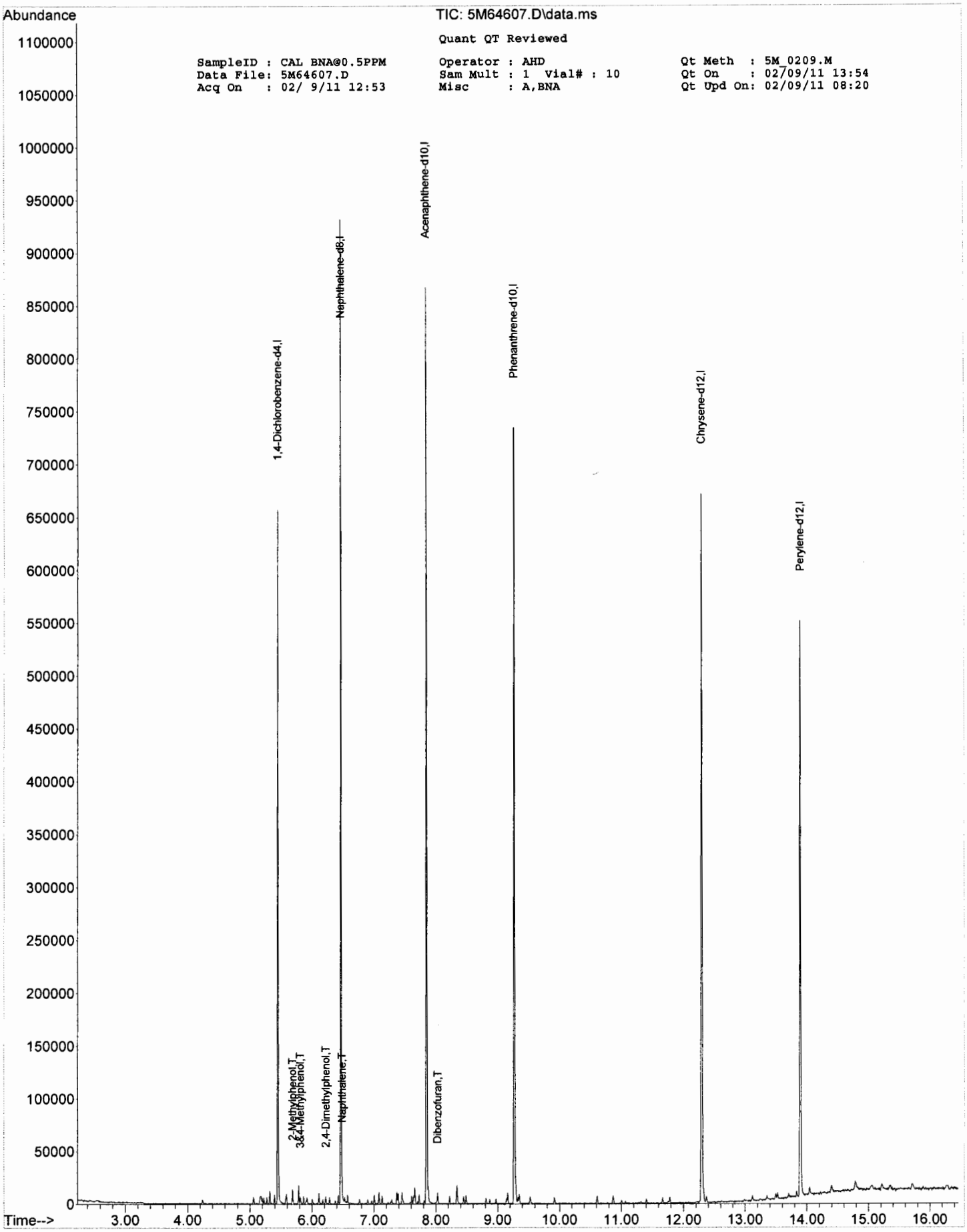
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64607.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:54
Acq On : 02/ 9/11 12:53 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	0.000		0	N.D. d	
67) 4-Nitrophenol	0.000		0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
69) Fluorene	0.000		0	N.D. d	
70) 4-Chlorophenyl-phenyle...	0.000		0	N.D. d	
71) Diethylphthalate	0.000		0	N.D. d	
72) 4-Nitroaniline	0.000		0	N.D. d	
73) Atrazine	0.000		0	N.D. d	
75) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
76) n-Nitrosodiphenylamine	0.000		0	N.D. d	
78) 1,2-Diphenylhydrazine	0.000		0	N.D. d	
79) 4-Bromophenyl-phenylether	0.000		0	N.D. d	
80) Hexachlorobenzene	0.000		0	N.D. d	
81) N-Octadecane	0.000		0	N.D. d	
82) Pentachlorophenol	0.000		0	N.D.	
83) Phenanthrene	0.000		0	N.D. d	
84) Anthracene	0.000		0	N.D. d	
85) Carbazole	0.000		0	N.D. d	
86) Di-n-butylphthalate	0.000		0	N.D. d	
87) Fluoranthene	0.000		0	N.D. d	
89) Pyrene	0.000		0	N.D. d	
90) Benzidine	0.000		0	N.D. d	
92) 4,4'-DDE	0.000		0	N.D. d	
93) 4,4'-DDD	0.000		0	N.D. d	
94) Butylbenzylphthalate	0.000		0	N.D. d	
95) 4,4'-DDT	0.000		0	N.D. d	
96) 3,3'-Dichlorobenzidine	0.000		0	N.D. d	
97) Benzo[a]anthracene	0.000		0	N.D. d	
98) Chrysene	0.000		0	N.D. d	
99) bis(2-Ethylhexyl)phtha...	0.000		0	N.D. d	
101) Di-n-octylphthalate	0.000		0	N.D. d	
102) Benzo[b]fluoranthene	0.000		0	N.D. d	
103) Benzo[k]fluoranthene	0.000		0	N.D. d	
104) Benzo[a]pyrene	0.000		0	N.D. d	
105) Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d	
106) Dibenzo[a,h]anthracene	0.000		0	N.D. d	
107) Benzo[g,h,i]perylene	0.000		0	N.D. d	

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


Abundance
TIC: 5M64607.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 5M64607.D
Acq On : 02/ 9/11 12:53
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 13:54
Qt Upd On: 02/09/11 08:20
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32196.	CAL BNA@50PPM	02/09/11 13:26	2	9M32194.	CAL BNA@2PPM	02/09/11 12:37
3	9M32193.	CAL BNA@10PPM	02/09/11 12:14	4	9M32192.	CAL BNA@20PPM	02/09/11 11:51
5	9M32191.	CAL BNA@80PPM	02/09/11 11:28	6	9M32190.	CAL BNA@120PPM	02/09/11 11:05
7	9M32189.	CAL BNA@160PPM	02/09/11 10:38	8	9M32188.	CAL BNA@196PPM	02/09/11 10:15
9	9M32195.	CAL BNA@0.5PPM	02/09/11 13:00				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Qua	1.6953	0.8275	1.3913	1.4005	1.5510	1.5826	1.6276	1.6333	----	1.46	2.64	0.999	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0237	0.6965	0.8849	0.8719	0.9595	0.9939	1.0092	1.0029	----	0.930	2.58	0.998	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3777	1.0545	1.2276	1.2401	1.3362	1.3716	1.4110	1.3939	----	1.30	4.32	1.00	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.9784	0.9943	1.0669	1.0000	0.8642	0.6247	0.4807	0.3699	----	0.797	5.17	0.779	0.993	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.4561	1.5321	1.8140	2.0001	2.2871	2.1649	2.2519	2.1766	----	2.09	5.27	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4709	0.4240	0.4622	0.4478	0.4442	0.4445	0.4579	0.4395	----	0.449	5.32	0.999	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5466	1.4973	1.5311	1.4466	1.4343	1.3924	1.4466	1.3870	----	1.46	5.34	0.999	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.9712	1.6226	1.8290	1.7644	1.8675	1.8267	1.9083	1.8513	----	1.83	5.25	0.999	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1849	1.8588	2.0329	1.9718	2.0545	1.9508	2.0712	1.9989	----	2.02	5.26	0.999	0.999	4.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5527	1.3572	1.4744	1.4407	1.4527	1.4427	1.5061	1.4460	----	1.46	5.38	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.8915	1.7736	1.8566	1.8122	1.7112	1.6950	1.7307	1.6604	----	1.77	5.44	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5913	1.5573	1.5652	1.5187	1.4681	1.4509	1.4958	1.4430	----	1.51	5.51	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5938	1.6046	1.5854	1.5307	1.4895	1.4786	1.5074	1.4631	----	1.53	5.57	0.999	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5152	1.4669	1.5317	1.4379	1.3988	1.3801	1.4132	1.3703	----	1.44	5.70	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0582	0.9381	1.0139	0.9678	1.0063	0.9787	1.0242	0.9917	----	0.997	5.68	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.2342	2.1916	2.2194	2.1006	2.0674	1.9834	2.0511	1.9749	----	2.10	5.80	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4577	1.2762	1.4291	1.3346	1.3551	1.3352	1.3888	1.3549	1.2168	1.35	5.77	0.999	0.999	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2531	2.2039	2.2826	2.1446	2.0981	2.0130	2.0960	2.0329	----	2.14	5.90	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5843	0.5498	0.5664	0.5522	0.5530	0.5583	0.5672	0.5499	----	0.560	5.98	0.999	1.00	2.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1731	1.0594	1.1821	1.0969	1.0840	1.0213	1.0676	1.0438	----	1.09	5.90	0.999	0.999	5.3	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.5043	1.3318	1.5255	1.4130	1.4017	1.3250	1.3878	1.3389	1.2505	1.39	5.90	0.999	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1708	0.1488	0.1590	0.1637	0.1659	0.1768	0.1774	0.1728	----	0.167	6.02	0.999	0.999	5.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3897	0.3207	0.3705	0.3719	0.3629	0.3685	0.3760	0.3634	----	0.366	6.03	0.999	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7626	0.6778	0.7301	0.7049	0.7069	0.7290	0.7430	0.7235	----	0.722	6.22	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1752	0.1164	0.1500	0.1602	0.1765	0.1864	0.1872	0.1792	----	0.166	6.28	0.999	0.999	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3795	0.3095	0.3612	0.3580	0.3533	0.3523	0.3681	0.3542	0.2877	0.347	6.32	0.999	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2346	-----	0.1316	0.1756	0.2669	0.2609	0.3064	0.2775	----	0.236	6.40	0.995	0.995	26		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4609	0.4110	0.4482	0.4380	0.4248	0.4239	0.4339	0.4169	----	0.432	6.39	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2879	0.2289	0.2707	0.2689	0.2752	0.2767	0.2836	0.2723	----	0.271	6.47	0.999	0.999	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3005	0.2935	0.2971	0.2895	0.2803	0.2872	0.2899	0.2801	----	0.290	6.53	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1432	1.1135	1.1274	1.1145	1.0551	1.0343	1.0740	1.0248	1.1809	1.10	6.60	0.999	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4450	0.2983	0.3383	0.3769	0.3795	0.3203	0.3076	0.2638	----	0.341	6.63	0.969	0.996	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1338	0.1312	0.1343	0.1301	0.1269	0.1319	0.1343	0.1287	----	0.131	6.69	0.999	0.999	2.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1509	0.1138	0.1368	0.1359	0.1448	0.1198	0.1301	0.1270	----	0.132	6.92	0.994	0.996	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3423	0.2786	0.3086	0.3116	0.3243	0.3177	0.3358	0.3277	----	0.318	6.99	0.999	0.999	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7301	0.6724	0.7131	0.6940	0.6843	0.6636	0.6926	0.6602	----	0.689	7.11	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7301	0.6724	0.7131	0.6940	0.6843	0.6636	0.6926	0.6602	----	0.689	7.11	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9619	0.8944	0.9412	0.9205	0.9002	0.8662	0.9126	0.8705	----	0.908	7.48	0.998	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4993	0.4875	0.4862	0.4901	0.4673	0.4719	0.4686	0.4492	----	0.478	7.25	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	LinF	0.2206	0.0992	0.1710	0.1922	0.2273	0.2517	0.2463	0.2409	----	0.206	7.24	0.998	0.998	25	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3218	0.2561	0.2822	0.3083	0.3049	0.3232	0.3253	0.3143	----	0.305	7.33	0.999	0.999	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.47

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0174

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32196.	CAL BNA@50PPM	02/09/11 13:26	2	9M32194.	CAL BNA@2PPM	02/09/11 12:37
3	9M32193.	CAL BNA@10PPM	02/09/11 12:14	4	9M32192.	CAL BNA@20PPM	02/09/11 11:51
5	9M32191.	CAL BNA@80PPM	02/09/11 11:28	6	9M32190.	CAL BNA@120PPM	02/09/11 11:05
7	9M32189.	CAL BNA@160PPM	02/09/11 10:38	8	9M32188.	CAL BNA@196PPM	02/09/11 10:15
9	9M32195.	CAL BNA@0.5PPM	02/09/11 13:00				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2,4,5-Trichlorophenol	1	0	Avg	0.3429	0.2211	0.3362	0.3127	0.3250	0.3281	0.3324	0.3295	----	0.316	7.37	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3317	1.2315	1.3300	1.2781	1.2361	1.2557	1.2564	1.2318	----	1.27	7.40	1.00	1.00	3.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1634	1.1364	1.1560	1.1320	1.0662	1.0642	1.0740	1.0434	----	1.10	7.50	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalei	1	0	Avg	1.0018	0.9459	1.0118	0.9786	0.9022	0.8799	0.8911	0.8514	----	0.933	7.78	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.0018	0.9459	1.0118	0.9786	0.9022	0.8799	0.8911	0.8514	----	0.933	7.78	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9491	0.9222	0.9347	0.9200	0.8675	0.8807	0.8748	0.8517	----	0.900	7.57	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4540	0.3141	0.4129	0.4177	0.4248	0.4249	0.4283	0.4194	----	0.412	7.58	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5311	0.4725	0.5363	0.5173	0.4802	0.4617	0.4775	0.4586	----	0.492	7.76	0.998	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9959	1.7794	1.9753	1.9134	1.8277	1.7987	1.8327	1.7794	----	1.86	7.85	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3565	1.2630	1.3618	1.3225	1.2600	1.2718	1.2866	1.2581	----	1.30	7.73	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrotoluene	1	0	Avg	0.2887	0.1763	0.2694	0.2735	0.2724	0.2761	0.2772	0.2703	----	0.263	7.78	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2481	1.1994	1.2536	1.2143	1.1509	1.1449	1.1667	1.1337	----	1.19	8.00	0.999	0.999	3.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3588	0.2218	0.3075	0.3145	0.3227	0.3034	0.2979	0.2895	----	0.302	7.92	0.996	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.0706	----	0.0364	0.0557	0.0968	0.1174	0.1207	0.1244	----	0.0889	8.01	0.987	0.996	39	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6947	1.6265	1.6954	1.6497	1.5650	1.5233	1.5615	1.5107	1.6920	1.61	8.15	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2,4-Dinitrotoluene	1	0	LinF	0.3775	0.1850	0.2988	0.3304	0.3706	0.3772	0.3859	0.3790	----	0.338	8.13	1.00	1.00	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	LinF	0.2620	0.1260	0.2239	0.2285	0.2547	0.2552	0.2701	0.2688	----	0.236	8.05	0.999	0.999	20	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophe	1	0	Avg	0.2523	0.1614	0.2409	0.2286	0.2419	0.2430	0.2479	0.2459	----	0.233	8.25	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4115	1.3276	1.3898	1.3611	1.3084	1.2727	1.3119	1.2719	----	1.33	8.46	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5773	0.5519	0.5803	0.5582	0.5361	0.5461	0.5480	0.5314	----	0.554	8.46	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3706	1.2159	1.3490	1.2985	1.2824	1.2716	1.2984	1.2703	----	1.29	8.35	1.00	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3969	0.2532	0.3568	0.3668	0.3738	0.3679	0.3889	0.3837	----	0.361	8.47	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3826	0.2947	0.3530	0.3567	0.3649	0.3621	0.3733	0.3673	----	0.357	9.10	1.00	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphe	1	0	Qua	0.0727	0.0069	0.0366	0.0533	0.0896	0.1025	0.1065	0.1058	----	0.0718	8.51	0.985	0.996	51		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7310	0.6464	0.7068	0.7147	0.6859	0.6861	0.6908	0.6565	----	0.690	8.57	0.998	0.999	4.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Tribromophenol	1	0	LinF	0.0540	0.0334	0.0441	0.0478	0.0524	0.0552	0.0549	0.0537	----	0.0495	8.69	0.999	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Diphenylhydrazine	1	0	Avg	0.9194	0.8256	0.9097	0.8853	0.8483	0.8435	0.8546	0.8204	----	0.863	8.61	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1641	0.1524	0.1589	0.1571	0.1571	0.1663	0.1633	0.1572	----	0.160	8.93	0.999	0.999	2.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1465	0.1480	0.1448	0.1393	0.1404	0.1460	0.1441	0.1388	----	0.144	9.00	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7097	0.5361	0.6490	0.6529	0.6470	0.6370	0.6426	0.6046	----	0.635	9.28	0.997	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0923	----	0.0604	0.0731	0.0970	0.1022	0.1068	0.1013	----	0.0905	9.19	0.999	0.999	19	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1349	1.1503	1.1281	1.1088	1.0552	1.0501	1.0727	1.0226	----	1.09	9.42	0.999	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1560	1.0793	1.1397	1.1202	1.0891	1.0776	1.1023	1.0511	----	1.10	9.47	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1822	1.0441	1.1332	1.1310	1.1083	1.0895	1.1260	1.0807	----	1.11	9.64	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4104	1.0662	1.2557	1.2897	1.3406	1.3523	1.3826	1.3191	----	1.30	10.04	0.999	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1817	1.0049	1.0875	1.0937	1.1184	1.1217	1.1414	1.0994	----	1.11	10.73	0.999	0.999	4.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.4649	1.2596	1.3772	1.3736	1.3692	1.4381	1.4309	1.3744	----	1.39	10.99	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6382	0.2879	0.3894	0.4823	0.6122	0.5113	0.4895	0.4556	----	0.483	10.90	0.979	0.997	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8414	0.6986	0.7850	0.7712	0.8012	0.8619	0.8557	0.8475	----	0.808	11.19	0.999	1.00	6.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p,p'-DDE	1	0	Avg	0.2488	0.2002	0.2275	0.2272	0.2352	0.2522	0.2495	0.2427	----	0.235	11.13	0.999	0.999	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDD	1	0	Avg	0.5010	0.3751	0.4562	0.4635	0.4769	0.5224	0.5132	0.4988	----	0.476	11.52	0.999	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.47

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32196.	CAL BNA@50PPM	02/09/11 13:26	2	9M32194.	CAL BNA@2PPM	02/09/11 12:37
3	9M32193.	CAL BNA@10PPM	02/09/11 12:14	4	9M32192.	CAL BNA@20PPM	02/09/11 11:51
5	9M32191.	CAL BNA@80PPM	02/09/11 11:28	6	9M32190.	CAL BNA@120PPM	02/09/11 11:05
7	9M32189.	CAL BNA@160PPM	02/09/11 10:38	8	9M32188.	CAL BNA@196PPM	02/09/11 10:15
9	9M32195.	CAL BNA@0.5PPM	02/09/11 13:00				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7581	0.5143	0.6529	0.6756	0.7219	0.7626	0.7619	0.7423	-----	0.699	11.78	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	LinF	0.3293	0.1327	0.2351	0.2581	0.3281	0.3664	0.3710	0.3677	-----	0.299	11.88	0.998	0.999	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3475	0.2298	0.2577	0.2742	0.3202	0.3094	0.2993	0.2783	-----	0.290	12.39	0.993	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2007	1.1221	1.1705	1.1445	1.1418	1.1758	1.2013	1.1635	-----	1.17	12.41	0.999	0.999	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1504	1.1036	1.1465	1.1165	1.0806	1.1034	1.1164	1.0880	-----	1.11	12.45	1.00	1.00	2.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0219	0.6973	0.8957	0.9287	0.9615	1.0081	1.0161	0.9829	-----	0.939	12.49	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	2.0331	1.1863	1.6740	1.7706	1.9442	2.3432	2.1343	2.0964	-----	1.90	13.24	0.996	0.996	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2493	1.0239	1.1214	1.2062	1.1474	1.3883	1.3139	1.2751	-----	1.22	13.62	0.996	0.996	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2311	1.0878	1.2152	1.1319	1.1763	1.1413	1.1628	1.1360	-----	1.16	13.65	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1880	0.9550	1.0657	1.0731	1.1144	1.1778	1.1931	1.1541	-----	1.12	13.96	0.999	0.999	7.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.1541	0.8914	1.0307	1.0706	1.1180	1.0417	1.1815	1.1238	-----	1.08	15.20	0.996	0.996	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.8990	0.6804	0.7981	0.8500	0.8692	0.8243	0.9225	0.8789	-----	0.840	15.22	0.997	0.997	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9537	0.8159	0.8694	0.8779	0.9059	0.8362	0.9636	0.9220	-----	0.893	15.53	0.995	0.996	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * *- ccc compound*

b - failed the ccc criteria ** *- spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.47

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32196.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:44
Acq On : 02/ 9/11 13:26 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	86323	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	346508	40.00	ng	0.00
47) Acenaphthene-d10	7.971	164	190795	40.00	ng	0.00
74) Phenanthrene-d10	9.393	188	315085	40.00	ng	0.00
88) Chrysene-d12	12.421	240	257471	40.00	ng	0.00
100) Perylene-d12	14.014	264	217789	40.00	ng	-0.01
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	148666	53.24	ng	0.00
Spiked Amount 100.000			Recovery = 53.24%			
15) Phenol-d5	5.248	99	212705	54.91	ng	0.00
Spiked Amount 100.000			Recovery = 54.91%			
30) Nitrobenzene-d5	6.018	128	36998	25.59	ng	0.00
Spiked Amount 50.000			Recovery = 51.18%			
52) 2-Fluorobiphenyl	7.398	172	158812	25.66	ng	0.00
Spiked Amount 50.000			Recovery = 51.32%			
77) 2,4,6-Tribromophenol	8.687	330	21271	55.64	ng	0.00
Spiked Amount 100.000			Recovery = 55.64%			
91) Terphenyl-d14	11.190	244	135404	26.46	ng	0.00
Spiked Amount 50.000			Recovery = 52.92%			
Target Compounds						Qvalue
8) Pyridine	2.638	79	182937	56.70	ng	78
9) N-Nitrosodimethylamine	2.579	74	110464	56.84	ng	74
11) Benzaldehyde	5.173	77	105575	62.33	ng	80
12) Aniline	5.275	93	265026	62.15	ng	41
13) Pentachloroethane	5.318	117	50820	51.56	ng	88
14) bis(2-Chloroethyl)ether	5.339	93	166886	53.28	ng	83
16) Phenol	5.259	94	235767	54.99	ng	88
17) 2-Chlorophenol	5.376	128	167551	53.98	ng	83
18) N-Decane	5.435	57	204101	51.03	ng	86
19) 1,3-Dichlorobenzene	5.510	146	171716	53.02	ng	97
20) 1,4-Dichlorobenzene	5.574	146	171987	52.06	ng	98
21) 1,2-Dichlorobenzene	5.697	146	163506	52.67	ng	97
22) Benzyl alcohol	5.681	108	114190	54.27	ng	72
23) bis(2-chloroisopropyl)...	5.799	45	241080	53.25	ng	93
24) 2-Methylphenol	5.772	108	157291	56.37	ng	100
25) Acetophenone	5.895	105	243121	56.89	ng	72
26) Hexachloroethane	5.981	117	63052	52.30	ng	94
27) N-Nitroso-di-n-propyla...	5.901	70	126590	54.94	ng	72
28) 3&4-Methylphenol	5.901	108	162328	56.66	ng	96
31) Nitrobenzene	6.034	77	168828	52.91	ng	78
32) Isophorone	6.221	82	330309	53.23	ng	86
33) 2-Nitrophenol	6.280	139	75903	52.97	ng	90
34) 2,4-Dimethylphenol	6.318	107	164377	54.43	ng	92
35) Benzoic Acid	6.403	105	101626m	51.96	ng	
36) bis(2-Chloroethoxy)met...	6.393	93	199643	52.78	ng	95
37) 2,4-Dichlorophenol	6.468	162	124715	53.12	ng	89
38) 1,2,4-Trichlorobenzene	6.532	180	130165	51.67	ng	98
39) Naphthalene	6.596	128	495168	51.71	ng	100
40) 4-Chloroaniline	6.633	127	192779	67.38	ng	100
41) Hexachlorobutadiene	6.687	225	57957	51.29	ng	97
42) Caprolactam	6.917	113	65389	60.04	ng	72
43) 4-Chloro-3-methylphenol	6.992	107	148284	54.71	ng	90
44) 2-Methylnaphthalene	7.115	142	316249	52.78	ng	100
45) Methylnaphthalenes (To...	7.115	142	316249	52.78	ng	100
46) 1,1'-Biphenyl	7.484	154	416637	53.04	ng	95
48) 1,2,4,5-Tetrachloroben...	7.248	216	119094	53.16	ng	99
49) Hexachlorocyclopentadiene	7.238	237	52631	55.75	ng	99
50) 2,4,6-Trichlorophenol	7.334	196	76768	52.31	ng	99
51) 2,4,5-Trichlorophenol	7.366	196	81784	52.84	ng	98
53) 2-Chloronaphthalene	7.500	162	277463	51.10	ng	96
54) 1,4-Dimethylnaphthalene	7.778	156	238924	51.82	ng	91
55) Dimethylnaphthalenes (...	7.778	156	238924	51.82	ng	91
56) Diphenyl Ether	7.569	170	226366	54.52	ng	79
57) 2-Nitroaniline	7.580	65	108282	55.14	ng	61
58) Coumarin	7.762	146	126679	53.01	ng	72
59) Acenaphthylene	7.848	152	476026	52.16	ng	100
60) Dimethylphthalate	7.730	163	323525	51.98	ng	98
61) 2,6-Dinitrotoluene	7.783	165	68867	55.85	ng	63
62) Acenaphthene	7.997	153	297678	51.20	ng	96
63) 3-Nitroaniline	7.922	138	85584	60.55	ng	68
64) 2,4-Dinitrophenol	8.013	184	16860	48.00	ng	80
65) Dibenzofuran	8.147	168	404197	52.14	ng	88

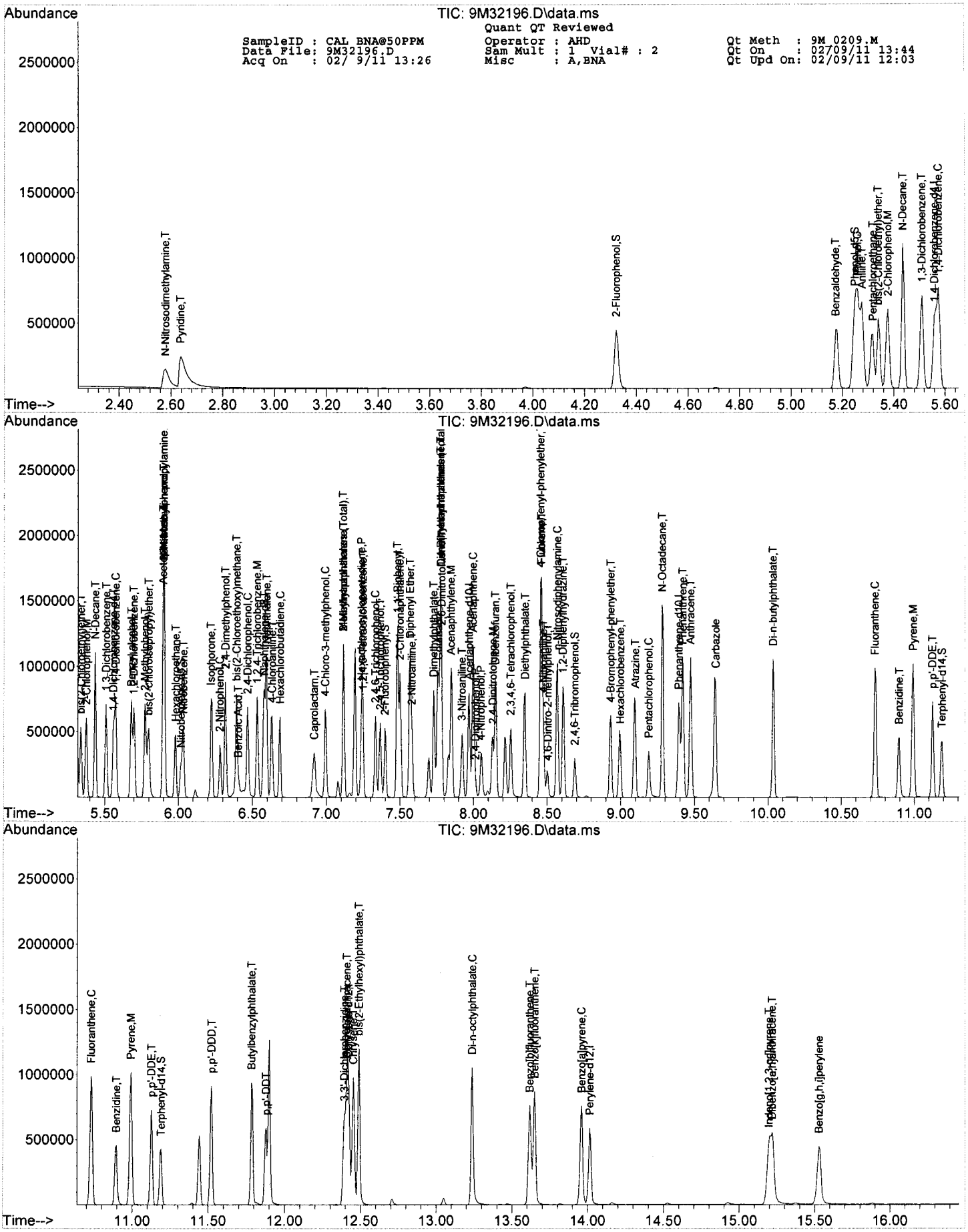
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32196.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:44
Acq On : 02/ 9/11 13:26 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.131	165	90047	58.04	ng	64
67) 4-Nitrophenol	8.051	65	62493	56.88	ng	98
68) 2,3,4,6-Tetrachlorophenol	8.254	232	60185	54.44	ng	95
69) Fluorene	8.463	166	336647	51.91	ng	99
70) 4-Chlorophenyl-phenyle...	8.457	204	137704	51.16	ng	94
71) Diethylphthalate	8.350	149	326882	52.20	ng	97
72) 4-Nitroaniline	8.473	138	94679	55.48	ng	75
73) Atrazine	9.099	200	91262	56.35	ng	96
75) 4,6-Dinitro-2-methylph...	8.505	198	28653	58.29	ng	55
76) n-Nitrosodiphenylamine	8.570	169	287924	51.89	ng	98
78) 1,2-Diphenylhydrazine	8.607	77	362128	51.53	ng	86
79) 4-Bromophenyl-phenylether	8.933	248	64652	51.09	ng	97
80) Hexachlorobenzene	8.997	284	57722	51.20	ng	85
81) N-Octadecane	9.281	57	279544	52.74	ng	85
82) Pentachlorophenol	9.190	266	36362	52.34	ng	96
83) Phenanthrene	9.420	178	447015	51.00	ng	98
84) Anthracene	9.473	178	455328	51.45	ng	100
85) Carbazole	9.645	167	465631	52.29	ng	98
86) Di-n-butylphthalate	10.035	149	555532	53.00	ng	98
87) Fluoranthene	10.730	202	465453	53.44	ng	99
89) Pyrene	10.993	202	471480	52.06	ng	97
90) Benzidine	10.896	184	205416	71.02	ng	91
92) p,p'-DDE	11.126	246	80072	52.38	ng	90
93) p,p'-DDD	11.522	235	161243	52.12	ng	86
94) Butylbenzylphthalate	11.784	149	244014	53.30	ng	80
95) p,p'-DDT	11.880	235	106001	60.55	ng	91
96) 3,3'-Dichlorobenzidine	12.394	252	111843	60.38	ng	99
97) Benzo[a]anthracene	12.410	228	386453	51.29	ng	99
98) Chrysene	12.453	228	370260	51.49	ng	98
99) bis(2-Ethylhexyl)phtha...	12.490	149	328897	53.06	ng	92
101) Di-n-octylphthalate	13.239	149	553508	52.93	ng	100
102) Benzo[b]fluoranthene	13.619	252	340105	51.95	ng	97
103) Benzo[k]fluoranthene	13.651	252	335160	52.11	ng	99
104) Benzo[a]pyrene	13.961	252	323429	52.57	ng	99
105) Indeno[1,2,3-cd]pyrene	15.197	276	314212	51.31	ng	92
106) Dibenzo[a,h]anthracene	15.218	278	244745	51.34	ng	93
107) Benzo[g,h,i]perylene	15.528	276	259639	50.97	ng	92

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


Abundance
TIC: 9M32196.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32196.D
Acq On : 02/ 9/11 13:26
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 13:44
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
2-Chlorophenol,M
1,3-Dichlorobenzene,T
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,M
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,T
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32194.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:41
Acq On : 02/ 9/11 12:37 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	89667	40.00	ng	0.00
29) Naphthalene-d8	6.575	136	369163	40.00	ng	0.00
47) Acenaphthene-d10	7.965	164	206995	40.00	ng	-0.01
74) Phenanthrene-d10	9.388	188	334641	40.00	ng	-0.01
88) Chrysene-d12	12.415	240	275005	40.00	ng	-0.01
100) Perylene-d12	14.009	264	231181	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.328	112	4728	1.63	ng	0.00
Spiked Amount 100.000			Recovery =	1.63%		
15) Phenol-d5	5.243	99	7275	1.81	ng	0.00
Spiked Amount 100.000			Recovery =	1.81%		
30) Nitrobenzene-d5	6.013	128	1374	0.89	ng	0.00
Spiked Amount 50.000			Recovery =	1.78%		
52) 2-Fluorobiphenyl	7.393	172	6373	0.95	ng	-0.02
Spiked Amount 50.000			Recovery =	1.90%		
77) 2,4,6-Tribromophenol	8.682	330	560	1.38	ng	0.00
Spiked Amount 100.000			Recovery =	1.38%		
91) Terphenyl-d14	11.180	244	4803	0.88	ng	-0.02
Spiked Amount 50.000			Recovery =	1.76%		
Target Compounds						Qvalue
8) Pyridine	2.734	79	3710	1.11	ng	80
9) N-Nitrosodimethylamine	2.627	74	3123	1.55	ng	91
11) Benzaldehyde	5.173	77	4458	2.53	ng	70
12) Aniline	5.275	93	6869	1.55	ng	32
13) Pentachloroethane	5.312	117	1901	1.86	ng	88
14) bis(2-Chloroethyl)ether	5.339	93	6713	2.06	ng	88
16) Phenol	5.254	94	8334	1.87	ng	85
17) 2-Chlorophenol	5.371	128	6085	1.89	ng	87
18) N-Decane	5.435	57	7952	1.91	ng	88
19) 1,3-Dichlorobenzene	5.510	146	6982	2.08	ng	97
20) 1,4-Dichlorobenzene	5.574	146	7194	2.10	ng	99
21) 1,2-Dichlorobenzene	5.697	146	6577	2.04	ng	97
22) Benzyl alcohol	5.681	108	4206	1.92	ng	69
23) bis(2-chloroisopropyl)...	5.794	45	9826	2.09	ng	96
24) 2-Methylphenol	5.772	108	5722	1.97	ng	91
25) Acetophenone	5.895	105	9881	2.23	ng	70
26) Hexachloroethane	5.976	117	2465	1.97	ng	90
27) N-Nitroso-di-n-propyla...	5.895	70	4750	1.98	ng	71
28) 3&4-Methylphenol	5.895	108	5971	2.01	ng	98
31) Nitrobenzene	6.029	77	5920	1.74	ng	71
32) Isophorone	6.216	82	12512	1.89	ng	85
33) 2-Nitrophenol	6.280	139	2150	1.41	ng	83
34) 2,4-Dimethylphenol	6.313	107	5713	1.78	ng	86
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.387	93	7588	1.88	ng	96
37) 2,4-Dichlorophenol	6.462	162	4225	1.69	ng	91
38) 1,2,4-Trichlorobenzene	6.532	180	5418	2.02	ng	99
39) Naphthalene	6.591	128	20554	2.01	ng	98
40) 4-Chloroaniline	6.628	127	5507	1.81	ng	100
41) Hexachlorobutadiene	6.682	225	2423	2.01	ng	96
42) Caprolactam	6.874	113	2102	1.81	ng	62
43) 4-Chloro-3-methylphenol	6.981	107	5144	1.78	ng	95
44) 2-Methylnaphthalene	7.115	142	12413	1.94	ng	96
45) Methylnaphthalenes (To...	7.115	142	12413	1.94	ng	96
46) 1,1'-Biphenyl	7.479	154	16509	1.97	ng	95
48) 1,2,4,5-Tetrachloroben...	7.243	216	5046	2.08	ng	96
49) Hexachlorocyclopentadiene	7.233	237	1027	1.00	ng	88
50) 2,4,6-Trichlorophenol	7.329	196	2651	1.67	ng	93
51) 2,4,5-Trichlorophenol	7.356	196	2289	1.36	ng	98
53) 2-Chloronaphthalene	7.495	162	11762	2.00	ng	94
54) 1,4-Dimethylnaphthalene	7.767	156	9790	1.96	ng	92
55) Dimethylnaphthalenes (...	7.767	156	9790	1.96	ng	92
56) Diphenyl Ether	7.564	170	9545	2.12	ng	80
57) 2-Nitroaniline	7.569	65	3251	1.53	ng	85
58) Coumarin	7.746	146	4891	1.89	ng	70
59) Acenaphthylene	7.842	152	18417	1.86	ng	98
60) Dimethylphthalate	7.719	163	13072	1.94	ng	99
61) 2,6-Dinitrotoluene	7.773	165	1825	1.36	ng	67
62) Acenaphthene	7.992	153	12414	1.97	ng	97
63) 3-Nitroaniline	7.917	138	2296	1.50	ng	71
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.142	168	16834	2.00	ng	86

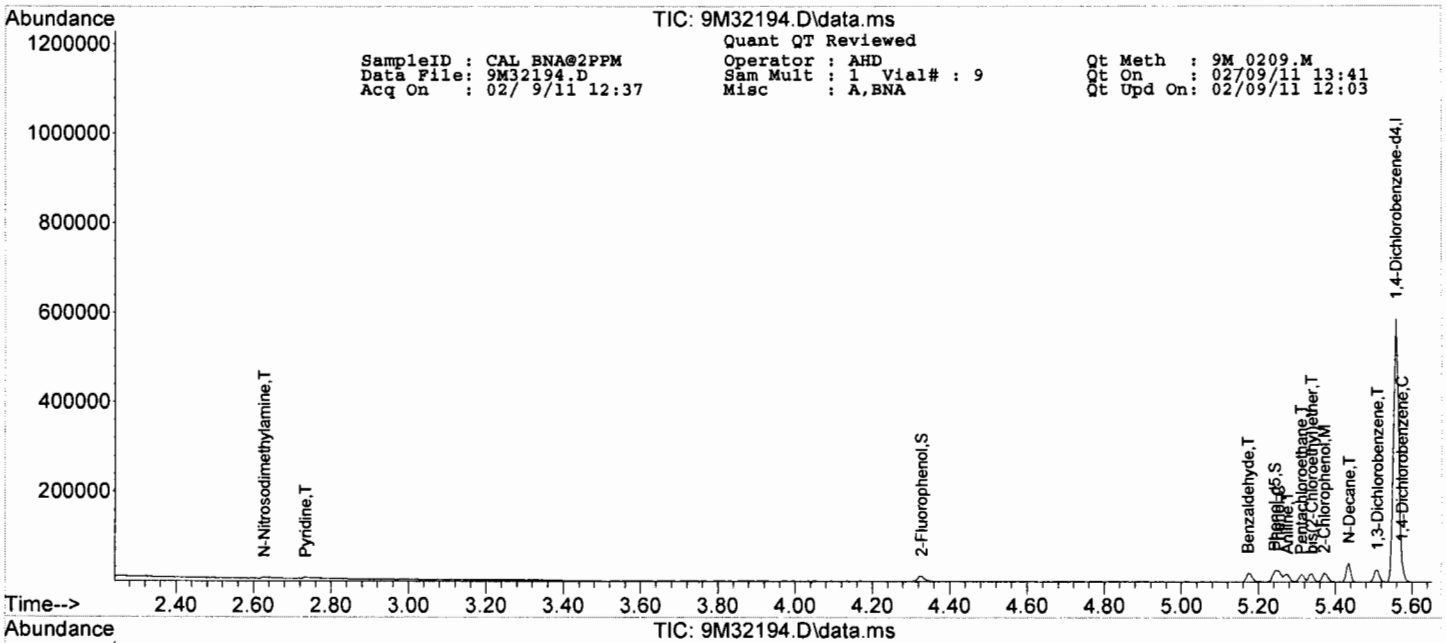
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32194.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:41
Acq On : 02/ 9/11 12:37 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.120	165	1915	1.14 ng	71
67)	4-Nitrophenol	8.046	65	1305	1.09 ng	92
68)	2,3,4,6-Tetrachlorophenol	8.249	232	1671	1.39 ng	93
69)	Fluorene	8.457	166	13741	1.95 ng	99
70)	4-Chlorophenyl-phenyle...	8.452	204	5712	1.96 ng	93
71)	Diethylphthalate	8.334	149	12585	1.85 ng	99
72)	4-Nitroaniline	8.457	138	2621	1.42 ng	76
73)	Atrazine	9.083	200	3051	1.74 ng	90
75)	4,6-Dinitro-2-methylph...	8.489	198	116	0.22 ng	56
76)	n-Nitrosodiphenylamine	8.559	169	10816	1.84 ng	97
78)	1,2-Diphenylhydrazine	8.602	77	13815	1.85 ng	79
79)	4-Bromophenyl-phenylether	8.928	248	2550	1.90 ng	94
80)	Hexachlorobenzene	8.987	284	2477	2.07 ng	85
81)	N-Octadecane	9.276	57	8971	1.59 ng	83
82)	Pentachlorophenol	9.190	266	455	0.62 ng	95
83)	Phenanthrene	9.415	178	19248	2.07 ng	100
84)	Anthracene	9.468	178	18059	1.92 ng	99
85)	Carbazole	9.634	167	17471	1.85 ng	97
86)	Di-n-butylphthalate	10.030	149	17840	1.60 ng	96
87)	Fluoranthene	10.725	202	16814	1.82 ng	97
89)	Pyrene	10.987	202	17321	1.79 ng	98
90)	Benzidine	10.891	184	3960	1.28 ng	85
92)	p,p'-DDE	11.121	246	2754	1.69 ng	89
93)	p,p'-DDD	11.517	235	5158	1.56 ng	82
94)	Butylbenzylphthalate	11.779	149	7073	1.45 ng	82
95)	p,p'-DDT	11.875	235	1825	0.98 ng	87
96)	3,3'-Dichlorobenzidine	12.383	252	3161	1.60 ng	94
97)	Benzo[a]anthracene	12.405	228	15430	1.92 ng	97
98)	Chrysene	12.442	228	15176	1.98 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.485	149	9588	1.45 ng	97
101)	Di-n-octylphthalate	13.234	149	13713	1.24 ng	97
102)	Benzo[b]fluoranthene	13.608	252	11836	1.70 ng	94
103)	Benzo[k]fluoranthene	13.640	252	12574	1.84 ng	97
104)	Benzo[a]pyrene	13.950	252	11039	1.69 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.181	276	10304	1.59 ng	98
106)	Dibenzo[a,h]anthracene	15.207	278	7865	1.55 ng	97
107)	Benzo[g,h,i]perylene	15.507	276	9431	1.74 ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed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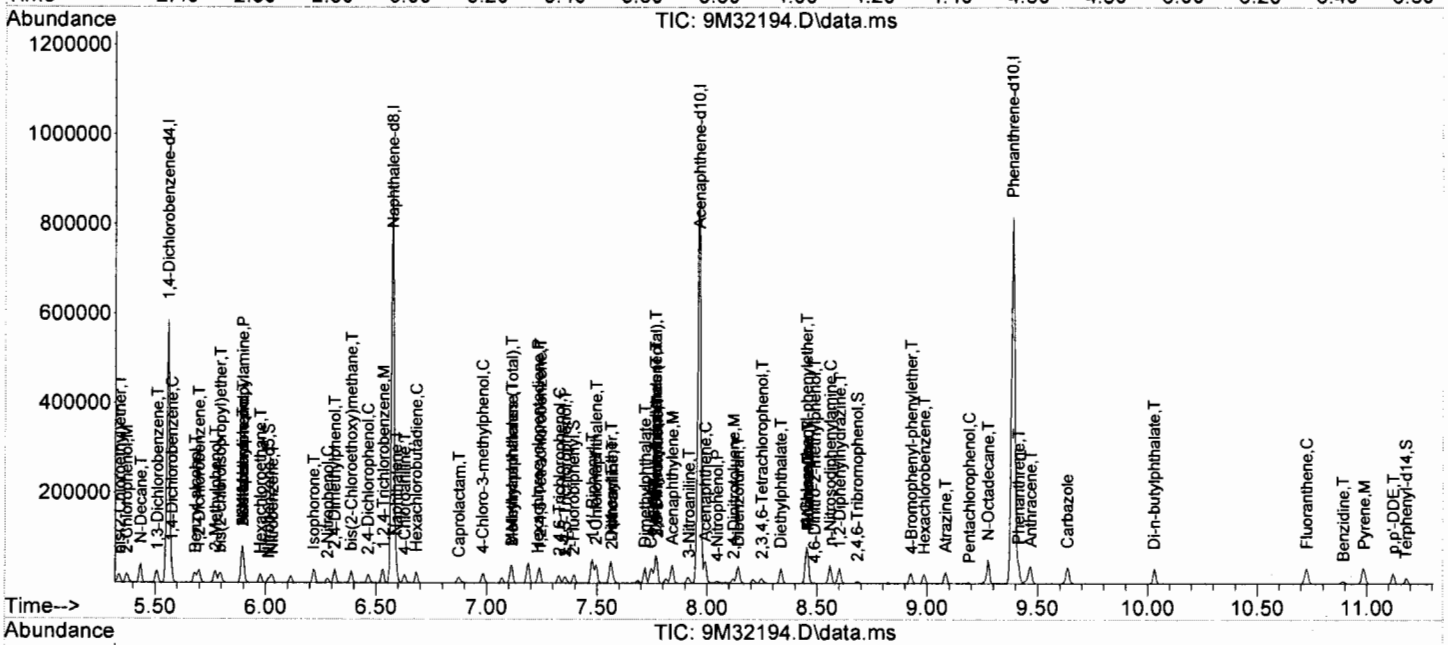
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M32194.D
Acq On : 02/ 9/11 12:37
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M 0209.M
Qt On : 02/09/11 13:41
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->


Abundance
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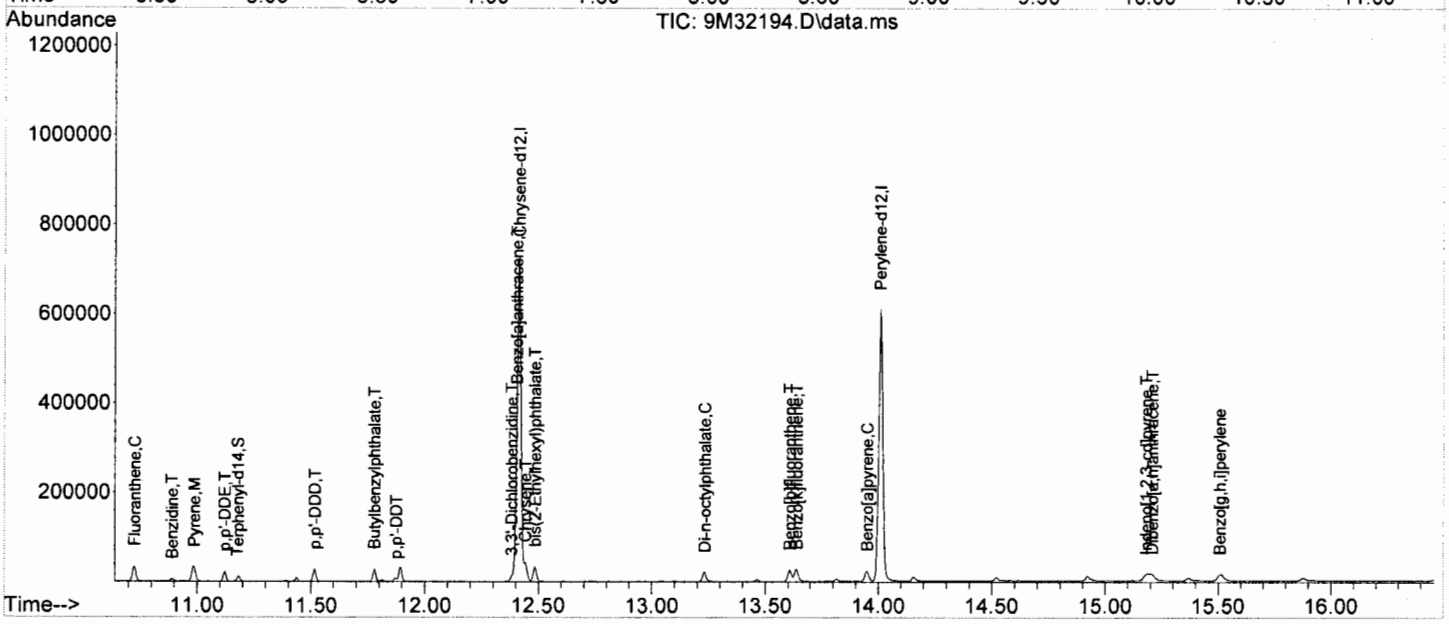
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
4-Chloro-3-methylphenol,C
Caprolactam,T
Acenaphthylene,M
Acenaphthene,C
4-Nitrophenol,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32194.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,C
bis(2-Ethylhexyl)phthalate,T
Chrysene,C
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32193.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:31
Acq On : 02/ 9/11 12:14 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	82809	40.00	ng	0.00
29) Naphthalene-d8	6.575	136	336197	40.00	ng	0.00
47) Acenaphthene-d10	7.965	164	186024	40.00	ng	-0.01
74) Phenanthrene-d10	9.388	188	308945	40.00	ng	-0.01
88) Chrysene-d12	12.415	240	256623	40.00	ng	-0.01
100) Perylene-d12	14.009	264	215524	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	25414	9.49	ng	0.00
Spiked Amount 100.000			Recovery = 9.49%			
15) Phenol-d5	5.243	99	37866	10.19	ng	0.00
Spiked Amount 100.000			Recovery = 10.19%			
30) Nitrobenzene-d5	6.013	128	6683	4.76	ng	0.00
Spiked Amount 50.000			Recovery = 9.52%			
52) 2-Fluorobiphenyl	7.398	172	30928	5.12	ng	0.00
Spiked Amount 50.000			Recovery = 10.24%			
77) 2,4,6-Tribromophenol	8.682	330	3411	9.10	ng	0.00
Spiked Amount 100.000			Recovery = 9.10%			
91) Terphenyl-d14	11.185	244	25182	4.94	ng	0.00
Spiked Amount 50.000			Recovery = 9.88%			
Target Compounds						Qvalue
8) Pyridine	2.670	79	28803	9.31	ng	77
9) N-Nitrosodimethylamine	2.590	74	18320	9.83	ng	89
11) Benzaldehyde	5.173	77	22088	13.59	ng	77
12) Aniline	5.270	93	37555	9.18	ng	33
13) Pentachloroethane	5.312	117	9569	10.12	ng	89
14) bis(2-Chloroethyl)ether	5.334	93	31699	10.55	ng	85
16) Phenol	5.254	94	42086	10.23	ng	83
17) 2-Chlorophenol	5.371	128	30524	10.25	ng	84
18) N-Decane	5.435	57	38437	10.02	ng	86
19) 1,3-Dichlorobenzene	5.510	146	32405	10.43	ng	100
20) 1,4-Dichlorobenzene	5.574	146	32822	10.36	ng	96
21) 1,2-Dichlorobenzene	5.697	146	31710	10.65	ng	97
22) Benzyl alcohol	5.676	108	20991	10.40	ng	66
23) bis(2-chloroisopropyl)...	5.794	45	45948	10.58	ng	93
24) 2-Methylphenol	5.772	108	29586	11.05	ng	98
25) Acetophenone	5.890	105	47256	11.53	ng	71
26) Hexachloroethane	5.976	117	11727	10.14	ng	98
27) N-Nitroso-di-n-propyla...	5.895	70	24474	11.07	ng	72
28) 3&4-Methylphenol	5.895	108	31582	11.49	ng	99
31) Nitrobenzene	6.029	77	31144	10.06	ng	81
32) Isophorone	6.216	82	61369	10.19	ng	86
33) 2-Nitrophenol	6.280	139	12610	9.07	ng	89
34) 2,4-Dimethylphenol	6.313	107	30363	10.36	ng	95
35) Benzoic Acid	6.366	105	11067	5.83	ng	84
36) bis(2-Chloroethoxy)met...	6.387	93	37671	10.26	ng	95
37) 2,4-Dichlorophenol	6.462	162	22755	9.99	ng	90
38) 1,2,4-Trichlorobenzene	6.532	180	24973	10.22	ng	98
39) Naphthalene	6.591	128	94764	10.20	ng	99
40) 4-Chloroaniline	6.628	127	28434	10.24	ng	99
41) Hexachlorobutadiene	6.682	225	11288	10.30	ng	97
42) Caprolactam	6.880	113	11499	10.88	ng	71
43) 4-Chloro-3-methylphenol	6.987	107	25940	9.86	ng	78
44) 2-Methylnaphthalene	7.110	142	59941	10.31	ng	99
45) Methylnaphthalenes (To...	7.110	142	59941	10.31	ng	99
46) 1,1'-Biphenyl	7.479	154	79114	10.38	ng	95
48) 1,2,4,5-Tetrachloroben...	7.243	216	22615	10.35	ng	97
49) Hexachlorocyclopentadiene	7.233	237	7956	8.64	ng	96
50) 2,4,6-Trichlorophenol	7.329	196	13125	9.17	ng	98
51) 2,4,5-Trichlorophenol	7.356	196	15638	10.36	ng	96
53) 2-Chloronaphthalene	7.495	162	53761	10.16	ng	96
54) 1,4-Dimethylnaphthalene	7.773	156	47059	10.47	ng	90
55) Dimethylnaphthalenes (...	7.773	156	47059	10.47	ng	90
56) Diphenyl Ether	7.564	170	43470	10.74	ng	80
57) 2-Nitroaniline	7.575	65	19205	10.03	ng	66
58) Coumarin	7.751	146	24944	10.70	ng	71
59) Acenaphthylene	7.842	152	91864	10.32	ng	100
60) Dimethylphthalate	7.719	163	63334	10.44	ng	97
61) 2,6-Dinitrotoluene	7.773	165	12530	10.42	ng	65
62) Acenaphthene	7.992	153	58302	10.29	ng	96
63) 3-Nitroaniline	7.917	138	14304	10.38	ng	74
64) 2,4-Dinitrophenol	8.008	184	1697	4.95	ng	82
65) Dibenzofuran	8.142	168	78850	10.43	ng	89

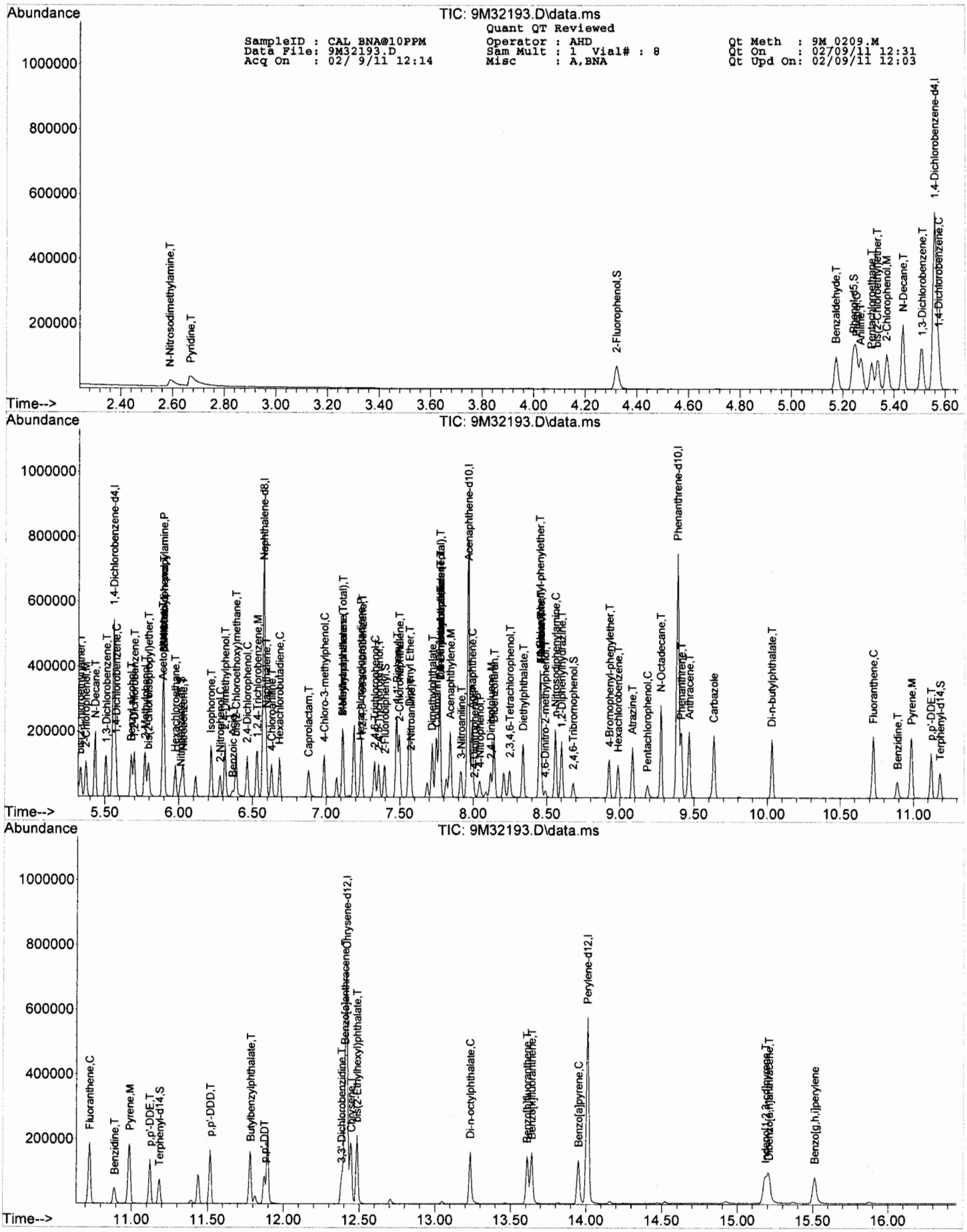
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32193.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:31
Acq On : 02/ 9/11 12:14 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.120	165	13899	9.19 ng	64
67) 4-Nitrophenol	8.046	65	10416	9.72 ng	96
68) 2,3,4,6-Tetrachlorophenol	8.249	232	11207	10.40 ng	92
69) Fluorene	8.457	166	64634	10.22 ng	99
70) 4-Chlorophenyl-phenyle...	8.452	204	26989	10.28 ng	92
71) Diethylphthalate	8.340	149	62739	10.28 ng	98
72) 4-Nitroaniline	8.457	138	16595	9.97 ng	75
73) Atrazine	9.083	200	16419	10.40 ng	96
75) 4,6-Dinitro-2-methylph...	8.489	198	2834	5.88 ng	51
76) n-Nitrosodiphenylamine	8.559	169	54592	10.03 ng	96
78) 1,2-Diphenylhydrazine	8.602	77	70268	10.20 ng	84
79) 4-Bromophenyl-phenylether	8.928	248	12280	9.90 ng	97
80) Hexachlorobenzene	8.987	284	11185	10.12 ng	97
81) N-Octadecane	9.276	57	50131	9.65 ng	87
82) Pentachlorophenol	9.185	266	4669	6.85 ng	97
83) Phenanthrene	9.415	178	87131	10.14 ng	99
84) Anthracene	9.468	178	88030	10.15 ng	99
85) Carbazole	9.634	167	87530	10.03 ng	98
86) Di-n-butylphthalate	10.030	149	96990	9.44 ng	98
87) Fluoranthene	10.725	202	83995	9.84 ng	98
89) Pyrene	10.987	202	88356	9.79 ng	97
90) Benzidine	10.891	184	24986	8.67 ng	94
92) p,p'-DDE	11.121	246	14601	9.58 ng	88
93) p,p'-DDD	11.517	235	29268	9.49 ng	85
94) Butylbenzylphthalate	11.784	149	41887	9.18 ng	73
95) p,p'-DDT	11.875	235	15088	8.65 ng	92
96) 3,3'-Dichlorobenzidine	12.383	252	16533	8.96 ng	94
97) Benzo[a]anthracene	12.405	228	75099	10.00 ng	99
98) Chrysene	12.447	228	73555	10.26 ng	98
99) bis(2-Ethylhexyl)phtha...	12.485	149	57469	9.30 ng	92
101) Di-n-octylphthalate	13.234	149	90198	8.72 ng	99
102) Benzo[b]fluoranthene	13.608	252	60422	9.33 ng	98
103) Benzo[k]fluoranthene	13.640	252	65479	10.29 ng	98
104) Benzo[a]pyrene	13.950	252	57425	9.43 ng	98
105) Indeno[1,2,3-cd]pyrene	15.186	276	55540	9.17 ng	96
106) Dibenzo[a,h]anthracene	15.207	278	43006	9.12 ng	92
107) Benzo[g,h,i]perylene	15.512	276	46849	9.29 ng	91

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


Abundance
TIC: 9M32193.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M32193.D
Acq On : 02/ 9/11 12:14
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M 0209.M
Qt On : 02/09/11 12:31
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,3-Dichlorobenzene,T
N-Decane,T
2-Chlorophenol,M
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32193.D\data.ms
1,4-Dichlorobenzene-d4,I
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene-d10,I
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32193.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,C
Chrysene-d12,I
Bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Perylene-d12,I
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32192.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:51 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	84606	40.00	ng	0.00
29) Naphthalene-d8	6.574	136	328450	40.00	ng	0.00
47) Acenaphthene-d10	7.970	164	179144	40.00	ng	0.00
74) Phenanthrene-d10	9.393	188	291796	40.00	ng	0.00
88) Chrysene-d12	12.415	240	242274	40.00	ng	-0.01
100) Perylene-d12	14.009	264	204075	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	52462	19.17	ng	0.00
Spiked Amount 100.000			Recovery = 19.17%			
15) Phenol-d5	5.243	99	74640	19.66	ng	0.00
Spiked Amount 100.000			Recovery = 19.66%			
30) Nitrobenzene-d5	6.013	128	13444	9.81	ng	-0.01
Spiked Amount 50.000			Recovery = 19.62%			
52) 2-Fluorobiphenyl	7.404	172	57243	9.85	ng	0.00
Spiked Amount 50.000			Recovery = 19.70%			
77) 2,4,6-Tribromophenol	8.687	330	6979	19.71	ng	0.00
Spiked Amount 100.000			Recovery = 19.71%			
91) Terphenyl-d14	11.185	244	46715	9.70	ng	-0.01
Spiked Amount 50.000			Recovery = 19.40%			
Target Compounds						Qvalue
8) Pyridine	2.654	79	59248	18.74	ng	79
9) N-Nitrosodimethylamine	2.584	74	36886	19.37	ng	73
11) Benzaldehyde	5.173	77	42304	25.48	ng	76
12) Aniline	5.269	93	84612	20.24	ng	35
13) Pentachloroethane	5.312	117	18945	19.61	ng	88
14) bis(2-Chloroethyl)ether	5.339	93	61197	19.93	ng	81
16) Phenol	5.253	94	83413	19.85	ng	83
17) 2-Chlorophenol	5.371	128	60947	20.03	ng	83
18) N-Decane	5.435	57	76662	19.56	ng	86
19) 1,3-Dichlorobenzene	5.510	146	64248	20.24	ng	99
20) 1,4-Dichlorobenzene	5.574	146	64757	20.00	ng	98
21) 1,2-Dichlorobenzene	5.697	146	60828	19.99	ng	99
22) Benzyl alcohol	5.676	108	40943	19.85	ng	70
23) bis(2-chloroisopropyl)...	5.794	45	88863	20.03	ng	94
24) 2-Methylphenol	5.772	108	56459	20.64	ng	100
25) Acetophenone	5.895	105	90723	21.66	ng	73
26) Hexachloroethane	5.975	117	23361	19.77	ng	97
27) N-Nitroso-di-n-propyla...	5.895	70	46403	20.55	ng	71
28) 3&4-Methylphenol	5.895	108	59775	21.29	ng	97
31) Nitrobenzene	6.029	77	61083	20.19	ng	78
32) Isophorone	6.221	82	115774	19.68	ng	82
33) 2-Nitrophenol	6.280	139	26315	19.37	ng	89
34) 2,4-Dimethylphenol	6.312	107	58799	20.54	ng	93
35) Benzoic Acid	6.377	105	28839	15.56	ng	87
36) bis(2-Chloroethoxy)met...	6.387	93	71932	20.06	ng	95
37) 2,4-Dichlorophenol	6.467	162	44168	19.85	ng	88
38) 1,2,4-Trichlorobenzene	6.532	180	47554	19.91	ng	99
39) Naphthalene	6.590	128	183029	20.16	ng	100
40) 4-Chloroaniline	6.628	127	61900	22.83	ng	99
41) Hexachlorobutadiene	6.687	225	21367	19.95	ng	96
42) Caprolactam	6.890	113	22325	21.63	ng	72
43) 4-Chloro-3-methylphenol	6.992	107	51172	19.92	ng	84
44) 2-Methylnaphthalene	7.115	142	113982	20.07	ng	96
45) Methylnaphthalenes (To...	7.115	142	113982	20.07	ng	96
46) 1,1'-Biphenyl	7.484	154	151183	20.30	ng	96
48) 1,2,4,5-Tetrachloroben...	7.248	216	43899	20.87	ng	96
49) Hexachlorocyclopentadiene	7.238	237	17221	19.43	ng	96
50) 2,4,6-Trichlorophenol	7.334	196	27623	20.05	ng	96
51) 2,4,5-Trichlorophenol	7.361	196	28009	19.27	ng	99
53) 2-Chloronaphthalene	7.500	162	101404	19.89	ng	96
54) 1,4-Dimethylnaphthalene	7.778	156	87663	20.25	ng	89
55) Dimethylnaphthalenes (...	7.778	156	87663	20.25	ng	89
56) Diphenyl Ether	7.569	170	82410	21.14	ng	80
57) 2-Nitroaniline	7.580	65	37414	20.29	ng	61
58) Coumarin	7.757	146	46336	20.65	ng	72
59) Acenaphthylene	7.847	152	171392	20.00	ng	100
60) Dimethylphthalate	7.730	163	118459	20.27	ng	97
61) 2,6-Dinitrotoluene	7.778	165	24499	21.16	ng	74
62) Acenaphthene	7.997	153	108771	19.93	ng	98
63) 3-Nitroaniline	7.922	138	28170	21.23	ng	67
64) 2,4-Dinitrophenol	8.013	184	4989	15.13	ng	83
65) Dibenzofuran	8.147	168	147774	20.30	ng	88

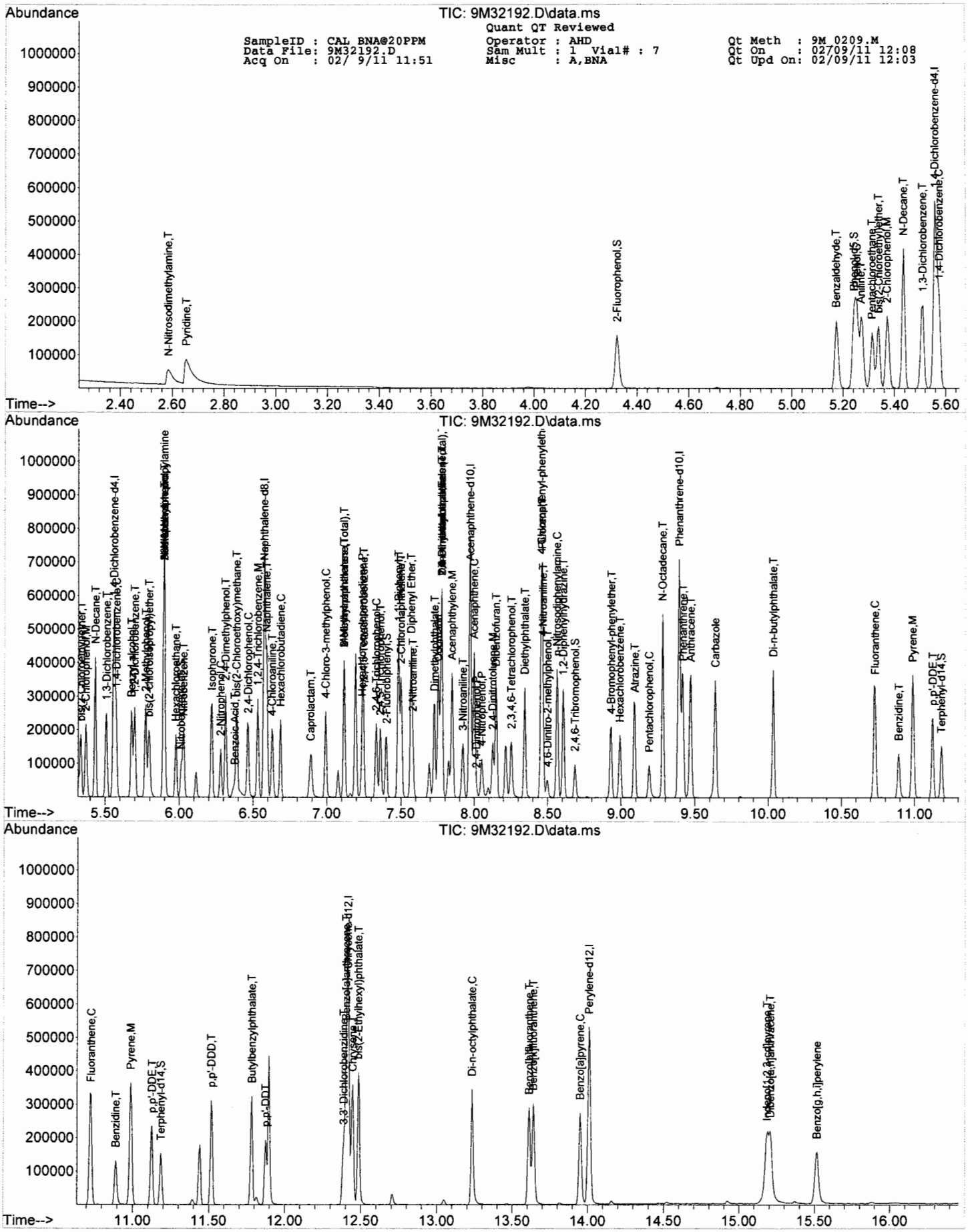
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32192.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:51 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.126	165	29600	20.32	ng	65
67)	4-Nitrophenol	8.051	65	20470	19.84	ng	95
68)	2,3,4,6-Tetrachlorophenol	8.254	232	20482	19.73	ng	93
69)	Fluorene	8.463	166	121918	20.02	ng	99
70)	4-Chlorophenyl-phenyle...	8.457	204	50002	19.78	ng	94
71)	Diethylphthalate	8.345	149	116313	19.78	ng	98
72)	4-Nitroaniline	8.468	138	32856	20.50	ng	70
73)	Atrazine	9.094	200	31954	21.01	ng	97
75)	4,6-Dinitro-2-methylph...	8.500	198	7783	17.10	ng	58
76)	n-Nitrosodiphenylamine	8.564	169	104280	20.29	ng	99
78)	1,2-Diphenylhydrazine	8.607	77	129168	19.85	ng	84
79)	4-Bromophenyl-phenylether	8.933	248	22934	19.57	ng	100
80)	Hexachlorobenzene	8.992	284	20324	19.47	ng	90
81)	N-Octadecane	9.281	57	95259	19.41	ng	86
82)	Pentachlorophenol	9.190	266	10670	16.58	ng	98
83)	Phenanthrene	9.420	178	161783	19.93	ng	99
84)	Anthracene	9.473	178	163442	19.94	ng	98
85)	Carbazole	9.639	167	165020	20.01	ng	98
86)	Di-n-butylphthalate	10.035	149	188170	19.39	ng	97
87)	Fluoranthene	10.730	202	159577	19.78	ng	98
89)	Pyrene	10.987	202	166401	19.53	ng	97
90)	Benzidine	10.891	184	58426	21.47	ng	91
92)	p,p'-DDE	11.126	246	27531	19.14	ng	90
93)	p,p'-DDD	11.517	235	56149	19.29	ng	86
94)	Butylbenzylphthalate	11.784	149	81845	19.00	ng	75
95)	p,p'-DDT	11.875	235	31274	18.98	ng	91
96)	3,3'-Dichlorobenzidine	12.388	252	33218	19.06	ng	98
97)	Benzo[a]anthracene	12.404	228	138641	19.56	ng	99
98)	Chrysene	12.447	228	135258	19.99	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.485	149	112507	19.29	ng	96
101)	Di-n-octylphthalate	13.234	149	180669	18.44	ng	100
102)	Benzo[b]fluoranthene	13.613	252	123083	20.06	ng	99
103)	Benzo[k]fluoranthene	13.640	252	115496	19.16	ng	99
104)	Benzo[a]pyrene	13.950	252	109497	18.99	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.186	276	109241	19.04	ng	91
106)	Dibenzo[a,h]anthracene	15.207	278	86733	19.42	ng	94
107)	Benzo[g,h,i]perylene	15.517	276	89588	18.77	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M32192.D
Acq On : 02/ 9/11 11:51
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 12:08
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32192.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
Fluorene,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,S
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32192.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,I
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32191.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	88132	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	357542	40.00	ng	0.00
47) Acenaphthene-d10	7.971	164	201572	40.00	ng	0.00
74) Phenanthrene-d10	9.393	188	331638	40.00	ng	0.00
88) Chrysene-d12	12.426	240	272950	40.00	ng	0.00
100) Perylene-d12	14.015	264	234692	40.00	ng	-0.01
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	235529	82.61	ng	0.00
Spiked Amount 100.000			Recovery = 82.61%			
15) Phenol-d5	5.248	99	329179	83.24	ng	0.00
Spiked Amount 100.000			Recovery = 83.24%			
30) Nitrobenzene-d5	6.018	128	59322	39.76	ng	0.00
Spiked Amount 50.000			Recovery = 79.52%			
52) 2-Fluorobiphenyl	7.398	172	249164	38.10	ng	0.00
Spiked Amount 50.000			Recovery = 76.20%			
77) 2,4,6-Tribromophenol	8.693	330	34761	86.39	ng	0.00
Spiked Amount 100.000			Recovery = 86.39%			
91) Terphenyl-d14	11.190	244	218710	40.31	ng	0.00
Spiked Amount 50.000			Recovery = 80.62%			
Target Compounds						Qvalue
8) Pyridine	2.633	79	273392	83.00	ng	78
9) N-Nitrosodimethylamine	2.579	74	169137	85.25	ng	75
11) Benzaldehyde	5.173	77	152339	88.09	ng	80
12) Aniline	5.275	93	403136	92.60	ng	41
13) Pentachloroethane	5.312	117	78306	77.81	ng	88
14) bis(2-Chloroethyl)ether	5.344	93	252819	79.06	ng	80
16) Phenol	5.264	94	362142	82.73	ng	97
17) 2-Chlorophenol	5.377	128	256072	80.81	ng	84
18) N-Decane	5.435	57	301629	73.87	ng	86
19) 1,3-Dichlorobenzene	5.510	146	258777	78.26	ng	98
20) 1,4-Dichlorobenzene	5.574	146	262555	77.84	ng	97
21) 1,2-Dichlorobenzene	5.697	146	246569	77.79	ng	98
22) Benzyl alcohol	5.681	108	177377	82.57	ng	73
23) bis(2-chloroisopropyl)...	5.799	45	364420	78.84	ng	93
24) 2-Methylphenol	5.778	108	238868	83.84	ng	98
25) Acetophenone	5.901	105	369829	84.76	ng	72
26) Hexachloroethane	5.976	117	97478	79.19	ng	97
27) N-Nitroso-di-n-propyla...	5.906	70	191079	81.23	ng	70
28) 3&4-Methylphenol	5.906	108	247071	84.46	ng	97
31) Nitrobenzene	6.034	77	259562	78.83	ng	78
32) Isophorone	6.227	82	505556	78.95	ng	84
33) 2-Nitrophenol	6.280	139	126251	85.39	ng	90
34) 2,4-Dimethylphenol	6.318	107	252687	81.09	ng	91
35) Benzoic Acid	6.420	105	190908m	94.60	ng	
36) bis(2-Chloroethoxy)met...	6.393	93	303781	77.83	ng	94
37) 2,4-Dichlorophenol	6.468	162	196850	81.26	ng	91
38) 1,2,4-Trichlorobenzene	6.532	180	200485	77.12	ng	99
39) Naphthalene	6.596	128	754533	76.36	ng	99
40) 4-Chloroaniline	6.633	127	271435	91.95	ng	99
41) Hexachlorobutadiene	6.687	225	90764	77.85	ng	97
42) Caprolactam	6.933	113	103608	92.20	ng	70
43) 4-Chloro-3-methylphenol	6.997	107	231921	82.93	ng	83
44) 2-Methylnaphthalene	7.115	142	489350	79.15	ng	99
45) Methylnaphthalenes (To...	7.115	142	489350	79.15	ng	99
46) 1,1'-Biphenyl	7.484	154	643731	79.42	ng	95
48) 1,2,4,5-Tetrachloroben...	7.249	216	188422	79.61	ng	96
49) Hexachlorocyclopentadiene	7.238	237	91661	91.90	ng	99
50) 2,4,6-Trichlorophenol	7.334	196	122940	79.30	ng	99
51) 2,4,5-Trichlorophenol	7.366	196	131057	80.14	ng	99
53) 2-Chloronaphthalene	7.505	162	429861	74.94	ng	94
54) 1,4-Dimethylnaphthalene	7.778	156	363740	74.68	ng	91
55) Dimethylnaphthalenes (...	7.778	156	363740	74.68	ng	91
56) Diphenyl Ether	7.569	170	349756	79.73	ng	79
57) 2-Nitroaniline	7.580	65	171271	82.56	ng	67
58) Coumarin	7.767	146	193628	76.69	ng	75
59) Acenaphthylene	7.853	152	736856	76.42	ng	99
60) Dimethylphthalate	7.735	163	507984	77.25	ng	98
61) 2,6-Dinitrotoluene	7.783	165	109853	84.33	ng	68
62) Acenaphthene	8.003	153	463983	75.54	ng	96
63) 3-Nitroaniline	7.928	138	130095	87.12	ng	70
64) 2,4-Dinitrophenol	8.019	184	39034	105.18	ng	87
65) Dibenzofuran	8.152	168	630922	77.04	ng	86

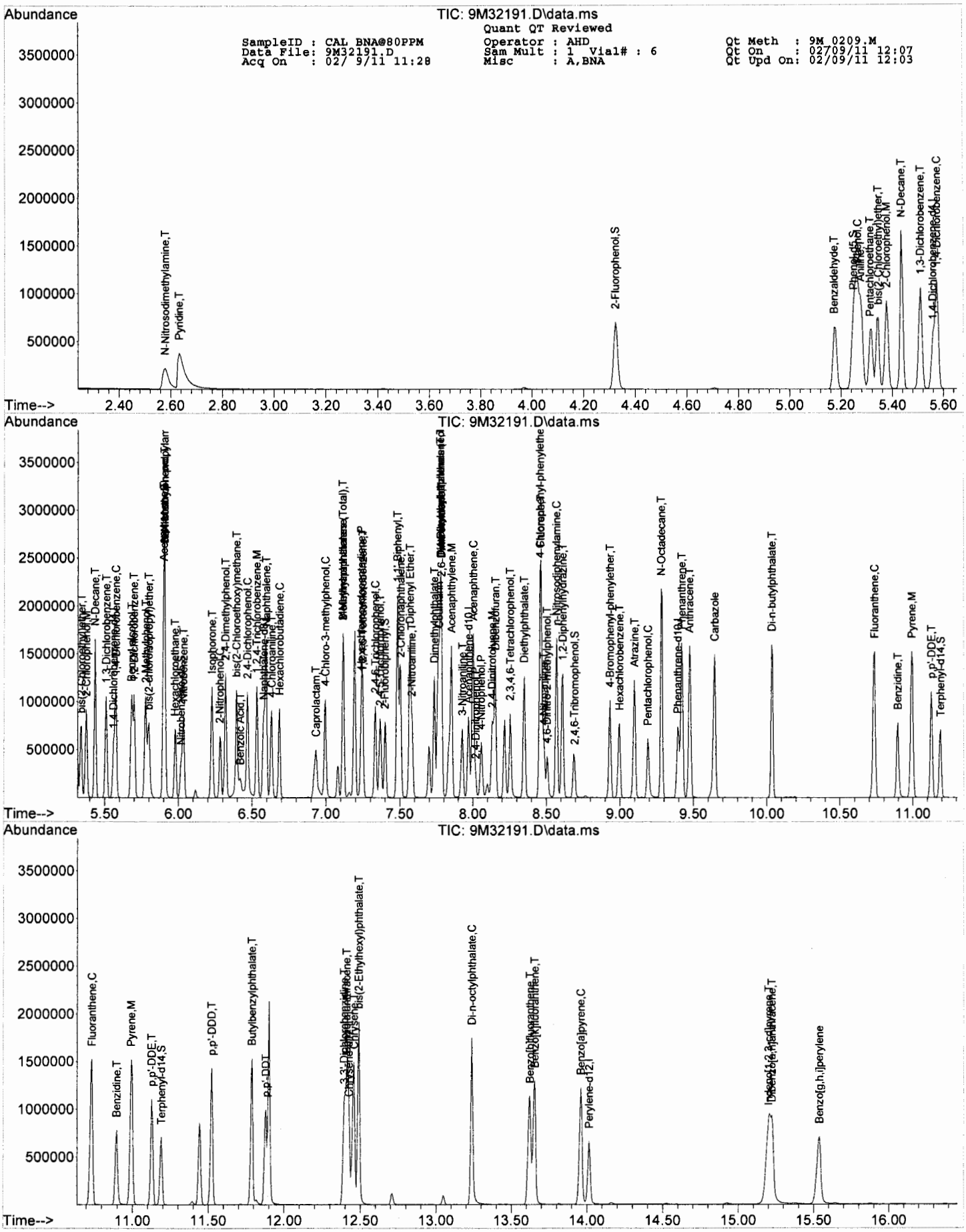
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32191.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.131	165	149430	91.16	ng	68
67) 4-Nitrophenol	8.056	65	102686	88.47	ng	98
68) 2,3,4,6-Tetrachlorophenol	8.254	232	97535	83.51	ng	94
69) Fluorene	8.463	166	527472	76.99	ng	99
70) 4-Chlorophenyl-phenyle...	8.457	204	216153	76.01	ng	93
71) Diethylphthalate	8.350	149	517019	78.14	ng	97
72) 4-Nitroaniline	8.484	138	150705	83.58	ng	72
73) Atrazine	9.099	200	147122	85.99	ng	96
75) 4,6-Dinitro-2-methylph...	8.505	198	59464	114.94	ng	45
76) n-Nitrosodiphenylamine	8.570	169	454988	77.91	ng	98
78) 1,2-Diphenylhydrazine	8.612	77	562698	76.07	ng	81
79) 4-Bromophenyl-phenylether	8.933	248	104244	78.26	ng	96
80) Hexachlorobenzene	8.998	284	93186	78.53	ng	85
81) N-Octadecane	9.281	57	429159	76.93	ng	84
82) Pentachlorophenol	9.190	266	64387	88.05	ng	95
83) Phenanthrene	9.420	178	699902	75.87	ng	99
84) Anthracene	9.474	178	722373	77.56	ng	100
85) Carbazole	9.645	167	735125	78.44	ng	98
86) Di-n-butylphthalate	10.035	149	889204	80.61	ng	98
87) Fluoranthene	10.736	202	741821	80.92	ng	98
89) Pyrene	10.993	202	747497	77.86	ng	98
90) Benzidine	10.896	184	334231	109.01	ng	91
92) p,p'-DDE	11.126	246	128446	79.26	ng	89
93) p,p'-DDD	11.522	235	260368	79.40	ng	86
94) Butylbenzylphthalate	11.790	149	394107	81.21	ng	76
95) p,p'-DDT	11.880	235	179126	96.51	ng	93
96) 3,3'-Dichlorobenzidine	12.394	252	174823	89.03	ng	100
97) Benzo[a]anthracene	12.410	228	623321	78.04	ng	99
98) Chrysene	12.458	228	589925	77.38	ng	98
99) bis(2-Ethylhexyl)phtha...	12.490	149	524934	79.89	ng	92
101) Di-n-octylphthalate	13.239	149	912617	80.99	ng	100
102) Benzo[b]fluoranthene	13.624	252	538577	76.34	ng	99
103) Benzo[k]fluoranthene	13.656	252	552144	79.66	ng	99
104) Benzo[a]pyrene	13.961	252	523091	78.90	ng	99
105) Indeno[1,2,3-cd]pyrene	15.202	276	524805	79.53	ng	91
106) Dibenzo[a,h]anthracene	15.223	278	408002	79.42	ng	95
107) Benzo[g,h,i]perylene	15.539	276	425227	77.46	ng	91

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M32191.D
Acq On : 02/ 9/11 11:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02709/11 12:07
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 9M32191.D\data.ms
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,P
2,4,6-Trichlorophenol,C
2-Fluorobiphenyl,I
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,T
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,T
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
Nitrosodiphenylamine,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 9M32191.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,C
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32190.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:06
Acq On : 02/ 9/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.564	152	137128	40.00	ng	0.00
29) Naphthalene-d8	6.585	136	534043	40.00	ng	0.00
47) Acenaphthene-d10	7.976	164	292635	40.00	ng	0.00
74) Phenanthrene-d10	9.404	188	471630	40.00	ng	0.00
88) Chrysene-d12	12.437	240	361280	40.00	ng	0.01
100) Perylene-d12	14.020	264	272703	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.333	112	564267	127.21	ng	0.00
Spiked Amount 100.000			Recovery = 127.21%			
15) Phenol-d5	5.264	99	751476	122.13	ng	0.02
Spiked Amount 100.000			Recovery = 122.13%			
30) Nitrobenzene-d5	6.024	128	141628	63.55	ng	0.00
Spiked Amount 50.000			Recovery = 127.10%			
52) 2-Fluorobiphenyl	7.409	172	551217	58.06	ng	0.00
Spiked Amount 50.000			Recovery = 116.12%			
77) 2,4,6-Tribromophenol	8.703	330	78115	136.51	ng	0.01
Spiked Amount 100.000			Recovery = 136.51%			
91) Terphenyl-d14	11.196	244	467080	65.04	ng	0.00
Spiked Amount 50.000			Recovery = 130.08%			
Target Compounds						Qvalue
8) Pyridine	2.643	79	651094	127.04	ng	77
9) N-Nitrosodimethylamine	2.601	74	408911	132.46	ng	76
11) Benzaldehyde	5.179	77	257002	95.52	ng	79
12) Aniline	5.286	93	890620	131.48	ng	40
13) Pentachloroethane	5.318	117	182880	116.80	ng	87
14) bis(2-Chloroethyl)ether	5.355	93	572815	115.12	ng	82
16) Phenol	5.280	94	802544	117.83	ng	82
17) 2-Chlorophenol	5.387	128	593510	120.37	ng	83
18) N-Decane	5.441	57	697321	109.76	ng	85
19) 1,3-Dichlorobenzene	5.516	146	596892	116.01	ng	97
20) 1,4-Dichlorobenzene	5.580	146	608304	115.91	ng	98
21) 1,2-Dichlorobenzene	5.703	146	567755	115.12	ng	99
22) Benzyl alcohol	5.692	108	402631	120.47	ng	72
23) bis(2-chloroisopropyl)...	5.804	45	815942	113.46	ng	95
24) 2-Methylphenol	5.783	108	549302	123.92	ng	98
25) Acetophenone	5.911	105	828141	121.99	ng	68
26) Hexachloroethane	5.981	117	229703	119.94	ng	97
27) N-Nitroso-di-n-propyla...	5.922	70	420157	114.79	ng	68
28) 3&4-Methylphenol	5.922	108	545102	119.76	ng	99
31) Nitrobenzene	6.045	77	590440	120.05	ng	77
32) Isophorone	6.238	82	1167986	122.12	ng	85
33) 2-Nitrophenol	6.291	139	298757	135.28	ng	87
34) 2,4-Dimethylphenol	6.329	107	564463	121.28	ng	93
35) Benzoic Acid	6.468	105	418121	138.71	ng	88
36) bis(2-Chloroethoxy)met...	6.403	93	679239	116.51	ng	95
37) 2,4-Dichlorophenol	6.478	162	443351	122.53	ng	91
38) 1,2,4-Trichlorobenzene	6.537	180	460256	118.54	ng	99
39) Naphthalene	6.601	128	1657153	112.28	ng	99
40) 4-Chloroaniline	6.639	127	513261	116.41	ng	100
41) Hexachlorobutadiene	6.692	225	211314	121.34	ng	97
42) Caprolactam	6.970	113	191968	114.37	ng	70
43) 4-Chloro-3-methylphenol	7.008	107	509146	121.89	ng	84
44) 2-Methylnaphthalene	7.125	142	1063299	115.14	ng	100
45) Methylnaphthalenes (To...	7.125	142	1063299	115.14	ng	100
46) 1,1'-Biphenyl	7.495	154	1387901	114.64	ng	95
48) 1,2,4,5-Tetrachloroben...	7.254	216	414293	120.57	ng	98
49) Hexachlorocyclopentadiene	7.243	237	221010	152.63	ng	100
50) 2,4,6-Trichlorophenol	7.345	196	283808	126.09	ng	100
51) 2,4,5-Trichlorophenol	7.377	196	288049	121.33	ng	99
53) 2-Chloronaphthalene	7.511	162	934310	112.19	ng	95
54) 1,4-Dimethylnaphthalene	7.789	156	772506	109.25	ng	90
55) Dimethylnaphthalenes (...	7.789	156	772506	109.25	ng	90
56) Diphenyl Ether	7.575	170	773181	121.40	ng	81
57) 2-Nitroaniline	7.596	65	373032	123.85	ng	57
58) Coumarin	7.783	146	405377	110.59	ng	75
59) Acenaphthylene	7.864	152	1579117	112.81	ng	99
60) Dimethylphthalate	7.751	163	1116548	116.95	ng	97
61) 2,6-Dinitrotoluene	7.799	165	242464	128.21	ng	63
62) Acenaphthene	8.013	153	1005166	112.73	ng	97
63) 3-Nitroaniline	7.944	138	266385	122.88	ng	69
64) 2,4-Dinitrophenol	8.029	184	103135	191.43	ng	88
65) Dibenzofuran	8.163	168	1337329	112.48	ng	87

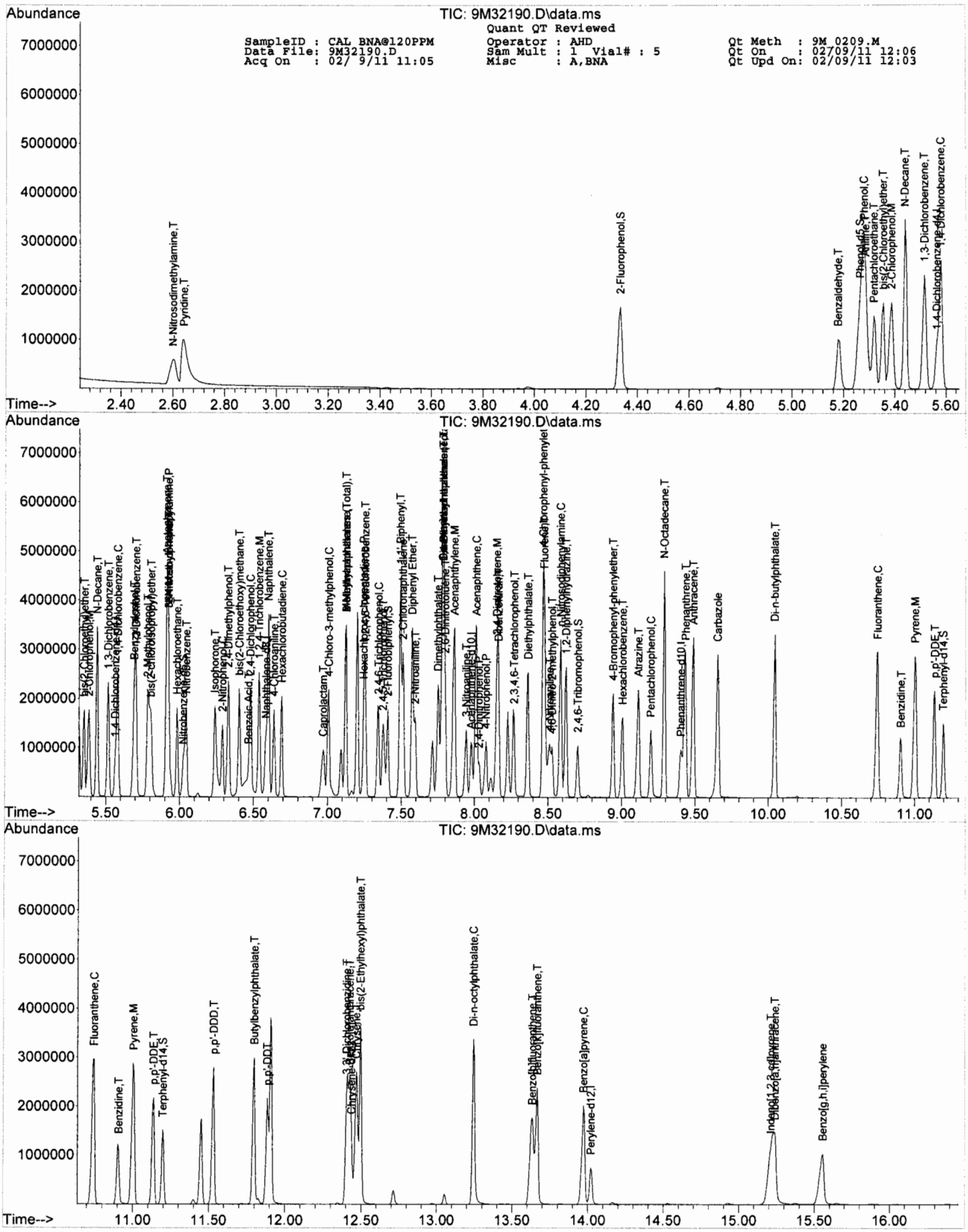
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32190.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:06
Acq On : 02/ 9/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.152	165	331198	139.18	ng	72
67) 4-Nitrophenol	8.078	65	224071m	132.97	ng	
68) 2,3,4,6-Tetrachlorophenol	8.270	232	213356	125.84	ng	93
69) Fluorene	8.473	166	1117321	112.33	ng	99
70) 4-Chlorophenyl-phenyle...	8.468	204	479485	116.14	ng	91
71) Diethylphthalate	8.366	149	1116382	116.23	ng	96
72) 4-Nitroaniline	8.511	138	322991	123.39	ng	73
73) Atrazine	9.115	200	317895	127.98	ng	96
75) 4,6-Dinitro-2-methylph...	8.527	198	145037	197.13	ng	48
76) n-Nitrosodiphenylamine	8.586	169	970835	116.89	ng	98
78) 1,2-Diphenylhydrazine	8.623	77	1193459	113.46	ng	80
79) 4-Bromophenyl-phenylether	8.944	248	235401	124.27	ng	96
80) Hexachlorobenzene	9.008	284	206676	122.48	ng	82
81) N-Octadecane	9.292	57	901385	113.62	ng	82
82) Pentachlorophenol	9.201	266	144626	139.07	ng	97
83) Phenanthrene	9.436	178	1485822	113.25	ng	99
84) Anthracene	9.490	178	1524816	115.11	ng	100
85) Carbazole	9.655	167	1541584	115.67	ng	98
86) Di-n-butylphthalate	10.046	149	1913374	121.96	ng	98
87) Fluoranthene	10.746	202	1587204	121.74	ng	97
89) Pyrene	11.003	202	1558687	122.66	ng	98
90) Benzidine	10.907	184	554251	136.57	ng	89
92) p,p'-DDE	11.137	246	273446	127.49	ng	91
93) p,p'-DDD	11.533	235	566268	130.46	ng	88
94) Butylbenzylphthalate	11.800	149	826605	128.68	ng	75
95) p,p'-DDT	11.886	235	397215	161.69	ng	93
96) 3,3'-Dichlorobenzidine	12.405	252	335359	129.03	ng	99
97) Benzo[a]anthracene	12.426	228	1274466	120.55	ng	100
98) Chrysene	12.469	228	1195931	118.52	ng	99
99) bis(2-Ethylhexyl)phtha...	12.496	149	1092647	125.63	ng	91
101) Di-n-octylphthalate	13.244	149	1917014	146.40	ng	100
102) Benzo[b]fluoranthene	13.635	252	1135784	138.54	ng	98
103) Benzo[k]fluoranthene	13.667	252	933778	115.94	ng	99
104) Benzo[a]pyrene	13.972	252	963620	125.09	ng	99
105) Indeno[1,2,3-cd]pyrene	15.213	276	852293	111.16	ng	92
106) Dibenzo[a,h]anthracene	15.239	278	674422	112.99	ng	97
107) Benzo[g,h,i]perylene	15.555	276	684180	107.26	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 9M32190.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M32190.D
Acq On : 02/ 9/11 11:05
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M 0209.M
Qt On : 02/09/11 12:06
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32190.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,M
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
2-Methylnaphthalene,T
2-Chloronaphthalene,T
Diphenyl Ether,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32190.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,C
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32189.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 10:38 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.564	152	79250	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	313216	40.00	ng	0.00
47) Acenaphthene-d10	7.970	164	179527	40.00	ng	0.00
74) Phenanthrene-d10	9.399	188	294440	40.00	ng	0.00
88) Chrysene-d12	12.431	240	234583	40.00	ng	0.00
100) Perylene-d12	14.031	264	196771	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.328	112	447299	174.48	ng	0.00
Spiked Amount 100.000			Recovery = 174.48%			
15) Phenol-d5	5.259	99	604936	170.12	ng	0.01
Spiked Amount 100.000			Recovery = 170.12%			
30) Nitrobenzene-d5	6.024	128	111126	85.02	ng	0.00
Spiked Amount 50.000			Recovery = 170.04%			
52) 2-Fluorobiphenyl	7.404	172	451142	77.46	ng	0.00
Spiked Amount 50.000			Recovery = 154.92%			
77) 2,4,6-Tribromophenol	8.698	330	64758	181.27	ng	0.00
Spiked Amount 100.000			Recovery = 181.27%			
91) Terphenyl-d14	11.196	244	401466	86.10	ng	0.00
Spiked Amount 50.000			Recovery = 172.20%			
Target Compounds						Qvalue
8) Pyridine	2.627	79	515978	174.20	ng	78
9) N-Nitrosodimethylamine	2.584	74	319929	179.32	ng	75
11) Benzaldehyde	5.178	77	152409	98.01	ng	77
12) Aniline	5.280	93	713874	182.35	ng	40
13) Pentachloroethane	5.318	117	145172	160.43	ng	88
14) bis(2-Chloroethyl)ether	5.350	93	458590	159.48	ng	81
16) Phenol	5.269	94	656580	166.81	ng	95
17) 2-Chlorophenol	5.382	128	477441	167.55	ng	84
18) N-Decane	5.441	57	548644	149.42	ng	85
19) 1,3-Dichlorobenzene	5.515	146	474168	159.47	ng	98
20) 1,4-Dichlorobenzene	5.574	146	477848	157.55	ng	98
21) 1,2-Dichlorobenzene	5.703	146	447993	157.18	ng	99
22) Benzyl alcohol	5.687	108	324670	168.08	ng	73
23) bis(2-chloroisopropyl)...	5.799	45	650219	156.44	ng	94
24) 2-Methylphenol	5.783	108	440273	171.86	ng	99
25) Acetophenone	5.906	105	664449	169.36	ng	68
26) Hexachloroethane	5.981	117	179821	162.46	ng	94
27) N-Nitroso-di-n-propyla...	5.911	70	338433	159.99	ng	71
28) 3&4-Methylphenol	5.917	108	439947	167.25	ng	100
31) Nitrobenzene	6.040	77	471151	163.34	ng	78
32) Isophorone	6.232	82	930880	165.94	ng	85
33) 2-Nitrophenol	6.286	139	234582	181.11	ng	88
34) 2,4-Dimethylphenol	6.323	107	461261	168.98	ng	93
35) Benzoic Acid	6.451	105	383967m	217.18	ng	
36) bis(2-Chloroethoxy)met...	6.398	93	543679	159.01	ng	95
37) 2,4-Dichlorophenol	6.478	162	355363	167.45	ng	88
38) 1,2,4-Trichlorobenzene	6.537	180	363250	159.51	ng	99
39) Naphthalene	6.596	128	1345623	155.45	ng	99
40) 4-Chloroaniline	6.633	127	385442	149.05	ng	100
41) Hexachlorobutadiene	6.687	225	168358	164.83	ng	96
42) Caprolactam	6.960	113	163009	165.59	ng	71
43) 4-Chloro-3-methylphenol	7.002	107	420733	171.74	ng	84
44) 2-Methylnaphthalene	7.120	142	867753	160.21	ng	100
45) Methylnaphthalenes (To...	7.120	142	867753	160.21	ng	100
46) 1,1'-Biphenyl	7.489	154	1143371	161.02	ng	95
48) 1,2,4,5-Tetrachloroben...	7.248	216	336568	159.66	ng	97
49) Hexachlorocyclopentadiene	7.243	237	176888	199.12	ng	99
50) 2,4,6-Trichlorophenol	7.339	196	233617	169.19	ng	100
51) 2,4,5-Trichlorophenol	7.371	196	238748	163.93	ng	99
53) 2-Chloronaphthalene	7.505	162	771267	150.96	ng	96
54) 1,4-Dimethylnaphthalene	7.783	156	639941	147.52	ng	91
55) Dimethylnaphthalenes (...	7.783	156	639941	147.52	ng	91
56) Diphenyl Ether	7.569	170	628244	160.80	ng	83
57) 2-Nitroaniline	7.591	65	307629	166.49	ng	56
58) Coumarin	7.778	146	342933	152.50	ng	75
59) Acenaphthylene	7.858	152	1316121	153.26	ng	100
60) Dimethylphthalate	7.746	163	923960	157.75	ng	98
61) 2,6-Dinitrotoluene	7.794	165	199104	171.61	ng	59
62) Acenaphthene	8.003	153	837822	153.16	ng	97
63) 3-Nitroaniline	7.938	138	213944	160.86	ng	72
64) 2,4-Dinitrophenol	8.024	184	86733	262.41	ng	90
65) Dibenzofuran	8.158	168	1121376	153.74	ng	87

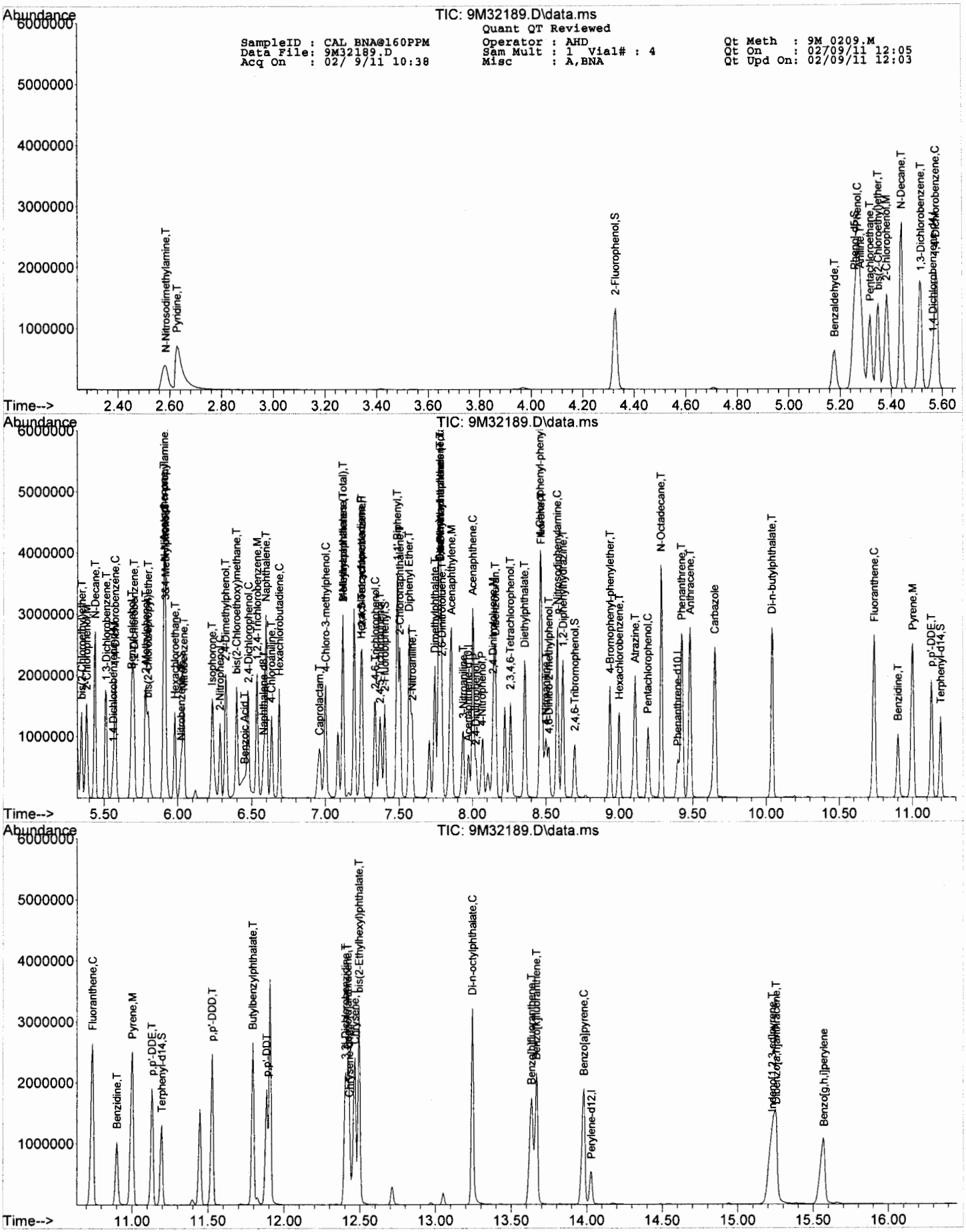
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32189.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 10:38 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.142	165	277180	189.87	ng	72
67)	4-Nitrophenol	8.067	65	194003	187.67	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.259	232	178071	171.20	ng	93
69)	Fluorene	8.468	166	942113	154.39	ng	99
70)	4-Chlorophenyl-phenyle...	8.463	204	393532	155.38	ng	92
71)	Diethylphthalate	8.356	149	932411	158.23	ng	97
72)	4-Nitroaniline	8.500	138	279273	173.91	ng	73
73)	Atrazine	9.110	200	268124	175.95	ng	96
75)	4,6-Dinitro-2-methylph...	8.521	198	125460	273.14	ng	52
76)	n-Nitrosodiphenylamine	8.580	169	813645	156.92	ng	99
78)	1,2-Diphenylhydrazine	8.618	77	1006554	153.27	ng	80
79)	4-Bromophenyl-phenylether	8.939	248	192386	162.68	ng	98
80)	Hexachlorobenzene	9.003	284	169725	161.11	ng	85
81)	N-Octadecane	9.286	57	756854	152.82	ng	83
82)	Pentachlorophenol	9.195	266	125864	193.86	ng	96
83)	Phenanthrene	9.425	178	1263397	154.25	ng	99
84)	Anthracene	9.484	178	1298312	157.00	ng	100
85)	Carbazole	9.650	167	1326239	159.39	ng	98
86)	Di-n-butylphthalate	10.040	149	1628401	166.26	ng	98
87)	Fluoranthene	10.741	202	1344334	165.16	ng	100
89)	Pyrene	11.003	202	1342718	162.73	ng	96
90)	Benzidine	10.902	184	459396	174.33	ng	91
92)	p,p'-DDE	11.132	246	234114	168.10	ng	90
93)	p,p'-DDD	11.527	235	481633	170.89	ng	87
94)	Butylbenzylphthalate	11.795	149	714917	171.40	ng	79
95)	p,p'-DDT	11.886	235	348200	218.29	ng	93
96)	3,3'-Dichlorobenzidine	12.405	252	280913	166.45	ng	98
97)	Benzo[a]anthracene	12.421	228	1127284	164.22	ng	99
98)	Chrysene	12.469	228	1047632	159.90	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.495	149	953528	168.85	ng	91
101)	Di-n-octylphthalate	13.244	149	1679875	177.80	ng	100
102)	Benzo[b]fluoranthene	13.635	252	1034193	174.83	ng	98
103)	Benzo[k]fluoranthene	13.667	252	915243	157.49	ng	99
104)	Benzo[a]pyrene	13.982	252	939116	168.96	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.229	276	929978	168.10	ng	69
106)	Dibenzo[a,h]anthracene	15.255	278	726106	168.59	ng	98
107)	Benzo[g,h,i]perylene	15.571	276	758435	164.79	ng	92

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


TIC: 9M32189.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M32189.D
Acq On : 02/ 9/11 10:38
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02709/11 12:05
Qt Upd On: 02/09/11 12:03
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32188.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 10:15 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.564	152	78479	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	315500	40.00	ng	0.00
47) Acenaphthene-d10	7.971	164	179368	40.00	ng	0.00
74) Phenanthrene-d10	9.399	188	301531	40.00	ng	0.00
88) Chrysene-d12	12.437	240	238812	40.00	ng	0.01
100) Perylene-d12	14.025	264	198861	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.328	112	536038	211.15	ng	0.00
Spiked Amount 100.000			Recovery = 211.15%			
15) Phenol-d5	5.259	99	711948	202.18	ng	0.01
Spiked Amount 100.000			Recovery = 202.18%			
30) Nitrobenzene-d5	6.024	128	133568	101.45	ng	0.00
Spiked Amount 50.000			Recovery = 202.90%			
52) 2-Fluorobiphenyl	7.404	172	541341	93.02	ng	0.00
Spiked Amount 50.000			Recovery = 186.04%			
77) 2,4,6-Tribromophenol	8.698	330	79428	217.10	ng	0.00
Spiked Amount 100.000			Recovery = 217.10%			
91) Terphenyl-d14	11.196	244	485777	102.34	ng	0.00
Spiked Amount 50.000			Recovery = 204.68%			
Target Compounds						Qvalue
8) Pyridine	2.627	79	628098	214.14	ng	78
9) N-Nitrosodimethylamine	2.584	74	385689	218.30	ng	75
11) Benzaldehyde	5.179	77	142275	92.39	ng	74
12) Aniline	5.286	93	837032	215.91	ng	40
13) Pentachloroethane	5.318	117	169037	188.64	ng	88
14) bis(2-Chloroethyl)ether	5.350	93	533389	187.31	ng	83
16) Phenol	5.275	94	768687	197.21	ng	88
17) 2-Chlorophenol	5.387	128	556066	197.05	ng	82
18) N-Decane	5.441	57	638524	175.61	ng	84
19) 1,3-Dichlorobenzene	5.516	146	554923	188.46	ng	98
20) 1,4-Dichlorobenzene	5.580	146	562630	187.32	ng	97
21) 1,2-Dichlorobenzene	5.703	146	526966	186.70	ng	98
22) Benzyl alcohol	5.692	108	381360	199.37	ng	72
23) bis(2-chloroisopropyl)...	5.804	45	759471	184.53	ng	95
24) 2-Methylphenol	5.783	108	521040	205.38	ng	99
25) Acetophenone	5.906	105	781776	201.22	ng	67
26) Hexachloroethane	5.981	117	211466	192.93	ng	94
27) N-Nitroso-di-n-propyla...	5.917	70	401426	191.63	ng	69
28) 3&4-Methylphenol	5.917	108	514891	197.67	ng	98
31) Nitrobenzene	6.040	77	561914	193.39	ng	80
32) Isophorone	6.238	82	1118590	197.96	ng	85
33) 2-Nitrophenol	6.286	139	277102	212.39	ng	90
34) 2,4-Dimethylphenol	6.329	107	547650	199.17	ng	92
35) Benzoic Acid	6.468	105	429142	240.98	ng	87
36) bis(2-Chloroethoxy)met...	6.403	93	644653	187.18	ng	94
37) 2,4-Dichlorophenol	6.478	162	421028	196.96	ng	90
38) 1,2,4-Trichlorobenzene	6.537	180	433025	188.78	ng	99
39) Naphthalene	6.596	128	1584356	181.71	ng	99
40) 4-Chloroaniline	6.633	127	407875	156.58	ng	100
41) Hexachlorobutadiene	6.687	225	199102	193.52	ng	97
42) Caprolactam	6.970	113	196418	198.08	ng	70
43) 4-Chloro-3-methylphenol	7.002	107	506637	205.30	ng	86
44) 2-Methylnaphthalene	7.120	142	1020783	187.10	ng	99
45) Methylnaphthalenes (To...	7.120	142	1020783	187.10	ng	99
46) 1,1'-Biphenyl	7.489	154	1345794	188.16	ng	95
48) 1,2,4,5-Tetrachloroben...	7.248	216	394841	187.47	ng	97
49) Hexachlorocyclopentadiene	7.243	237	211780	238.61	ng	99
50) 2,4,6-Trichlorophenol	7.339	196	276314	200.29	ng	100
51) 2,4,5-Trichlorophenol	7.372	196	289595	199.01	ng	98
53) 2-Chloronaphthalene	7.505	162	917059	179.66	ng	96
54) 1,4-Dimethylnaphthalene	7.783	156	748354	172.66	ng	91
55) Dimethylnaphthalenes (...	7.783	156	748354	172.66	ng	91
56) Diphenyl Ether	7.569	170	748633	191.78	ng	83
57) 2-Nitroaniline	7.591	65	368688	199.71	ng	58
58) Coumarin	7.778	146	403063	179.40	ng	75
59) Acenaphthylene	7.858	152	1563977	182.29	ng	99
60) Dimethylphthalate	7.751	163	1105796	188.97	ng	98
61) 2,6-Dinitrotoluene	7.794	165	237596	204.97	ng	66
62) Acenaphthene	8.008	153	996493	182.33	ng	97
63) 3-Nitroaniline	7.938	138	254443	191.48	ng	67
64) 2,4-Dinitrophenol	8.029	184	109411	331.31	ng	81
65) Dibenzofuran	8.158	168	1327810	182.20	ng	88

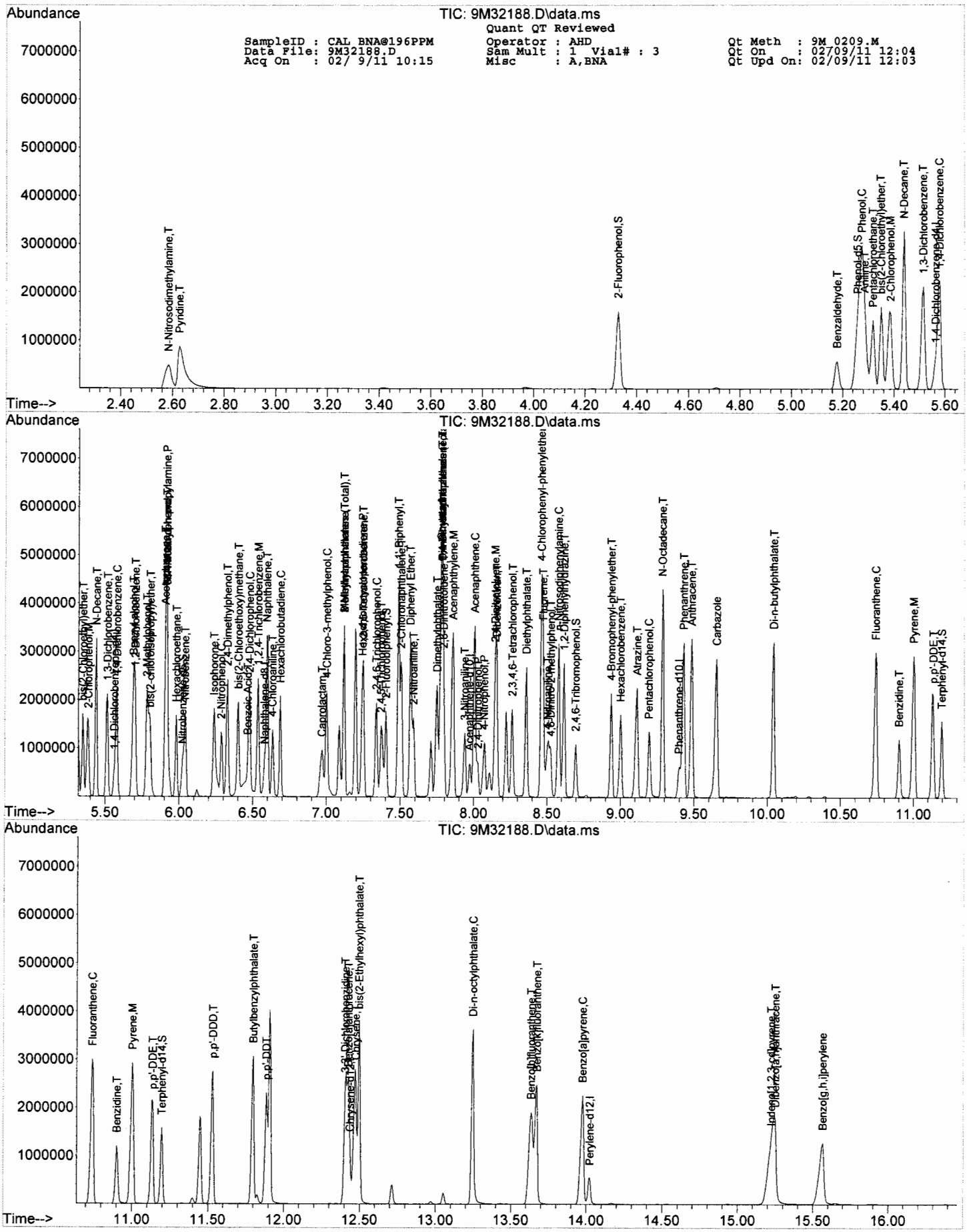
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32188.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 10:15 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.147	165	333137	228.40	ng	74
67)	4-Nitrophenol	8.072	65	236282	228.77	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.265	232	216174	208.01	ng	93
69)	Fluorene	8.473	166	1117946	183.37	ng	99
70)	4-Chlorophenyl-phenyle...	8.463	204	467091	184.58	ng	93
71)	Diethylphthalate	8.361	149	1116492	189.64	ng	96
72)	4-Nitroaniline	8.505	138	337238	210.19	ng	73
73)	Atrazine	9.115	200	322846	212.05	ng	96
75)	4,6-Dinitro-2-methylph...	8.527	198	156437	332.58	ng	53
76)	n-Nitrosodiphenylamine	8.580	169	969975	182.67	ng	99
78)	1,2-Diphenylhydrazine	8.618	77	1212145	180.24	ng	82
79)	4-Bromophenyl-phenylether	8.939	248	232298	191.82	ng	95
80)	Hexachlorobenzene	9.003	284	205147	190.15	ng	88
81)	N-Octadecane	9.286	57	893359	176.14	ng	82
82)	Pentachlorophenol	9.195	266	149795	225.29	ng	99
83)	Phenanthrene	9.431	178	1510924	180.13	ng	100
84)	Anthracene	9.484	178	1553076	183.39	ng	99
85)	Carbazole	9.655	167	1596806	187.39	ng	98
86)	Di-n-butylphthalate	10.046	149	1949056	194.32	ng	98
87)	Fluoranthene	10.741	202	1624419	194.88	ng	99
89)	Pyrene	11.003	202	1608361	191.47	ng	98
90)	Benzidine	10.902	184	533170	198.75	ng	91
92)	p,p'-DDE	11.137	246	284047	200.34	ng	90
93)	p,p'-DDD	11.533	235	583747	203.45	ng	87
94)	Butylbenzylphthalate	11.800	149	868629	204.57	ng	76
95)	p,p'-DDT	11.886	235	430282	264.97	ng	93
96)	3,3'-Dichlorobenzidine	12.405	252	325747	189.60	ng	99
97)	Benzo[a]anthracene	12.426	228	1361604	194.84	ng	100
98)	Chrysene	12.474	228	1273162	190.88	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.496	149	1150250	200.08	ng	90
101)	Di-n-octylphthalate	13.250	149	2042790	213.94	ng	100
102)	Benzo[b]fluoranthene	13.635	252	1242541	207.85	ng	99
103)	Benzo[k]fluoranthene	13.672	252	1107020	188.48	ng	99
104)	Benzo[a]pyrene	13.977	252	1124642	200.21	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.223	276	1095138	195.87	ng	67
106)	Dibenzo[a,h]anthracene	15.250	278	856495	196.77	ng	98
107)	Benzo[g,h,i]perylene	15.566	276	898434	193.16	ng	91

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


Abundance
TIC: 9M32188.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M32188.D
Acq On : 02/ 9/11 10:15
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M 0209.M
Qt On : 02/09/11 12:04
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->
Abundance
TIC: 9M32188.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 9M32188.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Chrysene-d12,S
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32195.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:42
Acq On : 02/ 9/11 13:00 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.558	152	85533	40.00 ng	0.00
29) Naphthalene-d8	6.575	136	344478	40.00 ng	0.00
47) Acenaphthene-d10	7.965	164	191009	40.00 ng	-0.01
74) Phenanthrene-d10	9.388	188	314722	40.00 ng	-0.01
88) Chrysene-d12	12.415	240	256626	40.00 ng	-0.01
100) Perylene-d12	14.009	264	218278	40.00 ng	-0.02
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.772	108	1301	0.47 ng	91
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.901	108	1337	0.47 ng	92
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.313	107	1239	0.41 ng	86
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.591	128	5085	0.53 ng	99
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D. d	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.142	168	4040	0.52 ng	90

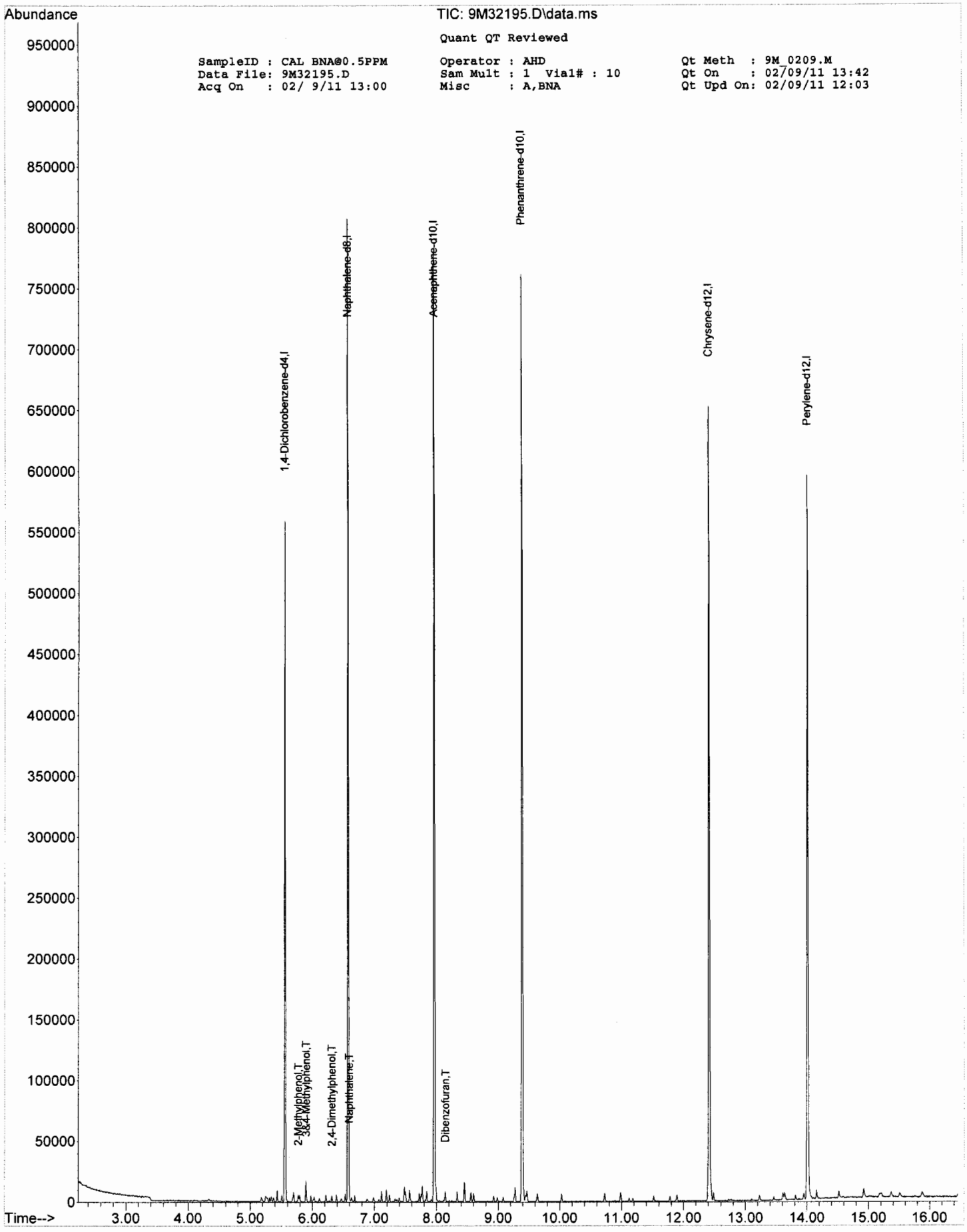
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32195.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:42
Acq On : 02/ 9/11 13:00 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D. d	
67)	4-Nitrophenol	0.000		0	N.D. d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
69)	Fluorene	0.000		0	N.D. d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D. d	
71)	Diethylphthalate	0.000		0	N.D. d	
72)	4-Nitroaniline	0.000		0	N.D. d	
73)	Atrazine	0.000		0	N.D. d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.	
76)	n-Nitrosodiphenylamine	0.000		0	N.D. d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D. d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D. d	
80)	Hexachlorobenzene	0.000		0	N.D. d	
81)	N-Octadecane	0.000		0	N.D. d	
82)	Pentachlorophenol	0.000		0	N.D.	
83)	Phenanthrene	0.000		0	N.D. d	
84)	Anthracene	0.000		0	N.D. d	
85)	Carbazole	0.000		0	N.D. d	
86)	Di-n-butylphthalate	0.000		0	N.D. d	
87)	Fluoranthene	0.000		0	N.D. d	
89)	Pyrene	0.000		0	N.D. d	
90)	Benzidine	0.000		0	N.D. d	
92)	p,p'-DDE	0.000		0	N.D. d	
93)	p,p'-DDD	0.000		0	N.D. d	
94)	Butylbenzylphthalate	0.000		0	N.D. d	
95)	p,p'-DDT	0.000		0	N.D. d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D. d	
97)	Benzo[a]anthracene	0.000		0	N.D. d	
98)	Chrysene	0.000		0	N.D. d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D. d	
101)	Di-n-octylphthalate	0.000		0	N.D. d	
102)	Benzo[b]fluoranthene	0.000		0	N.D. d	
103)	Benzo[k]fluoranthene	0.000		0	N.D. d	
104)	Benzo[a]pyrene	0.000		0	N.D. d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D. d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D. d	

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


Abundance
TIC: 9M32195.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 9M32195.D
Acq On : 02/ 9/11 13:00
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 13:42
Qt Upd On: 02/09/11 12:03
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
950000
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0203

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19424.	CAL BNA@50PPM	02/09/11 13:01	2	10M19422.	CAL BNA@2PPM	02/09/11 12:17
3	10M19421.	CAL BNA@10PPM	02/09/11 11:55	4	10M19420.	CAL BNA@20PPM	02/09/11 11:33
5	10M19419.	CAL BNA@80PPM	02/09/11 11:10	6	10M19418.	CAL BNA@120PPM	02/09/11 10:48
7	10M19417.	CAL BNA@160PPM	02/09/11 10:26	8	10M19416.	CAL BNA@196PPM	02/09/11 10:03
9	10M19423.	CAL BNA@0.5PPM	02/09/11 12:39				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.7898	1.1871	1.6384	1.6164	1.6065	1.6266	1.5953	1.6397	-----	1.59	2.86	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1249	0.8431	0.9567	0.9560	0.9274	0.9797	0.9798	0.9856	-----	0.969	2.79	0.998	0.998	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.5545	1.1694	1.3503	1.3751	1.3309	1.3822	1.4091	1.3903	-----	1.37	4.48	0.999	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Avg	0.9907	1.1010	1.0554	1.1059	0.8147	-----	-----	-----	-----	1.01	5.31	0.986	0.998	12		50.00	2.00	10.00	20.00	80.00				
Aniline	1	0	Avg	2.4672	1.5417	1.7675	2.0910	2.1077	2.1226	2.0486	1.9004	-----	2.01	5.40	0.992	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.5483	0.5249	0.5070	0.4943	0.4753	0.4787	0.4794	0.4618	-----	0.496	5.44	0.998	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5594	1.4824	1.4996	1.4420	1.3330	1.3400	1.3494	1.2656	-----	1.41	5.46	0.996	0.998	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.9286	1.5927	1.8289	1.8251	1.7071	1.7235	1.7202	1.6789	-----	1.75	5.37	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1905	1.9681	2.0414	2.0874	1.9089	1.8779	1.8877	1.7683	-----	1.97	5.38	0.996	0.999	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5426	1.2902	1.4484	1.4661	1.3527	1.3909	1.4044	1.3234	-----	1.40	5.50	0.998	0.998	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.4290	2.4780	2.4993	2.3198	2.0902	2.0748	1.9919	1.9204	-----	2.23	5.55	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6000	1.5594	1.6481	1.5729	1.4392	1.4206	1.4097	1.3680	-----	1.50	5.63	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6024	1.5632	1.6050	1.5939	1.4655	1.4303	1.4231	1.3825	-----	1.51	5.70	0.999	1.00	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5595	1.5650	1.5633	1.4921	1.4005	1.3733	1.3680	1.2788	-----	1.45	5.82	0.996	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0799	0.8474	0.9806	1.0057	0.9671	0.9541	0.9806	0.9139	-----	0.966	5.80	0.997	0.998	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	3.5834	3.5825	3.4314	3.3713	3.0479	2.9787	2.8703	2.7482	-----	3.20	5.91	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.5029	1.2615	1.4417	1.4486	1.3391	1.3298	1.3350	1.2798	1.1819	1.35	5.90	0.998	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2732	2.1767	2.3264	2.2551	1.9441	1.8880	1.8045	1.7538	-----	2.05	6.01	0.995	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6880	0.6428	0.6830	0.6488	0.6134	0.6110	0.6100	0.5884	-----	0.636	6.10	0.998	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1510	1.0789	1.1937	1.1423	0.9842	0.9477	0.9183	0.8766	-----	1.04	6.02	0.995	0.999	12	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4865	1.3234	1.5201	1.4817	1.2559	1.2271	1.1792	1.1420	1.2570	1.32	6.02	0.995	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1757	0.1348	0.1703	0.1693	0.1662	0.1695	0.1709	0.1655	-----	0.165	6.14	0.999	1.00	7.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4241	0.3836	0.4285	0.3996	0.3953	0.3858	0.3882	0.3676	-----	0.397	6.15	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7467	0.6511	0.7309	0.7415	0.7068	0.6954	0.7086	0.6746	-----	0.707	6.34	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2035	0.1440	0.1869	0.1911	0.1966	0.1907	0.1950	0.1865	-----	0.187	6.40	0.999	0.999	9.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3915	0.3391	0.3738	0.3668	0.3616	0.3430	0.3553	0.3369	0.3266	0.355	6.43	0.998	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2528	-----	0.0981	0.1825	0.2895	0.3094	0.3344	0.3251	-----	0.256	6.51	0.998	0.999	34		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4415	0.4487	0.4469	0.4340	0.4046	0.3955	0.3985	0.3844	-----	0.419	6.51	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2947	0.2418	0.2816	0.2793	0.2784	0.2691	0.2715	0.2543	-----	0.271	6.59	0.997	0.999	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3114	0.3116	0.3184	0.3094	0.2861	0.2752	0.2742	0.2609	-----	0.293	6.65	0.997	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0710	1.0964	1.0704	1.0433	0.9534	0.9215	0.9370	0.8846	1.1621	1.02	6.71	0.997	0.999	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4206	0.2875	0.3254	0.3697	0.3550	0.3033	0.2736	0.2540	-----	0.324	6.75	0.967	0.996	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1433	0.1518	0.1455	0.1373	0.1342	0.1297	0.1342	0.1220	-----	0.137	6.80	0.995	0.998	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1348	0.0900	0.1181	0.1275	0.1281	0.1287	0.1317	0.1364	-----	0.124	7.02	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3390	0.2364	0.3143	0.3214	0.3226	0.3235	0.3246	0.3066	-----	0.311	7.11	0.998	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6900	0.7059	0.6923	0.7075	0.6355	0.5997	0.6046	0.5731	-----	0.651	7.23	0.997	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6900	0.7059	0.6923	0.7075	0.6355	0.5997	0.6046	0.5731	-----	0.651	7.23	0.997	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.8605	0.9186	0.8879	0.8538	0.7905	0.7669	0.7632	0.7167	-----	0.820	7.60	0.997	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4955	0.5047	0.5124	0.5131	0.4523	0.4373	0.4393	0.4186	-----	0.472	7.37	0.998	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.2655	0.1552	0.2290	0.2456	0.2600	0.2554	0.2635	0.2548	-----	0.241	7.36	1.00	1.00	15	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3430	0.2563	0.3224	0.3220	0.3319	0.3178	0.3191	0.3123	-----	0.316	7.45	0.999	1.00	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.86

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0204

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19424.	CAL BNA@50PPM	02/09/11 13:01	2	10M19422.	CAL BNA@2PPM	02/09/11 12:17
3	10M19421.	CAL BNA@10PPM	02/09/11 11:55	4	10M19420.	CAL BNA@20PPM	02/09/11 11:33
5	10M19419.	CAL BNA@80PPM	02/09/11 11:10	6	10M19418.	CAL BNA@120PPM	02/09/11 10:48
7	10M19417.	CAL BNA@160PPM	02/09/11 10:26	8	10M19416.	CAL BNA@196PPM	02/09/11 10:03
9	10M19423.	CAL BNA@0.5PPM	02/09/11 12:39				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3866	0.2448	0.3590	0.3734	0.3570	0.3462	0.3459	0.3382	-----	0.344	7.48	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2714	1.2847	1.2917	1.2366	1.2196	1.1721	1.1956	1.1239	-----	1.22	7.52	0.998	1.00	4.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1898	1.1971	1.2172	1.1882	1.0736	1.0404	1.0544	0.9746	-----	1.12	7.63	0.996	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.8820	0.9217	0.9759	0.8803	0.7882	0.7437	0.7375	0.6830	-----	0.827	7.90	0.994	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8820	0.9217	0.9759	0.8803	0.7882	0.7437	0.7375	0.6830	-----	0.827	7.90	0.994	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8939	0.9193	0.9213	0.8579	0.8117	0.7575	0.7842	0.7448	-----	0.836	7.69	0.997	0.998	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5476	0.4063	0.5116	0.5158	0.5070	0.4802	0.4994	0.4751	-----	0.493	7.70	0.998	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5275	0.5050	0.5166	0.5130	0.4695	0.4363	0.4309	0.4026	-----	0.475	7.89	0.993	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.8543	1.8717	1.9191	1.8659	1.6970	1.6457	1.6555	1.5504	-----	1.76	7.98	0.997	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3595	1.3656	1.3806	1.3175	1.2254	1.2124	1.2248	1.1423	-----	1.28	7.85	0.997	0.999	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2853	0.2577	0.3080	0.2894	0.2630	0.2503	0.2521	0.2351	-----	0.268	7.90	0.996	0.999	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1445	1.1604	1.1783	1.1166	1.0531	1.0094	1.0120	0.9727	-----	1.08	8.13	0.998	0.999	7.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3839	0.2641	0.3394	0.3500	0.3365	0.3135	0.3111	0.2883	-----	0.323	8.05	0.992	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1460	-----	0.0836	0.1160	0.1564	0.1624	0.1731	0.1667	-----	0.143	8.14	0.999	0.999	23	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6167	1.7277	1.7339	1.6084	1.4661	1.4354	1.3832	1.3314	1.7058	1.56	8.28	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4147	0.2771	0.3969	0.3916	0.4036	0.3989	0.4012	0.3823	-----	0.383	8.25	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	LinF	0.3340	0.1923	0.2828	0.3180	0.3251	0.3246	0.3385	0.3312	-----	0.306	8.18	1.00	1.00	16	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2708	0.1591	0.2610	0.2543	0.2564	0.2447	0.2478	0.2366	-----	0.241	8.38	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3071	1.3896	1.3745	1.3214	1.1946	1.1534	1.1358	1.0867	-----	1.25	8.60	0.997	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.5345	0.5688	0.5764	0.5399	0.4839	0.4855	0.4839	0.4640	-----	0.517	8.59	0.999	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3631	1.2089	1.3249	1.3639	1.2919	1.2610	1.2868	1.2089	-----	1.29	8.47	0.998	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4037	0.2856	0.3953	0.3890	0.3801	0.3814	0.3849	0.3679	-----	0.374	8.61	0.999	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3610	0.2896	0.3372	0.3580	0.3473	0.3366	0.3386	0.3262	-----	0.337	9.22	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1307	0.0462	0.0938	0.1108	0.1274	0.1361	0.1352	0.1336	-----	0.114	8.63	0.999	0.999	27		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7168	0.6603	0.6970	0.7013	0.6354	0.6406	0.6299	0.5983	-----	0.660	8.70	0.997	0.999	6.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0778	0.0489	0.0711	0.0719	0.0741	0.0760	0.0764	0.0747	-----	0.0714	8.83	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.0098	0.9434	0.9682	0.9607	0.9139	0.9821	0.9760	0.9333	-----	0.961	8.74	0.998	0.999	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1779	0.1650	0.1760	0.1715	0.1654	0.1671	0.1610	0.1564	-----	0.168	9.07	0.998	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1675	0.1689	0.1723	0.1707	0.1576	0.1596	0.1567	0.1505	-----	0.163	9.13	0.998	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.8971	0.7654	0.8793	0.8695	0.7769	0.7445	0.7157	0.6586	-----	0.788	9.40	0.990	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1134	-----	0.0780	0.0923	0.1090	0.1136	0.1160	0.1148	-----	0.105	9.33	1.00	1.00	14	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1443	1.1393	1.1633	1.1214	1.0177	1.0232	1.0141	0.9762	-----	1.07	9.56	0.998	0.999	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1906	1.0925	1.1828	1.1608	1.0737	1.0623	1.0336	1.0112	-----	1.10	9.62	0.998	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.2087	1.0950	1.2246	1.1778	1.0974	1.0942	1.0737	1.0221	-----	1.12	9.78	0.997	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5486	1.1275	1.4190	1.4210	1.3746	1.4019	1.3600	1.3055	-----	1.37	10.17	0.997	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2500	1.0981	1.2037	1.1992	1.0949	1.1235	1.1112	1.0759	-----	1.14	10.88	0.998	0.999	5.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3952	1.2865	1.3622	1.3773	1.3011	1.2964	1.3092	1.2980	-----	1.33	11.14	1.00	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.7306	0.2301	0.4837	0.6057	0.6554	0.5588	0.5119	0.4878	-----	0.533	11.04	0.976	0.996	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8343	0.7047	0.7782	0.8042	0.7833	0.7764	0.8114	0.8213	-----	0.789	11.33	0.999	0.999	5.1		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.2464	0.2268	0.2270	0.2427	0.2287	0.2323	0.2421	0.2382	-----	0.236	11.27	0.999	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.4790	0.3860	0.4357	0.4666	0.4541	0.4569	0.4637	0.4576	-----	0.450	11.66	1.00	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.86

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_10

0205

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19424.	CAL BNA@50PPM	02/09/11 13:01	2	10M19422.	CAL BNA@2PPM	02/09/11 12:17
3	10M19421.	CAL BNA@10PPM	02/09/11 11:55	4	10M19420.	CAL BNA@20PPM	02/09/11 11:33
5	10M19419.	CAL BNA@80PPM	02/09/11 11:10	6	10M19418.	CAL BNA@120PPM	02/09/11 10:48
7	10M19417.	CAL BNA@160PPM	02/09/11 10:26	8	10M19416.	CAL BNA@196PPM	02/09/11 10:03
9	10M19423.	CAL BNA@0.5PPM	02/09/11 12:39				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7685	0.4663	0.6725	0.7076	0.7231	0.7268	0.7355	0.7264	-----	0.691	11.92	1.00	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3761	0.2517	0.3479	0.3575	0.3631	0.3651	0.3712	0.3667	-----	0.350	12.01	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3740	0.1998	0.2245	0.2850	0.3390	0.3216	0.3231	0.3083	-----	0.297	12.53	0.996	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1807	1.0591	1.1382	1.1263	1.0853	1.1054	1.1153	1.0972	-----	1.11	12.55	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1355	1.0689	1.1304	1.1132	1.0108	1.0145	1.0277	1.0337	-----	1.07	12.60	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0243	0.6288	0.8987	0.9621	0.9346	0.9380	0.9325	0.8953	-----	0.902	12.61	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	1.9470	1.0436	1.6222	1.7765	1.7836	1.8589	1.8310	1.7225	-----	1.70	13.36	0.997	0.999	17	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1658	0.9437	1.1314	1.1303	1.0263	1.0893	1.1204	1.0615	-----	1.08	13.76	0.998	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1513	1.0690	1.1794	1.1376	1.0806	1.0315	0.9890	0.9739	-----	1.08	13.80	0.997	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1604	0.9337	1.1332	1.0995	1.0178	1.0577	1.0336	1.0110	-----	1.06	14.11	0.999	0.999	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2095	0.9788	1.1324	1.1177	1.0823	1.1200	1.1301	1.0824	-----	1.11	15.40	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9821	0.7916	0.9537	0.9190	0.8843	0.8984	0.9004	0.8566	-----	0.898	15.42	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0182	0.9007	0.9721	0.9671	0.9145	0.9508	0.9739	0.9276	-----	0.953	15.75	0.998	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.86

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19424.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:32
Acq On : 02/ 9/11 13:01 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	92929	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	385671	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	209799	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	333518	40.00	ng	0.00
88) Chrysene-d12	12.570	240	304851	40.00	ng	0.00
100) Perylene-d12	14.164	264	287219	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	180575	56.46	ng	0.00
Spiked Amount 100.000			Recovery = 56.46%			
15) Phenol-d5	5.371	99	224035	55.47	ng	0.00
Spiked Amount 100.000			Recovery = 55.47%			
30) Nitrobenzene-d5	6.136	128	42372	25.90	ng	0.00
Spiked Amount 50.000			Recovery = 51.80%			
52) 2-Fluorobiphenyl	7.521	172	166722	29.84	ng	0.00
Spiked Amount 50.000			Recovery = 59.68%			
77) 2,4,6-Tribromophenol	8.826	330	32437	54.29	ng	0.00
Spiked Amount 100.000			Recovery = 54.29%			
91) Terphenyl-d14	11.330	244	158973	26.54	ng	0.00
Spiked Amount 50.000			Recovery = 53.08%			
Target Compounds						Qvalue
8) Pyridine	2.863	79	207906	56.92	ng	95
9) N-Nitrosodimethylamine	2.793	74	130672	59.55	ng	95
11) Benzaldehyde	5.307	77	115091	48.88	ng	78
12) Aniline	5.403	93	286596	62.75	ng	77
13) Pentachloroethane	5.441	117	63696	55.56	ng	93
14) bis(2-Chloroethyl)ether	5.462	93	181151	53.76	ng	97
16) Phenol	5.382	94	254461	56.78	ng	92
17) 2-Chlorophenol	5.505	128	179194	54.95	ng	89
18) N-Decane	5.553	57	282160	54.66	ng	96
19) 1,3-Dichlorobenzene	5.633	146	185869	52.93	ng	97
20) 1,4-Dichlorobenzene	5.697	146	186147	52.93	ng	99
21) 1,2-Dichlorobenzene	5.820	146	181158	54.68	ng	99
22) Benzyl alcohol	5.799	108	125443	56.33	ng	77
23) bis(2-chloroisopropyl)...	5.911	45	416259	56.40	ng	92
24) 2-Methylphenol	5.895	108	174582	57.06	ng	95
25) Acetophenone	6.013	105	264064	54.89	ng	80
26) Hexachloroethane	6.099	117	79927	54.16	ng	100
27) N-Nitroso-di-n-propyla...	6.018	70	133707	55.95	ng	92
28) 3&4-Methylphenol	6.018	108	172676	56.53	ng	97
31) Nitrobenzene	6.152	77	204462	53.05	ng	80
32) Isophorone	6.339	82	360006	52.62	ng	90
33) 2-Nitrophenol	6.398	139	98142	53.64	ng	88
34) 2,4-Dimethylphenol	6.430	107	188740	55.69	ng	100
35) Benzoic Acid	6.505	105	121891	50.03	ng	90
36) bis(2-Chloroethoxy)met...	6.505	93	212878	52.95	ng	97
37) 2,4-Dichlorophenol	6.585	162	142089	54.10	ng	89
38) 1,2,4-Trichlorobenzene	6.650	180	150160	52.68	ng	99
39) Naphthalene	6.708	128	516337	53.16	ng	99
40) 4-Chloroaniline	6.746	127	202774	69.00	ng	90
41) Hexachlorobutadiene	6.799	225	69106	52.26	ng	95
42) Caprolactam	7.024	113	65002	54.15	ng	64
43) 4-Chloro-3-methylphenol	7.109	107	163447	53.26	ng	85
44) 2-Methylnaphthalene	7.233	142	332642	53.50	ng	99
45) Methylnaphthalenes (To...	7.233	142	332642	53.50	ng	99
46) 1,1'-Biphenyl	7.602	154	414837	52.70	ng	97
48) 1,2,4,5-Tetrachloroben...	7.366	216	129964	53.08	ng	98
49) Hexachlorocyclopentadiene	7.356	237	69643	53.99	ng	99
50) 2,4,6-Trichlorophenol	7.452	196	89965	53.83	ng	97
51) 2,4,5-Trichlorophenol	7.484	196	101393	57.39	ng	95
53) 2-Chloronaphthalene	7.628	162	312028	54.12	ng	94
54) 1,4-Dimethylnaphthalene	7.901	156	231307	54.26	ng	96
55) Dimethylnaphthalenes (...	7.901	156	231307	54.26	ng	96
56) Diphenyl Ether	7.687	170	234434	54.50	ng	86
57) 2-Nitroaniline	7.703	65	143621	55.69	ng	73
58) Coumarin	7.885	146	138346	56.08	ng	65
59) Acenaphthylene	7.976	152	486305	53.45	ng	100
60) Dimethylphthalate	7.848	163	356542	54.25	ng	100
61) 2,6-Dinitrotoluene	7.901	165	74830	53.98	ng	78
62) Acenaphthene	8.126	153	300157	53.31	ng	98
63) 3-Nitroaniline	8.051	138	100690	62.51	ng	77
64) 2,4-Dinitrophenol	8.142	184	38293	51.27	ng	47
65) Dibenzofuran	8.281	168	424002	52.55	ng	90

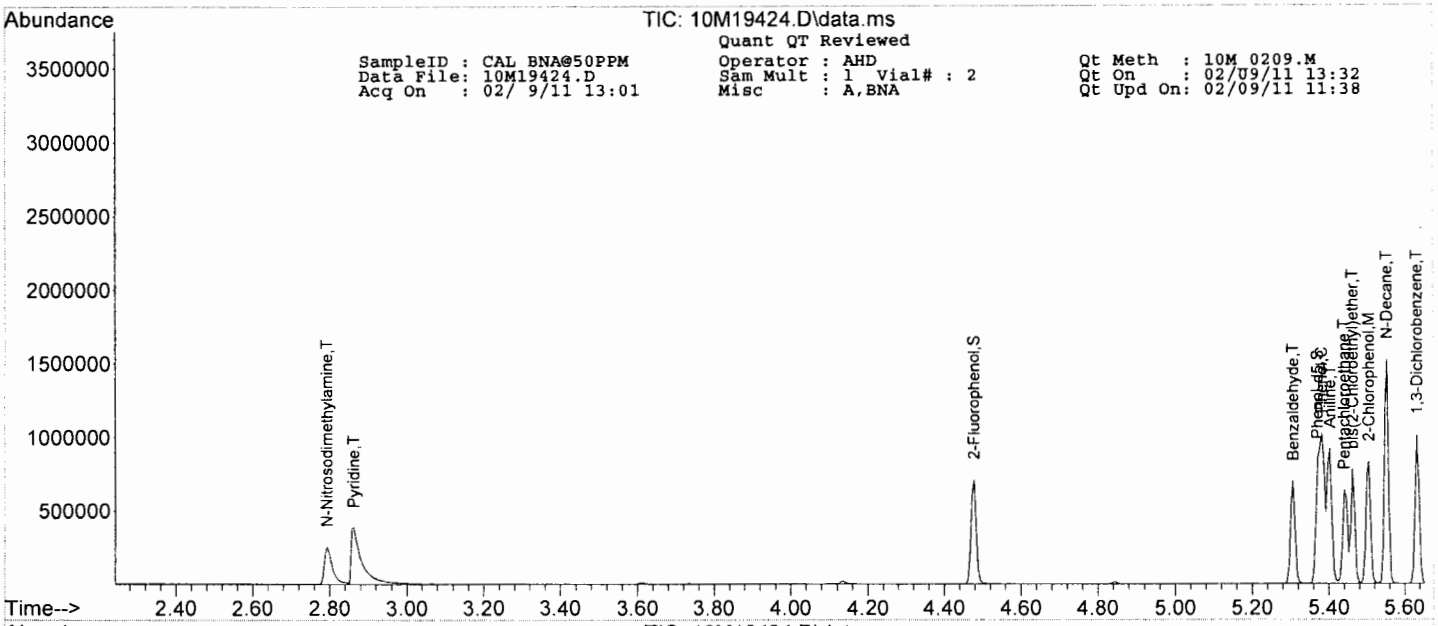
Quantitation Report (QT Reviewed)

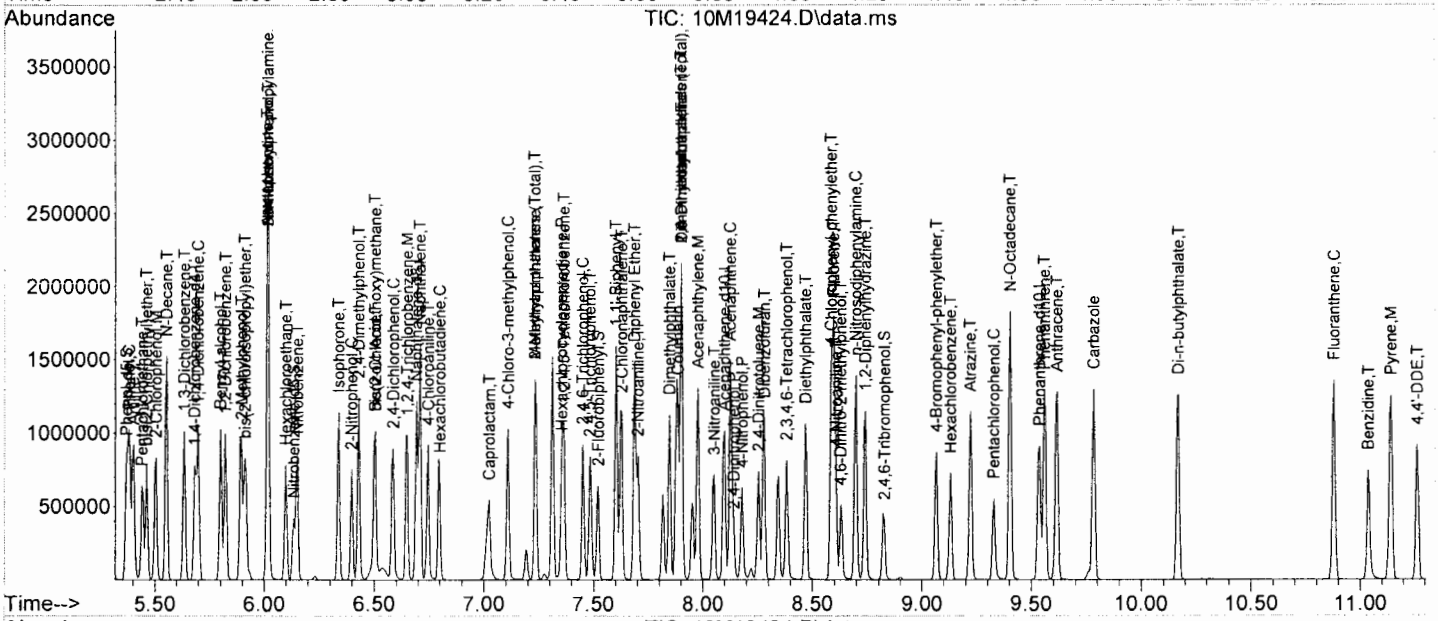
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19424.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:32
Acq On : 02/ 9/11 13:01 Misc : A,BNA Qt Upd On: 02/09/11 11:38

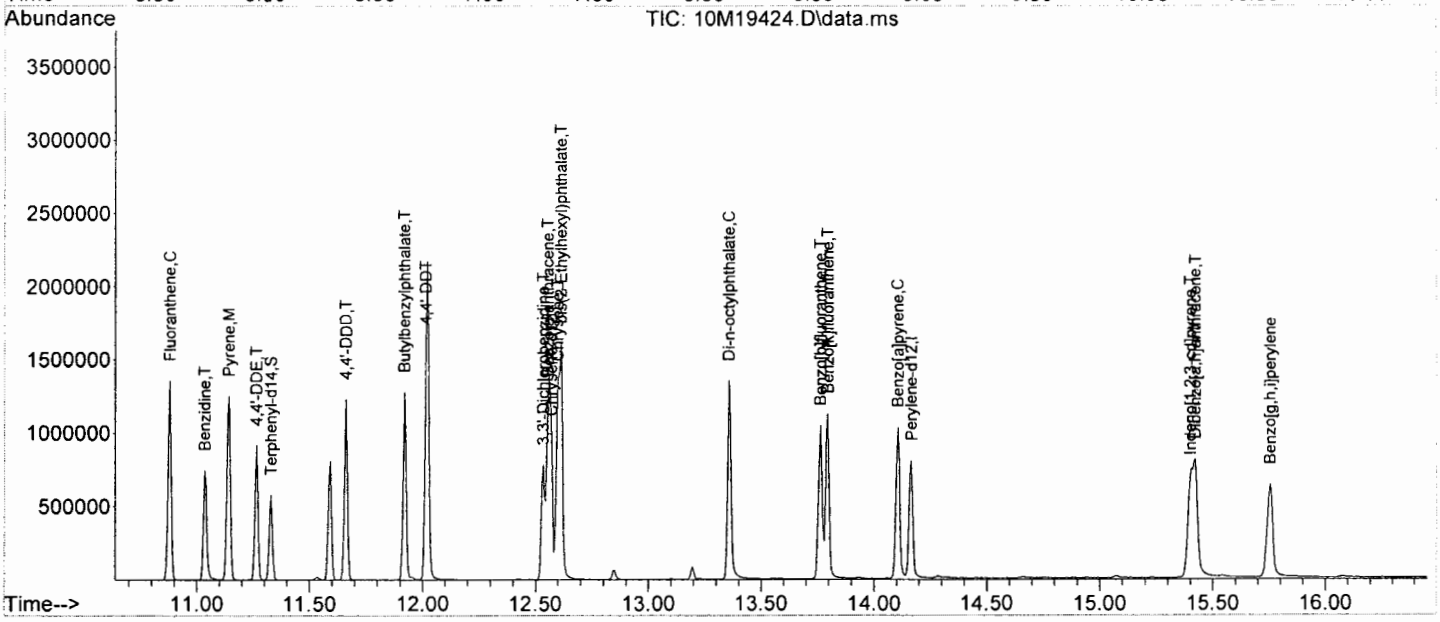
Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.254	165	108773	53.98	ng	75
67)	4-Nitrophenol	8.179	65	87590	55.04	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.382	232	71041	56.93	ng	95
69)	Fluorene	8.596	166	342792	53.52	ng	99
70)	4-Chlorophenyl-phenyle...	8.586	204	140177	51.83	ng	97
71)	Diethylphthalate	8.468	149	357483	52.72	ng	99
72)	4-Nitroaniline	8.607	138	105884	55.31	ng	80
73)	Atrazine	9.222	200	94673	54.18	ng	98
75)	4,6-Dinitro-2-methylph...	8.629	198	54504	57.12	ng	36
76)	n-Nitrosodiphenylamine	8.698	169	298864	54.85	ng	99
78)	1,2-Diphenylhydrazine	8.741	77	421015	51.83	ng	90
79)	4-Bromophenyl-phenylether	9.067	248	74183	53.26	ng	97
80)	Hexachlorobenzene	9.131	284	69844	51.59	ng	94
81)	N-Octadecane	9.404	57	374023	57.17	ng	94
82)	Pentachlorophenol	9.329	266	47290	54.35	ng	98
83)	Phenanthrene	9.559	178	477074	53.36	ng	99
84)	Anthracene	9.618	178	496395	54.49	ng	100
85)	Carbazole	9.784	167	503924	54.13	ng	99
86)	Di-n-butylphthalate	10.169	149	645630	57.10	ng	98
87)	Fluoranthene	10.880	202	521154	55.44	ng	100
89)	Pyrene	11.142	202	531693	52.54	ng	96
90)	Benzidine	11.035	184	278441	60.51	ng	93
92)	4,4'-DDE	11.265	246	93902	51.97	ng	90
93)	4,4'-DDD	11.661	235	182534	53.15	ng	83
94)	Butylbenzylphthalate	11.918	149	292876	54.95	ng	79
95)	4,4'-DDT	12.014	235	143353	53.42	ng	89
96)	3,3'-Dichlorobenzidine	12.533	252	142520	72.37	ng	100
97)	Benzo[a]anthracene	12.554	228	449930	53.41	ng	99
98)	Chrysene	12.597	228	432734	53.13	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.613	149	390351	56.23	ng	95
101)	Di-n-octylphthalate	13.357	149	699034	57.64	ng	100
102)	Benzo[b]fluoranthene	13.763	252	418552	55.62	ng	99
103)	Benzo[k]fluoranthene	13.795	252	413361	53.46	ng	98
104)	Benzo[a]pyrene	14.106	252	416633	55.85	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.400	276	434258	55.40	ng	91
106)	Dibenzo[a,h]anthracene	15.421	278	352599	55.60	ng	98
107)	Benzo[g,h,i]perylene	15.753	276	365586	54.10	ng	90

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


Abundance
TIC: 10M19424.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19424.D
Acq On : 02/ 9/11 13:01
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 13:32
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19424.D\data.ms
Isophorone,T
2-Nitrophenol,S
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2,4,6-Trichlorophenol,C
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrophenol,C
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->


Abundance
TIC: 10M19424.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

0209

SampleID : CAL BNA@2PPM
Data File: 10M19422.D
Acq On : 02/ 9/11 12:17

Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA

Qt Meth : 10M_0209.M
Qt On : 02/09/11 12:35
Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	96852	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	374256	40.00	ng	0.00
47) Acenaphthene-d10	8.094	164	207919	40.00	ng	0.00
74) Phenanthrene-d10	9.532	188	332599	40.00	ng	0.00
88) Chrysene-d12	12.565	240	305167	40.00	ng	0.00
100) Perylene-d12	14.164	264	281775	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	5663	1.70	ng	0.00
Spiked Amount 100.000			Recovery =	1.70%		
15) Phenol-d5	5.371	99	7713	1.83	ng	0.00
Spiked Amount 100.000			Recovery =	1.83%		
30) Nitrobenzene-d5	6.136	128	1262	0.80	ng	0.00
Spiked Amount 50.000			Recovery =	1.60%		
52) 2-Fluorobiphenyl	7.521	172	6678	1.21	ng	0.00
Spiked Amount 50.000			Recovery =	2.42%		
77) 2,4,6-Tribromophenol	8.826	330	814	1.37	ng	0.00
Spiked Amount 100.000			Recovery =	1.37%		
91) Terphenyl-d14	11.330	244	5377	0.90	ng	0.00
Spiked Amount 50.000			Recovery =	1.80%		
Target Compounds						Qvalue
8) Pyridine	2.943	79	5749	1.51	ng	97
9) N-Nitrosodimethylamine	2.825	74	4083	1.79	ng	91
11) Benzaldehyde	5.307	77	5332	2.17	ng	96
12) Aniline	5.403	93	7466	1.57	ng	82
13) Pentachloroethane	5.441	117	2542	2.13	ng	97
14) bis(2-Chloroethyl)ether	5.462	93	7179	2.04	ng	94
16) Phenol	5.382	94	9531	2.04	ng	91
17) 2-Chlorophenol	5.500	128	6248	1.84	ng	92
18) N-Decane	5.553	57	12000	2.23	ng	94
19) 1,3-Dichlorobenzene	5.633	146	7552	2.06	ng	99
20) 1,4-Dichlorobenzene	5.698	146	7570	2.07	ng	95
21) 1,2-Dichlorobenzene	5.821	146	7579	2.19	ng	97
22) Benzyl alcohol	5.799	108	4104	1.77	ng	72
23) bis(2-chloroisopropyl)...	5.911	45	17349	2.26	ng	90
24) 2-Methylphenol	5.890	108	6109	1.92	ng	97
25) Acetophenone	6.013	105	10541	2.10	ng	83
26) Hexachloroethane	6.099	117	3113	2.02	ng	92
27) N-Nitroso-di-n-propyla...	6.013	70	5225	2.10	ng	86
28) 3&4-Methylphenol	6.018	108	6409	2.01	ng	92
31) Nitrobenzene	6.147	77	7180	1.92	ng	91
32) Isophorone	6.334	82	12185	1.84	ng	94
33) 2-Nitrophenol	6.398	139	2696	1.52	ng	84
34) 2,4-Dimethylphenol	6.430	107	6346	1.93	ng	96
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.500	93	8398	2.15	ng	95
37) 2,4-Dichlorophenol	6.585	162	4526	1.78	ng	88
38) 1,2,4-Trichlorobenzene	6.644	180	5832	2.11	ng	95
39) Naphthalene	6.708	128	20517	2.18	ng	98
40) 4-Chloroaniline	6.746	127	5381	1.89	ng	84
41) Hexachlorobutadiene	6.794	225	2841	2.21	ng	91
42) Caprolactam	6.992	113	1685	1.45	ng	62
43) 4-Chloro-3-methylphenol	7.104	107	4425	1.49	ng	71
44) 2-Methylnaphthalene	7.233	142	13210	2.19	ng	97
45) Methylnaphthalenes (To...	7.233	142	13210	2.19	ng	97
46) 1,1'-Biphenyl	7.602	154	17190	2.25	ng	94
48) 1,2,4,5-Tetrachloroben...	7.366	216	5247	2.16	ng	96
49) Hexachlorocyclopentadiene	7.356	237	1614	1.26	ng	96
50) 2,4,6-Trichlorophenol	7.452	196	2665	1.61	ng	93
51) 2,4,5-Trichlorophenol	7.484	196	2545	1.45	ng	95
53) 2-Chloronaphthalene	7.623	162	12445	2.18	ng	94
54) 1,4-Dimethylnaphthalene	7.901	156	9582	2.27	ng	94
55) Dimethylnaphthalenes (...	7.901	156	9582	2.27	ng	94
56) Diphenyl Ether	7.687	170	9557	2.24	ng	82
57) 2-Nitroaniline	7.698	65	4224	1.65	ng	64
58) Coumarin	7.880	146	5250	2.15	ng	68
59) Acenaphthylene	7.976	152	19459	2.16	ng	96
60) Dimethylphthalate	7.842	163	14197	2.18	ng	99
61) 2,6-Dinitrotoluene	7.896	165	2680	1.95	ng	80
62) Acenaphthene	8.126	153	12064	2.16	ng	96
63) 3-Nitroaniline	8.046	138	2746	1.72	ng	98
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.276	168	17962	2.25	ng	92

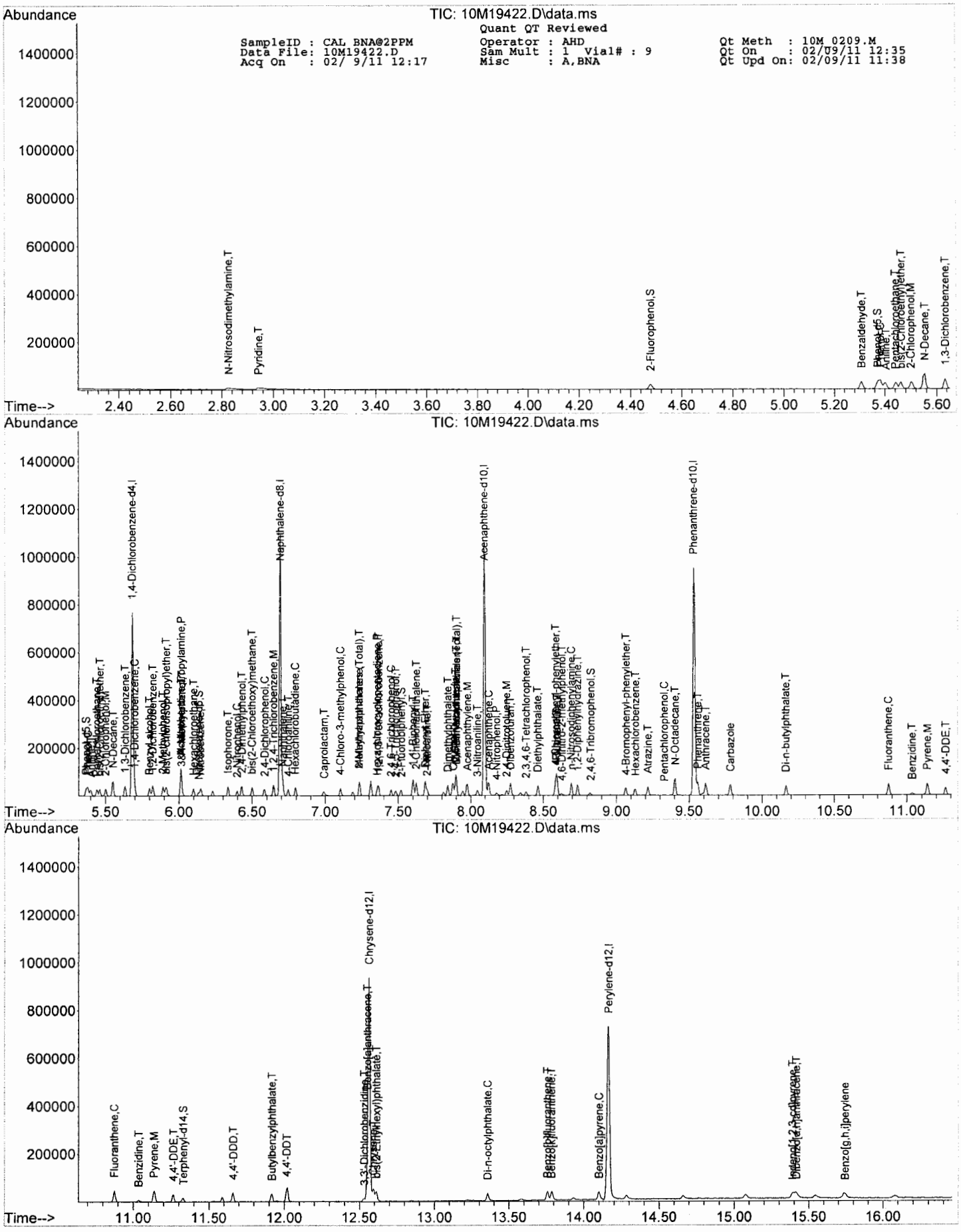
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19422.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:35
Acq On : 02/ 9/11 12:17 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.249	165	2881	1.44	ng	89
67)	4-Nitrophenol	8.179	65	2000	1.27	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.383	232	1654	1.34	ng	97
69)	Fluorene	8.591	166	14447	2.28	ng	98
70)	4-Chlorophenyl-phenyle...	8.586	204	5914	2.21	ng	94
71)	Diethylphthalate	8.463	149	12568	1.87	ng	100
72)	4-Nitroaniline	8.596	138	2970	1.57	ng	94
73)	Atrazine	9.217	200	3011	1.74	ng	93
75)	4,6-Dinitro-2-methylph...	8.629	198	769	0.81	ng	38
76)	n-Nitrosodiphenylamine	8.693	169	10982	2.02	ng	98
78)	1,2-Diphenylhydrazine	8.736	77	15690	1.94	ng	97
79)	4-Bromophenyl-phenylether	9.067	248	2744	1.98	ng	94
80)	Hexachlorobenzene	9.131	284	2809	2.08	ng	84
81)	N-Octadecane	9.404	57	12730	1.95	ng	98
82)	Pentachlorophenol	9.329	266	408	0.47	ng	86
83)	Phenanthrene	9.559	178	18947	2.13	ng	96
84)	Anthracene	9.613	178	18169	2.00	ng	98
85)	Carbazole	9.784	167	18210	1.96	ng	96
86)	Di-n-butylphthalate	10.164	149	18751	1.66	ng	100
87)	Fluoranthene	10.875	202	18262	1.95	ng	88
89)	Pyrene	11.137	202	19630	1.94	ng	96
90)	Benzidine	11.035	184	3512	0.76	ng	97
92)	4,4'-DDE	11.265	246	3461	1.91	ng	90
93)	4,4'-DDD	11.661	235	5890	1.71	ng	87
94)	Butylbenzylphthalate	11.918	149	7116	1.33	ng	77
95)	4,4'-DDT	12.014	235	3841	1.43	ng	87
96)	3,3'-Dichlorobenzidine	12.533	252	3050	1.55	ng	84
97)	Benzo[a]anthracene	12.554	228	16161	1.92	ng	99
98)	Chrysene	12.592	228	16310	2.00	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.613	149	9595	1.38	ng	98
101)	Di-n-octylphthalate	13.357	149	14704	1.24	ng	94
102)	Benzo[b]fluoranthene	13.758	252	13296m	1.80	ng	
103)	Benzo[k]fluoranthene	13.785	252	15062m	1.99	ng	
104)	Benzo[a]pyrene	14.100	252	13156	1.80	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.389	276	13790	1.79	ng	92
106)	Dibenzo[a,h]anthracene	15.416	278	11153	1.79	ng	88
107)	Benzo[g,h,i]perylene	15.742	276	12691	1.91	ng	87

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


Abundance
TIC: 10M19422.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M19422.D
Acq On : 02/ 9/11 12:17
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 12:35
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
4-Chloro-3-methylphenol,C
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Caprolactam,T
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Nitrophenol,P
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Chrysene-d12,I
Perylene-d12,I
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Benzo(g,h,i)perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 10M19421.D
Acq On : 02/ 9/11 11:55

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 10M_0209.M
Qt On : 02/09/11 12:23
Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	91922	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	374430	40.00	ng	0.00
47) Acenaphthene-d10	8.094	164	201267	40.00	ng	0.00
74) Phenanthrene-d10	9.532	188	324270	40.00	ng	0.00
88) Chrysene-d12	12.565	240	301618	40.00	ng	0.00
100) Perylene-d12	14.164	264	279468	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	31032	9.81	ng	0.00
Spiked Amount 100.000			Recovery = 9.81%			
15) Phenol-d5	5.371	99	42031	10.52	ng	0.00
Spiked Amount 100.000			Recovery = 10.52%			
30) Nitrobenzene-d5	6.136	128	7971	5.02	ng	0.00
Spiked Amount 50.000			Recovery = 10.04%			
52) 2-Fluorobiphenyl	7.516	172	32497	6.06	ng	0.00
Spiked Amount 50.000			Recovery = 12.12%			
77) 2,4,6-Tribromophenol	8.821	330	5765	9.92	ng	0.00
Spiked Amount 100.000			Recovery = 9.92%			
91) Terphenyl-d14	11.330	244	29343	4.95	ng	0.00
Spiked Amount 50.000			Recovery = 9.90%			
Target Compounds						Qvalue
8) Pyridine	2.889	79	37652	10.42	ng	90
9) N-Nitrosodimethylamine	2.804	74	21987	10.13	ng	92
11) Benzaldehyde	5.307	77	24254	10.41	ng	71
12) Aniline	5.398	93	40618	8.99	ng	86
13) Pentachloroethane	5.441	117	11651	10.27	ng	83
14) bis(2-Chloroethyl)ether	5.462	93	34462	10.34	ng	90
16) Phenol	5.382	94	46913	10.58	ng	89
17) 2-Chlorophenol	5.500	128	33286	10.32	ng	91
18) N-Decane	5.553	57	57436	11.25	ng	96
19) 1,3-Dichlorobenzene	5.633	146	37876	10.90	ng	98
20) 1,4-Dichlorobenzene	5.697	146	36884	10.60	ng	97
21) 1,2-Dichlorobenzene	5.820	146	35927	10.96	ng	98
22) Benzyl alcohol	5.799	108	22536	10.23	ng	74
23) bis(2-chloroisopropyl)...	5.911	45	78856	10.80	ng	92
24) 2-Methylphenol	5.890	108	33133	10.95	ng	98
25) Acetophenone	6.013	105	53463	11.24	ng	81
26) Hexachloroethane	6.099	117	15697	10.75	ng	97
27) N-Nitroso-di-n-propyla...	6.013	70	27432	11.60	ng	95
28) 3&4-Methylphenol	6.013	108	34934	11.56	ng	98
31) Nitrobenzene	6.147	77	40113	10.72	ng	89
32) Isophorone	6.334	82	68421	10.30	ng	92
33) 2-Nitrophenol	6.398	139	17495	9.85	ng	90
34) 2,4-Dimethylphenol	6.425	107	34995	10.64	ng	95
35) Benzoic Acid	6.478	105	9184	3.88	ng	91
36) bis(2-Chloroethoxy)met...	6.500	93	41833	10.72	ng	98
37) 2,4-Dichlorophenol	6.580	162	26366	10.34	ng	90
38) 1,2,4-Trichlorobenzene	6.644	180	29813	10.77	ng	99
39) Naphthalene	6.708	128	100206	10.63	ng	99
40) 4-Chloroaniline	6.746	127	30467	10.68	ng	91
41) Hexachlorobutadiene	6.794	225	13622	10.61	ng	95
42) Caprolactam	6.992	113	11062	9.49	ng	62
43) 4-Chloro-3-methylphenol	7.104	107	29421	9.88	ng	88
44) 2-Methylnaphthalene	7.232	142	64806	10.74	ng	97
45) Methylnaphthalenes (To...	7.232	142	64806	10.74	ng	97
46) 1,1'-Biphenyl	7.602	154	83116	10.88	ng	94
48) 1,2,4,5-Tetrachloroben...	7.366	216	25787	10.98	ng	98
49) Hexachlorocyclopentadiene	7.355	237	11523	9.31	ng	91
50) 2,4,6-Trichlorophenol	7.452	196	16222m	10.12	ng	
51) 2,4,5-Trichlorophenol	7.484	196	18068m	10.66	ng	
53) 2-Chloronaphthalene	7.623	162	61246	11.07	ng	97
54) 1,4-Dimethylnaphthalene	7.896	156	49106	12.01	ng	94
55) Dimethylnaphthalenes (...	7.896	156	49106	12.01	ng	94
56) Diphenyl Ether	7.687	170	46361	11.24	ng	82
57) 2-Nitroaniline	7.698	65	25745	10.41	ng	77
58) Coumarin	7.880	146	25996	10.98	ng	63
59) Acenaphthylene	7.976	152	96565	11.06	ng	100
60) Dimethylphthalate	7.842	163	69469	11.02	ng	99
61) 2,6-Dinitrotoluene	7.896	165	15502	11.66	ng	79
62) Acenaphthene	8.126	153	59288	10.98	ng	97
63) 3-Nitroaniline	8.045	138	17078	11.05	ng	82
64) 2,4-Dinitrophenol	8.136	184	4208	5.87	ng	70
65) Dibenzofuran	8.275	168	87244	11.27	ng	93

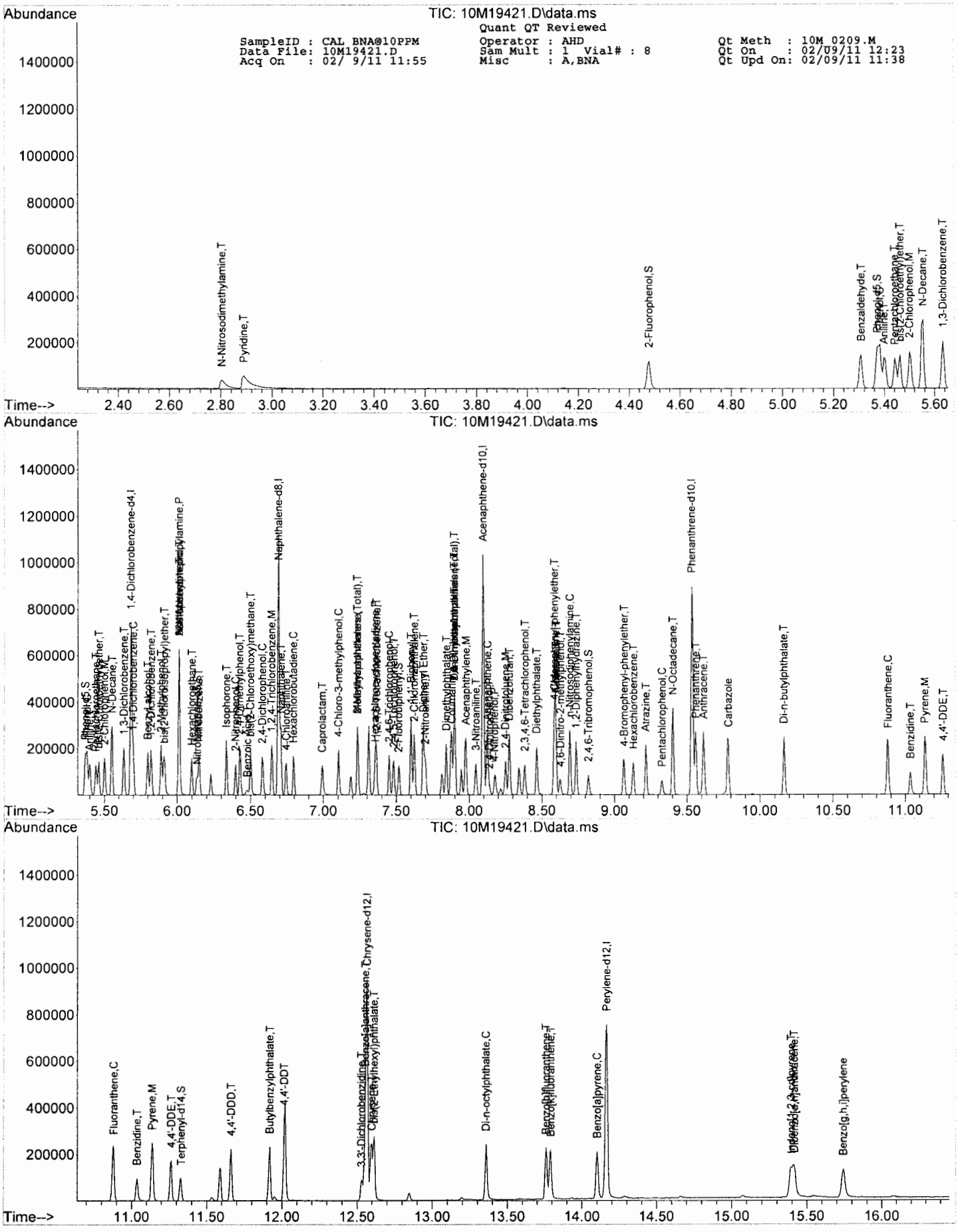
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19421.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:23
Acq On : 02/ 9/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.249	165	19974	10.33 ng	74
67)	4-Nitrophenol	8.174	65	14232	9.32 ng	94
68)	2,3,4,6-Tetrachlorophenol	8.382	232	13134	10.97 ng	95
69)	Fluorene	8.596	166	69165	11.26 ng	97
70)	4-Chlorophenyl-phenyle...	8.586	204	29003	11.18 ng	95
71)	Diethylphthalate	8.463	149	66665	10.25 ng	99
72)	4-Nitroaniline	8.596	138	19890	10.83 ng	77
73)	Atrazine	9.217	200	16971	10.12 ng	96
75)	4,6-Dinitro-2-methylph...	8.628	198	7606	8.20 ng	50
76)	n-Nitrosodiphenylamine	8.693	169	56508	10.67 ng	99
78)	1,2-Diphenylhydrazine	8.735	77	78493	9.94 ng	93
79)	4-Bromophenyl-phenylether	9.067	248	14270	10.54 ng	96
80)	Hexachlorobenzene	9.131	284	13969	10.61 ng	88
81)	N-Octadecane	9.404	57	71283	11.21 ng	94
82)	Pentachlorophenol	9.329	266	6328	7.48 ng	97
83)	Phenanthrene	9.559	178	94308	10.85 ng	99
84)	Anthracene	9.613	178	95892	10.83 ng	99
85)	Carbazole	9.784	167	99281	10.97 ng	98
86)	Di-n-butylphthalate	10.164	149	115039	10.46 ng	98
87)	Fluoranthene	10.880	202	97586	10.68 ng	98
89)	Pyrene	11.137	202	102716	10.26 ng	99
90)	Benzidine	11.035	184	36479	8.01 ng	95
92)	4,4'-DDE	11.265	246	17117	9.57 ng	93
93)	4,4'-DDD	11.661	235	32860	9.67 ng	82
94)	Butylbenzylphthalate	11.918	149	50712	9.62 ng	77
95)	4,4'-DDT	12.014	235	26237	9.88 ng	92
96)	3,3'-Dichlorobenzidine	12.528	252	16930	8.69 ng	91
97)	Benzo[a]anthracene	12.554	228	85829	10.30 ng	98
98)	Chrysene	12.597	228	85237	10.58 ng	97
99)	bis(2-Ethylhexyl)phtha...	12.613	149	67767	9.87 ng	92
101)	Di-n-octylphthalate	13.357	149	113342	9.61 ng	97
102)	Benzo[b]fluoranthene	13.758	252	79052m	10.80 ng	
103)	Benzo[k]fluoranthene	13.790	252	82407m	10.95 ng	
104)	Benzo[a]pyrene	14.100	252	79178	10.91 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.394	276	79121	10.37 ng	96
106)	Dibenzo[a,h]anthracene	15.416	278	66636	10.80 ng	99
107)	Benzo[g,h,i]perylene	15.742	276	67920	10.33 ng	90

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


Abundance
TIC: 10M19421.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M19421.D
Acq On : 02/ 9/11 11:55
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 12:23
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 10M19421.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene-d10,I
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->
Abundance
TIC: 10M19421.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19420.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:56
Acq On : 02/ 9/11 11:33 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	93913	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	383362	40.00	ng	0.00
47) Acenaphthene-d10	8.094	164	210401	40.00	ng	0.00
74) Phenanthrene-d10	9.532	188	341007	40.00	ng	0.00
88) Chrysene-d12	12.565	240	312164	40.00	ng	0.00
100) Perylene-d12	14.164	264	290583	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	64571	19.98	ng	0.00
Spiked Amount 100.000			Recovery = 19.98%			
15) Phenol-d5	5.371	99	85702	21.00	ng	0.00
Spiked Amount 100.000			Recovery = 21.00%			
30) Nitrobenzene-d5	6.136	128	16231	9.98	ng	0.00
Spiked Amount 50.000			Recovery = 19.96%			
52) 2-Fluorobiphenyl	7.516	172	65046	11.61	ng	0.00
Spiked Amount 50.000			Recovery = 23.22%			
77) 2,4,6-Tribromophenol	8.821	330	12264	20.08	ng	0.00
Spiked Amount 100.000			Recovery = 20.08%			
91) Terphenyl-d14	11.330	244	62761	10.23	ng	0.00
Spiked Amount 50.000			Recovery = 20.46%			
Target Compounds						Qvalue
8) Pyridine	2.873	79	75902	20.56	ng	95
9) N-Nitrosodimethylamine	2.799	74	44894	20.24	ng	93
11) Benzaldehyde	5.307	77	51931	21.83	ng	74
12) Aniline	5.398	93	98188	21.27	ng	79
13) Pentachloroethane	5.441	117	23214	20.04	ng	86
14) bis(2-Chloroethyl)ether	5.462	93	67714	19.89	ng	93
16) Phenol	5.382	94	98019	21.64	ng	90
17) 2-Chlorophenol	5.500	128	68847	20.89	ng	90
18) N-Decane	5.553	57	108934	20.88	ng	95
19) 1,3-Dichlorobenzene	5.633	146	73861	20.81	ng	98
20) 1,4-Dichlorobenzene	5.697	146	74848	21.06	ng	98
21) 1,2-Dichlorobenzene	5.820	146	70065	20.93	ng	98
22) Benzyl alcohol	5.799	108	47226	20.99	ng	76
23) bis(2-chloroisopropyl)...	5.911	45	158308	21.22	ng	93
24) 2-Methylphenol	5.890	108	68024	22.00	ng	96
25) Acetophenone	6.013	105	105896	21.78	ng	83
26) Hexachloroethane	6.099	117	30467	20.43	ng	96
27) N-Nitroso-di-n-propyla...	6.013	70	53642	22.21	ng	95
28) 3&4-Methylphenol	6.013	108	69576	22.54	ng	97
31) Nitrobenzene	6.147	77	76597	19.99	ng	85
32) Isophorone	6.334	82	142135	20.90	ng	93
33) 2-Nitrophenol	6.398	139	36640	20.15	ng	90
34) 2,4-Dimethylphenol	6.430	107	70324	20.88	ng	95
35) Benzoic Acid	6.484	105	34999	14.45	ng	87
36) bis(2-Chloroethoxy)met...	6.500	93	83207	20.82	ng	96
37) 2,4-Dichlorophenol	6.580	162	53540	20.51	ng	90
38) 1,2,4-Trichlorobenzene	6.644	180	59323	20.94	ng	99
39) Naphthalene	6.708	128	199982	20.71	ng	99
40) 4-Chloroaniline	6.746	127	70881	24.26	ng	91
41) Hexachlorobutadiene	6.794	225	26331	20.03	ng	98
42) Caprolactam	7.003	113	24441	20.48	ng	63
43) 4-Chloro-3-methylphenol	7.104	107	61623	20.20	ng	87
44) 2-Methylnaphthalene	7.233	142	135623	21.94	ng	97
45) Methylnaphthalenes (To...	7.233	142	135623	21.94	ng	97
46) 1,1'-Biphenyl	7.602	154	163661	20.92	ng	96
48) 1,2,4,5-Tetrachloroben...	7.366	216	53987	21.99	ng	97
49) Hexachlorocyclopentadiene	7.356	237	25839	19.98	ng	99
50) 2,4,6-Trichlorophenol	7.452	196	33883m	20.22	ng	
51) 2,4,5-Trichlorophenol	7.484	196	39289m	22.17	ng	
53) 2-Chloronaphthalene	7.623	162	125001	21.62	ng	94
54) 1,4-Dimethylnaphthalene	7.901	156	92611	21.66	ng	92
55) Dimethylnaphthalenes (...	7.901	156	92611	21.66	ng	92
56) Diphenyl Ether	7.687	170	90255	20.92	ng	83
57) 2-Nitroaniline	7.698	65	54264	20.98	ng	83
58) Coumarin	7.880	146	53976	21.82	ng	65
59) Acenaphthylene	7.976	152	196301	21.51	ng	99
60) Dimethylphthalate	7.842	163	138607	21.03	ng	99
61) 2,6-Dinitrotoluene	7.901	165	30451	21.90	ng	70
62) Acenaphthene	8.126	153	117467	20.80	ng	98
63) 3-Nitroaniline	8.046	138	36821	22.80	ng	79
64) 2,4-Dinitrophenol	8.136	184	12204	16.29	ng	53
65) Dibenzofuran	8.276	168	169207	20.91	ng	93

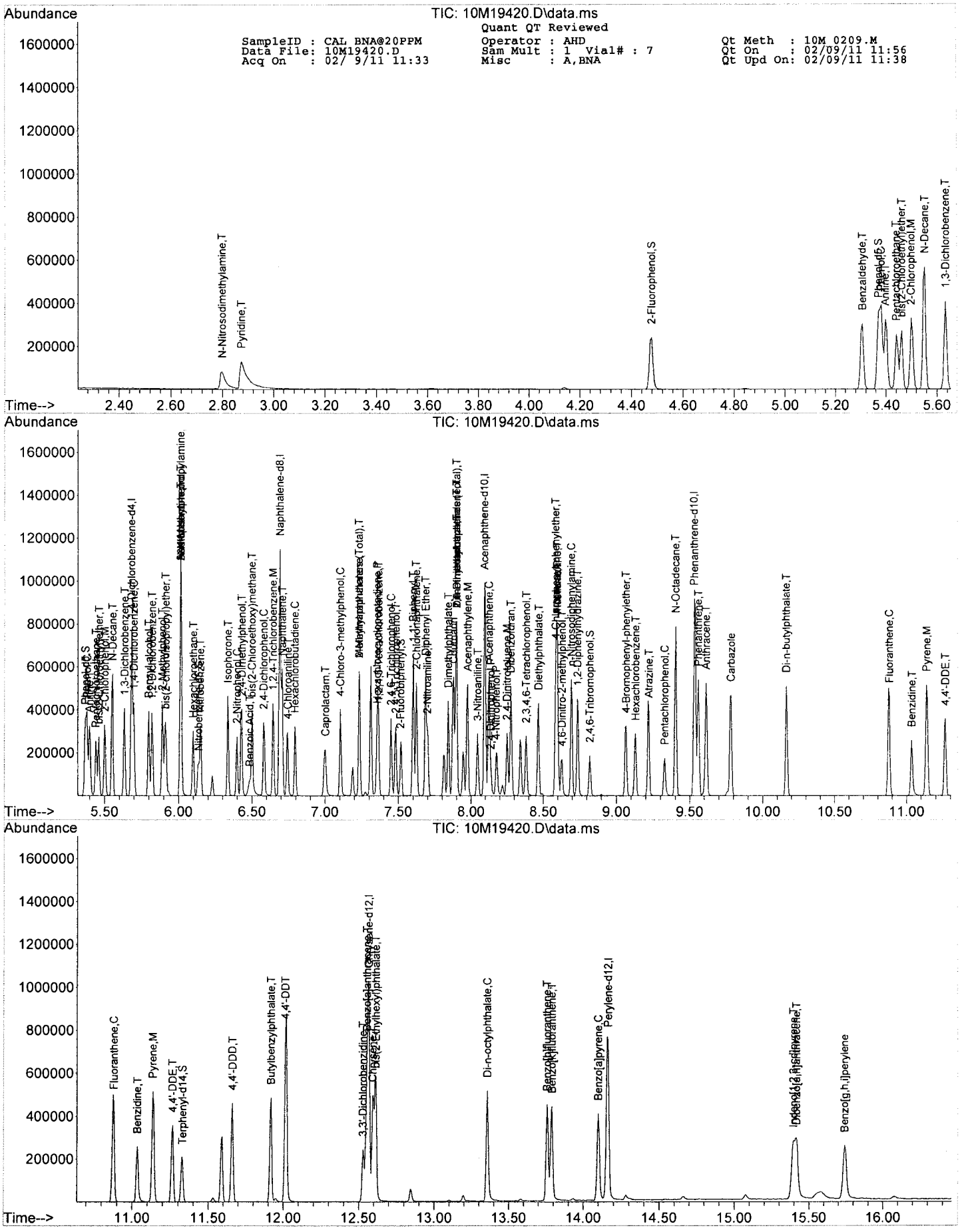
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19420.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:56
Acq On : 02/ 9/11 11:33 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.249	165	41204	20.39 ng	77
67)	4-Nitrophenol	8.174	65	33458	20.97 ng	96
68)	2,3,4,6-Tetrachlorophenol	8.382	232	26754	21.38 ng	94
69)	Fluorene	8.596	166	139020	21.64 ng	97
70)	4-Chlorophenyl-phenyle...	8.586	204	56806	20.94 ng	96
71)	Diethylphthalate	8.468	149	143487	21.10 ng	99
72)	4-Nitroaniline	8.596	138	40929	21.32 ng	80
73)	Atrazine	9.222	200	37667	21.49 ng	97
75)	4,6-Dinitro-2-methylph...	8.629	198	18902	19.37 ng	53
76)	n-Nitrosodiphenylamine	8.693	169	119574	21.46 ng	97
78)	1,2-Diphenylhydrazine	8.736	77	163812	19.73 ng	92
79)	4-Bromophenyl-phenylether	9.067	248	29246	20.54 ng	98
80)	Hexachlorobenzene	9.131	284	29108	21.03 ng	87
81)	N-Octadecane	9.404	57	148259	22.17 ng	96
82)	Pentachlorophenol	9.329	266	15748	17.70 ng	97
83)	Phenanthrene	9.559	178	191206	20.92 ng	98
84)	Anthracene	9.613	178	197920	21.25 ng	99
85)	Carbazole	9.784	167	200829	21.10 ng	98
86)	Di-n-butylphthalate	10.164	149	242299	20.96 ng	98
87)	Fluoranthene	10.880	202	204482	21.27 ng	95
89)	Pyrene	11.137	202	214984	20.75 ng	97
90)	Benzidine	11.035	184	94549	20.07 ng	90
92)	4,4'-DDE	11.265	246	37892	20.48 ng	92
93)	4,4'-DDD	11.661	235	72833	20.71 ng	85
94)	Butylbenzylphthalate	11.918	149	110449	20.24 ng	77
95)	4,4'-DDT	12.014	235	55813	20.31 ng	91
96)	3,3'-Dichlorobenzidine	12.528	252	44485	22.06 ng	98
97)	Benzo[a]anthracene	12.554	228	175807	20.38 ng	99
98)	Chrysene	12.592	228	173763	20.83 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.613	149	150173	21.13 ng	94
101)	Di-n-octylphthalate	13.357	149	258123	21.04 ng	98
102)	Benzo[b]fluoranthene	13.758	252	164235m	21.57 ng	
103)	Benzo[k]fluoranthene	13.790	252	165286m	21.13 ng	
104)	Benzo[a]pyrene	14.100	252	159758	21.17 ng	99
105)	Indeno[1,2,3-cd]pyrene	15.395	276	162400	20.48 ng	94
106)	Dibenzo[a,h]anthracene	15.416	278	133530	20.81 ng	99
107)	Benzo[g,h,i]perylene	15.742	276	140516	20.55 ng	90

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


Abundance
TIC: 10M19420.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 10M19420.D
Acq On : 02/ 9/11 11:33
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 11:56
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19420.D\data.ms
Time-->

Abundance
TIC: 10M19420.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19419.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:46
Acq On : 02/ 9/11 11:10 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.687	152	92640	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	364090	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	198686	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	324948	40.00	ng	0.00
88) Chrysene-d12	12.571	240	288071	40.00	ng	0.00
100) Perylene-d12	14.164	264	283760	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	246600	77.34	ng	0.00
Spiked Amount 100.000			Recovery = 77.34%			
15) Phenol-d5	5.377	99	316293	78.56	ng	0.00
Spiked Amount 100.000			Recovery = 78.56%			
30) Nitrobenzene-d5	6.136	128	60527	39.19	ng	0.00
Spiked Amount 50.000			Recovery = 78.38%			
52) 2-Fluorobiphenyl	7.521	172	242336	45.80	ng	0.00
Spiked Amount 50.000			Recovery = 91.60%			
77) 2,4,6-Tribromophenol	8.826	330	48218	82.83	ng	0.00
Spiked Amount 100.000			Recovery = 82.83%			
91) Terphenyl-d14	11.330	244	225661	39.87	ng	0.00
Spiked Amount 50.000			Recovery = 79.74%			
Target Compounds						Qvalue
8) Pyridine	2.857	79	297669	81.75	ng	96
9) N-Nitrosodimethylamine	2.793	74	171846	78.55	ng	98
11) Benzaldehyde	5.307	77	150960	64.32	ng	77
12) Aniline	5.403	93	390521	85.77	ng	78
13) Pentachloroethane	5.441	117	88069	77.06	ng	87
14) bis(2-Chloroethyl)ether	5.462	93	246979	73.53	ng	96
16) Phenol	5.387	94	353692	79.17	ng	93
17) 2-Chlorophenol	5.505	128	250630	77.10	ng	89
18) N-Decane	5.553	57	387289	75.26	ng	98
19) 1,3-Dichlorobenzene	5.633	146	266666	76.17	ng	100
20) 1,4-Dichlorobenzene	5.698	146	271536	77.45	ng	98
21) 1,2-Dichlorobenzene	5.821	146	259484	78.56	ng	98
22) Benzyl alcohol	5.805	108	179197	80.72	ng	74
23) bis(2-chloroisopropyl)...	5.911	45	564729	76.75	ng	91
24) 2-Methylphenol	5.895	108	248124	81.35	ng	97
25) Acetophenone	6.018	105	360218	75.11	ng	84
26) Hexachloroethane	6.099	117	113665	77.26	ng	99
27) N-Nitroso-di-n-propyla...	6.018	70	182358	76.55	ng	88
28) 3&4-Methylphenol	6.018	108	232696	76.42	ng	98
31) Nitrobenzene	6.152	77	287897	79.13	ng	85
32) Isophorone	6.339	82	514739	79.69	ng	90
33) 2-Nitrophenol	6.398	139	143220	82.92	ng	88
34) 2,4-Dimethylphenol	6.430	107	263334	82.31	ng	98
35) Benzoic Acid	6.516	105	210840	91.66	ng	91
36) bis(2-Chloroethoxy)met...	6.505	93	294635	77.63	ng	98
37) 2,4-Dichlorophenol	6.585	162	202732	81.77	ng	90
38) 1,2,4-Trichlorobenzene	6.650	180	208390	77.44	ng	99
39) Naphthalene	6.708	128	694294	75.71	ng	99
40) 4-Chloroaniline	6.746	127	258522m	93.18	ng	
41) Hexachlorobutadiene	6.799	225	97749	78.31	ng	97
42) Caprolactam	7.035	113	93337	82.36	ng	65
43) 4-Chloro-3-methylphenol	7.110	107	234918	81.09	ng	90
44) 2-Methylnaphthalene	7.238	142	462817	78.84	ng	98
45) Methylnaphthalenes (To...	7.238	142	462817	78.84	ng	98
46) 1,1'-Biphenyl	7.602	154	575645	77.46	ng	96
48) 1,2,4,5-Tetrachloroben...	7.366	216	179753	77.52	ng	97
49) Hexachlorocyclopentadiene	7.356	237	103349	84.61	ng	99
50) 2,4,6-Trichlorophenol	7.457	196	131909m	83.34	ng	
51) 2,4,5-Trichlorophenol	7.489	196	141866m	84.79	ng	
53) 2-Chloronaphthalene	7.628	162	426642	78.14	ng	93
54) 1,4-Dimethylnaphthalene	7.901	156	313231	77.59	ng	97
55) Dimethylnaphthalenes (...	7.901	156	313231	77.59	ng	97
56) Diphenyl Ether	7.687	170	322575	79.19	ng	87
57) 2-Nitroaniline	7.703	65	201487	82.49	ng	79
58) Coumarin	7.885	146	186590	79.86	ng	64
59) Acenaphthylene	7.976	152	674359	78.27	ng	100
60) Dimethylphthalate	7.848	163	486976	78.24	ng	99
61) 2,6-Dinitrotoluene	7.907	165	104524	79.62	ng	68
62) Acenaphthene	8.126	153	418474	78.47	ng	96
63) 3-Nitroaniline	8.051	138	133724	87.67	ng	79
64) 2,4-Dinitrophenol	8.142	184	62148	87.86	ng	53
65) Dibenzofuran	8.281	168	582590	76.25	ng	93

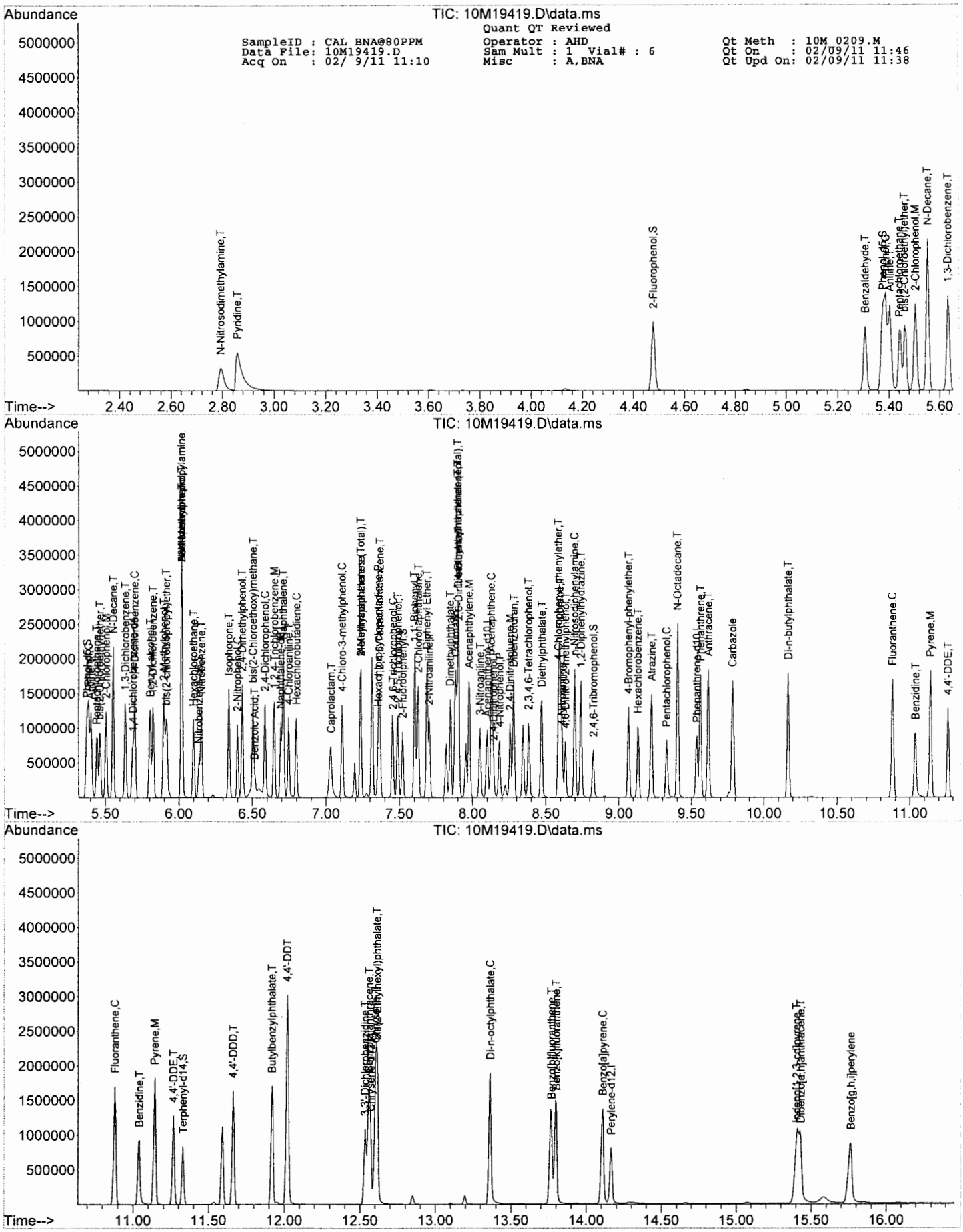
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19419.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:46
Acq On : 02/ 9/11 11:10 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.254	165	160408	84.06	ng	79
67)	4-Nitrophenol	8.185	65	129193	85.73	ng	90
68)	2,3,4,6-Tetrachlorophenol	8.383	232	101907	86.23	ng	95
69)	Fluorene	8.596	166	474711	78.26	ng	99
70)	4-Chlorophenyl-phenyle...	8.586	204	192324	75.09	ng	99
71)	Diethylphthalate	8.473	149	513386	79.95	ng	99
72)	4-Nitroaniline	8.613	138	151063	83.32	ng	78
73)	Atrazine	9.228	200	138015	83.39	ng	99
75)	4,6-Dinitro-2-methylph...	8.634	198	82796	89.06	ng	42
76)	n-Nitrosodiphenylamine	8.698	169	413003	77.79	ng	98
78)	1,2-Diphenylhydrazine	8.741	77	593970	75.06	ng	93
79)	4-Bromophenyl-phenylether	9.067	248	107551	79.26	ng	96
80)	Hexachlorobenzene	9.131	284	102471	77.68	ng	91
81)	N-Octadecane	9.404	57	504956	79.22	ng	97
82)	Pentachlorophenol	9.329	266	70890	83.63	ng	97
83)	Phenanthrene	9.565	178	661404	75.93	ng	99
84)	Anthracene	9.618	178	697829	78.62	ng	99
85)	Carbazole	9.784	167	713196	78.62	ng	99
86)	Di-n-butylphthalate	10.169	149	893362	81.10	ng	97
87)	Fluoranthene	10.880	202	711606	77.70	ng	99
89)	Pyrene	11.142	202	749668	78.40	ng	97
90)	Benzidine	11.041	184	377634	86.85	ng	90
92)	4,4'-DDE	11.265	246	131772	77.18	ng	92
93)	4,4'-DDD	11.661	235	261654	80.63	ng	84
94)	Butylbenzylphthalate	11.918	149	416607	82.71	ng	80
95)	4,4'-DDT	12.020	235	209217	82.50	ng	90
96)	3,3'-Dichlorobenzidine	12.533	252	195347	104.98	ng	99
97)	Benzo[a]anthracene	12.560	228	625305	78.56	ng	99
98)	Chrysene	12.603	228	582393	75.67	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.613	149	538497	82.09	ng	95
101)	Di-n-octylphthalate	13.362	149	1012241	84.49	ng	99
102)	Benzo[b]fluoranthene	13.769	252	582489	78.35	ng	96
103)	Benzo[k]fluoranthene	13.801	252	613279	80.28	ng	95
104)	Benzo[a]pyrene	14.111	252	577669	78.38	ng	96
105)	Indeno[1,2,3-cd]pyrene	15.405	276	614258	79.32	ng	93
106)	Dibenzo[a,h]anthracene	15.432	278	501871	80.10	ng	98
107)	Benzo[g,h,i]perylene	15.764	276	518995	77.74	ng	90

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


Abundance
TIC: 10M19419.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M19419.D
Acq On : 02/ 9/11 11:10
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 11:46
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19419.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Hexachloroethane,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->

Abundance
TIC: 10M19419.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

0221

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19418.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:44
Acq On : 02/ 9/11 10:48 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.687	152	85508	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	343195	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	190346	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	300742	40.00	ng	0.00
88) Chrysene-d12	12.571	240	266440	40.00	ng	0.00
100) Perylene-d12	14.164	264	253514	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	354586	120.48	ng	0.00
Spiked Amount 100.000			Recovery = 120.48%			
15) Phenol-d5	5.377	99	442119	118.97	ng	0.00
Spiked Amount 100.000			Recovery = 118.97%			
30) Nitrobenzene-d5	6.136	128	87284	59.96	ng	0.00
Spiked Amount 50.000			Recovery = 119.92%			
52) 2-Fluorobiphenyl	7.521	172	334656	66.02	ng	0.00
Spiked Amount 50.000			Recovery = 132.04%			
77) 2,4,6-Tribromophenol	8.826	330	68643	127.41	ng	0.00
Spiked Amount 100.000			Recovery = 127.41%			
91) Terphenyl-d14	11.330	244	310314	59.28	ng	0.00
Spiked Amount 50.000			Recovery = 118.56%			
Target Compounds						Qvalue
8) Pyridine	2.852	79	417286	124.16	ng	96
9) N-Nitrosodimethylamine	2.799	74	251333	124.47	ng	91
11) Benzaldehyde	5.307	77	156849	72.40	ng	78
12) Aniline	5.403	93	544510	129.56	ng	78
13) Pentachloroethane	5.446	117	122811	116.42	ng	88
14) bis(2-Chloroethyl)ether	5.468	93	343756	110.87	ng	92
16) Phenol	5.393	94	481750	116.82	ng	98
17) 2-Chlorophenol	5.505	128	356805	118.92	ng	91
18) N-Decane	5.553	57	532251	112.06	ng	98
19) 1,3-Dichlorobenzene	5.633	146	364440	112.78	ng	99
20) 1,4-Dichlorobenzene	5.698	146	366911	113.38	ng	98
21) 1,2-Dichlorobenzene	5.826	146	352305	115.56	ng	96
22) Benzyl alcohol	5.804	108	244757	119.45	ng	77
23) bis(2-chloroisopropyl)...	5.917	45	764109	112.51	ng	93
24) 2-Methylphenol	5.895	108	341128	121.18	ng	97
25) Acetophenone	6.018	105	484319	109.41	ng	81
26) Hexachloroethane	6.099	117	156738	115.42	ng	99
27) N-Nitroso-di-n-propyla...	6.024	70	243122	110.56	ng	85
28) 3&4-Methylphenol	6.024	108	314787	112.00	ng	98
31) Nitrobenzene	6.152	77	397292	115.84	ng	86
32) Isophorone	6.345	82	715986	117.60	ng	88
33) 2-Nitrophenol	6.404	139	196343	120.59	ng	92
34) 2,4-Dimethylphenol	6.436	107	353144	117.10	ng	99
35) Benzoic Acid	6.532	105	318584	146.93	ng	89
36) bis(2-Chloroethoxy)met...	6.505	93	407218	113.83	ng	98
37) 2,4-Dichlorophenol	6.591	162	277090	118.56	ng	88
38) 1,2,4-Trichlorobenzene	6.650	180	283349	111.71	ng	98
39) Naphthalene	6.708	128	948794	109.77	ng	99
40) 4-Chloroaniline	6.746	127	312324m	119.43	ng	
41) Hexachlorobutadiene	6.799	225	133546	113.50	ng	97
42) Caprolactam	7.045	113	132551	124.09	ng	63
43) 4-Chloro-3-methylphenol	7.115	107	333149	122.00	ng	87
44) 2-Methylnaphthalene	7.238	142	617441	111.59	ng	98
45) Methylnaphthalenes (To...	7.238	142	617441	111.59	ng	98
46) 1,1'-Biphenyl	7.607	154	789647	112.73	ng	95
48) 1,2,4,5-Tetrachloroben...	7.366	216	249731	112.42	ng	99
49) Hexachlorocyclopentadiene	7.356	237	145865	124.65	ng	99
50) 2,4,6-Trichlorophenol	7.457	196	181524m	119.71	ng	
51) 2,4,5-Trichlorophenol	7.489	196	197699m	123.34	ng	
53) 2-Chloronaphthalene	7.628	162	594161	113.59	ng	95
54) 1,4-Dimethylnaphthalene	7.907	156	424703	109.81	ng	96
55) Dimethylnaphthalenes (...	7.907	156	424703	109.81	ng	96
56) Diphenyl Ether	7.687	170	432608	110.86	ng	89
57) 2-Nitroaniline	7.709	65	274226	117.19	ng	68
58) Coumarin	7.890	146	249145	111.31	ng	61
59) Acenaphthylene	7.981	152	939765	113.85	ng	100
60) Dimethylphthalate	7.853	163	692363	116.11	ng	99
61) 2,6-Dinitrotoluene	7.907	165	142948	113.66	ng	73
62) Acenaphthene	8.131	153	576458	112.84	ng	98
63) 3-Nitroaniline	8.056	138	179041	122.52	ng	78
64) 2,4-Dinitrophenol	8.142	184	92755	136.87	ng	65
65) Dibenzofuran	8.281	168	819678	111.98	ng	94

16

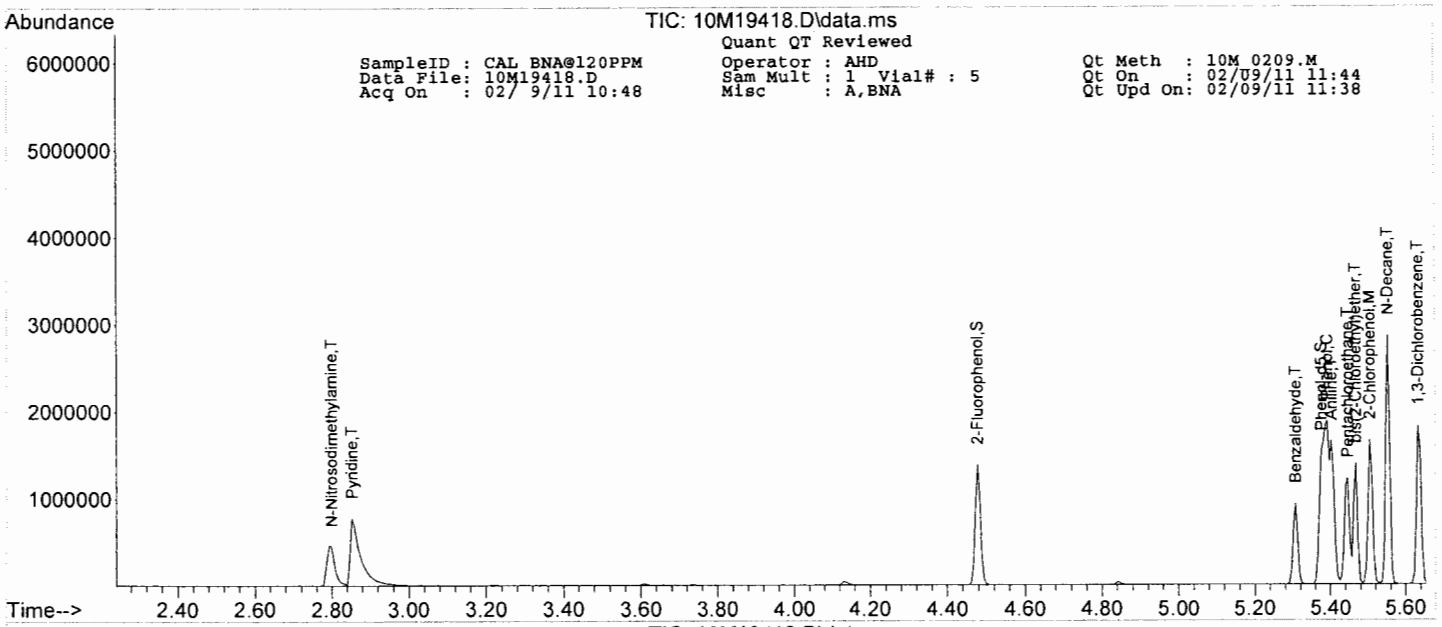
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19418.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:44
Acq On : 02/ 9/11 10:48 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.260	165	227841	124.63 ng	75
67)	4-Nitrophenol	8.185	65	185400m	128.41 ng	
68)	2,3,4,6-Tetrachlorophenol	8.388	232	139757	123.45 ng	98
69)	Fluorene	8.596	166	658684	113.35 ng	99
70)	4-Chlorophenyl-phenyle...	8.586	204	277285	113.01 ng	99
71)	Diethylphthalate	8.473	149	720118	117.05 ng	99
72)	4-Nitroaniline	8.618	138	217797	125.39 ng	81
73)	Atrazine	9.228	200	192229	121.24 ng	98
75)	4,6-Dinitro-2-methylph...	8.639	198	122853	142.78 ng	46
76)	n-Nitrosodiphenylamine	8.703	169	578026	117.64 ng	99
78)	1,2-Diphenylhydrazine	8.741	77	886096	120.98 ng	92
79)	4-Bromophenyl-phenylether	9.067	248	150817	120.09 ng	96
80)	Hexachlorobenzene	9.137	284	144014	117.96 ng	83
81)	N-Octadecane	9.404	57	671741	113.87 ng	98
82)	Pentachlorophenol	9.335	266	102564	130.73 ng	99
83)	Phenanthrene	9.565	178	923197	114.51 ng	99
84)	Anthracene	9.618	178	958472	116.68 ng	99
85)	Carbazole	9.789	167	987264	117.60 ng	99
86)	Di-n-butylphthalate	10.169	149	1264872	124.07 ng	98
87)	Fluoranthene	10.886	202	1013658	119.58 ng	96
89)	Pyrene	11.142	202	1036271	117.17 ng	96
90)	Benzidine	11.041	184	446661	111.06 ng	90
92)	4,4'-DDE	11.265	246	185710	117.60 ng	92
93)	4,4'-DDD	11.667	235	365268	121.69 ng	84
94)	Butylbenzylphthalate	11.923	149	581006	124.72 ng	77
95)	4,4'-DDT	12.020	235	291874	124.45 ng	91
96)	3,3'-Dichlorobenzidine	12.538	252	257058	149.36 ng	99
97)	Benzo[a]anthracene	12.560	228	883594	120.02 ng	100
98)	Chrysene	12.603	228	810943	113.92 ng	100
99)	bis(2-Ethylhexyl)phtha...	12.613	149	749794	123.58 ng	96
101)	Di-n-octylphthalate	13.362	149	1413768	132.08 ng	100
102)	Benzo[b]fluoranthene	13.769	252	828517m	124.73 ng	
103)	Benzo[k]fluoranthene	13.801	252	784550m	114.96 ng	
104)	Benzo[a]pyrene	14.111	252	804437	122.17 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.411	276	851844	123.13 ng	94
106)	Dibenzo[a,h]anthracene	15.432	278	683322	122.07 ng	100
107)	Benzo[g,h,i]perylene	15.769	276	723161	121.24 ng	89

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


Abundance
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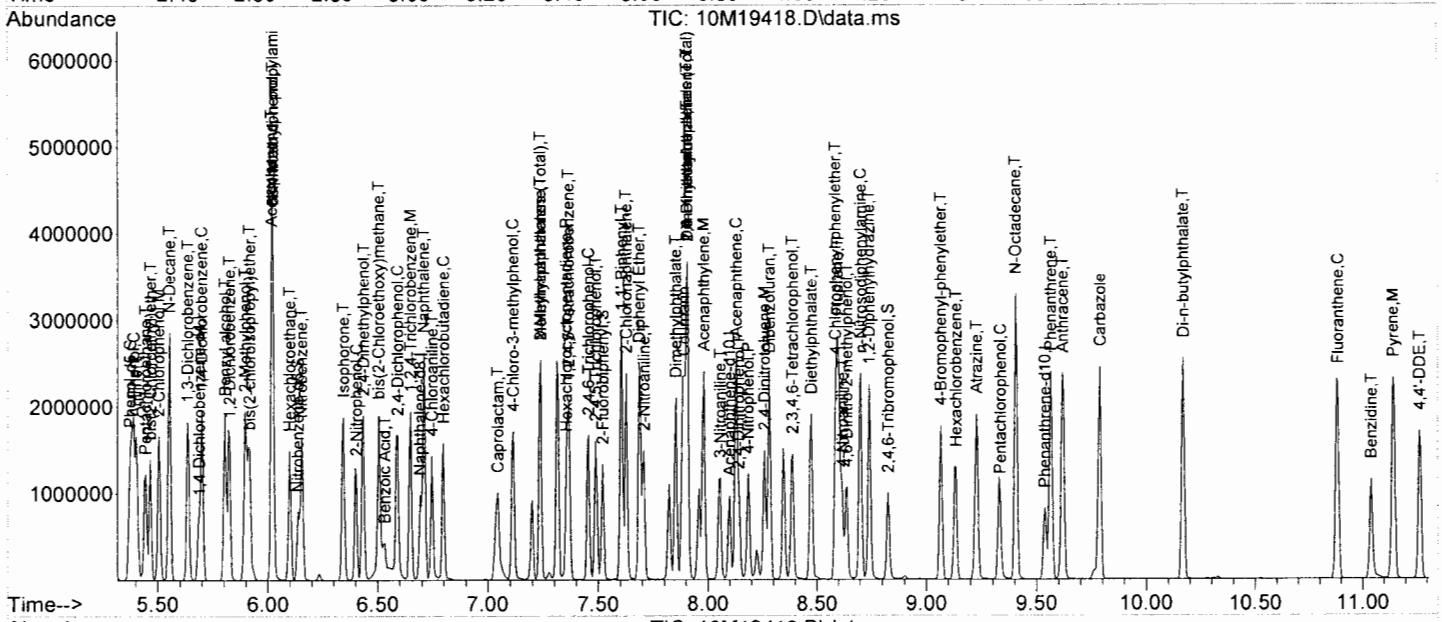
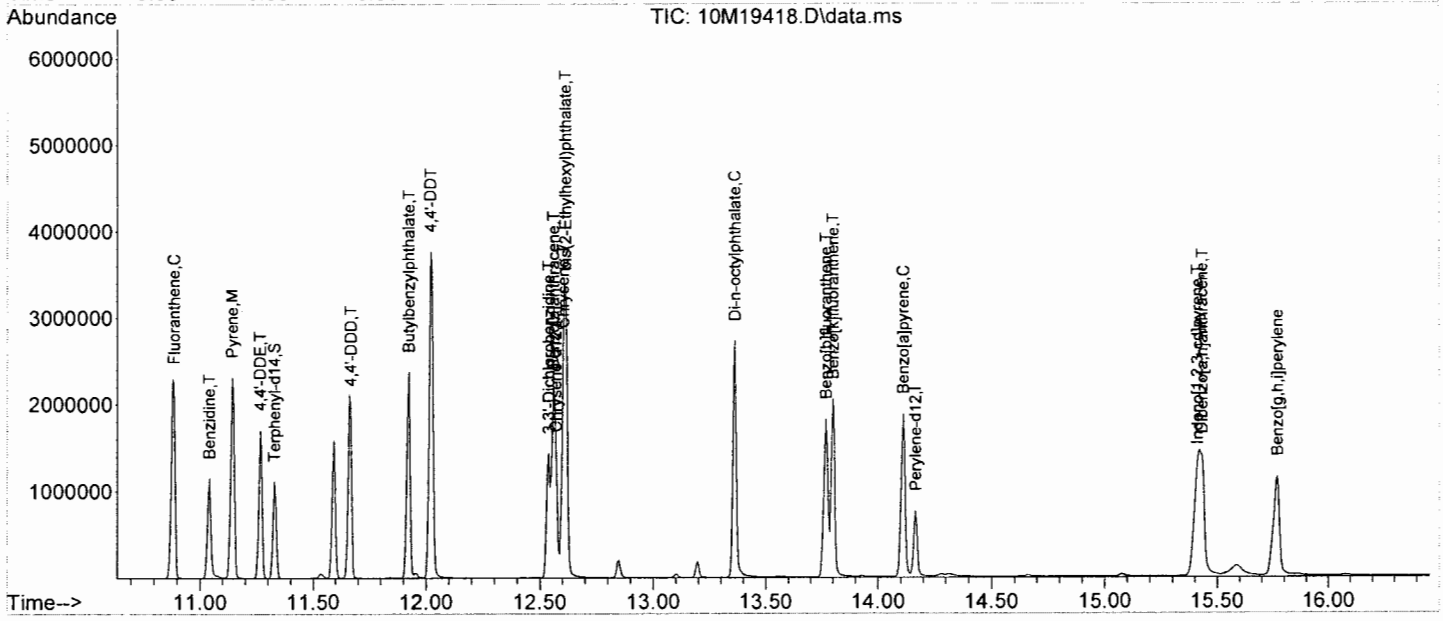
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M19418.D
Acq On : 02/ 9/11 10:48
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 11:44
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19418.D\data.ms
Isophorone,T
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2,4,6-Trichlorophenol,S
2-Nitroaniline,Diphenyl Ether,T
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->


Abundance
TIC: 10M19418.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

0224

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19417.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:41
Acq On : 02/ 9/11 10:26 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.687	152	81664	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	325018	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	178453	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	290688	40.00	ng	0.00
88) Chrysene-d12	12.576	240	248582	40.00	ng	0.00
100) Perylene-d12	14.164	264	247451	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	460318m	163.77	ng	0.00
Spiked Amount 100.000			Recovery = 163.77%			
15) Phenol-d5	5.382	99	561944	158.34	ng	0.01
Spiked Amount 100.000			Recovery = 158.34%			
30) Nitrobenzene-d5	6.141	128	111092	80.58	ng	0.00
Spiked Amount 50.000			Recovery = 161.16%			
52) 2-Fluorobiphenyl	7.521	172	426717	89.79	ng	0.00
Spiked Amount 50.000			Recovery = 179.58%			
77) 2,4,6-Tribromophenol	8.832	330	88899	170.72	ng	0.00
Spiked Amount 100.000			Recovery = 170.72%			
91) Terphenyl-d14	11.335	244	403446	82.61	ng	0.00
Spiked Amount 50.000			Recovery = 165.22%			
Target Compounds						Qvalue
8) Pyridine	2.852	79	521140	162.36	ng	96
9) N-Nitrosodimethylamine	2.798	74	320073	165.97	ng	96
11) Benzaldehyde	5.307	77	142380	68.82	ng	75
12) Aniline	5.403	93	669189	166.72	ng	80
13) Pentachloroethane	5.446	117	156620	155.45	ng	89
14) bis(2-Chloroethyl)ether	5.467	93	440814	148.87	ng	93
16) Phenol	5.393	94	616628	156.57	ng	100
17) 2-Chlorophenol	5.510	128	458768	160.10	ng	86
18) N-Decane	5.553	57	650684	143.44	ng	98
19) 1,3-Dichlorobenzene	5.633	146	460513	149.22	ng	98
20) 1,4-Dichlorobenzene	5.697	146	464881	150.41	ng	97
21) 1,2-Dichlorobenzene	5.826	146	446891	153.48	ng	99
22) Benzyl alcohol	5.804	108	320328	163.69	ng	80
23) bis(2-chloroisopropyl)...	5.917	45	937604	144.55	ng	94
24) 2-Methylphenol	5.901	108	436100	162.20	ng	95
25) Acetophenone	6.018	105	589478	139.44	ng	80
26) Hexachloroethane	6.099	117	199266	153.65	ng	98
27) N-Nitroso-di-n-propyla...	6.024	70	299979	142.84	ng	82
28) 3&4-Methylphenol	6.024	108	385218	143.51	ng	100
31) Nitrobenzene	6.157	77	504807	155.42	ng	82
32) Isophorone	6.345	82	921326	159.79	ng	91
33) 2-Nitrophenol	6.403	139	253531	164.43	ng	92
34) 2,4-Dimethylphenol	6.436	107	462036	161.78	ng	98
35) Benzoic Acid	6.543	105	434866m	211.78	ng	
36) bis(2-Chloroethoxy)met...	6.505	93	518149	152.94	ng	98
37) 2,4-Dichlorophenol	6.591	162	353085	159.53	ng	89
38) 1,2,4-Trichlorobenzene	6.649	180	356533	148.43	ng	99
39) Naphthalene	6.714	128	1218165	148.81	ng	100
40) 4-Chloroaniline	6.746	127	355742m	143.64	ng	
41) Hexachlorobutadiene	6.799	225	174555	156.65	ng	95
42) Caprolactam	7.056	113	171241	169.27	ng	67
43) 4-Chloro-3-methylphenol	7.115	107	422052	163.20	ng	89
44) 2-Methylnaphthalene	7.238	142	786085	150.01	ng	99
45) Methylnaphthalenes (To...	7.238	142	786085	150.01	ng	99
46) 1,1'-Biphenyl	7.607	154	992262	149.58	ng	96
48) 1,2,4,5-Tetrachloroben...	7.372	216	313641	150.60	ng	97
49) Hexachlorocyclopentadiene	7.361	237	188096	171.45	ng	98
50) 2,4,6-Trichlorophenol	7.457	196	227787m	160.24	ng	
51) 2,4,5-Trichlorophenol	7.495	196	246923m	164.31	ng	
53) 2-Chloronaphthalene	7.628	162	752663	153.48	ng	95
54) 1,4-Dimethylnaphthalene	7.906	156	526476	145.19	ng	96
55) Dimethylnaphthalenes (...	7.906	156	526476	145.19	ng	96
56) Diphenyl Ether	7.692	170	559829	153.02	ng	83
57) 2-Nitroaniline	7.708	65	356485	162.50	ng	75
58) Coumarin	7.896	146	307603	146.59	ng	60
59) Acenaphthylene	7.981	152	1181769	152.71	ng	99
60) Dimethylphthalate	7.858	163	874293	156.39	ng	99
61) 2,6-Dinitrotoluene	7.912	165	179982	152.64	ng	70
62) Acenaphthene	8.131	153	722399	150.83	ng	98
63) 3-Nitroaniline	8.056	138	222130	162.13	ng	81
64) 2,4-Dinitrophenol	8.147	184	123590	194.52	ng	56
65) Dibenzofuran	8.286	168	987352	143.87	ng	92

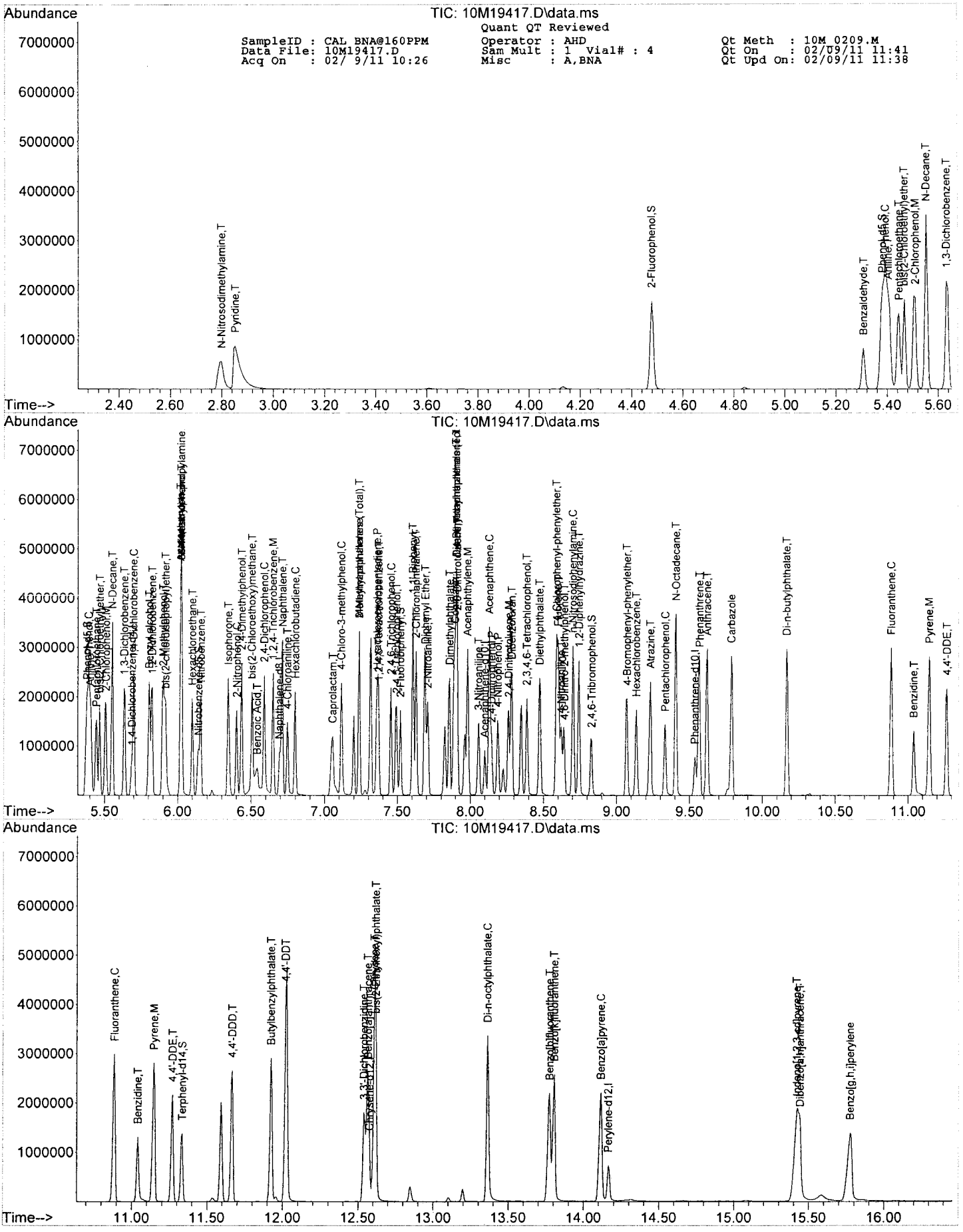
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19417.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:41
Acq On : 02/ 9/11 10:26 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.265	165	286445	167.13	ng	71
67)	4-Nitrophenol	8.190	65	241640m	178.52	ng	
68)	2,3,4,6-Tetrachlorophenol	8.388	232	176925	166.69	ng	96
69)	Fluorene	8.602	166	810812	148.82	ng	98
70)	4-Chlorophenyl-phenyle...	8.591	204	345436	150.16	ng	94
71)	Diethylphthalate	8.473	149	918585	159.26	ng	99
72)	4-Nitroaniline	8.623	138	274804	168.75	ng	82
73)	Atrazine	9.233	200	241721	162.62	ng	98
75)	4,6-Dinitro-2-methylph...	8.645	198	157230	189.05	ng	46
76)	n-Nitrosodiphenylamine	8.703	169	732434	154.22	ng	97
78)	1,2-Diphenylhydrazine	8.746	77	1134916	160.32	ng	91
79)	4-Bromophenyl-phenylether	9.072	248	187245	154.25	ng	98
80)	Hexachlorobenzene	9.137	284	182230	154.43	ng	86
81)	N-Octadecane	9.409	57	832246	145.96	ng	98
82)	Pentachlorophenol	9.334	266	134980	178.00	ng	97
83)	Phenanthrene	9.570	178	1179157	151.32	ng	99
84)	Anthracene	9.623	178	1201908	151.37	ng	99
85)	Carbazole	9.789	167	1248541	153.87	ng	99
86)	Di-n-butylphthalate	10.169	149	1581360	160.47	ng	99
87)	Fluoranthene	10.886	202	1292088	157.70	ng	97
89)	Pyrene	11.148	202	1301816	157.77	ng	95
90)	Benzidine	11.041	184	509016	135.66	ng	92
92)	4,4'-DDE	11.271	246	240788	163.43	ng	92
93)	4,4'-DDD	11.666	235	461162	164.68	ng	82
94)	Butylbenzylphthalate	11.923	149	731325	168.26	ng	81
95)	4,4'-DDT	12.020	235	369155	168.70	ng	91
96)	3,3'-Dichlorobenzidine	12.538	252	321299	200.10	ng	99
97)	Benzo[a]anthracene	12.565	228	1109056	161.47	ng	98
98)	Chrysene	12.608	228	1021886	153.87	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.619	149	927215	163.79	ng	95
101)	Di-n-octylphthalate	13.362	149	1812367	173.46	ng	100
102)	Benzo[b]fluoranthene	13.774	252	1109028	171.05	ng	97
103)	Benzo[k]fluoranthene	13.806	252	979009	146.96	ng	97
104)	Benzo[a]pyrene	14.116	252	1023071	159.18	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.421	276	1118638	165.65	ng	99
106)	Dibenzo[a,h]anthracene	15.443	278	891312	163.13	ng	97
107)	Benzo[g,h,i]perylene	15.774	276	963975	165.57	ng	88

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


Abundance
TIC: 10M19417.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M19417.D
Acq On : 02/ 9/11 10:26
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 11:41
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d6,S
Aniline,T
Phenol,M
Bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19417.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,S
Benzoic Acid,T
Naphthalene,C
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->

Abundance
TIC: 10M19417.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19416.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:40
Acq On : 02/ 9/11 10:03 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	81567	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	328051	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	179463	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	288556	40.00	ng	0.00
88) Chrysene-d12	12.576	240	242435	40.00	ng	0.00
100) Perylene-d12	14.170	264	249321	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	555698	197.94	ng	0.00
Spiked Amount 100.000			Recovery = 197.94%			
15) Phenol-d5	5.382	99	671048	189.30	ng	0.01
Spiked Amount 100.000			Recovery = 189.30%			
30) Nitrobenzene-d5	6.141	128	133051	95.62	ng	0.00
Spiked Amount 50.000			Recovery = 191.24%			
52) 2-Fluorobiphenyl	7.521	172	494178	103.40	ng	0.00
Spiked Amount 50.000			Recovery = 206.80%			
77) 2,4,6-Tribromophenol	8.832	330	105681	204.44	ng	0.00
Spiked Amount 100.000			Recovery = 204.44%			
91) Terphenyl-d14	11.335	244	477905	100.33	ng	0.00
Spiked Amount 50.000			Recovery = 200.66%			
Target Compounds						Qvalue
8) Pyridine	2.847	79	655389	204.43	ng	94
9) N-Nitrosodimethylamine	2.799	74	393955	204.53	ng	95
11) Benzaldehyde	5.307	77	129855	62.84	ng	78
12) Aniline	5.409	93	759566	189.47	ng	82
13) Pentachloroethane	5.441	117	184572	183.41	ng	88
14) bis(2-Chloroethyl)ether	5.467	93	505836	171.03	ng	93
16) Phenol	5.393	94	706776	179.68	ng	97
17) 2-Chlorophenol	5.510	128	528971	184.81	ng	90
18) N-Decane	5.553	57	767563	169.41	ng	99
19) 1,3-Dichlorobenzene	5.633	146	546765	177.38	ng	99
20) 1,4-Dichlorobenzene	5.697	146	552578	179.00	ng	98
21) 1,2-Dichlorobenzene	5.826	146	511123	175.75	ng	99
22) Benzyl alcohol	5.804	108	365284	186.89	ng	80
23) bis(2-chloroisopropyl)...	5.917	45	1098397	169.54	ng	93
24) 2-Methylphenol	5.901	108	511527	190.49	ng	95
25) Acetophenone	6.024	105	700978	166.01	ng	78
26) Hexachloroethane	6.099	117	235194	181.57	ng	99
27) N-Nitroso-di-n-propyla...	6.024	70	350385	167.04	ng	80
28) 3&4-Methylphenol	6.029	108	456443	170.25	ng	98
31) Nitrobenzene	6.157	77	590897	180.25	ng	85
32) Isophorone	6.345	82	1084423	186.34	ng	92
33) 2-Nitrophenol	6.404	139	299802	192.64	ng	91
34) 2,4-Dimethylphenol	6.436	107	541614	187.89	ng	97
35) Benzoic Acid	6.553	105	522715	252.21	ng	89
36) bis(2-Chloroethoxy)met...	6.510	93	617898	180.69	ng	97
37) 2,4-Dichlorophenol	6.591	162	408818	183.00	ng	90
38) 1,2,4-Trichlorobenzene	6.650	180	419518	173.03	ng	99
39) Naphthalene	6.714	128	1422046	172.11	ng	99
40) 4-Chloroaniline	6.746	127	408290m	163.33	ng	
41) Hexachlorobutadiene	6.799	225	196204	174.45	ng	96
42) Caprolactam	7.061	113	219334	214.81	ng	64
43) 4-Chloro-3-methylphenol	7.115	107	492918	188.84	ng	91
44) 2-Methylnaphthalene	7.238	142	921284	174.19	ng	99
45) Methylnaphthalenes (To...	7.238	142	921284	174.19	ng	99
46) 1,1'-Biphenyl	7.607	154	1152154	172.08	ng	95
48) 1,2,4,5-Tetrachloroben...	7.372	216	368126	175.77	ng	99
49) Hexachlorocyclopentadiene	7.361	237	224092	203.11	ng	100
50) 2,4,6-Trichlorophenol	7.457	196	274645m	192.11	ng	
51) 2,4,5-Trichlorophenol	7.495	196	297483m	196.84	ng	
53) 2-Chloronaphthalene	7.628	162	857109	173.80	ng	96
54) 1,4-Dimethylnaphthalene	7.906	156	600683	164.73	ng	96
55) Dimethylnaphthalenes (...	7.906	156	600683	164.73	ng	96
56) Diphenyl Ether	7.693	170	655013	178.03	ng	84
57) 2-Nitroaniline	7.709	65	417843	189.40	ng	77
58) Coumarin	7.896	146	354092	167.79	ng	59
59) Acenaphthylene	7.981	152	1363383	175.18	ng	100
60) Dimethylphthalate	7.858	163	1004573	178.68	ng	99
61) 2,6-Dinitrotoluene	7.912	165	206761	174.37	ng	73
62) Acenaphthene	8.131	153	855431	177.60	ng	97
63) 3-Nitroaniline	8.056	138	253564	184.04	ng	81
64) 2,4-Dinitrophenol	8.147	184	146613	229.46	ng	56
65) Dibenzofuran	8.286	168	1170824	169.65	ng	92

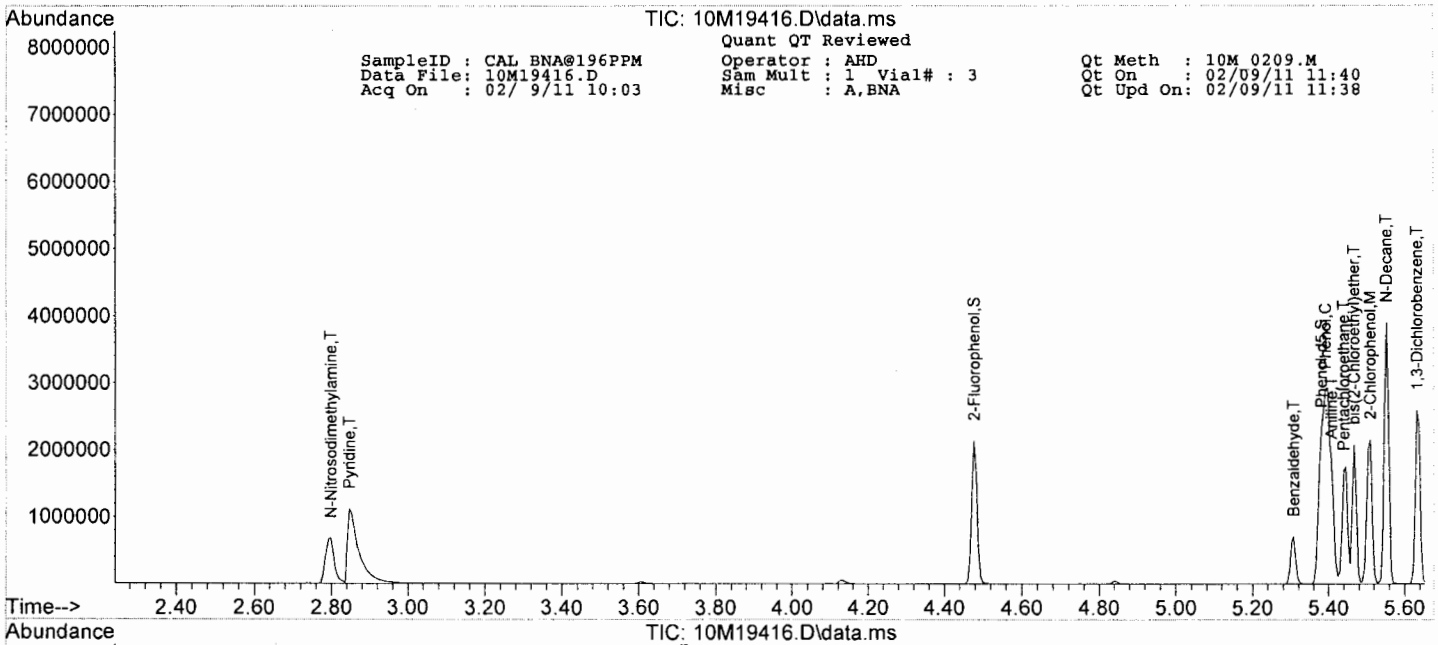
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19416.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:40
Acq On : 02/ 9/11 10:03 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.265	165	336216	195.06	ng	77
67)	4-Nitrophenol	8.190	65	291258	213.97	ng	95
68)	2,3,4,6-Tetrachlorophenol	8.388	232	208120	194.98	ng	96
69)	Fluorene	8.602	166	955626	174.42	ng	99
70)	4-Chlorophenyl-phenyle...	8.591	204	408102	176.41	ng	94
71)	Diethylphthalate	8.479	149	1063091	183.28	ng	99
72)	4-Nitroaniline	8.623	138	323589	197.59	ng	85
73)	Atrazine	9.233	200	286933	191.95	ng	98
75)	4,6-Dinitro-2-methylph...	8.645	198	188962	228.88	ng	42
76)	n-Nitrosodiphenylamine	8.703	169	846070	179.47	ng	99
78)	1,2-Diphenylhydrazine	8.746	77	1319627	187.79	ng	89
79)	4-Bromophenyl-phenylether	9.072	248	221231	183.59	ng	94
80)	Hexachlorobenzene	9.137	284	212879	181.74	ng	86
81)	N-Octadecane	9.409	57	931220	164.53	ng	98
82)	Pentachlorophenol	9.335	266	162422	215.77	ng	96
83)	Phenanthrene	9.570	178	1380268	178.43	ng	99
84)	Anthracene	9.623	178	1429755	181.40	ng	99
85)	Carbazole	9.789	167	1445285	179.43	ng	99
86)	Di-n-butylphthalate	10.169	149	1845992	188.71	ng	99
87)	Fluoranthene	10.886	202	1521240	187.04	ng	99
89)	Pyrene	11.148	202	1541953	191.61	ng	94
90)	Benzidine	11.041	184	579478	158.36	ng	92
92)	4,4'-DDE	11.271	246	282974	196.93	ng	94
93)	4,4'-DDD	11.667	235	543619	199.04	ng	84
94)	Butylbenzylphthalate	11.923	149	863010	203.59	ng	80
95)	4,4'-DDT	12.020	235	435651	204.14	ng	92
96)	3,3'-Dichlorobenzidine	12.544	252	366295	233.90	ng	97
97)	Benzo[a]anthracene	12.565	228	1303471	194.58	ng	100
98)	Chrysene	12.608	228	1227980	189.58	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.619	149	1063649	192.66	ng	94
101)	Di-n-octylphthalate	13.362	149	2104400	199.90	ng	100
102)	Benzo[b]fluoranthene	13.774	252	1296807m	198.52	ng	
103)	Benzo[k]fluoranthene	13.806	252	1189882	177.28	ng	97
104)	Benzo[a]pyrene	14.116	252	1235225	190.75	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.421	276	1322418	194.36	ng	95
106)	Dibenzo[a,h]anthracene	15.443	278	1046547	190.10	ng	98
107)	Benzo[g,h,i]perylene	15.780	276	1133272	193.19	ng	88

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


Abundance
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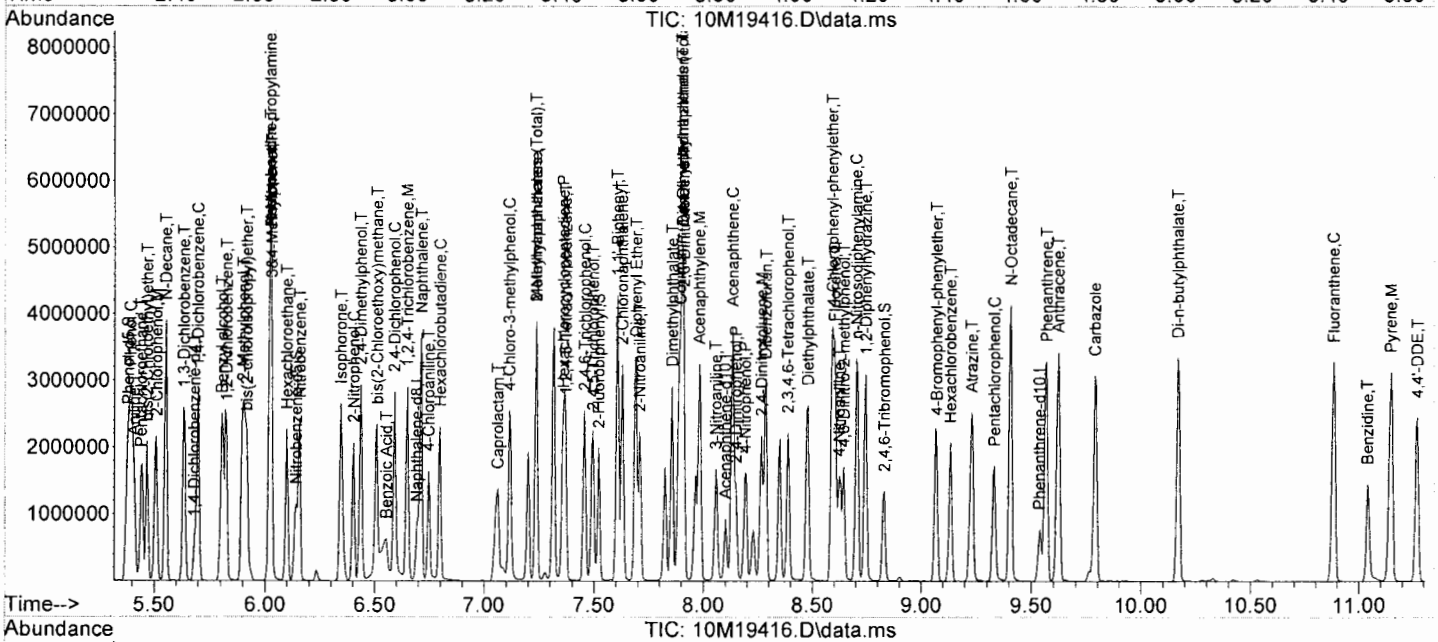
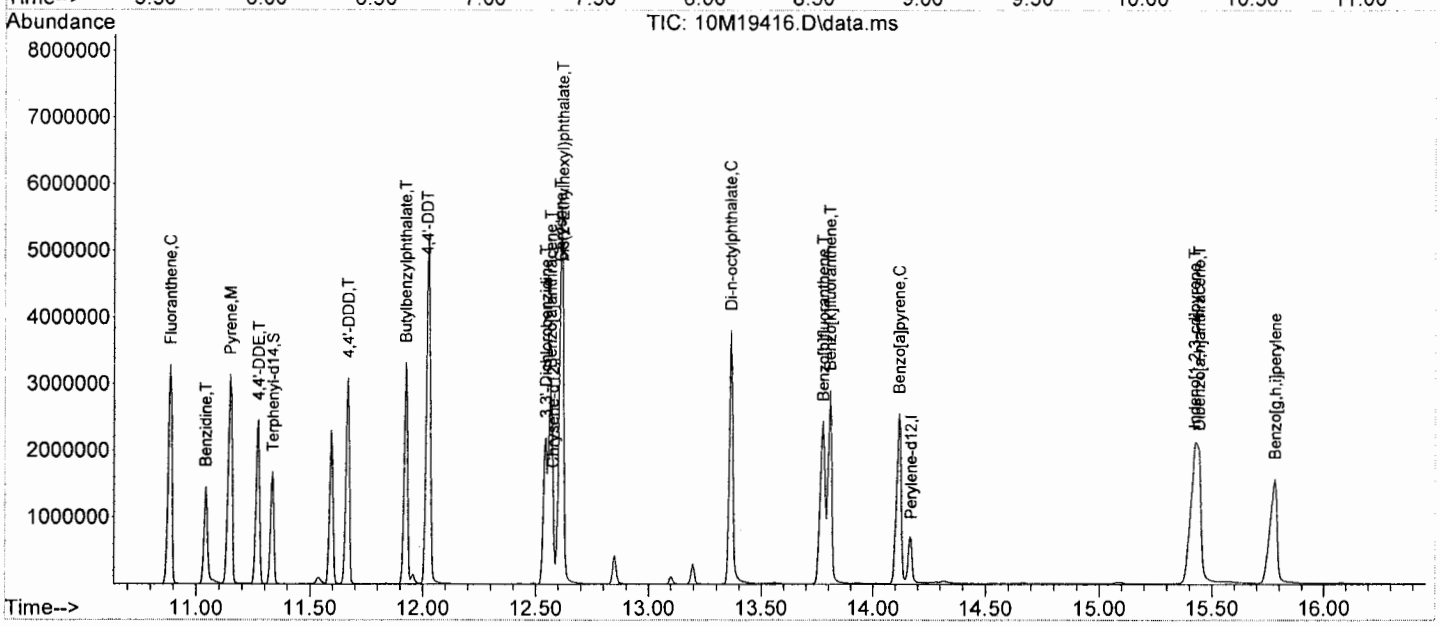
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M19416.D
Acq On : 02/ 9/11 10:03
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 11:40
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19416.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->


Abundance
TIC: 10M19416.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19423.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:30
Acq On : 02/ 9/11 12:39 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.681	152	94761	40.00 ng	0.00
29) Naphthalene-d8	6.692	136	379371	40.00 ng	0.00
47) Acenaphthene-d10	8.093	164	208090	40.00 ng	0.00
74) Phenanthrene-d10	9.532	188	334648	40.00 ng	0.00
88) Chrysene-d12	12.565	240	304578	40.00 ng	0.00
100) Perylene-d12	14.164	264	279460	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D.	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.890	108	1400	0.45 ng	96
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	6.018	108	1489	0.48 ng	95
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.430	107	1549	0.46 ng	89
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.708	128	5511	0.58 ng	98
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D.	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D.	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D. d	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.275	168	4437	0.55 ng	92

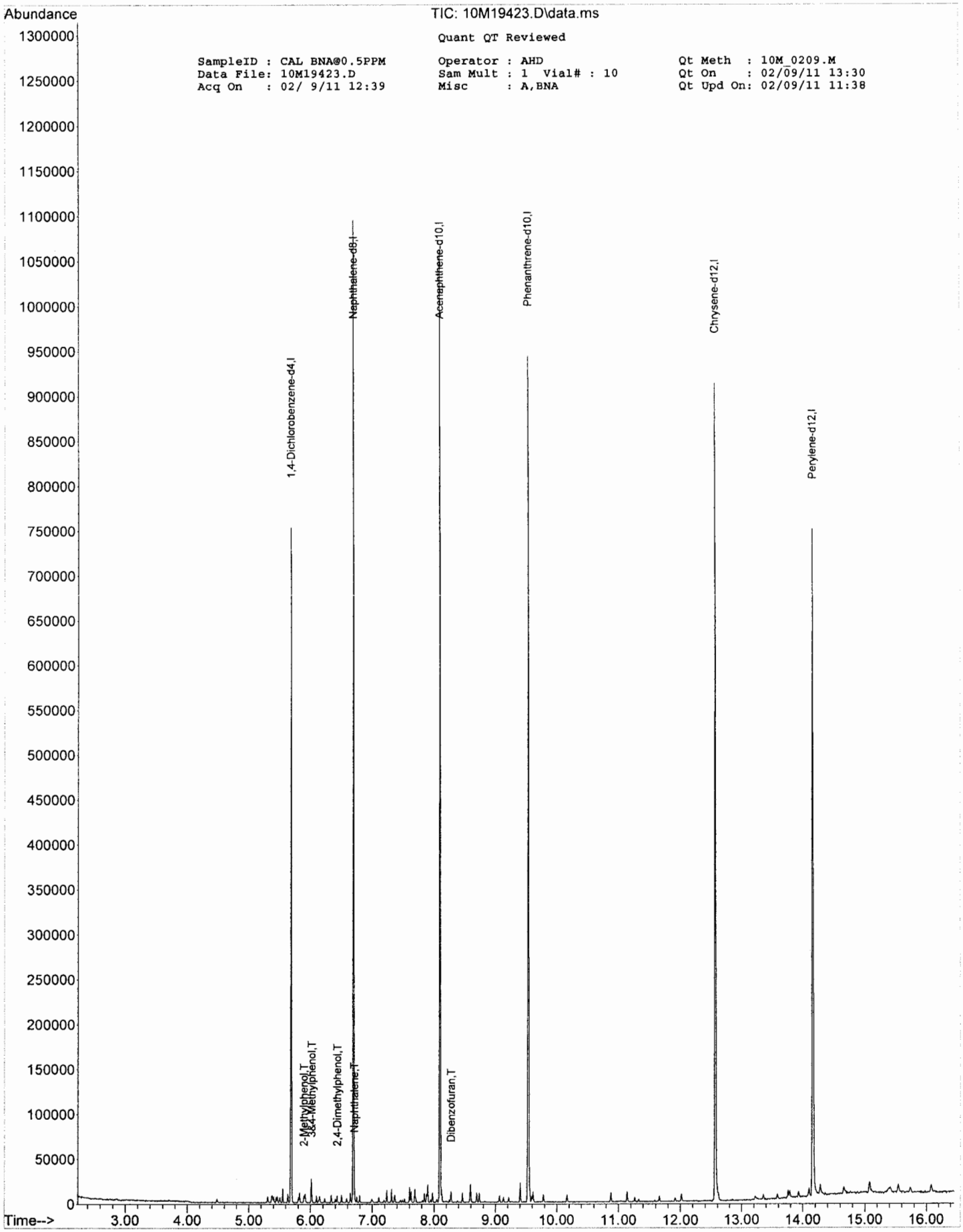
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19423.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:30
Acq On : 02/ 9/11 12:39 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
67)	4-Nitrophenol	0.000		0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
69)	Fluorene	0.000		0	N.D.	d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71)	Diethylphthalate	0.000		0	N.D.	d	
72)	4-Nitroaniline	0.000		0	N.D.	d	
73)	Atrazine	0.000		0	N.D.	d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80)	Hexachlorobenzene	0.000		0	N.D.	d	
81)	N-Octadecane	0.000		0	N.D.	d	
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	0.000		0	N.D.	d	
84)	Anthracene	0.000		0	N.D.	d	
85)	Carbazole	0.000		0	N.D.	d	
86)	Di-n-butylphthalate	0.000		0	N.D.	d	
87)	Fluoranthene	0.000		0	N.D.	d	
89)	Pyrene	0.000		0	N.D.	d	
90)	Benzidine	0.000		0	N.D.	d	
92)	4,4'-DDE	0.000		0	N.D.	d	
93)	4,4'-DDD	0.000		0	N.D.	d	
94)	Butylbenzylphthalate	0.000		0	N.D.	d	
95)	4,4'-DDT	0.000		0	N.D.	d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97)	Benzo[a]anthracene	0.000		0	N.D.	d	
98)	Chrysene	0.000		0	N.D.	d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101)	Di-n-octylphthalate	0.000		0	N.D.	d	
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
104)	Benzo[a]pyrene	0.000		0	N.D.	d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 10M19423.D
Acq On : 02/ 9/11 12:39
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 13:30
Qt Upd On: 02/09/11 11:38
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32490.	CAL BNA@50PPM	02/28/11 10:32	2	9M32491.	CAL BNA@2PPM	02/28/11 10:55
3	9M32493.	CAL BNA@10PPM	02/28/11 11:42	4	9M32494.	CAL BNA@20PPM	02/28/11 12:05
5	9M32495.	CAL BNA@80PPM	02/28/11 12:29	6	9M32496.	CAL BNA@120PPM	02/28/11 12:52
7	9M32497.	CAL BNA@160PPM	02/28/11 13:33	8	9M32498.	CAL BNA@196PPM	02/28/11 13:57
9	9M32492.	CAL BNA@.5PPM	02/28/11 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.6949	1.0729	1.5426	1.4781	1.7842	1.7557	1.7246	1.6836	-----	1.59	2.57	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0052	0.6451	0.9849	0.8741	1.0791	1.0635	1.0545	1.0333	-----	0.968	2.51	0.997	0.997	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3533	1.0067	1.1987	1.1826	1.4566	1.4608	1.4463	1.4114	-----	1.31	4.28	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0054	0.8960	1.0459	0.9569	0.9301	0.8112	0.6216	0.5243	-----	0.849	5.13	0.896	0.997	22		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.1878	1.5055	1.7611	2.0054	2.4474	2.3887	2.2950	2.1996	-----	2.10	5.23	0.996	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4408	0.4232	0.4465	0.4136	0.4600	0.4589	0.4429	0.4315	-----	0.440	5.26	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5132	1.5096	1.6378	1.4209	1.5828	1.5376	1.4836	1.4489	-----	1.52	5.29	0.998	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.8898	1.7311	1.8354	1.7286	2.0178	1.9735	1.9217	1.8755	-----	1.87	5.21	0.999	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1132	1.8137	2.0832	1.9468	2.2260	2.1616	2.0855	2.0632	-----	2.06	5.22	0.999	1.00	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4954	1.3132	1.5159	1.3927	1.5658	1.5440	1.5149	1.4992	-----	1.48	5.33	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6980	1.6898	1.7928	1.6027	1.7817	1.6933	1.6243	1.5684	-----	1.68	5.39	0.998	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5224	1.5480	1.5946	1.4460	1.5811	1.5560	1.4986	1.4731	-----	1.53	5.46	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5435	1.6483	1.6407	1.4585	1.6057	1.5718	1.5215	1.4972	-----	1.56	5.53	0.999	1.00	4.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4285	1.5199	1.5432	1.4085	1.5003	1.4657	1.4152	1.3767	-----	1.46	5.65	0.998	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0022	0.8608	0.9976	0.9397	1.0762	1.0582	1.0257	1.0063	-----	0.996	5.63	0.999	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.2247	2.3265	2.4363	2.1952	2.3383	2.2488	2.1304	2.0884	-----	2.25	5.75	0.997	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3842	1.3137	1.4312	1.3180	1.4499	1.4375	1.3835	1.3683	1.2047	1.37	5.73	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0264	2.0679	2.2108	1.9558	2.1259	2.0555	1.9895	1.9621	-----	2.05	5.85	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5810	0.5527	0.6067	0.5458	0.6102	0.5984	0.5823	0.5805	-----	0.582	5.93	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1247	1.1454	1.2107	1.0927	1.1789	1.1383	1.0944	1.0832	-----	1.13	5.85	0.999	1.00	3.9	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4226	1.3947	1.5110	1.3888	1.4833	1.4367	1.3819	1.3793	1.2699	1.41	5.86	0.999	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1693	0.1402	0.1561	0.1534	0.1849	0.1813	0.1803	0.1746	-----	0.168	5.97	0.999	0.999	9.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3854	0.3607	0.3893	0.3490	0.4109	0.3988	0.3889	0.3752	-----	0.382	5.99	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7382	0.6922	0.7581	0.6904	0.7881	0.7613	0.7577	0.7330	-----	0.740	6.18	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1791	0.1270	0.1591	0.1563	0.1949	0.1932	0.1932	0.1894	-----	0.174	6.24	0.999	0.999	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3698	0.3267	0.3624	0.3407	0.3876	0.3745	0.3669	0.3514	0.3570	0.360	6.27	0.998	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2199	-----	0.0874	0.1267	0.2658	0.2913	0.3072	0.3070	-----	0.229	6.38	0.995	0.998	39		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4419	0.4224	0.4636	0.4270	0.4753	0.4480	0.4416	0.4250	-----	0.443	6.34	0.998	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2729	0.2256	0.2565	0.2496	0.2865	0.2805	0.2773	0.2694	-----	0.265	6.42	0.999	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2849	0.2948	0.2982	0.2624	0.2987	0.2895	0.2868	0.2767	-----	0.287	6.48	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0993	1.1454	1.1788	1.0402	1.1519	1.0995	1.0719	1.0265	1.3136	1.13	6.55	0.998	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.3886	0.2880	0.3197	0.3515	0.4110	0.3619	0.3071	0.2614	-----	0.336	6.59	0.969	0.995	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1264	0.1228	0.1311	0.1189	0.1334	0.1311	0.1298	0.1282	-----	0.128	6.64	1.00	1.00	3.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1358	0.0934	0.1237	0.1224	0.1432	0.1188	0.1523	0.1228	-----	0.127	6.87	0.988	0.989	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3285	0.2767	0.3113	0.2953	0.3518	0.3414	0.3385	0.3269	-----	0.321	6.95	0.999	0.999	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6885	0.6834	0.7268	0.6542	0.7308	0.7012	0.6858	0.6531	-----	0.690	7.07	0.997	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6885	0.6834	0.7268	0.6542	0.7308	0.7012	0.6858	0.6531	-----	0.690	7.07	0.997	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9077	0.9023	0.9719	0.8687	0.9619	0.9164	0.9000	0.8592	-----	0.911	7.44	0.997	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4460	0.4549	0.4607	0.4170	0.4654	0.4521	0.4452	0.4440	-----	0.448	7.20	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2021	0.0877	0.1403	0.1531	0.2295	0.2368	0.2389	0.2419	-----	0.191	7.19	0.995	0.998	30	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3005	0.2540	0.2954	0.2716	0.3263	0.3262	0.3187	0.3189	-----	0.302	7.29	0.999	0.999	8.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.98

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0234

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32490.	CAL BNA@50PPM	02/28/11 10:32	2	9M32491.	CAL BNA@2PPM	02/28/11 10:55
3	9M32493.	CAL BNA@10PPM	02/28/11 11:42	4	9M32494.	CAL BNA@20PPM	02/28/11 12:05
5	9M32495.	CAL BNA@80PPM	02/28/11 12:29	6	9M32496.	CAL BNA@120PPM	02/28/11 12:52
7	9M32497.	CAL BNA@160PPM	02/28/11 13:33	8	9M32498.	CAL BNA@196PPM	02/28/11 13:57
9	9M32492.	CAL BNA@.5PPM	02/28/11 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3329	0.2591	0.3031	0.2846	0.3518	0.3422	0.3414	0.3345	-----	0.319	7.32	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2820	1.2297	1.3269	1.2321	1.3557	1.3038	1.2747	1.2421	-----	1.28	7.36	0.999	1.00	3.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1214	1.1541	1.1973	1.0698	1.1712	1.1180	1.0795	1.0550	-----	1.12	7.45	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.8918	0.8880	0.9499	0.8478	0.9066	0.8680	0.8328	0.8171	-----	0.875	7.72	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8918	0.8880	0.9499	0.8478	0.9066	0.8680	0.8328	0.8171	-----	0.875	7.72	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8355	0.8926	0.9092	0.8148	0.8858	0.8412	0.8246	0.8148	-----	0.852	7.52	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4678	0.3718	0.4446	0.4249	0.4916	0.4701	0.4481	0.4311	-----	0.444	7.53	0.996	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5257	0.5086	0.5527	0.4933	0.5460	0.5153	0.4919	0.4776	-----	0.514	7.71	0.997	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9197	1.7997	2.0083	1.8079	2.0172	1.9183	1.8548	1.7948	-----	1.89	7.80	0.997	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3026	1.2638	1.3449	1.2157	1.3783	1.3337	1.2933	1.2554	-----	1.30	7.68	0.998	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2830	0.1956	0.2792	0.2599	0.2964	0.2911	0.2857	0.2804	-----	0.271	7.73	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2057	1.2473	1.2810	1.1456	1.2713	1.2227	1.1842	1.1605	-----	1.21	7.94	0.998	1.00	4.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3209	0.2505	0.3145	0.2996	0.3438	0.3127	0.2947	0.2794	-----	0.302	7.87	0.992	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1038	-----	0.0487	0.0593	0.1315	0.1470	0.1525	0.1555	-----	0.114	7.97	0.993	0.997	39	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6290	1.6602	1.7146	1.5499	1.7156	1.6205	1.5648	1.5164	1.8570	1.65	8.10	0.998	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	LinF	0.3787	0.2441	0.3265	0.3215	0.4126	0.4035	0.3943	0.3834	-----	0.358	8.08	0.998	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.2765	0.1432	0.2246	0.2308	0.3047	0.2990	0.2995	0.2941	-----	0.259	8.01	0.999	0.999	22	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2403	0.1739	0.2294	0.2106	0.2550	0.2485	0.2494	0.2439	-----	0.231	8.20	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3613	1.2969	1.4206	1.2770	1.4195	1.3572	1.3149	1.2827	-----	1.34	8.41	0.998	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.5430	0.5273	0.5689	0.5118	0.5725	0.5548	0.5432	0.5380	-----	0.545	8.40	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3361	1.2932	1.3499	1.2487	1.4077	1.3521	1.3169	1.2797	-----	1.32	8.30	0.998	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3914	0.2704	0.3542	0.3463	0.4211	0.4017	0.3945	0.3802	-----	0.370	8.43	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3495	0.2887	0.3346	0.3095	0.3682	0.3573	0.3519	0.3379	-----	0.337	9.04	0.998	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1000	0.0231	0.0578	0.0709	0.1175	0.1216	0.1249	0.1243	-----	0.0926	8.45	0.993	0.996	41		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7135	0.6900	0.7275	0.6684	0.7524	0.7198	0.7059	0.6896	-----	0.708	8.52	0.999	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0496	0.0367	0.0424	0.0436	0.0548	0.0543	0.0556	0.0562	-----	0.0492	8.63	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.9323	0.8927	0.9875	0.8922	0.9893	0.9361	0.9037	0.8838	-----	0.927	8.55	0.998	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1555	0.1466	0.1495	0.1437	0.1674	0.1637	0.1642	0.1627	-----	0.157	8.87	1.00	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1375	0.1386	0.1400	0.1270	0.1456	0.1429	0.1431	0.1441	-----	0.140	8.94	1.00	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6633	0.5477	0.6552	0.6197	0.7137	0.6742	0.6490	0.6289	-----	0.644	9.23	0.997	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0894	-----	0.0566	0.0645	0.1007	0.1021	0.1043	0.1055	-----	0.0891	9.14	0.999	0.999	23	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1035	1.1713	1.1855	1.0502	1.1580	1.1117	1.0810	1.0598	-----	1.12	9.36	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1460	1.0956	1.1880	1.0702	1.1984	1.1399	1.1130	1.0788	-----	1.13	9.41	0.998	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1637	1.0727	1.1804	1.0710	1.2221	1.1564	1.1290	1.1027	-----	1.14	9.59	0.998	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4078	1.0884	1.3176	1.2623	1.4990	1.4277	1.4016	1.3784	-----	1.35	9.98	0.999	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1599	0.9941	1.1144	1.0320	1.2238	1.1544	1.1434	1.1196	-----	1.12	10.67	0.999	1.00	6.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3986	1.2599	1.4170	1.3437	1.5151	1.5047	1.4587	1.4350	-----	1.42	10.93	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5700	0.1846	0.2469	0.4092	0.6327	0.5528	0.4498	0.4020	-----	0.431	10.83	0.941	0.994	36		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7841	0.7097	0.7658	0.7485	0.8660	0.8731	0.8590	0.8627	-----	0.809	11.13	0.999	0.999	7.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p,p'-DDE	1	0	Avg	0.2232	0.2049	0.2269	0.2144	0.2415	0.2465	0.2421	0.2418	-----	0.230	11.07	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDD	1	0	Avg	0.4524	0.3629	0.4259	0.4186	0.4978	0.5068	0.4954	0.4939	-----	0.457	11.46	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.98

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32490.	CAL BNA@50PPM	02/28/11 10:32	2	9M32491.	CAL BNA@2PPM	02/28/11 10:55
3	9M32493.	CAL BNA@10PPM	02/28/11 11:42	4	9M32494.	CAL BNA@20PPM	02/28/11 12:05
5	9M32495.	CAL BNA@80PPM	02/28/11 12:29	6	9M32496.	CAL BNA@120PPM	02/28/11 12:52
7	9M32497.	CAL BNA@160PPM	02/28/11 13:33	8	9M32498.	CAL BNA@196PPM	02/28/11 13:57
9	9M32492.	CAL BNA@.5PPM	02/28/11 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7499	0.5508	0.6846	0.6788	0.8295	0.8210	0.7994	0.7791	-----	0.737	11.73	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	LinF	0.3459	0.1980	0.2888	0.2971	0.3928	0.3911	0.3863	0.3757	-----	0.334	11.82	0.998	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3101	0.2206	0.2842	0.2904	0.3649	0.3279	0.2893	0.2777	-----	0.296	12.33	0.983	0.996	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1626	1.0960	1.1484	1.0883	1.2521	1.2230	1.2002	1.1992	-----	1.17	12.35	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1112	1.1343	1.1663	1.0437	1.1735	1.1554	1.1109	1.0851	-----	1.12	12.39	0.998	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0170	0.6851	0.9283	0.9177	1.1099	1.0856	1.0494	1.0210	-----	0.977	12.43	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	2.0384	1.2394	1.6943	1.7433	2.2688	2.2922	2.2625	2.1946	-----	1.97	13.17	0.998	0.998	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1425	1.0667	1.1366	1.0519	1.2949	1.3157	1.2697	1.3624	-----	1.21	13.56	0.997	0.998	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2620	1.0604	1.2025	1.1521	1.2820	1.2385	1.2294	1.0699	-----	1.19	13.59	0.988	0.997	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1404	0.9414	1.0603	1.0022	1.2351	1.2183	1.1907	1.1793	-----	1.12	13.90	0.999	0.999	9.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.1312	0.9202	1.0505	0.9925	1.2127	1.2037	1.1859	1.1852	-----	1.11	15.13	1.00	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	0.8867	0.7144	0.8300	0.7816	0.9490	0.9440	0.9283	0.9233	-----	0.870	15.15	0.999	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9325	0.8262	0.8876	0.8289	0.9928	0.9730	0.9679	0.9716	-----	0.923	15.45	1.00	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.98

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32490.D Sam Mult : 1 Vial# : 2 Qt On : 02/28/11 13:40
Acq On : 02/28/11 10:32 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	84643	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	326705	40.00	ng	-0.05
47) Acenaphthene-d10	7.917	164	174625	40.00	ng	-0.05
74) Phenanthrene-d10	9.334	188	285496	40.00	ng	-0.06
88) Chrysene-d12	12.356	240	242975	40.00	ng	-0.06
100) Perylene-d12	13.961	264	209380	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	143191	51.99	ng	-0.04
Spiked Amount 100.000			Recovery = 51.99%			
15) Phenol-d5	5.205	99	199956	51.63	ng	-0.04
Spiked Amount 100.000			Recovery = 51.63%			
30) Nitrobenzene-d5	5.970	128	34572	25.36	ng	-0.05
Spiked Amount 50.000			Recovery = 50.72%			
52) 2-Fluorobiphenyl	7.355	172	139919	25.26	ng	-0.04
Spiked Amount 50.000			Recovery = 50.52%			
77) 2,4,6-Tribromophenol	8.634	330	17733	50.21	ng	-0.05
Spiked Amount 100.000			Recovery = 50.21%			
91) Terphenyl-d14	11.126	244	119083	24.27	ng	-0.06
Spiked Amount 50.000			Recovery = 48.54%			
Target Compounds						Qvalue
8) Pyridine	2.574	79	179335	57.90	ng	79
9) N-Nitrosodimethylamine	2.515	74	106360	54.02	ng	76
11) Benzaldehyde	5.125	77	106380	63.04	ng	79
12) Aniline	5.227	93	231480	52.46	ng	39
13) Pentachloroethane	5.264	117	46646	49.10	ng	91
14) bis(2-Chloroethyl)ether	5.291	93	160106	51.81	ng	84
16) Phenol	5.216	94	223587	52.42	ng	98
17) 2-Chlorophenol	5.328	128	158224	51.25	ng	85
18) N-Decane	5.387	57	179664	48.07	ng	86
19) 1,3-Dichlorobenzene	5.462	146	161084	50.37	ng	98
20) 1,4-Dichlorobenzene	5.526	146	163312	50.39	ng	98
21) 1,2-Dichlorobenzene	5.649	146	151149	49.63	ng	99
22) Benzyl alcohol	5.633	108	106038	50.24	ng	75
23) bis(2-chloroisopropyl)...	5.751	45	235390	52.90	ng	94
24) 2-Methylphenol	5.735	108	146463	51.27	ng	100
25) Acetophenone	5.847	105	214407	47.33	ng	65
26) Hexachloroethane	5.927	117	61474	51.86	ng	96
27) N-Nitroso-di-n-propyla...	5.852	70	119006	51.54	ng	74
28) 3&4-Methylphenol	5.858	108	150523	51.30	ng	96
31) Nitrobenzene	5.986	77	157412	52.73	ng	78
32) Isophorone	6.179	82	301504	51.11	ng	83
33) 2-Nitrophenol	6.238	139	73144	53.81	ng	86
34) 2,4-Dimethylphenol	6.275	107	151034	53.27	ng	92
35) Benzoic Acid	6.377	105	89832	46.55	ng	88
36) bis(2-Chloroethoxy)met...	6.345	93	180496	51.13	ng	95
37) 2,4-Dichlorophenol	6.425	162	111459	50.44	ng	90
38) 1,2,4-Trichlorobenzene	6.484	180	116384	49.17	ng	97
39) Naphthalene	6.548	128	448941	50.13	ng	100
40) 4-Chloroaniline	6.585	127	158720	56.94	ng	98
41) Hexachlorobutadiene	6.639	225	51637	48.10	ng	96
42) Caprolactam	6.869	113	55493	51.30	ng	69
43) 4-Chloro-3-methylphenol	6.954	107	134189	51.61	ng	87
44) 2-Methylnaphthalene	7.072	142	281192	49.98	ng	100
45) Methylnaphthalenes (To...	7.072	142	281192	49.98	ng	100
46) 1,1'-Biphenyl	7.436	154	370695	49.96	ng	96
48) 1,2,4,5-Tetrachloroben...	7.200	216	97370	46.70	ng	98
49) Hexachlorocyclopentadiene	7.190	237	44120	49.01	ng	99
50) 2,4,6-Trichlorophenol	7.286	196	65594	49.33	ng	99
51) 2,4,5-Trichlorophenol	7.318	196	72679	52.68	ng	97
53) 2-Chloronaphthalene	7.452	162	244788	50.77	ng	97
54) 1,4-Dimethylnaphthalene	7.724	156	194670	47.80	ng	93
55) Dimethylnaphthalenes (...	7.724	156	194670	47.80	ng	93
56) Diphenyl Ether	7.516	170	182390	46.41	ng	86
57) 2-Nitroaniline	7.532	65	102114	56.77	ng	64
58) Coumarin	7.708	146	114755	53.43	ng	76
59) Acenaphthylene	7.799	152	419039	51.53	ng	100
60) Dimethylphthalate	7.682	163	284336	50.19	ng	98
61) 2,6-Dinitrotoluene	7.730	165	61792	53.81	ng	71
62) Acenaphthene	7.944	153	263195	50.71	ng	96
63) 3-Nitroaniline	7.874	138	70055	53.13	ng	65
64) 2,4-Dinitrophenol	7.965	184	22672	58.40	ng	89
65) Dibenzofuran	8.099	168	355588	50.49	ng	88

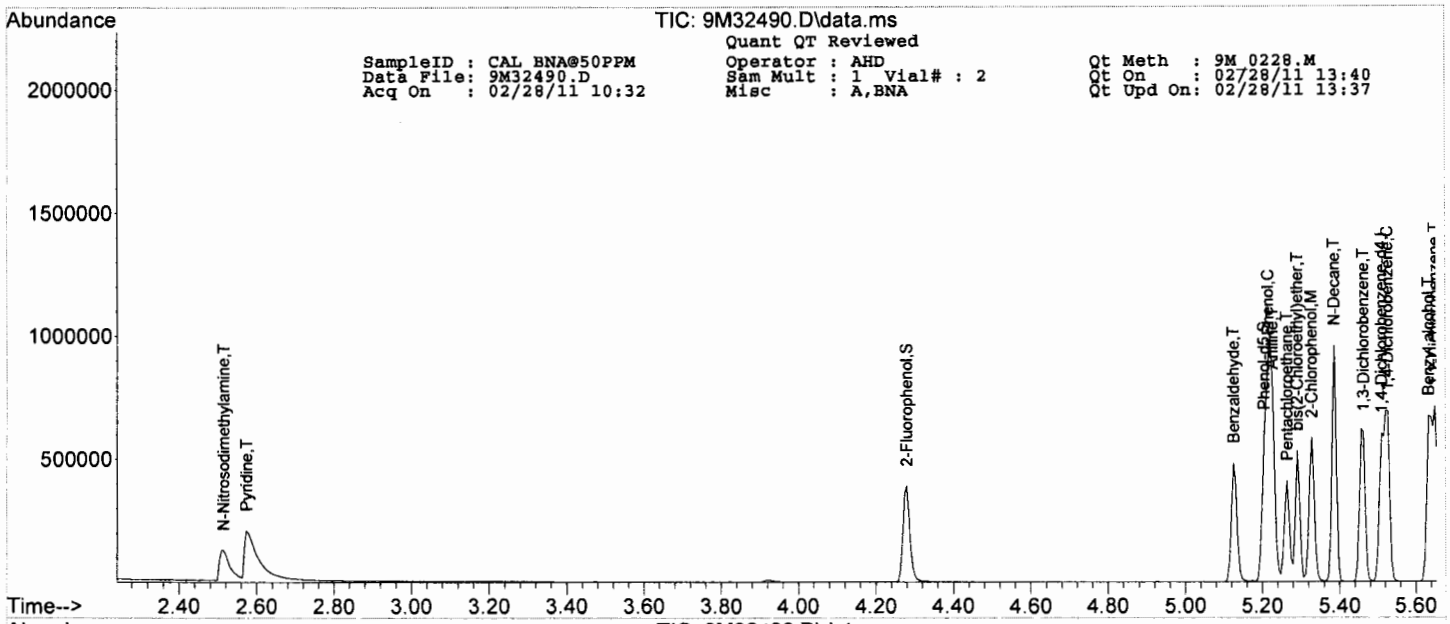
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32490.D Sam Mult : 1 Vial# : 2 Qt On : 02/28/11 13:40
Acq On : 02/28/11 10:32 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.077	165	82665	56.00	ng	72
67)	4-Nitrophenol	8.013	65	60358	58.54	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.200	232	52467	51.63	ng	96
69)	Fluorene	8.409	166	297151	51.10	ng	99
70)	4-Chlorophenyl-phenyle...	8.404	204	118544	49.04	ng	95
71)	Diethylphthalate	8.297	149	291656	51.60	ng	97
72)	4-Nitroaniline	8.425	138	85444	54.21	ng	73
73)	Atrazine	9.040	200	76300	48.97	ng	96
75)	4,6-Dinitro-2-methylph...	8.452	198	35693	69.66	ng	47
76)	n-Nitrosodiphenylamine	8.516	169	254650	51.72	ng	99
78)	1,2-Diphenylhydrazine	8.553	77	332734	53.99	ng	86
79)	4-Bromophenyl-phenylether	8.874	248	55499	48.72	ng	89
80)	Hexachlorobenzene	8.939	284	49093	47.92	ng	89
81)	N-Octadecane	9.227	57	236712	52.24	ng	83
82)	Pentachlorophenol	9.136	266	31935	49.44	ng	97
83)	Phenanthrene	9.361	178	393815	50.60	ng	99
84)	Anthracene	9.415	178	409003	52.00	ng	99
85)	Carbazole	9.586	167	415322	52.33	ng	98
86)	Di-n-butylphthalate	9.976	149	502419	54.06	ng	98
87)	Fluoranthene	10.672	202	413964	52.43	ng	100
89)	Pyrene	10.928	202	424795	50.45	ng	98
90)	Benzidine	10.832	184	173123	58.96	ng	93
92)	p,p'-DDE	11.067	246	67799	47.40	ng	89
93)	p,p'-DDD	11.458	235	137429	47.54	ng	84
94)	Butylbenzylphthalate	11.725	149	227772	53.66	ng	78
95)	p,p'-DDT	11.816	235	105075	57.93	ng	92
96)	3,3'-Dichlorobenzidine	12.330	252	94195	53.55	ng	99
97)	Benzo[a]anthracene	12.346	228	353118	49.90	ng	100
98)	Chrysene	12.388	228	337504	49.91	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.426	149	308897	54.15	ng	93
101)	Di-n-octylphthalate	13.175	149	533519	53.71	ng	99
102)	Benzo[b]fluoranthene	13.560	252	299022	46.99	ng	98
103)	Benzo[k]fluoranthene	13.587	252	330319	54.38	ng	97
104)	Benzo[a]pyrene	13.902	252	298482	51.13	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.127	276	296080	52.54	ng	88
106)	Dibenzo[a,h]anthracene	15.148	278	232094	52.76	ng	96
107)	Benzo[g,h,i]perylene	15.448	276	244080	52.21	ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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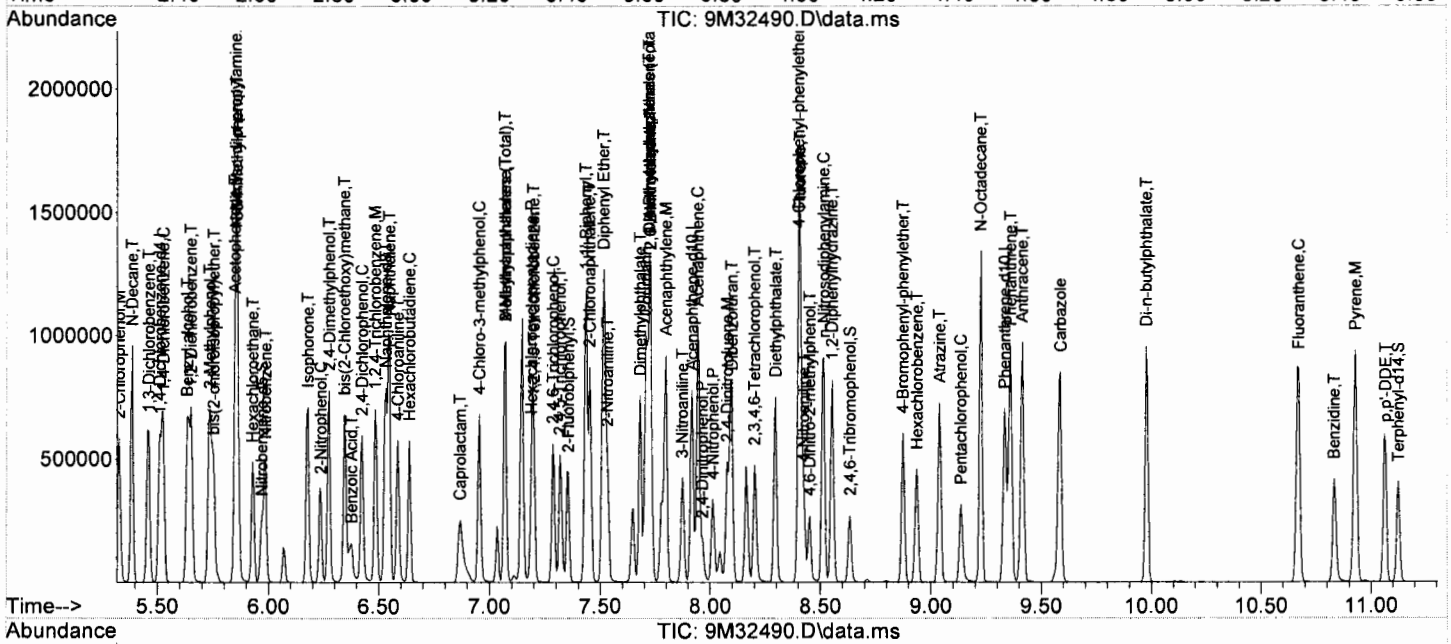
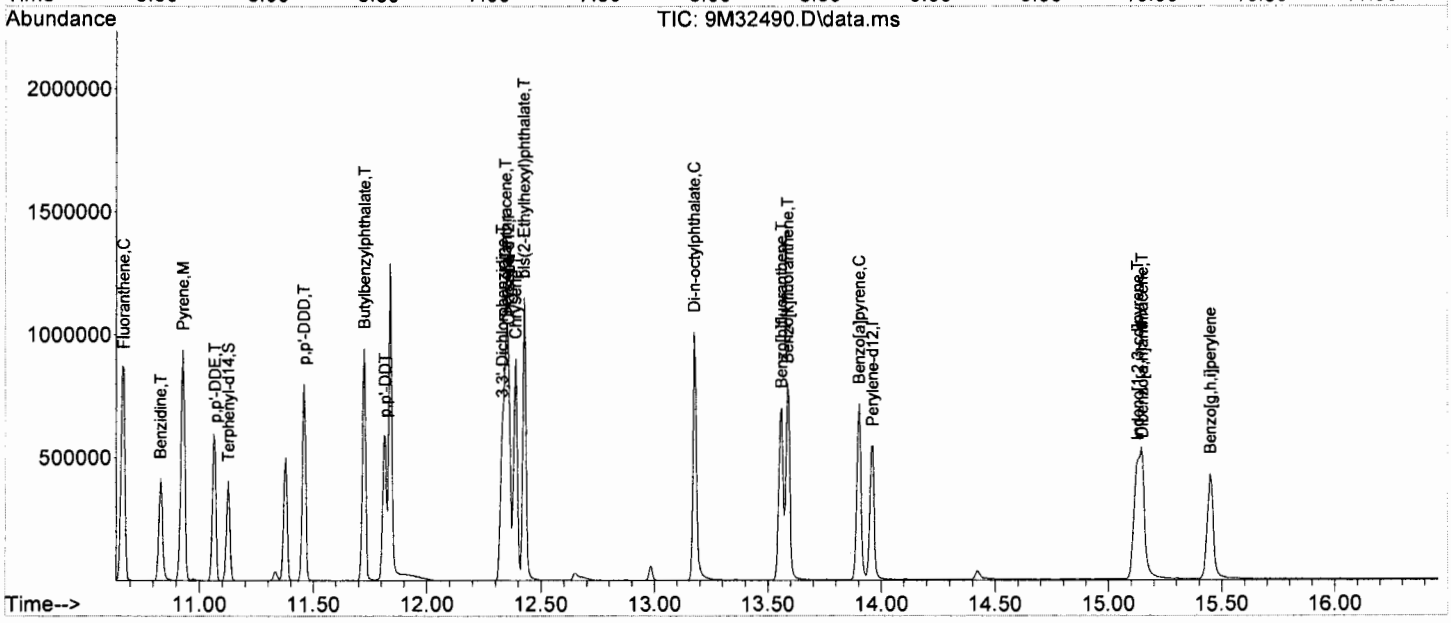
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32490.D
Acq On : 02/28/11 10:32
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:40
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M32490.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,C
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32490.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,C
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32491.D Sam Mult : 1 Vial# : 3 Qt On : 02/28/11 13:39
Acq On : 02/28/11 10:55 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.505	152	89121	40.00	ng	-0.05
29) Naphthalene-d8	6.527	136	365556	40.00	ng	-0.05
47) Acenaphthene-d10	7.906	164	201270	40.00	ng	-0.06
74) Phenanthrene-d10	9.324	188	320165	40.00	ng	-0.07
88) Chrysene-d12	12.346	240	256429	40.00	ng	-0.07
100) Perylene-d12	13.945	264	211399	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.285	112	4486	1.55	ng	-0.04
Spiked Amount 100.000			Recovery = 1.55%			
15) Phenol-d5	5.205	99	7714	1.89	ng	-0.04
Spiked Amount 100.000			Recovery = 1.89%			
30) Nitrobenzene-d5	5.965	128	1282	0.84	ng	-0.05
Spiked Amount 50.000			Recovery = 1.68%			
52) 2-Fluorobiphenyl	7.345	172	6188	0.97	ng	-0.05
Spiked Amount 50.000			Recovery = 1.94%			
77) 2,4,6-Tribromophenol	8.629	330	588	1.48	ng	-0.06
Spiked Amount 100.000			Recovery = 1.48%			
91) Terphenyl-d14	11.116	244	4550	0.88	ng	-0.07
Spiked Amount 50.000			Recovery = 1.76%			
Target Compounds						Qvalue
8) Pyridine	2.676	79	4781	1.47	ng	77
9) N-Nitrosodimethylamine	2.579	74	2875	1.39	ng	88
11) Benzaldehyde	5.125	77	3993	2.25	ng	84
12) Aniline	5.227	93	6709	1.44	ng	32
13) Pentachloroethane	5.259	117	1886	1.89	ng	88
14) bis(2-Chloroethyl)ether	5.291	93	6727	2.07	ng	82
16) Phenol	5.216	94	8082	1.80	ng	98
17) 2-Chlorophenol	5.328	128	5852	1.80	ng	86
18) N-Decane	5.382	57	7530	1.91	ng	86
19) 1,3-Dichlorobenzene	5.457	146	6898	2.05	ng	98
20) 1,4-Dichlorobenzene	5.521	146	7345	2.15	ng	95
21) 1,2-Dichlorobenzene	5.649	146	6773	2.11	ng	95
22) Benzyl alcohol	5.633	108	3836	1.73	ng	76
23) bis(2-chloroisopropyl)...	5.746	45	10367	2.21	ng	92
24) 2-Methylphenol	5.730	108	5854	1.95	ng	96
25) Acetophenone	5.847	105	9215	1.93	ng	61
26) Hexachloroethane	5.927	117	2463	1.97	ng	93
27) N-Nitroso-di-n-propyla...	5.847	70	5104	2.10	ng	78
28) 3&4-Methylphenol	5.858	108	6215	2.01	ng	97
31) Nitrobenzene	5.981	77	6594	1.97	ng	85
32) Isophorone	6.168	82	12653	1.92	ng	89
33) 2-Nitrophenol	6.232	139	2322	1.53	ng	77
34) 2,4-Dimethylphenol	6.270	107	5973	1.88	ng	91
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.339	93	7721	1.95	ng	96
37) 2,4-Dichlorophenol	6.425	162	4124	1.67	ng	90
38) 1,2,4-Trichlorobenzene	6.478	180	5389	2.03	ng	96
39) Naphthalene	6.543	128	20937	2.09	ng	99
40) 4-Chloroaniline	6.585	127	5264	1.69	ng	90
41) Hexachlorobutadiene	6.633	225	2246	1.87	ng	84
42) Caprolactam	6.831	113	1708	1.41	ng	71
43) 4-Chloro-3-methylphenol	6.944	107	5058	1.74	ng	85
44) 2-Methylnaphthalene	7.061	142	12491	1.98	ng	98
45) Methylnaphthalenes (To...	7.061	142	12491	1.98	ng	98
46) 1,1'-Biphenyl	7.425	154	16492	1.99	ng	95
48) 1,2,4,5-Tetrachloroben...	7.190	216	4578	1.91	ng	94
49) Hexachlorocyclopentadiene	7.184	237	883	0.85	ng	81
50) 2,4,6-Trichlorophenol	7.281	196	2557	1.67	ng	98
51) 2,4,5-Trichlorophenol	7.313	196	2608	1.64	ng	91
53) 2-Chloronaphthalene	7.441	162	11615	2.09	ng	94
54) 1,4-Dimethylnaphthalene	7.714	156	8937	1.90	ng	93
55) Dimethylnaphthalenes (...	7.714	156	8937	1.90	ng	93
56) Diphenyl Ether	7.511	170	8983	1.98	ng	79
57) 2-Nitroaniline	7.521	65	3742	1.80	ng	69
58) Coumarin	7.698	146	5119	2.07	ng	74
59) Acenaphthylene	7.783	152	18112	1.93	ng	100
60) Dimethylphthalate	7.666	163	12719	1.95	ng	97
61) 2,6-Dinitrotoluene	7.719	165	1969	1.49	ng	82
62) Acenaphthene	7.933	153	12553	2.10	ng	96
63) 3-Nitroaniline	7.864	138	2521	1.66	ng	71
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.083	168	16708	2.06	ng	89

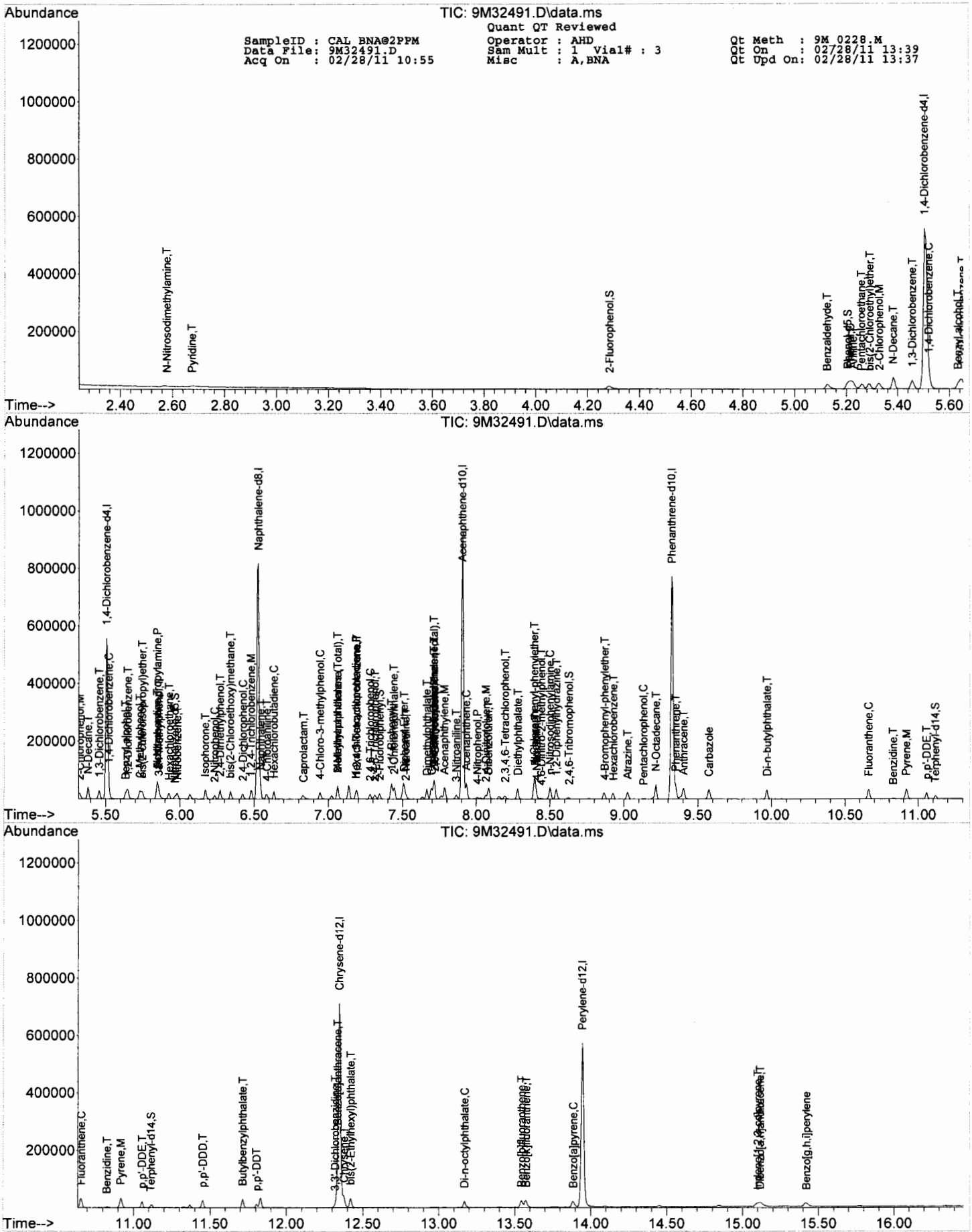
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32491.D Sam Mult : 1 Vial# : 3 Qt On : 02/28/11 13:39
Acq On : 02/28/11 10:55 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.067	165	2457	1.44 ng	73
67) 4-Nitrophenol	8.008	65	1442	1.21 ng	99
68) 2,3,4,6-Tetrachlorophenol	8.195	232	1750	1.49 ng	91
69) Fluorene	8.399	166	13052	1.95 ng	97
70) 4-Chlorophenyl-phenyle...	8.393	204	5307	1.90 ng	95
71) Diethylphthalate	8.281	149	13015	2.00 ng	97
72) 4-Nitroaniline	8.409	138	2722	1.50 ng	83
73) Atrazine	9.024	200	2906	1.62 ng	95
75) 4,6-Dinitro-2-methylph...	8.441	198	370	0.64 ng	29
76) n-Nitrosodiphenylamine	8.500	169	11047	2.00 ng	91
78) 1,2-Diphenylhydrazine	8.543	77	14291	2.07 ng	86
79) 4-Bromophenyl-phenylether	8.869	248	2348	1.84 ng	99
80) Hexachlorobenzene	8.928	284	2219	1.93 ng	88
81) N-Octadecane	9.217	57	8769	1.73 ng	85
82) Pentachlorophenol	9.131	266	304	0.42 ng	85
83) Phenanthrene	9.351	178	18751	2.15 ng	97
84) Anthracene	9.404	178	17539	1.99 ng	97
85) Carbazole	9.575	167	17173	1.93 ng	96
86) Di-n-butylphthalate	9.971	149	17424	1.67 ng	96
87) Fluoranthene	10.661	202	15914	1.80 ng	100
89) Pyrene	10.918	202	16154	1.82 ng	99
90) Benzidine	10.827	184	2368	0.76 ng	90
92) p,p'-DDE	11.057	246	2628	1.74 ng	86
93) p,p'-DDD	11.453	235	4654	1.53 ng	85
94) Butylbenzylphthalate	11.715	149	7063	1.58 ng	78
95) p,p'-DDT	11.806	235	2539	1.33 ng	91
96) 3,3'-Dichlorobenzidine	12.319	252	2829	1.52 ng	97
97) Benzo[a]anthracene	12.335	228	14053	1.88 ng	98
98) Chrysene	12.378	228	14544	2.04 ng	98
99) bis(2-Ethylhexyl)phtha...	12.421	149	8785	1.46 ng	91
101) Di-n-octylphthalate	13.170	149	13101	1.31 ng	100
102) Benzo[b]fluoranthene	13.544	252	11275	1.75 ng	96
103) Benzo[k]fluoranthene	13.576	252	11209	1.83 ng	97
104) Benzo[a]pyrene	13.886	252	9951	1.69 ng	91
105) Indeno[1,2,3-cd]pyrene	15.100	276	9727	1.71 ng	75
106) Dibenzo[a,h]anthracene	15.116	278	7552	1.70 ng	83
107) Benzo[g,h,i]perylene	15.421	276	8733	1.85 ng	90

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


Abundance
TIC: 9M32491.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M32491.D
Acq On : 02/28/11 10:55
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:39
Qt Upd On: 02/28/11 13:37
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,4-Dichlorobenzene-d4,I
1,3-Dichlorobenzene,T
N-Decane,T
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Acenaphthene,C
Diethylphthalate,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32493.D Sam Mult : 1 Vial# : 5 Qt On : 02/28/11 13:39
Acq On : 02/28/11 11:42 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	84339	40.00	ng	-0.05
29) Naphthalene-d8	6.526	136	338102	40.00	ng	-0.05
47) Acenaphthene-d10	7.906	164	180917	40.00	ng	-0.06
74) Phenanthrene-d10	9.324	188	291748	40.00	ng	-0.07
88) Chrysene-d12	12.351	240	244874	40.00	ng	-0.07
100) Perylene-d12	13.945	264	204685	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	25275	9.21	ng	-0.04
Spiked Amount 100.000			Recovery = 9.21%			
15) Phenol-d5	5.200	99	38699	10.03	ng	-0.05
Spiked Amount 100.000			Recovery = 10.03%			
30) Nitrobenzene-d5	5.965	128	6599	4.68	ng	-0.05
Spiked Amount 50.000			Recovery = 9.36%			
52) 2-Fluorobiphenyl	7.345	172	30008	5.23	ng	-0.05
Spiked Amount 50.000			Recovery = 10.46%			
77) 2,4,6-Tribromophenol	8.623	330	3096	8.58	ng	-0.06
Spiked Amount 100.000			Recovery = 8.58%			
91) Terphenyl-d14	11.115	244	23441	4.74	ng	-0.07
Spiked Amount 50.000			Recovery = 9.48%			
Target Compounds						Qvalue
8) Pyridine	2.606	79	32526	10.54	ng	82
9) N-Nitrosodimethylamine	2.526	74	20768	10.59	ng	72
11) Benzaldehyde	5.125	77	22054	13.12	ng	80
12) Aniline	5.221	93	37133	8.45	ng	34
13) Pentachloroethane	5.259	117	9415	9.95	ng	90
14) bis(2-Chloroethyl)ether	5.285	93	34534	11.22	ng	87
16) Phenol	5.216	94	43925	10.34	ng	94
17) 2-Chlorophenol	5.323	128	31964	10.39	ng	84
18) N-Decane	5.382	57	37801	10.15	ng	84
19) 1,3-Dichlorobenzene	5.457	146	33622	10.55	ng	98
20) 1,4-Dichlorobenzene	5.521	146	34594	10.71	ng	97
21) 1,2-Dichlorobenzene	5.649	146	32538	10.72	ng	96
22) Benzyl alcohol	5.633	108	21036	10.00	ng	73
23) bis(2-chloroisopropyl)...	5.745	45	51369	11.59	ng	95
24) 2-Methylphenol	5.729	108	30178	10.60	ng	98
25) Acetophenone	5.847	105	46616	10.33	ng	64
26) Hexachloroethane	5.927	117	12793	10.83	ng	96
27) N-Nitroso-di-n-propyla...	5.847	70	25528	11.10	ng	75
28) 3&4-Methylphenol	5.852	108	31861	10.90	ng	97
31) Nitrobenzene	5.981	77	32909	10.65	ng	79
32) Isophorone	6.168	82	64079	10.50	ng	88
33) 2-Nitrophenol	6.232	139	13448	9.56	ng	89
34) 2,4-Dimethylphenol	6.270	107	30636	10.44	ng	90
35) Benzoic Acid	6.334	105	7391m	3.70	ng	
36) bis(2-Chloroethoxy)met...	6.339	93	39193	10.73	ng	96
37) 2,4-Dichlorophenol	6.419	162	21684	9.48	ng	91
38) 1,2,4-Trichlorobenzene	6.484	180	25206	10.29	ng	99
39) Naphthalene	6.542	128	99641	10.75	ng	99
40) 4-Chloroaniline	6.580	127	27023	9.37	ng	98
41) Hexachlorobutadiene	6.633	225	11083	9.98	ng	96
42) Caprolactam	6.831	113	10462	9.35	ng	68
43) 4-Chloro-3-methylphenol	6.944	107	26319	9.78	ng	86
44) 2-Methylnaphthalene	7.061	142	61434	10.55	ng	100
45) Methylnaphthalenes (To...	7.061	142	61434	10.55	ng	100
46) 1,1'-Biphenyl	7.425	154	82150	10.70	ng	95
48) 1,2,4,5-Tetrachloroben...	7.190	216	20841	9.65	ng	100
49) Hexachlorocyclopentadiene	7.184	237	6347	6.81	ng	99
50) 2,4,6-Trichlorophenol	7.280	196	13364	9.70	ng	99
51) 2,4,5-Trichlorophenol	7.307	196	13713	9.59	ng	100
53) 2-Chloronaphthalene	7.441	162	54156	10.84	ng	97
54) 1,4-Dimethylnaphthalene	7.714	156	42964	10.18	ng	91
55) Dimethylnaphthalenes (...	7.714	156	42964	10.18	ng	91
56) Diphenyl Ether	7.510	170	41124	10.10	ng	82
57) 2-Nitroaniline	7.521	65	20113	10.79	ng	65
58) Coumarin	7.698	146	24999	11.24	ng	76
59) Acenaphthylene	7.783	152	90837	10.78	ng	99
60) Dimethylphthalate	7.666	163	60831	10.37	ng	98
61) 2,6-Dinitrotoluene	7.719	165	12630	10.62	ng	69
62) Acenaphthene	7.933	153	57942	10.77	ng	96
63) 3-Nitroaniline	7.863	138	14226	10.41	ng	72
64) 2,4-Dinitrophenol	7.954	184	2204	5.48	ng	65
65) Dibenzofuran	8.083	168	77550	10.63	ng	90

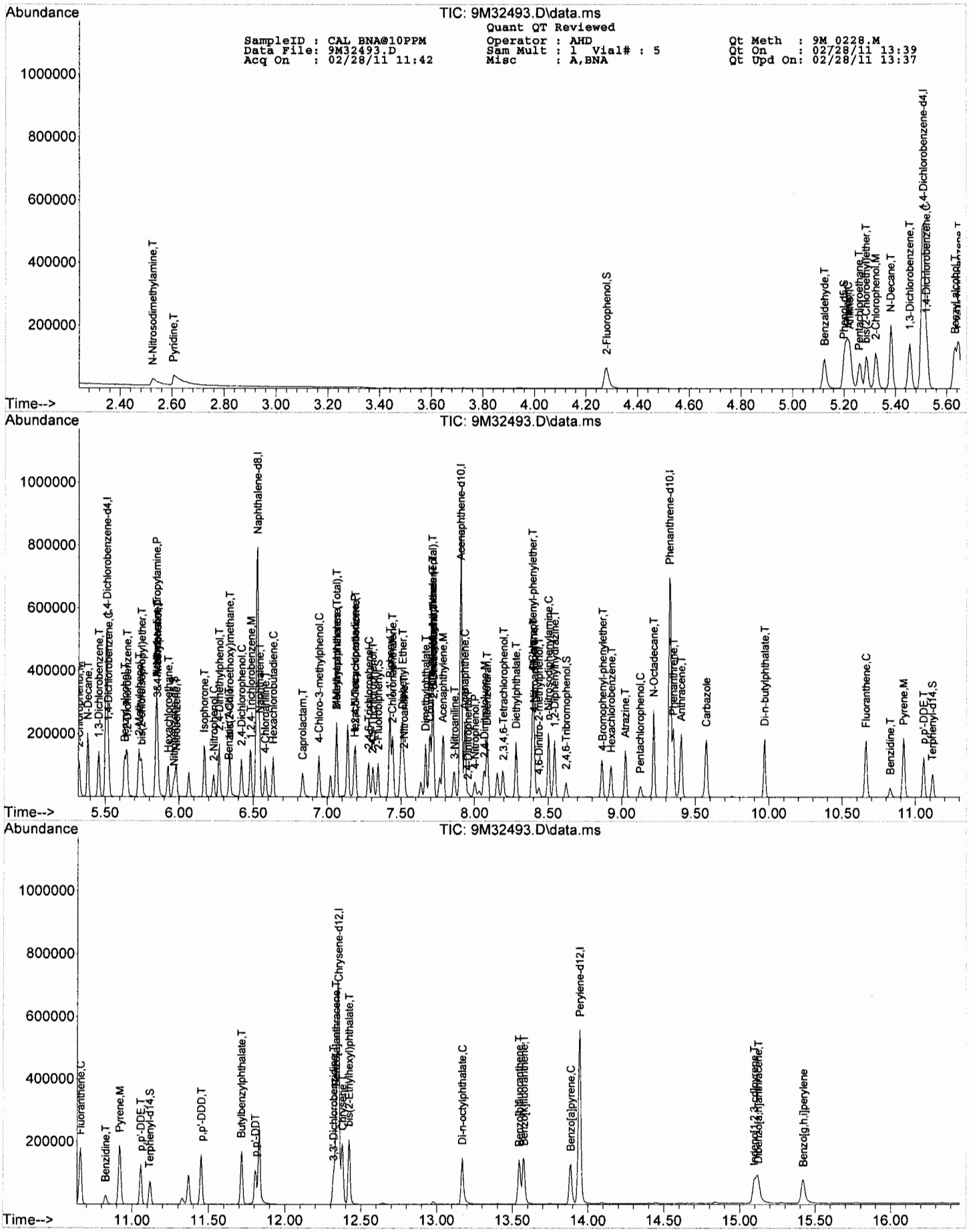
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32493.D Sam Mult : 1 Vial# : 5 Qt On : 02/28/11 13:39
Acq On : 02/28/11 11:42 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	14770	9.66	ng	74
67)	4-Nitrophenol	8.003	65	10161	9.51	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.195	232	10376	9.85	ng	97
69)	Fluorene	8.398	166	64256	10.67	ng	99
70)	4-Chlorophenyl-phenyle...	8.393	204	25733	10.28	ng	96
71)	Diethylphthalate	8.281	149	61059	10.43	ng	99
72)	4-Nitroaniline	8.404	138	16024	9.81	ng	77
73)	Atrazine	9.024	200	15136	9.38	ng	97
75)	4,6-Dinitro-2-methylph...	8.436	198	4218	8.06	ng	36
76)	n-Nitrosodiphenylamine	8.500	169	53063	10.55	ng	97
78)	1,2-Diphenylhydrazine	8.543	77	72031	11.44	ng	84
79)	4-Bromophenyl-phenylether	8.869	248	10911	9.37	ng	95
80)	Hexachlorobenzene	8.928	284	10211	9.75	ng	92
81)	N-Octadecane	9.217	57	47789	10.32	ng	83
82)	Pentachlorophenol	9.126	266	4129	6.26	ng	94
83)	Phenanthrene	9.350	178	86468	10.87	ng	99
84)	Anthracene	9.404	178	86654	10.78	ng	99
85)	Carbazole	9.575	167	86100	10.62	ng	97
86)	Di-n-butylphthalate	9.971	149	96108	10.12	ng	97
87)	Fluoranthene	10.661	202	81281	10.07	ng	95
89)	Pyrene	10.918	202	86749	10.22	ng	99
90)	Benzidine	10.827	184	15120	5.11	ng	93
92)	p,p'-DDE	11.057	246	13891	9.64	ng	88
93)	p,p'-DDD	11.452	235	26073	8.95	ng	82
94)	Butylbenzylphthalate	11.714	149	41910	9.80	ng	83
95)	p,p'-DDT	11.805	235	17680	9.67	ng	86
96)	3,3'-Dichlorobenzidine	12.319	252	17401	9.82	ng	96
97)	Benzo[a]anthracene	12.335	228	70308	9.86	ng	98
98)	Chrysene	12.378	228	71402	10.48	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.421	149	56831	9.89	ng	94
101)	Di-n-octylphthalate	13.169	149	86703	8.93	ng	100
102)	Benzo[b]fluoranthene	13.544	252	58161	9.35	ng	94
103)	Benzo[k]fluoranthene	13.576	252	61535	10.36	ng	98
104)	Benzo[a]pyrene	13.886	252	54259	9.51	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.095	276	53759	9.76	ng	85
106)	Dibenzo[a,h]anthracene	15.122	278	42473	9.88	ng	96
107)	Benzo[g,h,i]perylene	15.421	276	45424	9.94	ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M32493.D
Acq On : 02/28/11 11:42
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:39
Qt Upd On: 02/28/11 13:37
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32494.D Sam Mult : 1 Vial# : 6 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:05 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	91454	40.00	ng	-0.05
29) Naphthalene-d8	6.526	136	363438	40.00	ng	-0.05
47) Acenaphthene-d10	7.906	164	194166	40.00	ng	-0.06
74) Phenanthrene-d10	9.329	188	314185	40.00	ng	-0.06
88) Chrysene-d12	12.351	240	252099	40.00	ng	-0.07
100) Perylene-d12	13.945	264	208040	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	54079	18.17	ng	-0.05
Spiked Amount 100.000			Recovery = 18.17%			
15) Phenol-d5	5.200	99	79048	18.89	ng	-0.05
Spiked Amount 100.000			Recovery = 18.89%			
30) Nitrobenzene-d5	5.965	128	13942	9.19	ng	-0.05
Spiked Amount 50.000			Recovery = 18.38%			
52) 2-Fluorobiphenyl	7.345	172	59808	9.71	ng	-0.05
Spiked Amount 50.000			Recovery = 19.42%			
77) 2,4,6-Tribromophenol	8.623	330	6852	17.63	ng	-0.06
Spiked Amount 100.000			Recovery = 17.63%			
91) Terphenyl-d14	11.121	244	47180	9.27	ng	-0.07
Spiked Amount 50.000			Recovery = 18.54%			
Target Compounds						Qvalue
8) Pyridine	2.590	79	67590	20.20	ng	81
9) N-Nitrosodimethylamine	2.515	74	39971	18.79	ng	73
11) Benzaldehyde	5.125	77	43760	24.00	ng	74
12) Aniline	5.221	93	91705	19.23	ng	39
13) Pentachloroethane	5.259	117	18913	18.43	ng	94
14) bis(2-Chloroethyl)ether	5.286	93	64977	19.46	ng	86
16) Phenol	5.216	94	89022	19.32	ng	88
17) 2-Chlorophenol	5.323	128	63684	19.09	ng	87
18) N-Decane	5.382	57	73288	18.15	ng	88
19) 1,3-Dichlorobenzene	5.457	146	66122	19.14	ng	99
20) 1,4-Dichlorobenzene	5.521	146	66695	19.05	ng	97
21) 1,2-Dichlorobenzene	5.649	146	64409	19.57	ng	99
22) Benzyl alcohol	5.633	108	42970	18.84	ng	70
23) bis(2-chloroisopropyl)...	5.746	45	100383	20.88	ng	93
24) 2-Methylphenol	5.729	108	60268	19.53	ng	97
25) Acetophenone	5.847	105	89436	18.27	ng	68
26) Hexachloroethane	5.927	117	24959	19.49	ng	98
27) N-Nitroso-di-n-propyla...	5.847	70	49970	20.03	ng	73
28) 3&4-Methylphenol	5.853	108	63509	20.03	ng	93
31) Nitrobenzene	5.981	77	63437	19.10	ng	79
32) Isophorone	6.173	82	125466	19.12	ng	84
33) 2-Nitrophenol	6.232	139	28416	18.79	ng	89
34) 2,4-Dimethylphenol	6.270	107	61917	19.63	ng	92
35) Benzoic Acid	6.345	105	23027	10.73	ng	88
36) bis(2-Chloroethoxy)met...	6.339	93	77610	19.76	ng	96
37) 2,4-Dichlorophenol	6.419	162	45359	18.45	ng	92
38) 1,2,4-Trichlorobenzene	6.484	180	47697	18.11	ng	97
39) Naphthalene	6.542	128	189034	18.97	ng	99
40) 4-Chloroaniline	6.580	127	63883	20.60	ng	99
41) Hexachlorobutadiene	6.633	225	21607	18.09	ng	95
42) Caprolactam	6.842	113	22248	18.49	ng	68
43) 4-Chloro-3-methylphenol	6.944	107	53670	18.55	ng	90
44) 2-Methylnaphthalene	7.061	142	118882	18.99	ng	99
45) Methylnaphthalenes (To...	7.061	142	118882	18.99	ng	99
46) 1,1'-Biphenyl	7.425	154	157862	19.12	ng	97
48) 1,2,4,5-Tetrachloroben...	7.190	216	40489	17.47	ng	98
49) Hexachlorocyclopentadiene	7.184	237	14869	14.85	ng	99
50) 2,4,6-Trichlorophenol	7.281	196	26376	17.84	ng	97
51) 2,4,5-Trichlorophenol	7.313	196	27639	18.02	ng	98
53) 2-Chloronaphthalene	7.446	162	103867	19.37	ng	94
54) 1,4-Dimethylnaphthalene	7.714	156	82313	18.18	ng	92
55) Dimethylnaphthalenes (...	7.714	156	82313	18.18	ng	92
56) Diphenyl Ether	7.511	170	79108	18.11	ng	81
57) 2-Nitroaniline	7.521	65	41255	20.63	ng	70
58) Coumarin	7.698	146	47899	20.06	ng	78
59) Acenaphthylene	7.789	152	175520	19.41	ng	99
60) Dimethylphthalate	7.671	163	118026	18.74	ng	98
61) 2,6-Dinitrotoluene	7.719	165	25232	19.76	ng	72
62) Acenaphthene	7.933	153	111225	19.27	ng	95
63) 3-Nitroaniline	7.864	138	29093	19.84	ng	66
64) 2,4-Dinitrophenol	7.955	184	5763	13.35	ng	88
65) Dibenzofuran	8.083	168	150472	19.21	ng	89

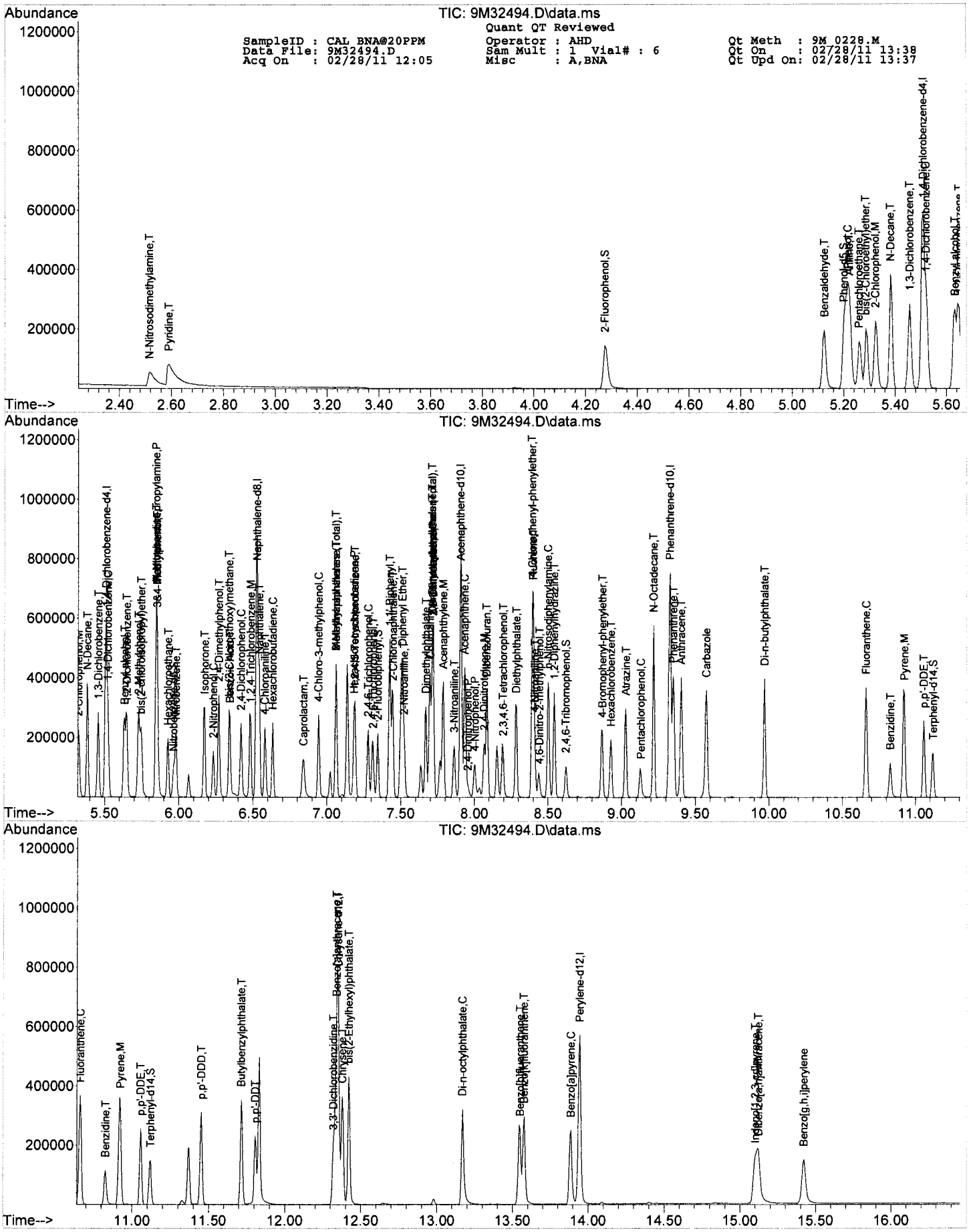
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32494.D Sam Mult : 1 Vial# : 6 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:05 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	31217	19.02	ng	69
67)	4-Nitrophenol	8.003	65	22411	19.55	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.195	232	20448	18.10	ng	96
69)	Fluorene	8.398	166	123982	19.18	ng	99
70)	4-Chlorophenyl-phenyle...	8.393	204	49689	18.49	ng	99
71)	Diethylphthalate	8.286	149	121228	19.29	ng	98
72)	4-Nitroaniline	8.409	138	33622	19.19	ng	74
73)	Atrazine	9.030	200	30055	17.35	ng	96
75)	4,6-Dinitro-2-methylph...	8.441	198	11152	19.78	ng	51
76)	n-Nitrosodiphenylamine	8.500	169	105010	19.38	ng	98
78)	1,2-Diphenylhydrazine	8.543	77	140166	20.67	ng	86
79)	4-Bromophenyl-phenylether	8.869	248	22587	18.02	ng	99
80)	Hexachlorobenzene	8.928	284	19962	17.71	ng	95
81)	N-Octadecane	9.217	57	97364	19.52	ng	86
82)	Pentachlorophenol	9.131	266	10143	14.27	ng	90
83)	Phenanthrene	9.351	178	164978	19.26	ng	99
84)	Anthracene	9.404	178	168126	19.42	ng	99
85)	Carbazole	9.575	167	168253	19.26	ng	98
86)	Di-n-butylphthalate	9.971	149	198301	19.39	ng	97
87)	Fluoranthene	10.661	202	162128	18.66	ng	98
89)	Pyrene	10.923	202	169382	19.39	ng	97
90)	Benzidine	10.827	184	51583	16.93	ng	93
92)	p,p'-DDE	11.057	246	27027	18.21	ng	88
93)	p,p'-DDD	11.453	235	52774	17.59	ng	83
94)	Butylbenzylphthalate	11.715	149	85566	19.43	ng	83
95)	p,p'-DDT	11.806	235	37455	19.90	ng	87
96)	3,3'-Dichlorobenzidine	12.319	252	36613	20.06	ng	97
97)	Benzo[a]anthracene	12.340	228	137180	18.68	ng	100
98)	Chrysene	12.378	228	131562	18.75	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.421	149	115679	19.55	ng	91
101)	Di-n-octylphthalate	13.169	149	181347	18.37	ng	99
102)	Benzo[b]fluoranthene	13.549	252	109428	17.31	ng	97
103)	Benzo[k]fluoranthene	13.576	252	119848	19.86	ng	97
104)	Benzo[a]pyrene	13.886	252	104249	17.97	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.100	276	103247	18.44	ng	91
106)	Dibenzo[a,h]anthracene	15.122	278	81305	18.60	ng	93
107)	Benzo[g,h,i]perylene	15.421	276	86224	18.56	ng	89

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


Abundance
TIC: 9M32494.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M32494.D
Acq On : 02/28/11 12:05
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02728/11 13:38
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M32494.D\data.ms
N-Decane,T
1,3-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Diphenyl Ether,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
Acenaphthene-d10,I
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32494.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Butylbenzylphthalate,T
p,p'-DDD,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32495.D Sam Mult : 1 Vial# : 7 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:29 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	87286	40.00	ng	-0.05
29) Naphthalene-d8	6.526	136	339127	40.00	ng	-0.05
47) Acenaphthene-d10	7.912	164	183034	40.00	ng	-0.06
74) Phenanthrene-d10	9.329	188	299035	40.00	ng	-0.06
88) Chrysene-d12	12.357	240	243189	40.00	ng	-0.06
100) Perylene-d12	13.950	264	206143	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	254289	89.53	ng	-0.05
Spiked Amount 100.000			Recovery = 89.53%			
15) Phenol-d5	5.205	99	352257	88.20	ng	-0.04
Spiked Amount 100.000			Recovery = 88.20%			
30) Nitrobenzene-d5	5.970	128	62723	44.32	ng	-0.05
Spiked Amount 50.000			Recovery = 88.64%			
52) 2-Fluorobiphenyl	7.345	172	248147	42.74	ng	-0.05
Spiked Amount 50.000			Recovery = 85.48%			
77) 2,4,6-Tribromophenol	8.629	330	32804	88.68	ng	-0.06
Spiked Amount 100.000			Recovery = 88.68%			
91) Terphenyl-d14	11.121	244	210622	42.88	ng	-0.07
Spiked Amount 50.000			Recovery = 85.76%			
Target Compounds						Qvalue
8) Pyridine	2.563	79	311480	97.52	ng	79
9) N-Nitrosodimethylamine	2.510	74	188396	92.80	ng	76
11) Benzaldehyde	5.125	77	162383	93.32	ng	80
12) Aniline	5.227	93	427259	93.89	ng	39
13) Pentachloroethane	5.264	117	80304	81.97	ng	92
14) bis(2-Chloroethyl)ether	5.291	93	276315	86.71	ng	85
16) Phenol	5.221	94	388607	88.36	ng	79
17) 2-Chlorophenol	5.328	128	273358	85.85	ng	86
18) N-Decane	5.387	57	311046	80.69	ng	87
19) 1,3-Dichlorobenzene	5.457	146	276015	83.69	ng	99
20) 1,4-Dichlorobenzene	5.526	146	280311	83.87	ng	99
21) 1,2-Dichlorobenzene	5.649	146	261922	83.39	ng	99
22) Benzyl alcohol	5.633	108	187878	86.32	ng	74
23) bis(2-chloroisopropyl)...	5.751	45	408210	88.96	ng	94
24) 2-Methylphenol	5.735	108	253121	85.93	ng	100
25) Acetophenone	5.853	105	371133	79.45	ng	67
26) Hexachloroethane	5.927	117	106525	87.15	ng	99
27) N-Nitroso-di-n-propyla...	5.858	70	205805	86.44	ng	72
28) 3&4-Methylphenol	5.863	108	258956	85.59	ng	99
31) Nitrobenzene	5.986	77	278747	89.95	ng	79
32) Isophorone	6.179	82	534576	87.30	ng	86
33) 2-Nitrophenol	6.232	139	132190	93.68	ng	89
34) 2,4-Dimethylphenol	6.275	107	262949	89.35	ng	92
35) Benzoic Acid	6.398	105	180330	90.02	ng	87
36) bis(2-Chloroethoxy)met...	6.345	93	322385	87.97	ng	96
37) 2,4-Dichlorophenol	6.425	162	194380	84.74	ng	91
38) 1,2,4-Trichlorobenzene	6.484	180	202622	82.47	ng	98
39) Naphthalene	6.543	128	781327	84.05	ng	99
40) 4-Chloroaniline	6.585	127	278819	96.37	ng	100
41) Hexachlorobutadiene	6.633	225	90538	81.25	ng	94
42) Caprolactam	6.880	113	97180	86.55	ng	68
43) 4-Chloro-3-methylphenol	6.949	107	238673	88.43	ng	89
44) 2-Methylnaphthalene	7.067	142	495670	84.87	ng	100
45) Methylnaphthalenes (To...	7.067	142	495670	84.87	ng	100
46) 1,1'-Biphenyl	7.430	154	652411	84.70	ng	96
48) 1,2,4,5-Tetrachloroben...	7.195	216	170377	77.97	ng	99
49) Hexachlorocyclopentadiene	7.184	237	84014	89.04	ng	99
50) 2,4,6-Trichlorophenol	7.281	196	119463	85.72	ng	98
51) 2,4,5-Trichlorophenol	7.318	196	128811	89.08	ng	98
53) 2-Chloronaphthalene	7.446	162	428742	84.83	ng	97
54) 1,4-Dimethylnaphthalene	7.719	156	331907	77.75	ng	93
55) Dimethylnaphthalenes (...	7.719	156	331907	77.75	ng	93
56) Diphenyl Ether	7.511	170	324270	78.73	ng	84
57) 2-Nitroaniline	7.527	65	179986	95.46	ng	67
58) Coumarin	7.709	146	199893	88.80	ng	77
59) Acenaphthylene	7.794	152	738431	86.63	ng	100
60) Dimethylphthalate	7.682	163	504554	84.98	ng	98
61) 2,6-Dinitrotoluene	7.730	165	108511	90.15	ng	64
62) Acenaphthene	7.939	153	465403	85.54	ng	95
63) 3-Nitroaniline	7.874	138	125860	91.06	ng	70
64) 2,4-Dinitrophenol	7.960	184	48150	118.34	ng	89
65) Dibenzofuran	8.094	168	628050	85.08	ng	87

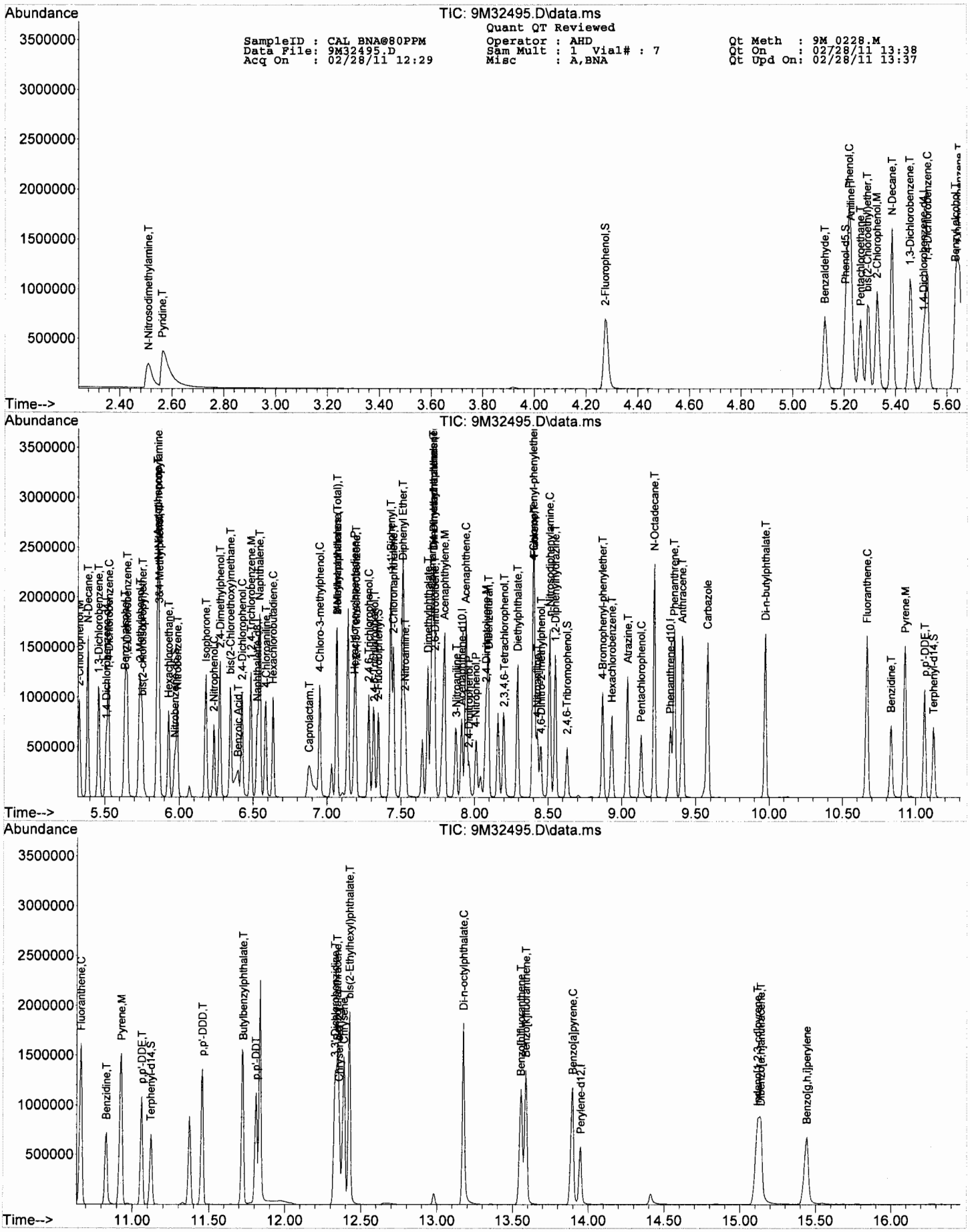
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32495.D Sam Mult : 1 Vial# : 7 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:29 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.078	165	151043	97.63 ng	71
67)	4-Nitrophenol	8.008	65	111556	103.22 ng	97
68)	2,3,4,6-Tetrachlorophenol	8.201	232	93379	87.66 ng	97
69)	Fluorene	8.404	166	519662	85.27 ng	99
70)	4-Chlorophenyl-phenyle...	8.399	204	209585	82.72 ng	95
71)	Diethylphthalate	8.292	149	515332	86.99 ng	97
72)	4-Nitroaniline	8.425	138	154166	93.32 ng	74
73)	Atrazine	9.040	200	134816	82.56 ng	95
75)	4,6-Dinitro-2-methylph...	8.452	198	70328	131.05 ng	48
76)	n-Nitrosodiphenylamine	8.511	169	450008	87.26 ng	99
78)	1,2-Diphenylhydrazine	8.548	77	591700	91.67 ng	87
79)	4-Bromophenyl-phenylether	8.869	248	100148	83.93 ng	91
80)	Hexachlorobenzene	8.933	284	87095	81.17 ng	94
81)	N-Octadecane	9.222	57	426865	89.93 ng	83
82)	Pentachlorophenol	9.131	266	60258	89.07 ng	96
83)	Phenanthrene	9.356	178	692592	84.96 ng	99
84)	Anthracene	9.409	178	716761	87.01 ng	100
85)	Carbazole	9.581	167	730947	87.93 ng	98
86)	Di-n-butylphthalate	9.976	149	896538	92.10 ng	97
87)	Fluoranthene	10.666	202	731963	88.52 ng	98
89)	Pyrene	10.928	202	736909	87.45 ng	98
90)	Benzidine	10.832	184	307735	104.72 ng	90
92)	p,p'-DDE	11.062	246	117475	82.06 ng	90
93)	p,p'-DDD	11.458	235	242146	83.69 ng	84
94)	Butylbenzylphthalate	11.725	149	403455	94.97 ng	77
95)	p,p'-DDT	11.811	235	191073	105.25 ng	92
96)	3,3'-Dichlorobenzidine	12.330	252	177508	100.82 ng	99
97)	Benzo[a]anthracene	12.346	228	608995	85.98 ng	99
98)	Chrysene	12.389	228	570801	84.34 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.426	149	539877	94.56 ng	91
101)	Di-n-octylphthalate	13.175	149	935432	95.64 ng	100
102)	Benzo[b]fluoranthene	13.555	252	533880	85.21 ng	96
103)	Benzo[k]fluoranthene	13.587	252	528562	88.39 ng	97
104)	Benzo[a]pyrene	13.897	252	509224	88.60 ng	98
105)	Indeno[1,2,3-cd]pyrene	15.116	276	500002	90.12 ng	65
106)	Dibenzo[a,h]anthracene	15.138	278	391278	90.35 ng	94
107)	Benzo[g,h,i]perylene	15.443	276	409319	88.93 ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M32495.D
Acq On : 02/28/11 12:29
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02728/11 13:38
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32495.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Acenaphthylene,M
Acenaphthene,C
Diphenyl Ether,T
2-Nitroaniline,T
2,6-Dinitrotoluene,T
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32495.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32496.D Sam Mult : 1 Vial# : 8 Qt On : 02/28/11 13:37
Acq On : 02/28/11 12:52 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	88544	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	353639	40.00	ng	-0.05
47) Acenaphthene-d10	7.912	164	192144	40.00	ng	-0.06
74) Phenanthrene-d10	9.334	188	314416	40.00	ng	-0.06
88) Chrysene-d12	12.362	240	239648	40.00	ng	-0.06
100) Perylene-d12	13.950	264	200196	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	388058	134.68	ng	-0.04
Spiked Amount 100.000			Recovery = 134.68%			
15) Phenol-d5	5.211	99	524236	129.40	ng	-0.04
Spiked Amount 100.000			Recovery = 129.40%			
30) Nitrobenzene-d5	5.970	128	96215	65.20	ng	-0.05
Spiked Amount 50.000			Recovery = 130.40%			
52) 2-Fluorobiphenyl	7.350	172	375784	61.65	ng	-0.05
Spiked Amount 50.000			Recovery = 123.30%			
77) 2,4,6-Tribromophenol	8.634	330	51269	131.82	ng	-0.05
Spiked Amount 100.000			Recovery = 131.82%			
91) Terphenyl-d14	11.126	244	313865	64.85	ng	-0.06
Spiked Amount 50.000			Recovery = 129.70%			
Target Compounds						Qvalue
8) Pyridine	2.558	79	466393	143.95	ng	80
9) N-Nitrosodimethylamine	2.510	74	282515	137.18	ng	78
11) Benzaldehyde	5.125	77	215492	122.08	ng	81
12) Aniline	5.227	93	634523	137.46	ng	40
13) Pentachloroethane	5.264	117	121904	122.67	ng	92
14) bis(2-Chloroethyl)ether	5.296	93	408438	126.35	ng	84
16) Phenol	5.227	94	574189	128.70	ng	75
17) 2-Chlorophenol	5.334	128	410153	126.99	ng	84
18) N-Decane	5.387	57	449802	115.03	ng	88
19) 1,3-Dichlorobenzene	5.462	146	413340	123.55	ng	97
20) 1,4-Dichlorobenzene	5.526	146	417522	123.14	ng	98
21) 1,2-Dichlorobenzene	5.649	146	389347	122.20	ng	98
22) Benzyl alcohol	5.639	108	281102	127.32	ng	74
23) bis(2-chloroisopropyl)...	5.751	45	597360	128.33	ng	94
24) 2-Methylphenol	5.735	108	381861	127.80	ng	98
25) Acetophenone	5.853	105	546029	115.24	ng	66
26) Hexachloroethane	5.927	117	158971	128.20	ng	99
27) N-Nitroso-di-n-propyla...	5.863	70	302384	125.20	ng	70
28) 3&4-Methylphenol	5.869	108	381637	124.34	ng	99
31) Nitrobenzene	5.986	77	423161	130.95	ng	83
32) Isophorone	6.184	82	807753	126.50	ng	85
33) 2-Nitrophenol	6.238	139	204993	139.31	ng	89
34) 2,4-Dimethylphenol	6.280	107	397377	129.48	ng	92
35) Benzoic Acid	6.419	105	309071	147.96	ng	88
36) bis(2-Chloroethoxy)met...	6.350	93	475347	124.39	ng	95
37) 2,4-Dichlorophenol	6.430	162	297608	124.42	ng	90
38) 1,2,4-Trichlorobenzene	6.484	180	307176	119.89	ng	99
39) Naphthalene	6.548	128	1166475	120.33	ng	99
40) 4-Chloroaniline	6.585	127	384019	127.28	ng	100
41) Hexachlorobutadiene	6.639	225	139101	119.71	ng	97
42) Caprolactam	6.901	113	126037	107.65	ng	72
43) 4-Chloro-3-methylphenol	6.954	107	362280	128.71	ng	88
44) 2-Methylnaphthalene	7.067	142	743940	122.16	ng	100
45) Methylnaphthalenes (To...	7.067	142	743940	122.16	ng	100
46) 1,1'-Biphenyl	7.430	154	972223	121.05	ng	96
48) 1,2,4,5-Tetrachloroben...	7.195	216	260604	113.60	ng	99
49) Hexachlorocyclopentadiene	7.184	237	136501	137.81	ng	98
50) 2,4,6-Trichlorophenol	7.286	196	188060	128.54	ng	99
51) 2,4,5-Trichlorophenol	7.318	196	197265	129.95	ng	98
53) 2-Chloronaphthalene	7.452	162	644494	121.48	ng	96
54) 1,4-Dimethylnaphthalene	7.725	156	500384	111.66	ng	92
55) Dimethylnaphthalenes (...	7.725	156	500384	111.66	ng	92
56) Diphenyl Ether	7.516	170	484948	112.16	ng	81
57) 2-Nitroaniline	7.532	65	271014	136.92	ng	63
58) Coumarin	7.719	146	297052	125.70	ng	78
59) Acenaphthylene	7.799	152	1105803	123.57	ng	99
60) Dimethylphthalate	7.687	163	768842	123.35	ng	98
61) 2,6-Dinitrotoluene	7.735	165	167846	132.84	ng	62
62) Acenaphthene	7.944	153	704801	123.40	ng	97
63) 3-Nitroaniline	7.880	138	180276	124.25	ng	70
64) 2,4-Dinitrophenol	7.965	184	84733	198.37	ng	85
65) Dibenzofuran	8.094	168	934122	120.54	ng	89

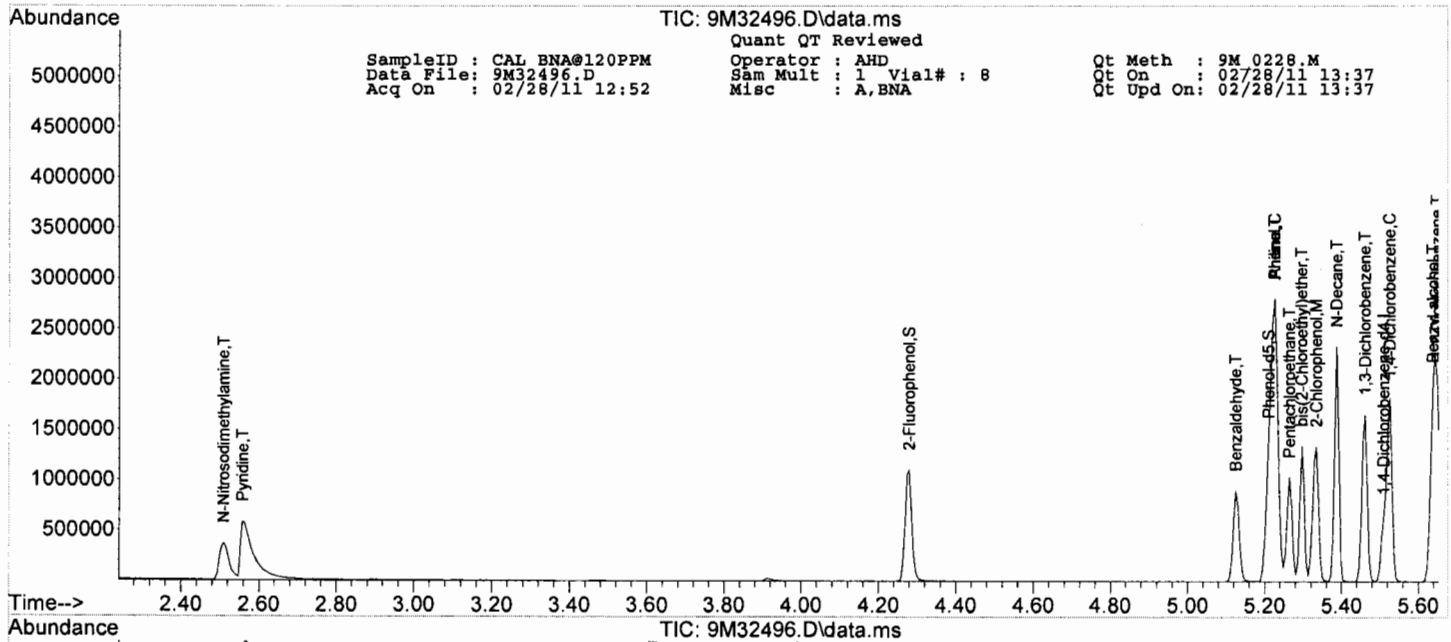
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32496.D Sam Mult : 1 Vial# : 8 Qt On : 02/28/11 13:37
Acq On : 02/28/11 12:52 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.083	165	232621	143.23 ng	76
67)	4-Nitrophenol	8.019	65	172360	151.91 ng	99
68)	2,3,4,6-Tetrachlorophenol	8.201	232	143244	128.10 ng	96
69)	Fluorene	8.404	166	782342	122.28 ng	98
70)	4-Chlorophenyl-phenyle...	8.398	204	319842	120.25 ng	96
71)	Diethylphthalate	8.297	149	779402	125.33 ng	97
72)	4-Nitroaniline	8.436	138	231558	133.52 ng	75
73)	Atrazine	9.046	200	205970	120.15 ng	96
75)	4,6-Dinitro-2-methylph...	8.457	198	114759	203.38 ng	47
76)	n-Nitrosodiphenylamine	8.516	169	678992	125.22 ng	99
78)	1,2-Diphenylhydrazine	8.554	77	883034	130.11 ng	84
79)	4-Bromophenyl-phenylether	8.874	248	154454	123.11 ng	98
80)	Hexachlorobenzene	8.939	284	134788	119.47 ng	86
81)	N-Octadecane	9.222	57	635962	127.43 ng	85
82)	Pentachlorophenol	9.137	266	96315	135.41 ng	94
83)	Phenanthrene	9.361	178	1048689	122.36 ng	100
84)	Anthracene	9.415	178	1075281	124.14 ng	100
85)	Carbazole	9.586	167	1090805	124.80 ng	98
86)	Di-n-butylphthalate	9.976	149	1346762	131.58 ng	98
87)	Fluoranthene	10.672	202	1088928	125.24 ng	98
89)	Pyrene	10.934	202	1081816	130.28 ng	96
90)	Benzidine	10.832	184	397448	137.24 ng	92
92)	p,p'-DDE	11.062	246	177256	125.65 ng	90
93)	p,p'-DDD	11.458	235	364364	127.79 ng	86
94)	Butylbenzylphthalate	11.725	149	590310	141.01 ng	79
95)	p,p'-DDT	11.816	235	281199	157.18 ng	92
96)	3,3'-Dichlorobenzidine	12.335	252	235757	135.88 ng	98
97)	Benzo[a]anthracene	12.351	228	879277	125.97 ng	100
98)	Chrysene	12.394	228	830728	124.56 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.426	149	780490	138.72 ng	92
101)	Di-n-octylphthalate	13.175	149	1376680	144.94 ng	100
102)	Benzo[b]fluoranthene	13.560	252	790235	129.88 ng	97
103)	Benzo[k]fluoranthene	13.592	252	743860	128.09 ng	98
104)	Benzo[a]pyrene	13.902	252	731724	131.10 ng	98
105)	Indeno[1,2,3-cd]pyrene	15.122	276	722981	134.18 ng	86
106)	Dibenzo[a,h]anthracene	15.143	278	566969	134.81 ng	94
107)	Benzo[g,h,i]perylene	15.453	276	584373	130.73 ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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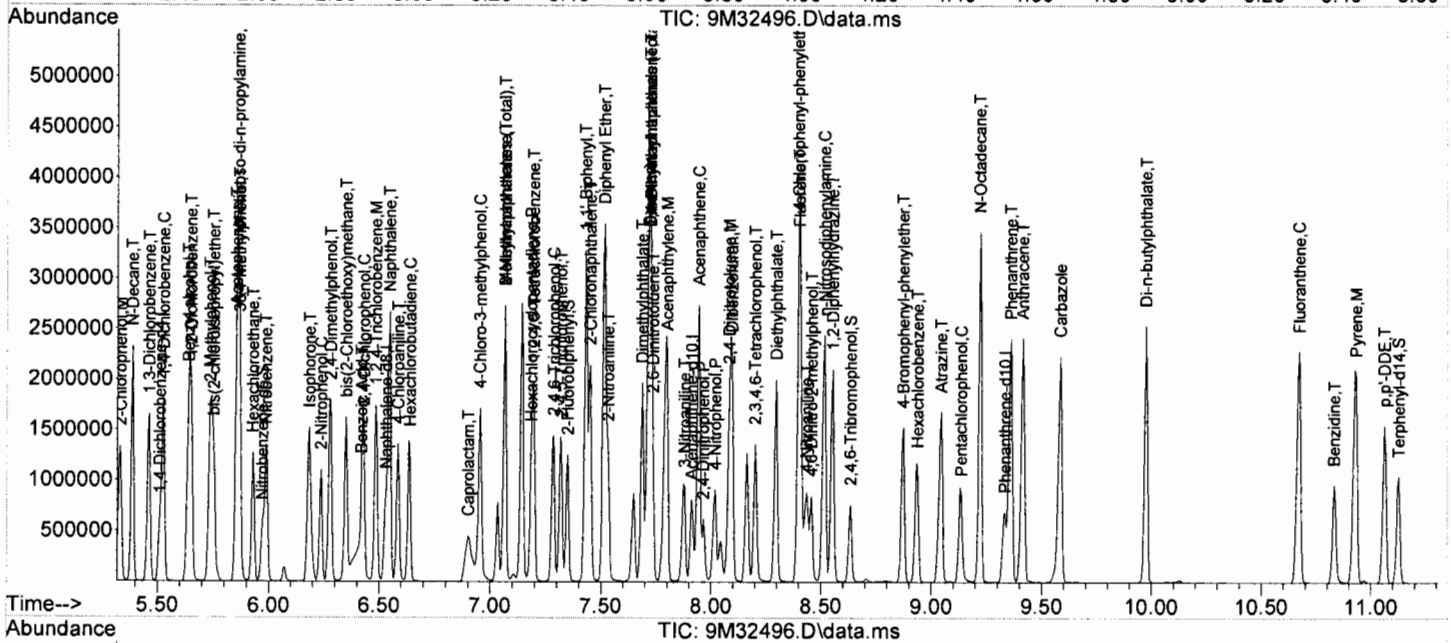
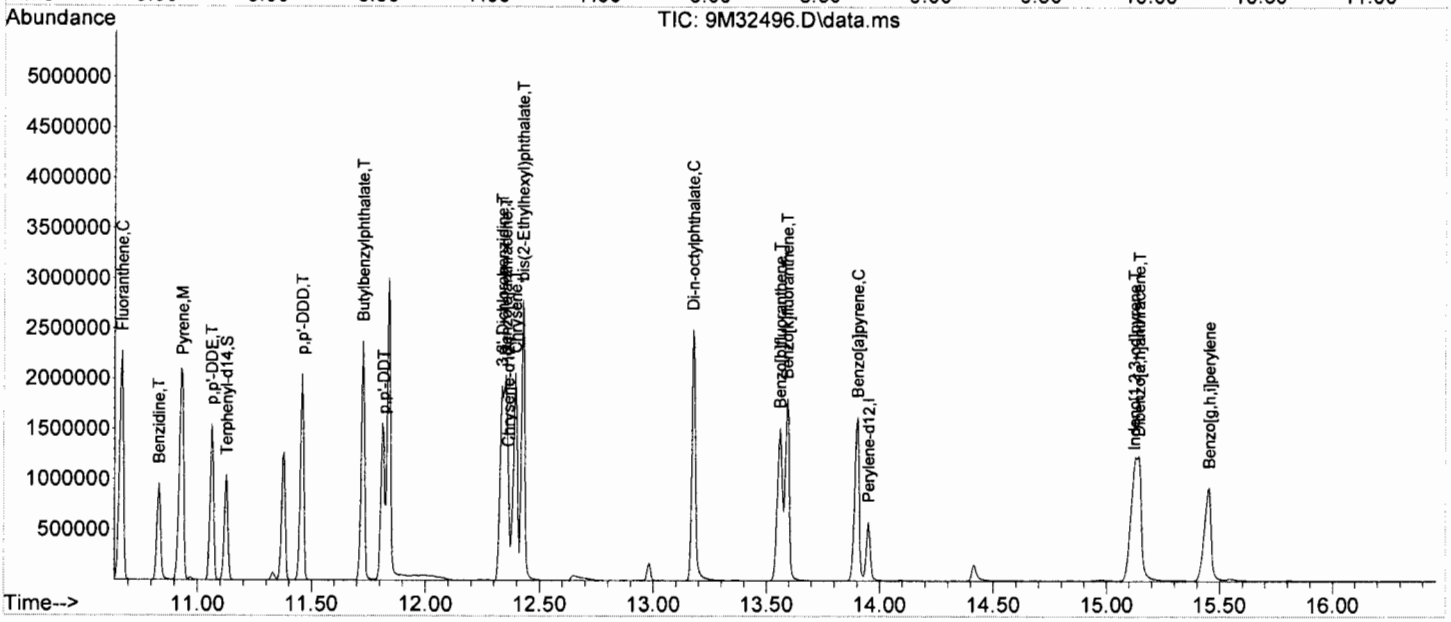
TIC: 9M32496.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M32496.D
Acq On : 02/28/11 12:52
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:37
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 9M32496.D\data.ms
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl alcohol,T
bis(2-Chloroethyl)ether,T
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic acid,C
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
2,6-Dinitrotoluene,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
Dibenzofuran,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
Phenanthrene,T
Anthracene,T
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32496.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Chrysene
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32497.D Sam Mult : 1 Vial# : 9 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:33 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	88371	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	347775	40.00	ng	-0.05
47) Acenaphthene-d10	7.923	164	192834	40.00	ng	-0.05
74) Phenanthrene-d10	9.340	188	312030	40.00	ng	-0.05
88) Chrysene-d12	12.367	240	242269	40.00	ng	-0.05
100) Perylene-d12	13.956	264	199175	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	511248	177.79	ng	-0.04
Spiked Amount 100.000			Recovery = 177.79%			
15) Phenol-d5	5.216	99	679321	168.01	ng	-0.03
Spiked Amount 100.000			Recovery = 168.01%			
30) Nitrobenzene-d5	5.976	128	125414	86.42	ng	-0.04
Spiked Amount 50.000			Recovery = 172.84%			
52) 2-Fluorobiphenyl	7.356	172	491622	80.36	ng	-0.04
Spiked Amount 50.000			Recovery = 160.72%			
77) 2,4,6-Tribromophenol	8.645	330	69404	179.81	ng	-0.04
Spiked Amount 100.000			Recovery = 179.81%			
91) Terphenyl-d14	11.132	244	416240	85.07	ng	-0.06
Spiked Amount 50.000			Recovery = 170.14%			
Target Compounds						Qvalue
8) Pyridine	2.558	79	609634	188.53	ng	79
9) N-Nitrosodimethylamine	2.515	74	372764	181.35	ng	77
11) Benzaldehyde	5.125	77	219750	124.73	ng	81
12) Aniline	5.232	93	811263	176.09	ng	40
13) Pentachloroethane	5.264	117	156561	157.86	ng	91
14) bis(2-Chloroethyl)ether	5.302	93	524445	162.56	ng	84
16) Phenol	5.232	94	737215	165.56	ng	77
17) 2-Chlorophenol	5.334	128	535497	166.12	ng	85
18) N-Decane	5.387	57	574166	147.13	ng	88
19) 1,3-Dichlorobenzene	5.462	146	529762	158.66	ng	97
20) 1,4-Dichlorobenzene	5.526	146	537835	158.94	ng	97
21) 1,2-Dichlorobenzene	5.655	146	500260	157.32	ng	98
22) Benzyl alcohol	5.644	108	362571	164.54	ng	73
23) bis(2-chloroisopropyl)...	5.751	45	753073	162.10	ng	95
24) 2-Methylphenol	5.740	108	489065	163.99	ng	99
25) Acetophenone	5.858	105	703271	148.71	ng	65
26) Hexachloroethane	5.927	117	205848	166.33	ng	94
27) N-Nitroso-di-n-propyla...	5.869	70	386867	160.49	ng	70
28) 3&4-Methylphenol	5.874	108	488503	159.47	ng	99
31) Nitrobenzene	5.992	77	541078	170.27	ng	81
32) Isophorone	6.190	82	1054162	167.87	ng	85
33) 2-Nitrophenol	6.238	139	268778	185.74	ng	88
34) 2,4-Dimethylphenol	6.286	107	510479	169.14	ng	92
35) Benzoic Acid	6.436	105	427447	208.08	ng	87
36) bis(2-Chloroethoxy)met...	6.355	93	614313	163.46	ng	95
37) 2,4-Dichlorophenol	6.436	162	385780	164.00	ng	90
38) 1,2,4-Trichlorobenzene	6.489	180	399092	158.39	ng	99
39) Naphthalene	6.553	128	1491120	156.42	ng	100
40) 4-Chloroaniline	6.591	127	427299	144.02	ng	99
41) Hexachlorobutadiene	6.639	225	180652	158.09	ng	96
42) Caprolactam	6.922	113	211941	184.07	ng	70
43) 4-Chloro-3-methylphenol	6.965	107	470882	170.12	ng	87
44) 2-Methylnaphthalene	7.072	142	954090	159.30	ng	100
45) Methylnaphthalenes (To...	7.072	142	954090	159.30	ng	100
46) 1,1'-Biphenyl	7.441	154	1252086	158.52	ng	95
48) 1,2,4,5-Tetrachloroben...	7.206	216	343421	149.17	ng	98
49) Hexachlorocyclopentadiene	7.195	237	184333	185.43	ng	99
50) 2,4,6-Trichlorophenol	7.291	196	245875	167.46	ng	100
51) 2,4,5-Trichlorophenol	7.329	196	263407	172.89	ng	98
53) 2-Chloronaphthalene	7.457	162	832700	156.39	ng	97
54) 1,4-Dimethylnaphthalene	7.730	156	642437	142.85	ng	91
55) Dimethylnaphthalenes (...	7.730	156	642437	142.85	ng	91
56) Diphenyl Ether	7.521	170	636111	146.59	ng	82
57) 2-Nitroaniline	7.543	65	345708	174.03	ng	59
58) Coumarin	7.730	146	379428	159.99	ng	74
59) Acenaphthylene	7.805	152	1430683	159.31	ng	100
60) Dimethylphthalate	7.698	163	997580	159.47	ng	98
61) 2,6-Dinitrotoluene	7.746	165	220407	173.81	ng	64
62) Acenaphthene	7.955	153	913453	159.36	ng	95
63) 3-Nitroaniline	7.890	138	227365	156.15	ng	68
64) 2,4-Dinitrophenol	7.976	184	117633	274.41	ng	92
65) Dibenzofuran	8.104	168	1207000	155.20	ng	88

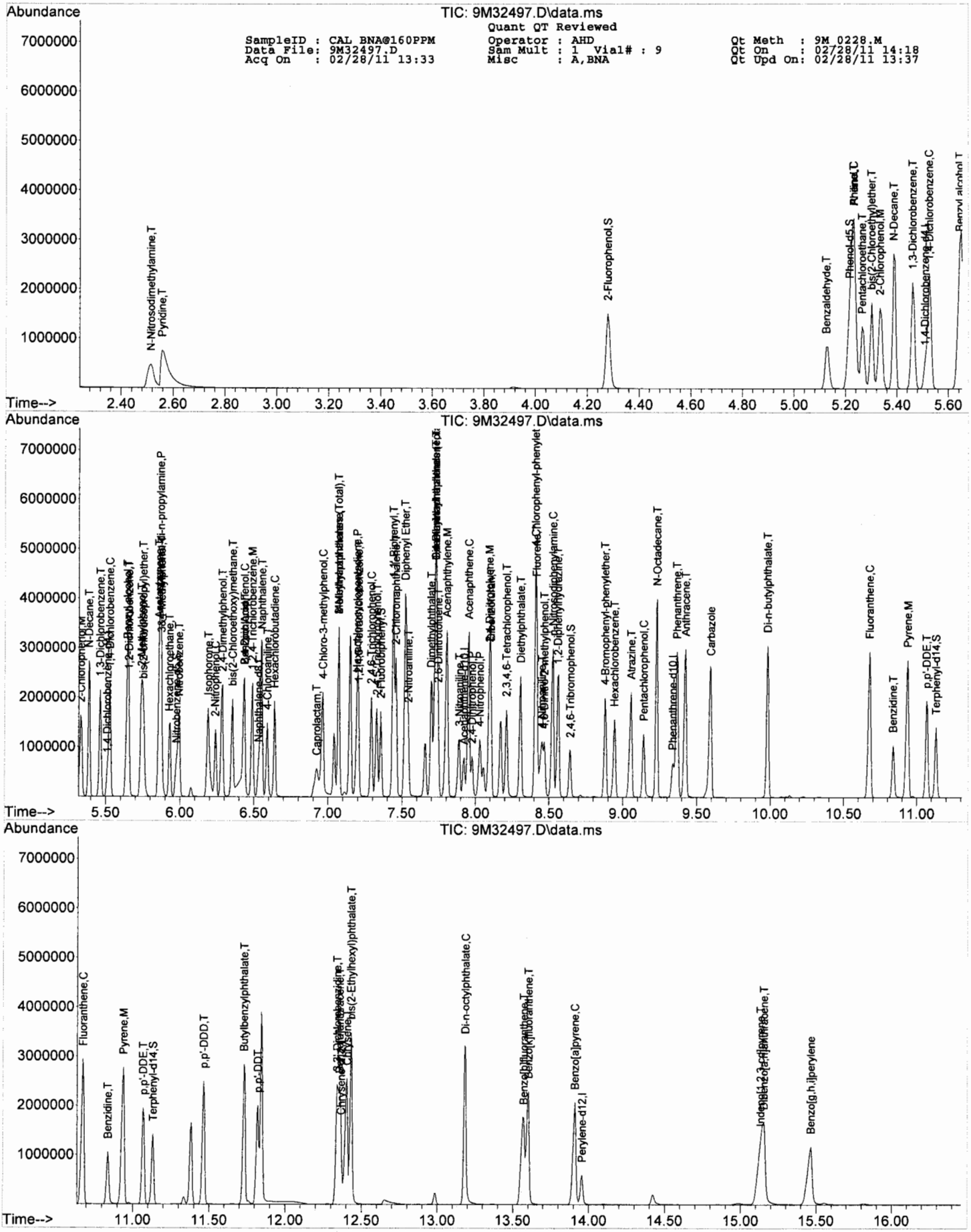
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32497.D Sam Mult : 1 Vial# : 9 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:33 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.094	165	304155	186.60	ng	78
67)	4-Nitrophenol	8.029	65	231064	202.93	ng	97
68)	2,3,4,6-Tetrachlorophenol	8.211	232	192443	171.48	ng	94
69)	Fluorene	8.415	166	1014261	157.96	ng	98
70)	4-Chlorophenyl-phenyle...	8.409	204	418991	156.96	ng	92
71)	Diethylphthalate	8.308	149	1015832	162.76	ng	97
72)	4-Nitroaniline	8.452	138	304355	174.87	ng	75
73)	Atrazine	9.056	200	271456	157.78	ng	96
75)	4,6-Dinitro-2-methylph...	8.468	198	155971	278.53	ng	41
76)	n-Nitrosodiphenylamine	8.527	169	881157	163.75	ng	99
78)	1,2-Diphenylhydrazine	8.559	77	1127943	167.47	ng	87
79)	4-Bromophenyl-phenylether	8.880	248	205029	164.68	ng	92
80)	Hexachlorobenzene	8.944	284	178605	159.52	ng	91
81)	N-Octadecane	9.233	57	810028	163.55	ng	82
82)	Pentachlorophenol	9.142	266	130267	184.54	ng	96
83)	Phenanthrene	9.367	178	1349219	158.62	ng	99
84)	Anthracene	9.425	178	1389268	161.62	ng	99
85)	Carbazole	9.597	167	1409213	162.47	ng	98
86)	Di-n-butylphthalate	9.982	149	1749408	172.23	ng	98
87)	Fluoranthene	10.677	202	1427159	165.40	ng	98
89)	Pyrene	10.939	202	1413621	168.39	ng	98
90)	Benzidine	10.838	184	435896	148.89	ng	93
92)	p,p'-DDE	11.068	246	234624	164.51	ng	89
93)	p,p'-DDD	11.463	235	480147	166.57	ng	86
94)	Butylbenzylphthalate	11.731	149	774768	183.07	ng	82
95)	p,p'-DDT	11.822	235	374423	207.03	ng	93
96)	3,3'-Dichlorobenzidine	12.340	252	280382	159.86	ng	99
97)	Benzo[a]anthracene	12.357	228	1163136	164.83	ng	100
98)	Chrysene	12.405	228	1076619	159.68	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.431	149	1017010	178.81	ng	93
101)	Di-n-octylphthalate	13.186	149	1802531	190.75	ng	100
102)	Benzo[b]fluoranthene	13.571	252	1011581	167.11	ng	98
103)	Benzo[k]fluoranthene	13.603	252	979492	169.53	ng	100
104)	Benzo[a]pyrene	13.908	252	948640	170.83	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.132	276	944819	176.26	ng	85
106)	Dibenzo[a,h]anthracene	15.154	278	739592	176.75	ng	95
107)	Benzo[g,h,i]perylene	15.464	276	771162	173.41	ng	89

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


Abundance
TIC: 9M32497.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M32497.D
Acq On : 02/28/11 13:33
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 14:18
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32497.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthene,C
Diethylphthalate,T
Fluorene,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32497.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32498.D Sam Mult : 1 Vial# : 10 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:57 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	91246	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	367795	40.00	ng	-0.05
47) Acenaphthene-d10	7.917	164	199088	40.00	ng	-0.05
74) Phenanthrene-d10	9.334	188	319949	40.00	ng	-0.06
88) Chrysene-d12	12.367	240	245754	40.00	ng	-0.05
100) Perylene-d12	13.956	264	204273	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	631078	212.54	ng	-0.04
Spiked Amount 100.000			Recovery = 212.54%			
15) Phenol-d5	5.221	99	838566	200.86	ng	-0.03
Spiked Amount 100.000			Recovery = 200.86%			
30) Nitrobenzene-d5	5.976	128	157330	102.51	ng	-0.04
Spiked Amount 50.000			Recovery = 205.02%			
52) 2-Fluorobiphenyl	7.350	172	605897	95.93	ng	-0.05
Spiked Amount 50.000			Recovery = 191.86%			
77) 2,4,6-Tribromophenol	8.639	330	88111	222.63	ng	-0.05
Spiked Amount 100.000			Recovery = 222.63%			
91) Terphenyl-d14	11.132	244	508878	102.53	ng	-0.06
Spiked Amount 50.000			Recovery = 205.06%			
Target Compounds						Qvalue
8) Pyridine	2.558	79	752762	225.45	ng	80
9) N-Nitrosodimethylamine	2.515	74	462036	217.70	ng	76
11) Benzaldehyde	5.125	77	234426	128.87	ng	79
12) Aniline	5.232	93	983492	206.74	ng	40
13) Pentachloroethane	5.264	117	192930	188.40	ng	90
14) bis(2-Chloroethyl)ether	5.302	93	647848	194.48	ng	85
16) Phenol	5.237	94	922484	200.64	ng	81
17) 2-Chlorophenol	5.339	128	670316	201.39	ng	83
18) N-Decane	5.387	57	701264	174.03	ng	87
19) 1,3-Dichlorobenzene	5.462	146	658631	191.04	ng	98
20) 1,4-Dichlorobenzene	5.526	146	669404	191.59	ng	98
21) 1,2-Dichlorobenzene	5.649	146	615549	187.48	ng	98
22) Benzyl alcohol	5.644	108	449942	197.76	ng	72
23) bis(2-chloroisopropyl)...	5.751	45	933738	194.65	ng	96
24) 2-Methylphenol	5.740	108	611791	198.68	ng	98
25) Acetophenone	5.863	105	877273	179.66	ng	65
26) Hexachloroethane	5.927	117	259561	203.12	ng	97
27) N-Nitroso-di-n-propyla...	5.869	70	484303	194.58	ng	71
28) 3&4-Methylphenol	5.874	108	616717	194.99	ng	99
31) Nitrobenzene	5.997	77	676202	201.20	ng	77
32) Isophorone	6.189	82	1321167	198.94	ng	85
33) 2-Nitrophenol	6.243	139	341373	223.07	ng	86
34) 2,4-Dimethylphenol	6.286	107	633391	198.44	ng	92
35) Benzoic Acid	6.452	105	553318	254.69	ng	87
36) bis(2-Chloroethoxy)met...	6.355	93	766078	192.75	ng	95
37) 2,4-Dichlorophenol	6.435	162	485533	195.17	ng	90
38) 1,2,4-Trichlorobenzene	6.489	180	498748	187.17	ng	100
39) Naphthalene	6.548	128	1850100	183.51	ng	99
40) 4-Chloroaniline	6.591	127	471258	150.19	ng	99
41) Hexachlorobutadiene	6.639	225	231160	191.27	ng	97
42) Caprolactam	6.933	113	221305	181.74	ng	71
43) 4-Chloro-3-methylphenol	6.960	107	589282	201.30	ng	86
44) 2-Methylnaphthalene	7.067	142	1177024	185.83	ng	100
45) Methylnaphthalenes (To...	7.067	142	1177024	185.83	ng	100
46) 1,1'-Biphenyl	7.436	154	1548542	185.38	ng	95
48) 1,2,4,5-Tetrachloroben...	7.200	216	433168	182.24	ng	98
49) Hexachlorocyclopentadiene	7.190	237	235984	229.93	ng	99
50) 2,4,6-Trichlorophenol	7.291	196	311181	205.28	ng	100
51) 2,4,5-Trichlorophenol	7.323	196	326320	207.46	ng	99
53) 2-Chloronaphthalene	7.457	162	1029182	187.22	ng	95
54) 1,4-Dimethylnaphthalene	7.730	156	797162	171.68	ng	89
55) Dimethylnaphthalenes (...	7.730	156	797162	171.68	ng	89
56) Diphenyl Ether	7.516	170	794875	177.42	ng	82
57) 2-Nitroaniline	7.537	65	420623	205.10	ng	62
58) Coumarin	7.730	146	465955	190.30	ng	86
59) Acenaphthylene	7.805	152	1750937	188.84	ng	99
60) Dimethylphthalate	7.703	163	1224715	189.63	ng	98
61) 2,6-Dinitrotoluene	7.746	165	273539	208.94	ng	65
62) Acenaphthene	7.949	153	1132195	191.32	ng	97
63) 3-Nitroaniline	7.885	138	272563	181.31	ng	67
64) 2,4-Dinitrophenol	7.976	184	151694	342.75	ng	87
65) Dibenzofuran	8.099	168	1479315	184.24	ng	88

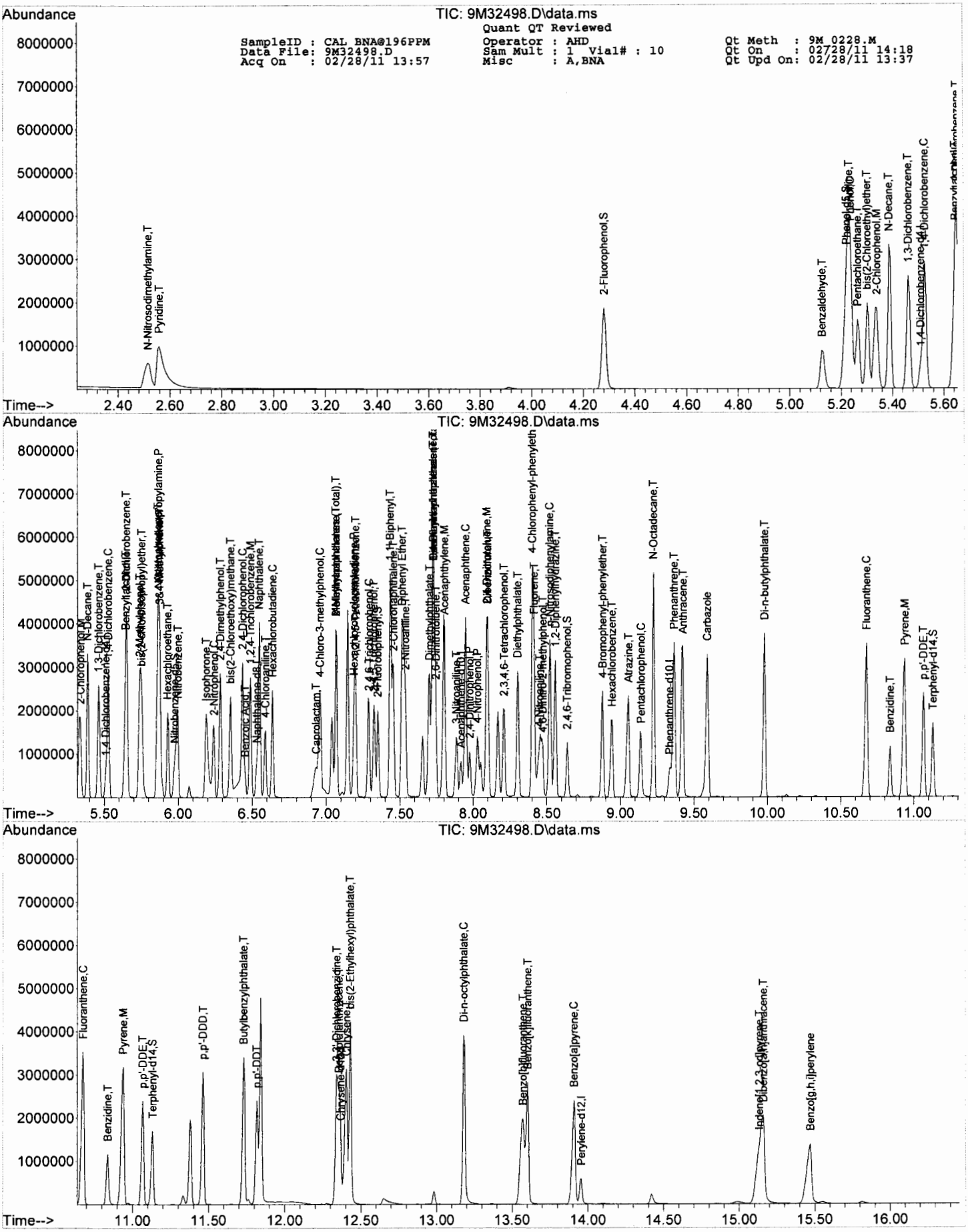
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32498.D Sam Mult : 1 Vial# : 10 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:57 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.094	165	374050	222.27 ng	81
67)	4-Nitrophenol	8.029	65	286906	244.05 ng	98
68)	2,3,4,6-Tetrachlorophenol	8.211	232	237987	205.40 ng	94
69)	Fluorene	8.414	166	1251332	188.76 ng	100
70)	4-Chlorophenyl-phenyle...	8.404	204	524921	190.47 ng	94
71)	Diethylphthalate	8.302	149	1248458	193.75 ng	97
72)	4-Nitroaniline	8.452	138	370936	206.43 ng	75
73)	Atrazine	9.056	200	329644	185.59 ng	97
75)	4,6-Dinitro-2-methylph...	8.473	198	194874	339.39 ng	52
76)	n-Nitrosodiphenylamine	8.521	169	1081114	195.94 ng	99
78)	1,2-Diphenylhydrazine	8.559	77	1385573	200.63 ng	84
79)	4-Bromophenyl-phenylether	8.880	248	255077	199.80 ng	99
80)	Hexachlorobenzene	8.944	284	225935	196.80 ng	84
81)	N-Octadecane	9.227	57	986032	194.16 ng	83
82)	Pentachlorophenol	9.142	266	165442	228.57 ng	98
83)	Phenanthrene	9.367	178	1661615	190.52 ng	99
84)	Anthracene	9.425	178	1691418	191.90 ng	100
85)	Carbazole	9.591	167	1728816	194.38 ng	98
86)	Di-n-butylphthalate	9.982	149	2160994	207.48 ng	98
87)	Fluoranthene	10.677	202	1755373	198.40 ng	100
89)	Pyrene	10.939	202	1728027	202.92 ng	97
90)	Benzidine	10.837	184	484114	163.02 ng	92
92)	p,p'-DDE	11.067	246	291234	201.31 ng	90
93)	p,p'-DDD	11.463	235	594784	203.41 ng	87
94)	Butylbenzylphthalate	11.731	149	938288	218.56 ng	81
95)	p,p'-DDT	11.816	235	452426	246.61 ng	93
96)	3,3'-Dichlorobenzidine	12.340	252	334405	187.95 ng	99
97)	Benzo[a]anthracene	12.356	228	1444162	201.75 ng	100
98)	Chrysene	12.405	228	1306770	191.06 ng	98
99)	bis(2-Ethylhexyl)phtha...	12.431	149	1229536	213.11 ng	91
101)	Di-n-octylphthalate	13.180	149	2196654	226.65 ng	99
102)	Benzo[b]fluoranthene	13.571	252	1363757	219.66 ng	98
103)	Benzo[k]fluoranthene	13.603	252	1070965	180.73 ng	99
104)	Benzo[a]pyrene	13.908	252	1180461	207.28 ng	98
105)	Indeno[1,2,3-cd]pyrene	15.132	276	1186369	215.79 ng	88
106)	Dibenzo[a,h]anthracene	15.159	278	924225	215.36 ng	95
107)	Benzo[g,h,i]perylene	15.469	276	972547	213.23 ng	90

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


Abundance
TIC: 9M32498.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M32498.D
Acq On : 02/28/11 13:57
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 14:18
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32498.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32498.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32492.D Sam Mult : 1 Vial# : 4 Qt On : 02/28/11 12:50
Acq On : 02/28/11 11:18 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.510	152	87187	40.00 ng	-0.05
29) Naphthalene-d8	6.526	136	347494	40.00 ng	-0.05
47) Acenaphthene-d10	7.906	164	191190	40.00 ng	-0.06
74) Phenanthrene-d10	9.324	188	306969	40.00 ng	-0.07
88) Chrysene-d12	12.346	240	243314	40.00 ng	-0.07
100) Perylene-d12	13.945	264	202498	40.00 ng	-0.07
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.729	108	1313	0.45 ng	95
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.863	108	1384	0.46 ng	93
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.270	107	1551	0.51 ng	85
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.537	128	5706	0.60 ng	99
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D. d	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.088	168	4438	0.58 ng	93

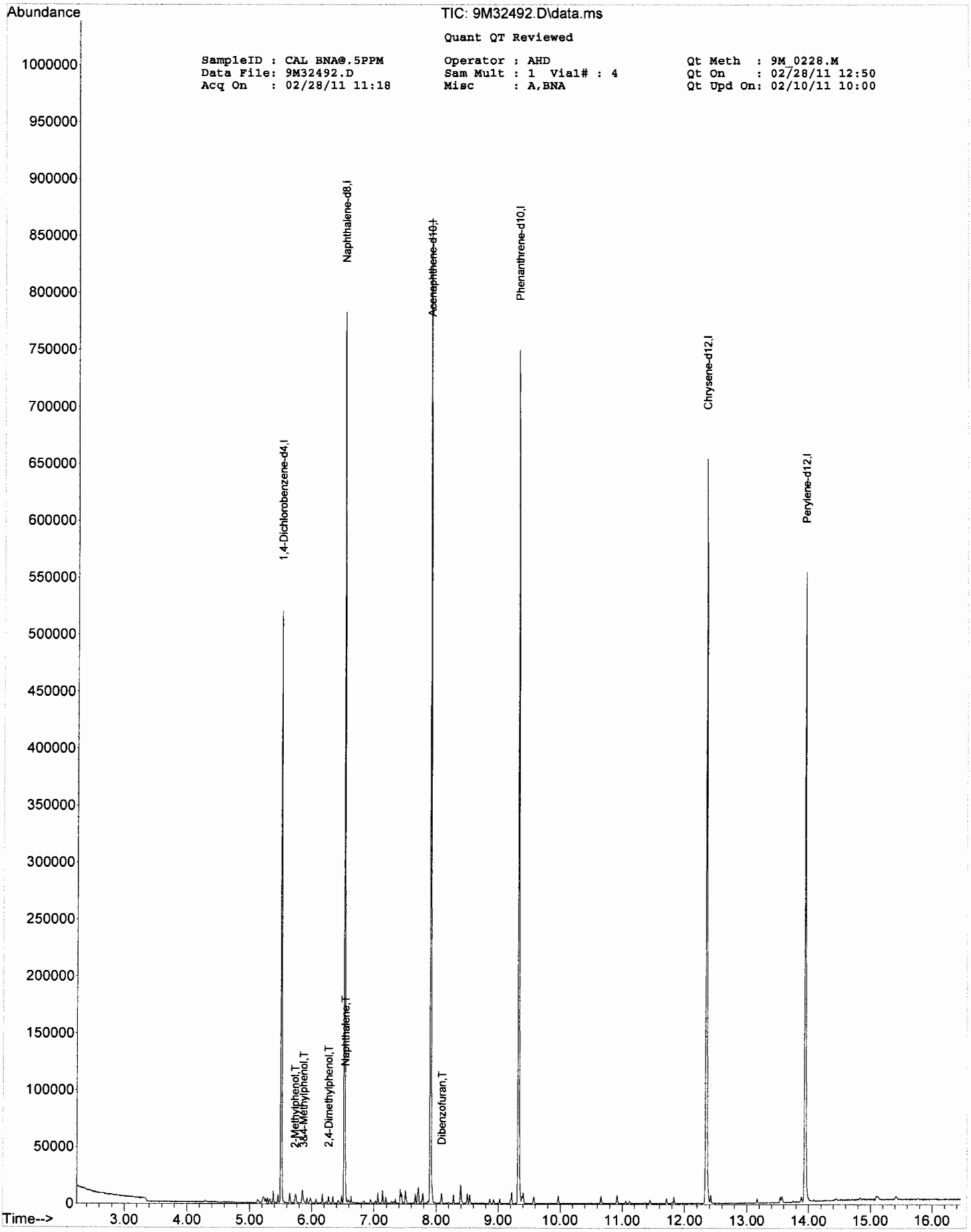
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32492.D Sam Mult : 1 Vial# : 4 Qt On : 02/28/11 12:50
Acq On : 02/28/11 11:18 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
67)	4-Nitrophenol	0.000		0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	d	
69)	Fluorene	0.000		0	N.D.	d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71)	Diethylphthalate	0.000		0	N.D.	d	
72)	4-Nitroaniline	0.000		0	N.D.	d	
73)	Atrazine	0.000		0	N.D.	d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80)	Hexachlorobenzene	0.000		0	N.D.	d	
81)	N-Octadecane	0.000		0	N.D.	d	
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	0.000		0	N.D.	d	
84)	Anthracene	0.000		0	N.D.	d	
85)	Carbazole	0.000		0	N.D.	d	
86)	Di-n-butylphthalate	0.000		0	N.D.	d	
87)	Fluoranthene	0.000		0	N.D.	d	
89)	Pyrene	0.000		0	N.D.	d	
90)	Benzidine	0.000		0	N.D.	d	
92)	p,p'-DDE	0.000		0	N.D.	d	
93)	p,p'-DDD	0.000		0	N.D.	d	
94)	Butylbenzylphthalate	0.000		0	N.D.	d	
95)	p,p'-DDT	0.000		0	N.D.	d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97)	Benzo[a]anthracene	0.000		0	N.D.	d	
98)	Chrysene	0.000		0	N.D.	d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101)	Di-n-octylphthalate	0.000		0	N.D.	d	
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
104)	Benzo[a]pyrene	0.000		0	N.D.	d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 9M32492.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@.5PPM
Data File: 9M32492.D
Acq On : 02/28/11 11:18
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 12:50
Qt Upd On: 02/10/11 10:00
1,4-Dichlorobenzene-d4,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene-d8,I
Naphthalene,T
Acenaphthene-d10,I
Dibenzofuran,T
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0263

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19638.	CAL BNA@50PPM	03/02/11 14:04	2	10M19639.	CAL BNA@2PPM	03/02/11 15:31
3	10M19641.	CAL BNA@10PPM	03/02/11 16:16	4	10M19642.	CAL BNA@20PPM	03/02/11 16:38
5	10M19643.	CAL BNA@80PPM	03/02/11 17:00	6	10M19644.	CAL BNA@120PPM	03/02/11 17:22
7	10M19645.	CAL BNA@160PPM	03/02/11 17:45	8	10M19646.	CAL BNA@196PPM	03/02/11 18:07
9	10M19640.	CAL BNA@.5PPM	03/02/11 15:54				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.5010	1.0964	1.5391	1.6455	1.6742	1.5132	1.4953	1.5067	-----	1.50	2.79	0.998	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.9191	0.7628	0.9398	0.9985	1.0073	0.8846	0.8744	0.8788	-----	0.908	2.72	0.997	0.998	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3376	1.2015	1.3296	1.4350	1.4431	1.3584	1.3220	1.3223	-----	1.34	4.42	0.999	0.999	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chloroacetamide	1	0	LinF	0.3452	0.1611	0.3056	0.3508	0.3806	0.3500	0.3560	0.3541	-----	0.325	4.69	0.999	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0441	0.9091	0.9943	1.0549	0.8587	0.5922	0.4714	0.3855	-----	0.789	5.26	0.856	0.992	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.1551	1.4375	1.7795	2.1104	2.2038	1.9668	1.8131	1.7689	-----	1.90	5.36	0.990	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4551	0.4770	0.4978	0.5093	0.4713	0.4409	0.4219	0.4209	-----	0.462	5.40	0.998	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3331	1.4769	1.5408	1.5934	1.4099	1.3063	1.2221	1.1871	-----	1.38	5.42	0.995	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.7412	1.5382	1.7715	1.9566	1.7952	1.6661	1.6184	1.6258	-----	1.71	5.33	0.998	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9318	1.8774	1.9887	2.1748	1.9553	1.7903	1.6728	1.6601	-----	1.88	5.34	0.995	0.999	9.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3705	1.2932	1.4263	1.5357	1.4319	1.3265	1.2712	1.3096	-----	1.37	5.46	0.998	0.998	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.9379	2.0204	2.1714	2.1143	1.9124	1.7283	1.6423	1.6305	-----	1.89	5.51	0.996	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Chlorophenol	1	0	Avg	1.4618	1.4393	1.5418	1.7135	1.5005	1.3649	1.3387	1.3183	-----	1.46	6.62	0.997	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.4462	1.6969	1.6210	1.6304	1.4974	1.3939	1.3211	1.3046	-----	1.49	5.59	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.4627	1.7344	1.6418	1.6758	1.4695	1.3927	1.3126	1.3312	-----	1.50	5.65	0.998	0.999	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.3778	1.5694	1.5328	1.6247	1.4439	1.3146	1.2465	1.2019	-----	1.41	5.78	0.994	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9437	0.7721	0.9642	1.0592	1.0127	0.9500	0.9118	0.9024	-----	0.940	5.76	0.998	0.999	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	3.1496	3.4801	3.5740	3.6755	3.1987	2.8768	2.6302	2.5152	-----	3.14	5.87	0.989	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3914	1.2595	1.4359	1.5754	1.3990	1.2763	1.2495	1.2116	1.0899	1.32	5.85	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0283	2.2072	2.3365	2.4027	1.9599	1.7950	1.7094	1.6939	-----	2.02	5.97	0.996	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6107	0.6289	0.6742	0.7073	0.6365	0.5952	0.5709	0.5600	-----	0.623	6.06	0.997	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.0146	1.0656	1.1347	1.2107	0.9817	0.8986	0.8580	0.8472	-----	1.00	5.98	0.996	0.999	13	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.3563	1.4138	1.5328	1.5576	1.2941	1.1808	1.1132	1.0908	1.0089	1.28	5.98	0.994	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1702	0.1437	0.1734	0.1790	0.1743	0.1711	0.1687	0.1659	-----	0.168	6.09	1.00	1.00	6.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3876	0.3749	0.4106	0.4193	0.3865	0.3746	0.3594	0.3498	-----	0.383	6.11	0.998	1.00	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6970	0.6479	0.7351	0.7853	0.7124	0.6638	0.6549	0.6549	-----	0.694	6.30	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1877	0.1384	0.1888	0.2051	0.2005	0.1927	0.1864	0.1846	-----	0.186	6.36	0.999	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3588	0.3476	0.3763	0.3950	0.3584	0.3540	0.3349	0.3275	0.2586	0.346	6.39	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2551	0.0825	0.1366	0.2220	0.2989	0.3043	0.3156	0.3261	-----	0.243	6.47	0.993	0.998	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)me	1	0	Avg	0.4080	0.4122	0.4580	0.4614	0.4090	0.3886	0.3679	0.3672	-----	0.409	6.46	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2831	0.2492	0.2856	0.3049	0.2860	0.2727	0.2607	0.2550	-----	0.275	6.54	0.997	1.00	6.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2964	0.3115	0.3422	0.3262	0.2911	0.2733	0.2587	0.2544	-----	0.294	6.61	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	0.9863	1.1167	1.0940	1.1046	0.9564	0.9199	0.8399	0.8375	1.1981	1.01	6.67	0.995	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3-Chloroaniline	1	0	Qua	0.4405	0.3880	0.4322	0.4583	0.5472	0.4806	0.4123	0.3920	-----	0.444	6.69	0.974	0.994	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.3467	0.2633	0.2550	0.3293	0.4044	0.2899	0.3060	0.3100	-----	0.313	6.70	0.982	0.985	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1328	0.1574	0.1502	0.1484	0.1323	0.1324	0.1233	0.1219	-----	0.137	6.76	0.998	0.999	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1336	0.0727	0.1187	0.1409	0.1335	0.1434	0.1393	0.1407	-----	0.128	6.98	0.999	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3250	0.2675	0.3232	0.3479	0.3174	0.3064	0.2965	0.2974	-----	0.310	7.07	0.999	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6539	0.6872	0.7044	0.7472	0.6453	0.6087	0.5667	0.5679	-----	0.648	7.20	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6539	0.6872	0.7044	0.7472	0.6453	0.6087	0.5667	0.5679	-----	0.648	7.20	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichloroaniline	1	0	Avg	0.3310	0.3405	0.3827	0.3760	0.3134	0.2909	0.2655	0.2586	-----	0.320	7.31	0.992	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19638.	CAL BNA@50PPM	03/02/11 14:04	2	10M19639.	CAL BNA@2PPM	03/02/11 15:31
3	10M19641.	CAL BNA@10PPM	03/02/11 16:16	4	10M19642.	CAL BNA@20PPM	03/02/11 16:38
5	10M19643.	CAL BNA@80PPM	03/02/11 17:00	6	10M19644.	CAL BNA@120PPM	03/02/11 17:22
7	10M19645.	CAL BNA@160PPM	03/02/11 17:45	8	10M19646.	CAL BNA@196PPM	03/02/11 18:07
9	10M19640.	CAL BNA@.5PPM	03/02/11 15:54				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.1'-Biphenyl	1	0	Avg	0.8344	0.9358	0.9666	0.9852	0.8136	0.7611	0.7038	0.6928	-----	0.837	7.56	0.995	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4662	0.4866	0.5228	0.5210	0.4337	0.4210	0.3863	0.3853	-----	0.453	7.32	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.2450	0.1811	0.2315	0.2619	0.2458	0.2453	0.2315	0.2353	-----	0.235	7.31	0.999	1.00	10	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3393	0.2649	0.3167	0.3549	0.3346	0.3203	0.3066	0.3044	-----	0.318	7.41	0.998	1.00	8.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.3546	0.2913	0.3375	0.3898	0.3659	0.3441	0.3263	0.3324	-----	0.343	7.44	0.998	0.999	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2167	1.2655	1.2793	1.3494	1.2120	1.1767	1.1106	1.1105	-----	1.22	7.48	0.998	1.00	6.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
1.2.3.4-Tetrachloroben	1	0	Avg	0.3562	0.3679	0.3830	0.3982	0.3371	0.3204	0.3005	0.2997	-----	0.345	7.55	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chloronaphthalene	1	0	Avg	1.0841	1.1395	1.1789	1.2578	1.0568	1.0286	0.9511	0.9411	-----	1.08	7.58	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichlorophenol	1	0	Avg	0.5392	0.4487	0.5371	0.5920	0.5366	0.4902	0.4650	0.4531	-----	0.508	7.63	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichloroaniline	1	0	Qua	0.5091	0.4765	0.5495	0.6101	0.4525	0.3405	0.2699	-----	-----	0.458	7.76	0.894	0.998	26		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
1.4-Dimethylnaphthalei	1	0	Qua	0.7663	0.9094	0.8693	0.9043	0.7237	0.6772	0.6221	0.6067	-----	0.760	7.86	0.993	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Qua	0.7663	0.9094	0.8693	0.9043	0.7237	0.6772	0.6221	0.6067	-----	0.760	7.86	0.993	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8050	0.9034	0.9083	0.9194	0.7738	0.7306	0.6614	0.6486	-----	0.794	7.64	0.993	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4891	0.4120	0.4929	0.5572	0.4974	0.4701	0.4374	0.4396	-----	0.475	7.66	0.997	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5088	0.5114	0.5443	0.5926	0.4789	0.4492	0.3995	0.3859	-----	0.484	7.84	0.988	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.7382	1.8339	1.8984	2.0041	1.7083	1.6172	1.5205	1.5003	-----	1.73	7.93	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Qua	1.2725	1.6311	1.3649	1.8240	1.2468	1.1690	1.1312	1.1170	-----	1.34	7.80	0.989	0.994	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2720	0.2567	0.3010	0.3186	0.2619	0.2460	0.2336	0.2298	-----	0.265	7.86	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.0486	1.1850	1.1548	1.2056	1.0438	0.9804	0.9557	0.9225	-----	1.06	8.08	0.997	1.00	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3251	0.2654	0.3178	0.3520	0.3145	0.2955	0.2819	0.2685	-----	0.303	8.01	0.995	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1450	-----	0.0806	0.1308	0.1624	0.1674	0.1732	0.1746	-----	0.148	8.09	0.999	1.00	23	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorobenzene	1	0	Avg	0.3661	0.4173	0.3919	0.4093	0.3507	0.3359	0.3263	0.3195	-----	0.365	8.20	0.998	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.4904	1.6608	1.6921	1.6986	1.4375	1.3922	1.2820	1.2776	1.7382	1.52	8.23	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4.5-Trichloroaniline	1	0	Avg	0.4425	0.4252	0.4695	0.4941	0.4232	0.3985	0.3555	0.3268	-----	0.417	8.28	0.982	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.3929	0.2892	0.3879	0.4265	0.4042	0.3909	0.3738	0.3639	-----	0.379	8.21	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3045	0.1695	0.2584	0.3186	0.3162	0.3116	0.3246	0.3056	-----	0.289	8.14	0.998	0.999	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.5-Tetrachlorophe	1	0	Avg	0.2334	0.2257	0.2164	0.3011	0.2849	0.2626	0.2847	0.2595	-----	0.259	8.32	0.994	0.995	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Qua	0.2469	0.1742	0.2797	0.2555	0.1948	0.2218	0.1735	-----	-----	0.221	8.34	0.976	0.991	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Fluorene	1	0	Avg	1.1930	1.3197	1.3722	1.3665	1.1716	1.1365	1.0695	1.0500	-----	1.21	8.55	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5030	0.5483	0.5847	0.5838	0.4888	0.4868	0.4612	0.4478	-----	0.513	8.54	0.998	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3015	1.2513	1.3547	1.4267	1.2717	1.2335	1.1847	1.1529	-----	1.27	8.43	0.998	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3705	0.2809	0.3641	0.4035	0.3749	0.3769	0.3573	0.3471	-----	0.359	8.56	0.998	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.5.6-Tetrachloroanili	1	0	Avg	0.3513	0.4094	0.3797	0.4086	0.3416	0.3356	0.3109	0.3066	-----	0.356	8.69	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3478	0.2941	0.3446	0.3792	0.3397	0.3312	0.3178	0.3183	-----	0.334	9.18	0.999	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	LinF	0.1277	0.0572	0.0967	0.1197	0.1316	0.1351	0.1289	0.1277	-----	0.116	8.59	0.999	1.00	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6879	0.6891	0.7234	0.7597	0.6509	0.6483	0.6028	0.5841	-----	0.668	8.65	0.996	1.00	8.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0755	0.0512	0.0723	0.0826	0.0744	0.0749	0.0731	0.0707	-----	0.0719	8.78	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.8650	0.9267	0.9860	0.9889	0.8408	0.8732	0.8022	0.7682	-----	0.881	8.69	0.995	0.999	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1658	0.1726	0.1837	0.1881	0.1610	0.1592	0.1539	0.1493	-----	0.167	9.02	0.998	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1613	0.1749	0.1765	0.1778	0.1562	0.1549	0.1481	0.1429	-----	0.162	9.08	0.994	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7495	0.7038	0.8175	0.8572	0.7112	0.6771	0.6073	0.5803	-----	0.713	9.36	0.989	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0265

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19638.	CAL BNA@50PPM	03/02/11 14:04
3	10M19641.	CAL BNA@10PPM	03/02/11 16:16
5	10M19643.	CAL BNA@80PPM	03/02/11 17:00
7	10M19645.	CAL BNA@160PPM	03/02/11 17:45
9	10M19640.	CAL BNA@.5PPM	03/02/11 15:54

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
2	10M19639.	CAL BNA@2PPM	03/02/11 15:31
4	10M19642.	CAL BNA@20PPM	03/02/11 16:38
6	10M19644.	CAL BNA@120PPM	03/02/11 17:22
8	10M19646.	CAL BNA@196PPM	03/02/11 18:07

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pentachloronitrobenzei	1	0	Avg	0.0852	0.0667	0.0814	0.0892	0.0847	0.0842	0.0801	0.0768	-----	0.0811	9.30	0.997	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1047	0.0417	0.0774	0.1041	0.1113	0.1097	0.1079	0.1050	-----	0.0953	9.28	0.999	1.00	25	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.0534	1.1463	1.1668	1.1905	1.0310	0.9848	0.9306	0.9179	-----	1.05	9.52	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.0944	1.1553	1.1855	1.2091	1.0476	1.0200	0.9839	0.9326	-----	1.08	9.57	0.996	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroaniline	1	0	Avg	0.1772	0.1896	0.1991	0.1991	0.1752	0.1686	0.1609	0.1553	-----	0.178	9.76	0.997	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1211	1.1146	1.2266	1.2478	1.0931	1.0589	1.0116	0.9622	-----	1.10	9.74	0.996	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4030	1.0698	1.3722	1.5069	1.3557	1.3008	1.2763	1.2065	-----	1.31	10.12	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Parathion	1	0	LinF	0.0583	0.0218	0.0406	0.0553	0.0572	0.0557	0.0559	0.0547	-----	0.0500	10.32	0.999	1.00	25		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1472	1.0954	1.2289	1.1882	1.1110	1.0776	1.0187	0.9601	-----	1.10	10.83	0.994	1.00	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3023	1.2819	1.4113	1.4770	1.3427	1.3171	1.2912	1.2729	-----	1.34	11.09	0.999	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5828	0.1292	0.2832	0.4809	0.5563	0.4654	0.4065	0.3630	-----	0.408	10.99	0.951	0.997	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7962	0.7820	0.8010	0.8897	0.8246	0.8106	0.7944	0.8078	0.7709	0.809	11.28	1.00	1.00	4.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	0.25
4,4'-DDE	1	0	Avg	0.2383	0.2184	0.2441	0.2696	0.2459	0.2456	0.2365	0.2396	-----	0.242	11.22	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.4479	0.3734	0.4556	0.5141	0.4744	0.4585	0.4514	0.4533	-----	0.454	11.61	0.999	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-hexyl phthalate	1	0	Qua	1.6772	1.0200	1.5290	1.8516	1.7685	1.7011	1.6628	1.6670	-----	1.61	11.80	0.999	1.00	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.7219	0.4809	0.6950	0.7808	0.7578	0.7284	0.7206	0.7089	-----	0.699	11.88	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3879	0.2759	0.3678	0.4253	0.4096	0.3815	0.3678	0.3621	-----	0.372	11.97	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3325	0.2047	0.2382	0.3149	0.3562	0.3219	0.2937	0.2725	-----	0.292	12.48	0.983	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.0622	1.0705	1.1509	1.1769	1.0894	1.0808	1.0280	1.0029	-----	1.08	12.51	0.998	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0404	1.1734	1.1720	1.2005	1.0623	0.9886	0.9694	0.9438	-----	1.07	12.55	0.998	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9483	0.5956	0.8555	1.0087	0.9699	0.9493	0.9015	0.8782	-----	0.888	12.57	0.997	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	1.7530	0.8591	1.4340	1.8032	1.9012	1.7704	1.7754	1.7182	-----	1.63	13.31	0.998	0.999	21	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.0543	0.9159	1.0973	1.1396	1.0329	1.0535	1.0658	1.0297	-----	1.05	13.71	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1055	1.0123	1.1722	1.2658	1.1251	0.9911	0.9520	0.9194	-----	1.07	13.75	0.993	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.0531	0.8564	1.1196	1.1449	1.0689	1.0025	0.9837	0.9737	-----	1.03	14.06	0.999	1.00	9.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.0711	0.8341	1.0914	1.1565	1.1037	1.0510	1.0358	1.0055	-----	1.04	15.34	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	0.8615	0.7227	0.9134	0.9271	0.8878	0.8414	0.8232	0.7944	-----	0.846	15.36	0.998	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9148	0.7928	0.9494	0.9929	0.9437	0.9122	0.8911	0.8735	-----	0.909	15.68	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria * - ccc compound
b - failed the ccc criteria ** - spcc compound
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19638.D Sam Mult : 1 Vial# : 2 Qt On : 03/02/11 18:48
Acq On : 03/ 2/11 14:04 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.639	152	95325	40.00	ng	0.00
31) Naphthalene-d8	6.649	136	381638	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	214465	40.00	ng	0.00
85) Phenanthrene-d10	9.490	188	345071	40.00	ng	0.00
102) Chrysene-d12	12.522	240	307913	40.00	ng	0.00
115) Perylene-d12	14.116	264	279142	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.424	112	159388	48.81	ng	-0.01
Spiked Amount 100.000			Recovery = 48.81%			
16) Phenol-d5	5.328	99	207486	49.73	ng	-0.02
Spiked Amount 100.000			Recovery = 49.73%			
32) Nitrobenzene-d5	6.093	128	40607	25.74	ng	0.00
Spiked Amount 50.000			Recovery = 51.48%			
56) 2-Fluorobiphenyl	7.478	172	163098	24.84	ng	0.00
Spiked Amount 50.000			Recovery = 49.68%			
88) 2,4,6-Tribromophenol	8.778	330	32578	52.88	ng	0.00
Spiked Amount 100.000			Recovery = 52.88%			
105) Terphenyl-d14	11.281	244	153230	25.22	ng	0.00
Spiked Amount 50.000			Recovery = 50.44%			
Target Compounds						Qvalue
8) Pyridine	2.788	79	178860	47.28	ng	93
9) N-Nitrosodimethylamine	2.724	74	109516	47.41	ng	94
11) Chloroacetamide	4.692	93	41144	51.63	ng	38
12) Benzaldehyde	5.259	77	124420	64.85	ng	80
13) Aniline	5.355	93	256794	53.72	ng	77
14) Pentachloroethane	5.398	117	54235	45.86	ng	88
15) bis(2-Chloroethyl)ether	5.419	93	158856	47.31	ng	93
17) Phenol	5.344	94	230191	49.12	ng	91
18) 2-Chlorophenol	5.457	128	163307	48.86	ng	93
19) N-Decane	5.510	57	230923	43.54	ng	96
20) 3-Chlorophenol	6.617	128	174191	50.83	ng	92
21) 1,3-Dichlorobenzene	5.590	146	172327	48.13	ng	97
22) 1,4-Dichlorobenzene	5.655	146	174293	48.49	ng	98
23) 1,2-Dichlorobenzene	5.778	146	164178	47.51	ng	98
24) Benzyl alcohol	5.756	108	112450	48.84	ng	78
25) bis(2-chloroisopropyl)...	5.869	45	375300	49.19	ng	92
26) 2-Methylphenol	5.853	108	165797	51.66	ng	94
27) Acetophenone	5.970	105	241691	49.41	ng	76
28) Hexachloroethane	6.056	117	72769	48.03	ng	95
29) N-Nitroso-di-n-propyla...	5.976	70	120898	48.94	ng	94
30) 3&4-Methylphenol	5.976	108	161617	51.41	ng	99
33) Nitrobenzene	6.109	77	184923	48.87	ng	82
34) Isophorone	6.296	82	332522	49.30	ng	89
35) 2-Nitrophenol	6.355	139	89550	50.24	ng	88
36) 2,4-Dimethylphenol	6.387	107	171187	50.54	ng	100
37) Benzoic Acid	6.473	105	121716	49.83	ng	90
38) bis(2-Chloroethoxy)met...	6.462	93	194640	48.65	ng	96
39) 2,4-Dichlorophenol	6.542	162	135053	52.16	ng	88
40) 1,2,4-Trichlorobenzene	6.607	180	141426	50.51	ng	99
41) Naphthalene	6.665	128	470538m	48.56	ng	
42) 3-Chloroaniline	6.692	127	210181	53.59	ng	95
43) 4-Chloroaniline	6.703	127	165436m	53.57	ng	
44) Hexachlorobutadiene	6.756	225	63384	48.39	ng	97
45) Caprolactam	6.981	113	63773	53.71	ng	64
46) 4-Chloro-3-methylphenol	7.067	107	155042	52.24	ng	87
47) 2-Methylnaphthalene	7.195	142	311982	50.22	ng	97
48) Methylnaphthalenes (To...	7.195	142	311982	50.22	ng	97
49) 2,4-Dichloroaniline	7.313	161	157905	46.60	ng	97
50) 1,1'-Biphenyl	7.559	154	398051	50.89	ng	96
52) 1,2,4,5-Tetrachloroben...	7.323	216	125004	49.43	ng	97
53) Hexachlorocyclopentadiene	7.313	237	65694	50.81	ng	98
54) 2,4,6-Trichlorophenol	7.409	196	90980	53.76	ng	100
55) 2,4,5-Trichlorophenol	7.441	196	95070	51.56	ng	98
57) 1,2,3,4-Tetrachloroben...	7.548	214	95499	46.51	ng	56
58) 2-Chloronaphthalene	7.580	162	290632	48.53	ng	95
59) 3,4-Dichlorophenol	7.628	162	144567	21.94	ng	96
60) 3,4-Dichloroaniline	7.762	161	136503	40.60	ng	98
61) 1,4-Dimethylnaphthalene	7.858	156	205438	46.36	ng	93
62) Dimethylnaphthalenes (...	7.858	156	205438	46.36	ng	93
63) Diphenyl Ether	7.644	170	215827	48.13	ng	85
64) 2-Nitroaniline	7.660	65	131124	49.62	ng	69
65) Coumarin	7.842	146	136404	53.54	ng	68

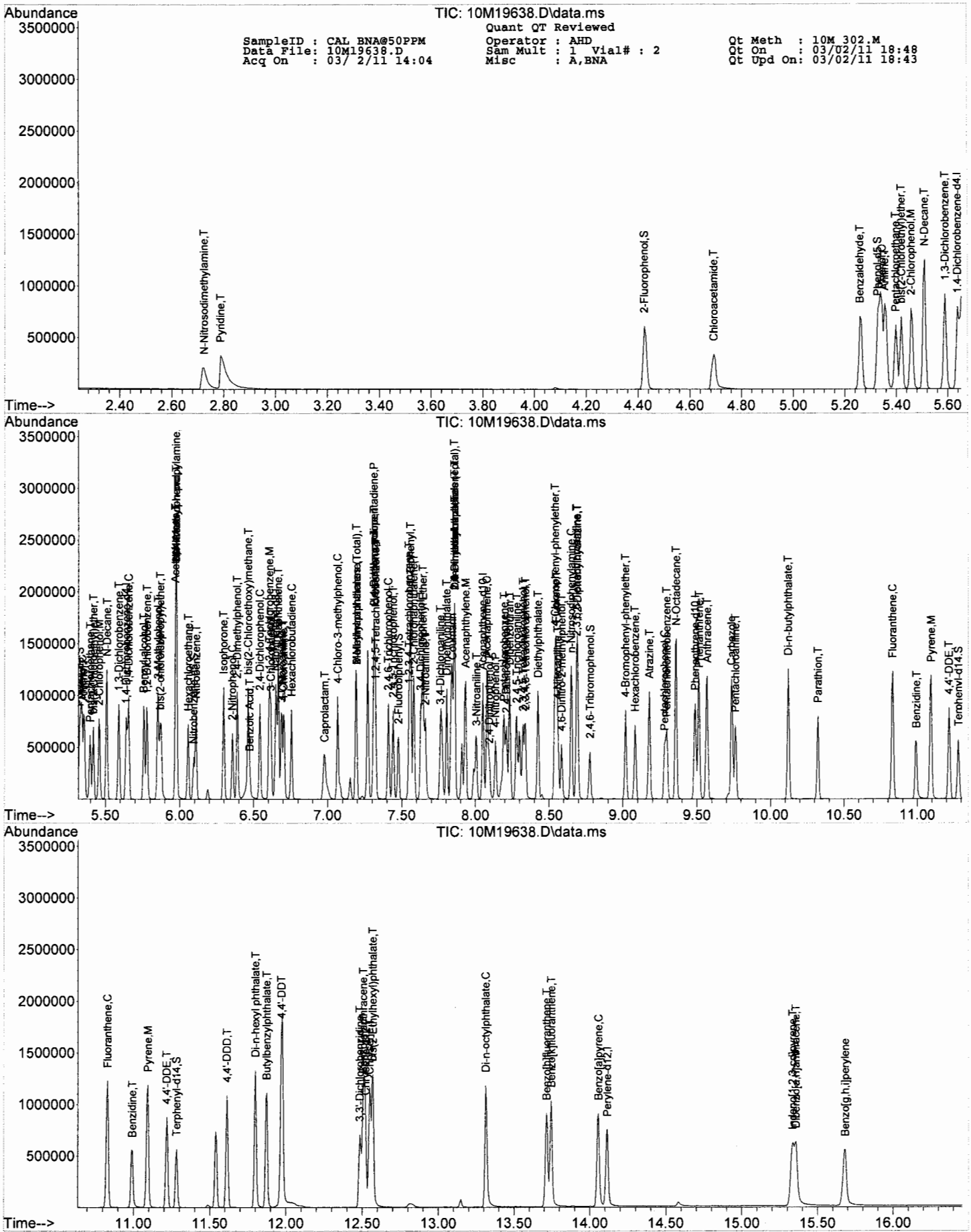
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19638.D Sam Mult : 1 Vial# : 2 Qt On : 03/02/11 18:48
Acq On : 03/ 2/11 14:04 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.933	152	466001	49.45	ng	99
67) Dimethylphthalate	7.805	163	341151	49.77	ng	99
68) 2,6-Dinitrotoluene	7.858	165	72939	50.82	ng	72
69) Acenaphthene	8.078	153	281133	48.51	ng	99
70) 3-Nitroaniline	8.008	138	87166	50.27	ng	73
71) 2,4-Dinitrophenol	8.094	184	38884	50.55	ng	55
72) Pentachlorobenzene	8.195	250	98156	45.41	ng	99
73) Dibenzofuran	8.233	168	399566	47.88	ng	91
74) 2,4,5-Trichloroaniline	8.281	195	118634	44.81	ng	98
75) 2,4-Dinitrotoluene	8.211	165	105352	51.26	ng	73
76) 4-Nitrophenol	8.136	65	81646	49.79	ng	96
77) 2,3,4,5-Tetrachlorophenol	8.324	232	62585m	45.21	ng	
78) 2,3,4,6-Tetrachlorophenol	8.340	232	66190m	51.14	ng	
79) Fluorene	8.548	166	319827	47.90	ng	100
80) 4-Chlorophenyl-phenyle...	8.543	204	134846	48.63	ng	90
81) Diethylphthalate	8.425	149	348930	50.50	ng	100
82) 4-Nitroaniline	8.559	138	99333	49.60	ng	80
83) 2,3,5,6-Tetrachloroani...	8.687	231	94201	45.69	ng	96
84) Atrazine	9.179	200	93240	51.63	ng	99
86) 4,6-Dinitro-2-methylph...	8.586	198	55088	55.89	ng	44
87) n-Nitrosodiphenylamine	8.650	169	296734	52.12	ng	97
89) 1,2-Diphenylhydrazine	8.693	77	373117	45.01	ng	91
90) 4-Bromophenyl-phenylether	9.019	248	71518	49.47	ng	96
91) Hexachlorobenzene	9.083	284	69585	49.48	ng	92
92) N-Octadecane	9.361	57	323298	47.53	ng	96
93) Pentachloronitrobenzene	9.297	237	36789	44.87	ng	94
94) Pentachlorophenol	9.281	266	45175	54.97	ng	96
95) Phenanthrene	9.516	178	454376	49.00	ng	99
96) Anthracene	9.570	178	472063	49.70	ng	100
97) Pentachloroaniline	9.762	265	76432	43.63	ng	99
98) Carbazole	9.736	167	483610	49.86	ng	99
99) Di-n-butylphthalate	10.121	149	605173	51.21	ng	98
100) Parathion	10.324	291	25158	45.58	ng	96
101) Fluoranthene	10.832	202	494838	50.11	ng	99
103) Pyrene	11.094	202	501274	49.02	ng	94
104) Benzidine	10.993	184	224316	54.67	ng	89
106) 4,4'-DDE	11.217	246	91751	50.60	ng	91
107) 4,4'-DDD	11.613	235	172414	49.77	ng	84
108) Di-n-hexyl phthalate	11.800	149	645543	46.41	ng	100
109) Butylbenzylphthalate	11.875	149	277881	52.25	ng	74
110) 4,4'-DDT	11.971	235	149318	55.43	ng	90
111) 3,3'-Dichlorobenzidine	12.485	252	127987	55.99	ng	99
112) Benzo[a]anthracene	12.506	228	408851	47.70	ng	100
113) Chrysene	12.549	228	400453	48.76	ng	99
114) bis(2-Ethylhexyl)phtha...	12.570	149	364995	52.58	ng	95
116) Di-n-octylphthalate	13.314	149	611669	51.61	ng	100
117) Benzo[b]fluoranthene	13.715	252	367887	48.65	ng	99
118) Benzo[k]fluoranthene	13.747	252	385762	51.35	ng	96
119) Benzo[a]pyrene	14.057	252	367479	49.87	ng	97
120) Indeno[1,2,3-cd]pyrene	15.336	276	373738	48.39	ng	95
121) Dibenzo[a,h]anthracene	15.357	278	300603	47.95	ng	98
122) Benzo[g,h,i]perylene	15.683	276	319209	47.99	ng	90

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


Abundance
TIC: 10M19638.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19638.D
Acq On : 03/ 2/11 14:04
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:48
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19639.D Sam Mult : 1 Vial# : 3 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:31 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
7) 1,4-Dichlorobenzene-d4	5.638	152	90348	40.00	ng		0.00
31) Naphthalene-d8	6.649	136	372040	40.00	ng		0.00
51) Acenaphthene-d10	8.051	164	217429	40.00	ng		0.00
85) Phenanthrene-d10	9.484	188	350368	40.00	ng		-0.01
102) Chrysene-d12	12.517	240	316523	40.00	ng		-0.01
115) Perylene-d12	14.111	264	290738	40.00	ng		0.00
System Monitoring Compounds							
10) 2-Fluorophenol	4.430	112	5428	1.75	ng		0.00
Spiked Amount 100.000			Recovery = 1.75%				
16) Phenol-d5	5.328	99	6949	1.76	ng		-0.02
Spiked Amount 100.000			Recovery = 1.76%				
32) Nitrobenzene-d5	6.093	128	1337	0.87	ng		0.00
Spiked Amount 50.000			Recovery = 1.74%				
56) 2-Fluorobiphenyl	7.473	172	6879	1.03	ng		0.00
Spiked Amount 50.000			Recovery = 2.06%				
88) 2,4,6-Tribromophenol	8.773	330	897	1.43	ng		-0.01
Spiked Amount 100.000			Recovery = 1.43%				
105) Terphenyl-d14	11.281	244	6188	0.99	ng		0.00
Spiked Amount 50.000			Recovery = 1.98%				
Target Compounds							Qvalue
8) Pyridine	2.889	79	4953m	1.38	ng		
9) N-Nitrosodimethylamine	2.756	74	3446	1.57	ng		79
11) Chloroacetamide	4.761	93	728m	0.96	ng		
12) Benzaldehyde	5.264	77	4107	2.26	ng		73
13) Aniline	5.355	93	6494	1.43	ng		89
14) Pentachloroethane	5.398	117	2155	1.92	ng		87
15) bis(2-Chloroethyl)ether	5.419	93	6672	2.10	ng		97
17) Phenol	5.339	94	8481	1.91	ng		91
18) 2-Chlorophenol	5.457	128	5842	1.84	ng		86
19) N-Decane	5.510	57	9127	1.82	ng		97
20) 3-Chlorophenol	6.617	128	6502	2.00	ng		98
21) 1,3-Dichlorobenzene	5.590	146	7666	2.26	ng		98
22) 1,4-Dichlorobenzene	5.654	146	7835	2.30	ng		95
23) 1,2-Dichlorobenzene	5.778	146	7090	2.16	ng		97
24) Benzyl alcohol	5.756	108	3488	1.60	ng		77
25) bis(2-chloroisopropyl)...	5.868	45	15721	2.17	ng		92
26) 2-Methylphenol	5.852	108	5690	1.87	ng		99
27) Acetophenone	5.970	105	9971	2.15	ng		78
28) Hexachloroethane	6.056	117	2841	1.98	ng		99
29) N-Nitroso-di-n-propyla...	5.970	70	4814	2.06	ng		90
30) 3&4-Methylphenol	5.975	108	6387	2.14	ng		91
33) Nitrobenzene	6.109	77	6974	1.89	ng		78
34) Isophorone	6.296	82	12053	1.83	ng		91
35) 2-Nitrophenol	6.355	139	2576	1.48	ng		83
36) 2,4-Dimethylphenol	6.387	107	6467	1.96	ng		96
37) Benzoic Acid	6.425	105	1535	0.64	ng		93
38) bis(2-Chloroethoxy)met...	6.462	93	7668	1.97	ng		89
39) 2,4-Dichlorophenol	6.542	162	4637	1.84	ng		82
40) 1,2,4-Trichlorobenzene	6.607	180	5796	2.12	ng		98
41) Naphthalene	6.665	128	20774m	2.20	ng		
42) 3-Chloroaniline	6.687	127	7219m	1.89	ng		
43) 4-Chloroaniline	6.703	127	4899m	1.63	ng		
44) Hexachlorobutadiene	6.756	225	2928	2.29	ng		88
45) Caprolactam	6.949	113	1353m	1.17	ng		
46) 4-Chloro-3-methylphenol	7.061	107	4976	1.72	ng		85
47) 2-Methylnaphthalene	7.190	142	12785	2.11	ng		92
48) Methylnaphthalenes (To...	7.190	142	12785	2.11	ng		92
49) 2,4-Dichloroaniline	7.313	161	6335	1.92	ng		93
50) 1,1'-Biphenyl	7.559	154	17409	2.28	ng		95
52) 1,2,4,5-Tetrachloroben...	7.318	216	5290	2.06	ng		92
53) Hexachlorocyclopentadiene	7.313	237	1969	1.50	ng		96
54) 2,4,6-Trichlorophenol	7.409	196	2880	1.68	ng		92
55) 2,4,5-Trichlorophenol	7.441	196	3167	1.69	ng		90
57) 1,2,3,4-Tetrachloroben...	7.548	214	4000	1.92	ng	#	48
58) 2-Chloronaphthalene	7.580	162	12388	2.04	ng		91
59) 3,4-Dichlorophenol	7.623	162	4878	0.73	ng		99
60) 3,4-Dichloroaniline	7.762	161	5181	1.52	ng		96
61) 1,4-Dimethylnaphthalene	7.853	156	9887	2.20	ng		87
62) Dimethylnaphthalenes (...	7.853	156	9887	2.20	ng		87
63) Diphenyl Ether	7.644	170	9822	2.16	ng		78
64) 2-Nitroaniline	7.655	65	4479	1.67	ng		74
65) Coumarin	7.837	146	5560	2.15	ng		79

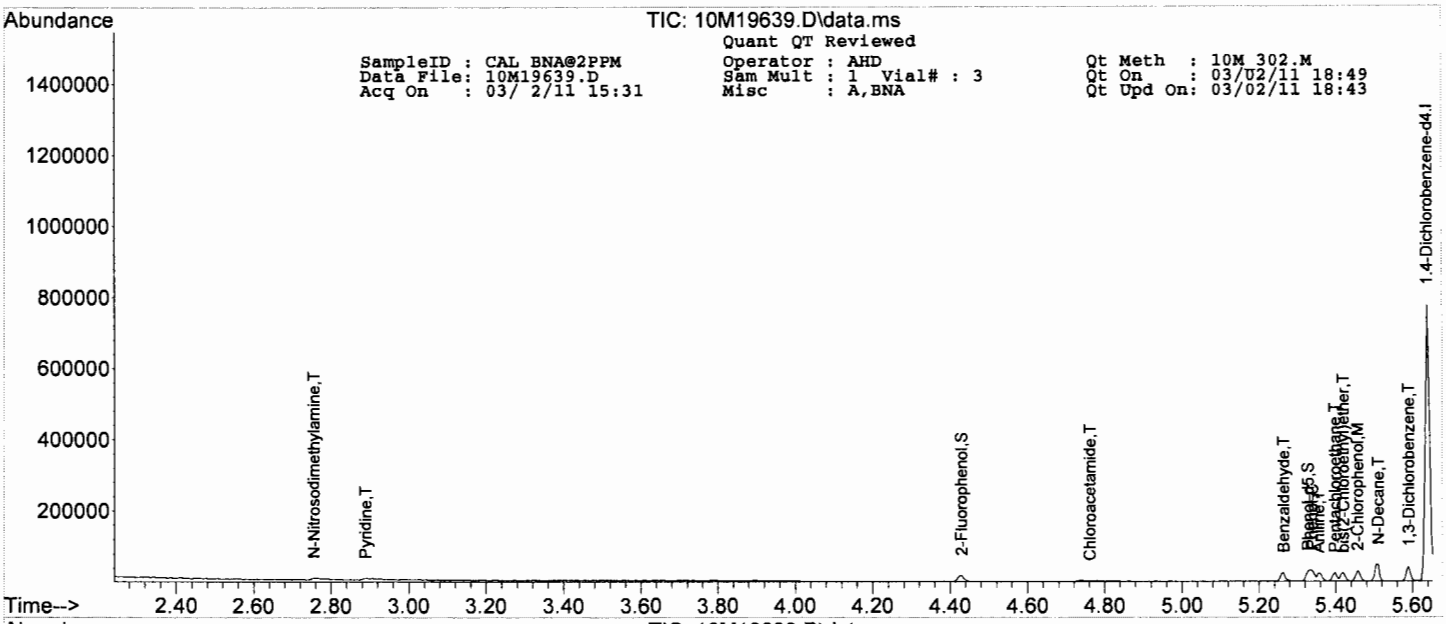
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19639.D Sam Mult : 1 Vial# : 3 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:31 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.928	152	19938	2.09 ng	99
67) Dimethylphthalate	7.799	163	17733	2.55 ng	99
68) 2,6-Dinitrotoluene	7.853	165	2791	1.92 ng	76
69) Acenaphthene	8.077	153	12883	2.19 ng	92
70) 3-Nitroaniline	8.003	138	2886	1.64 ng	78
71) 2,4-Dinitrophenol	0.000		0	N.D.	
72) Pentachlorobenzene	8.190	250	4537	2.07 ng	94
73) Dibenzofuran	8.227	168	18056	2.13 ng	90
74) 2,4,5-Trichloroaniline	8.275	195	4623	1.72 ng	92
75) 2,4-Dinitrotoluene	8.206	165	3145	1.51 ng	74
76) 4-Nitrophenol	8.136	65	1843	1.11 ng	94
77) 2,3,4,5-Tetrachlorophenol	8.318	232	2454m	1.75 ng	
78) 2,3,4,6-Tetrachlorophenol	8.334	232	1894m	1.44 ng	
79) Fluorene	8.548	166	14348	2.12 ng	96
80) 4-Chlorophenyl-phenyle...	8.537	204	5961	2.12 ng	96
81) Diethylphthalate	8.420	149	13604	1.94 ng	100
82) 4-Nitroaniline	8.548	138	3054	1.50 ng	72
83) 2,3,5,6-Tetrachloroani...	8.687	231	4451	2.13 ng	91
84) Atrazine	9.174	200	3198	1.75 ng	96
86) 4,6-Dinitro-2-methylph...	8.580	198	1002	1.00 ng	82
87) n-Nitrosodiphenylamine	8.650	169	12073	2.09 ng	95
89) 1,2-Diphenylhydrazine	8.687	77	16235	1.93 ng	93
90) 4-Bromophenyl-phenylether	9.019	248	3025	2.06 ng	92
91) Hexachlorobenzene	9.083	284	3065	2.15 ng	77
92) N-Octadecane	9.356	57	12330	1.79 ng	95
93) Pentachloronitrobenzene	9.292	237	1169	1.40 ng	93
94) Pentachlorophenol	9.281	266	732	0.88 ng	94
95) Phenanthrene	9.511	178	20082	2.13 ng	98
96) Anthracene	9.564	178	20239	2.10 ng	95
97) Pentachloroaniline	9.762	265	3322	1.87 ng	87
98) Carbazole	9.736	167	19526	1.98 ng	95
99) Di-n-butylphthalate	10.121	149	18742	1.56 ng	97
100) Parathion	10.324	291	382m	0.68 ng	
101) Fluoranthene	10.827	202	19191	1.91 ng	99
103) Pyrene	11.089	202	20288	1.93 ng	96
104) Benzidine	10.992	184	2046	0.49 ng	100
106) 4,4'-DDE	11.217	246	3457	1.85 ng	89
107) 4,4'-DDD	11.613	235	5910	1.66 ng	84
108) Di-n-hexyl phthalate	11.800	149	16143	1.13 ng	100
109) Butylbenzylphthalate	11.870	149	7611	1.39 ng	82
110) 4,4'-DDT	11.966	235	4367	1.58 ng	91
111) 3,3'-Dichlorobenzidine	12.485	252	3241	1.38 ng	98
112) Benzo[a]anthracene	12.506	228	16942	1.92 ng	94
113) Chrysene	12.544	228	18571	2.20 ng	93
114) bis(2-Ethylhexyl)phtha...	12.565	149	9426	1.32 ng	98
116) Di-n-octylphthalate	13.314	149	12490	1.01 ng	99
117) Benzo[b]fluoranthene	13.710	252	13315	1.69 ng	96
118) Benzo[k]fluoranthene	13.736	252	14717	1.88 ng	98
119) Benzo[a]pyrene	14.052	252	12450	1.62 ng	94
120) Indeno[1,2,3-cd]pyrene	15.325	276	12126	1.51 ng	95
121) Dibenzo[a,h]anthracene	15.346	278	10507	1.61 ng	94
122) Benzo[g,h,i]perylene	15.667	276	11526	1.66 ng	89

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


Abundance
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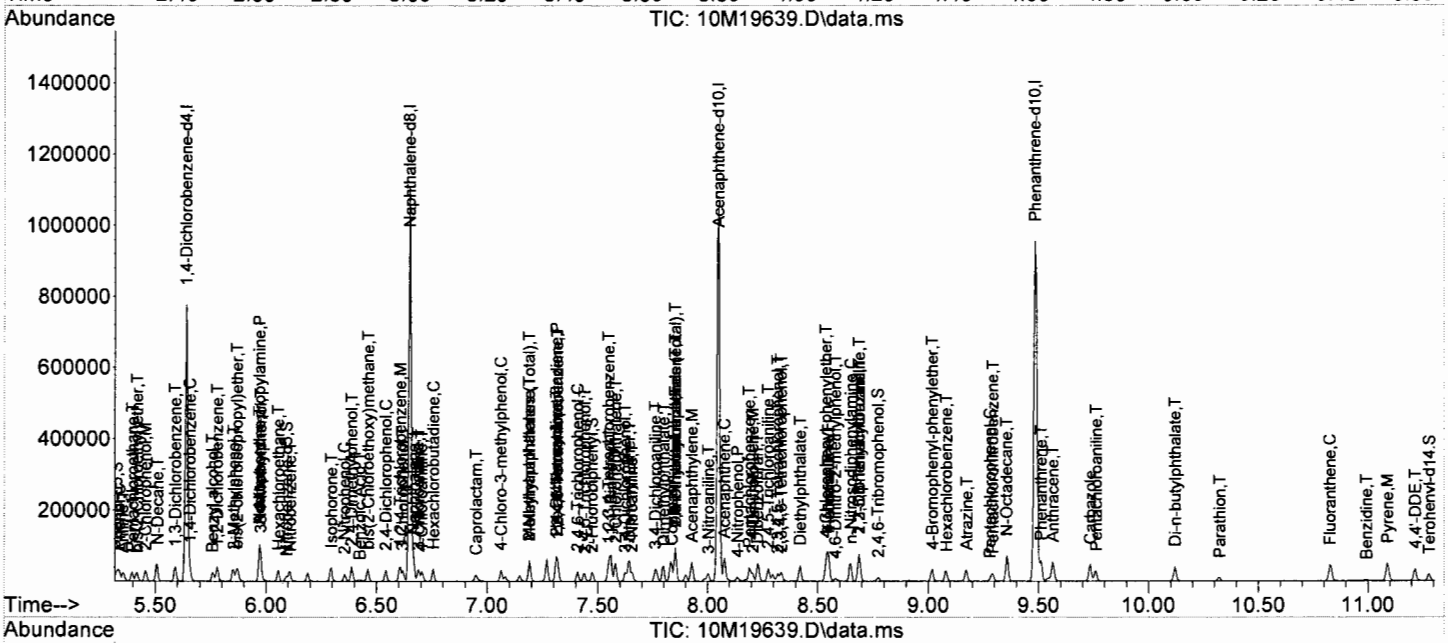
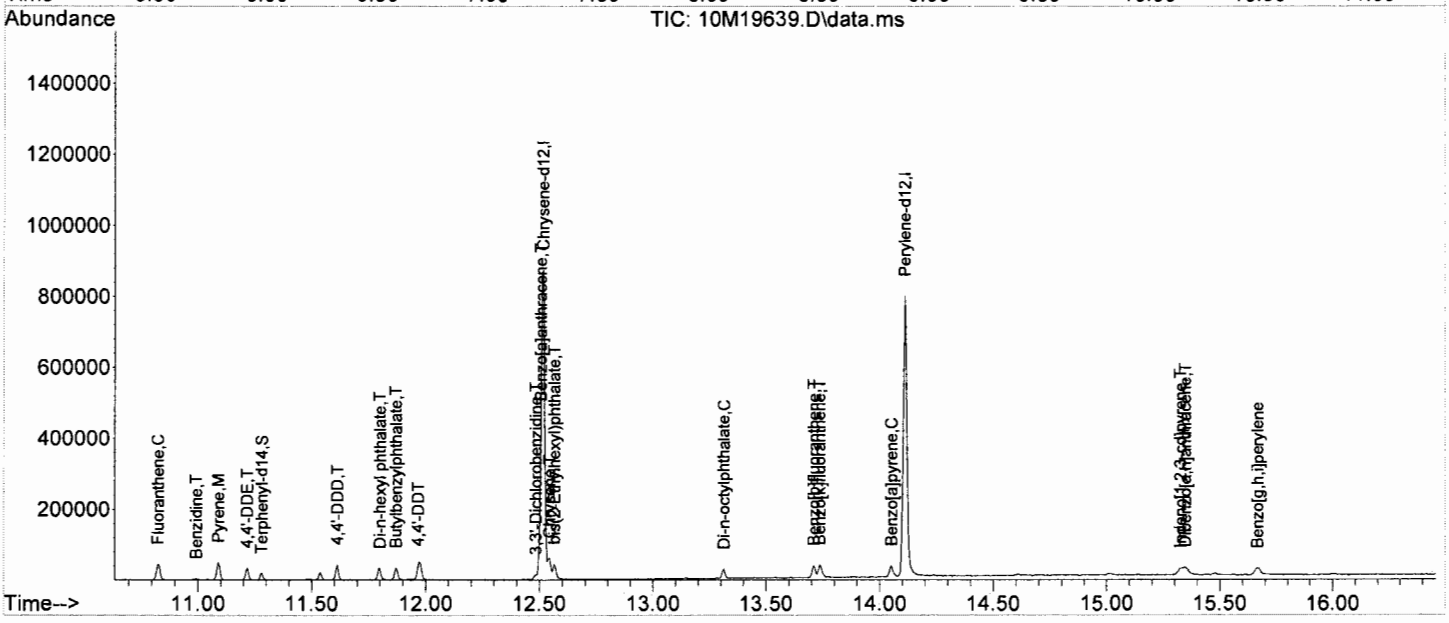
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M19639.D
Acq On : 03/ 2/11 15:31
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 10M19639.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
3-Nitroaniline,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M19639.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19641.D Sam Mult : 1 Vial# : 5 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:16 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.639	152	92752	40.00	ng	0.00
31) Naphthalene-d8	6.650	136	378480	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	221120	40.00	ng	0.00
85) Phenanthrene-d10	9.484	188	347961	40.00	ng	-0.01
102) Chrysene-d12	12.517	240	318432	40.00	ng	-0.01
115) Perylene-d12	14.111	264	279946	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	30831	9.70	ng	0.00
Spiked Amount 100.000			Recovery = 9.70%			
16) Phenol-d5	5.329	99	41078	10.12	ng	-0.02
Spiked Amount 100.000			Recovery = 10.12%			
32) Nitrobenzene-d5	6.093	128	8206	5.25	ng	0.00
Spiked Amount 50.000			Recovery = 10.50%			
56) 2-Fluorobiphenyl	7.473	172	35362	5.22	ng	0.00
Spiked Amount 50.000			Recovery = 10.44%			
88) 2,4,6-Tribromophenol	8.773	330	6297	10.14	ng	-0.01
Spiked Amount 100.000			Recovery = 10.14%			
105) Terphenyl-d14	11.276	244	31884	5.07	ng	-0.01
Spiked Amount 50.000			Recovery = 10.14%			
Target Compounds						Qvalue
8) Pyridine	2.825	79	35689	9.69	ng	98
9) N-Nitrosodimethylamine	2.740	74	21792	9.70	ng	100
11) Chloroacetamide	4.692	93	7087	9.14	ng	38
12) Benzaldehyde	5.264	77	23056	12.35	ng	79
13) Aniline	5.355	93	41263	8.87	ng	84
14) Pentachloroethane	5.398	117	11543	10.03	ng	85
15) bis(2-Chloroethyl)ether	5.419	93	35728	10.94	ng	92
17) Phenol	5.339	94	46115	10.11	ng	90
18) 2-Chlorophenol	5.457	128	33074	10.17	ng	91
19) N-Decane	5.510	57	50352	9.76	ng	96
20) 3-Chlorophenol	6.618	128	35752	10.72	ng	96
21) 1,3-Dichlorobenzene	5.591	146	37589	10.79	ng	97
22) 1,4-Dichlorobenzene	5.655	146	38071	10.89	ng	96
23) 1,2-Dichlorobenzene	5.778	146	35543	10.57	ng	99
24) Benzyl alcohol	5.756	108	22359	9.98	ng	78
25) bis(2-chloroisopropyl)...	5.869	45	82876	11.16	ng	90
26) 2-Methylphenol	5.853	108	33296	10.66	ng	99
27) Acetophenone	5.970	105	54180	11.38	ng	80
28) Hexachloroethane	6.056	117	15635	10.61	ng	94
29) N-Nitroso-di-n-propyla...	5.970	70	26313	10.95	ng	95
30) 3&4-Methylphenol	5.976	108	35543	11.62	ng	100
33) Nitrobenzene	6.104	77	38859	10.35	ng	89
34) Isophorone	6.297	82	69559	10.40	ng	85
35) 2-Nitrophenol	6.355	139	17866	10.11	ng	89
36) 2,4-Dimethylphenol	6.388	107	35613	10.60	ng	98
37) Benzoic Acid	6.436	105	12931	5.34	ng	87
38) bis(2-Chloroethoxy)met...	6.462	93	43340	10.92	ng	98
39) 2,4-Dichlorophenol	6.543	162	27031	10.53	ng	85
40) 1,2,4-Trichlorobenzene	6.607	180	32385	11.66	ng	98
41) Naphthalene	6.666	128	103516m	10.77	ng	
42) 3-Chloroaniline	6.687	127	40901m	10.52	ng	
43) 4-Chloroaniline	6.703	127	24136m	7.88	ng	
44) Hexachlorobutadiene	6.757	225	14214	10.94	ng	96
45) Caprolactam	6.949	113	11238m	9.54	ng	
46) 4-Chloro-3-methylphenol	7.061	107	30589	10.39	ng	83
47) 2-Methylnaphthalene	7.190	142	66654	10.82	ng	96
48) Methylnaphthalenes (To...	7.190	142	66654	10.82	ng	96
49) 2,4-Dichloroaniline	7.313	161	36219	10.78	ng	96
50) 1,1'-Biphenyl	7.559	154	91464	11.79	ng	95
52) 1,2,4,5-Tetrachloroben...	7.318	216	28905	11.08	ng	96
53) Hexachlorocyclopentadiene	7.313	237	12801	9.60	ng	93
54) 2,4,6-Trichlorophenol	7.409	196	17508	10.03	ng	98
55) 2,4,5-Trichlorophenol	7.436	196	18661	9.82	ng	99
57) 1,2,3,4-Tetrachloroben...	7.548	214	21177	10.00	ng	51
58) 2-Chloronaphthalene	7.580	162	65173	10.56	ng	92
59) 3,4-Dichlorophenol	7.623	162	29695	4.37	ng	97
60) 3,4-Dichloroaniline	7.762	161	30380	8.76	ng	97
61) 1,4-Dimethylnaphthalene	7.853	156	48058	10.52	ng	94
62) Dimethylnaphthalenes (...	7.853	156	48058	10.52	ng	94
63) Diphenyl Ether	7.639	170	50212	10.86	ng	84
64) 2-Nitroaniline	7.655	65	27251	10.00	ng	71
65) Coumarin	7.832	146	30092	11.45	ng	68

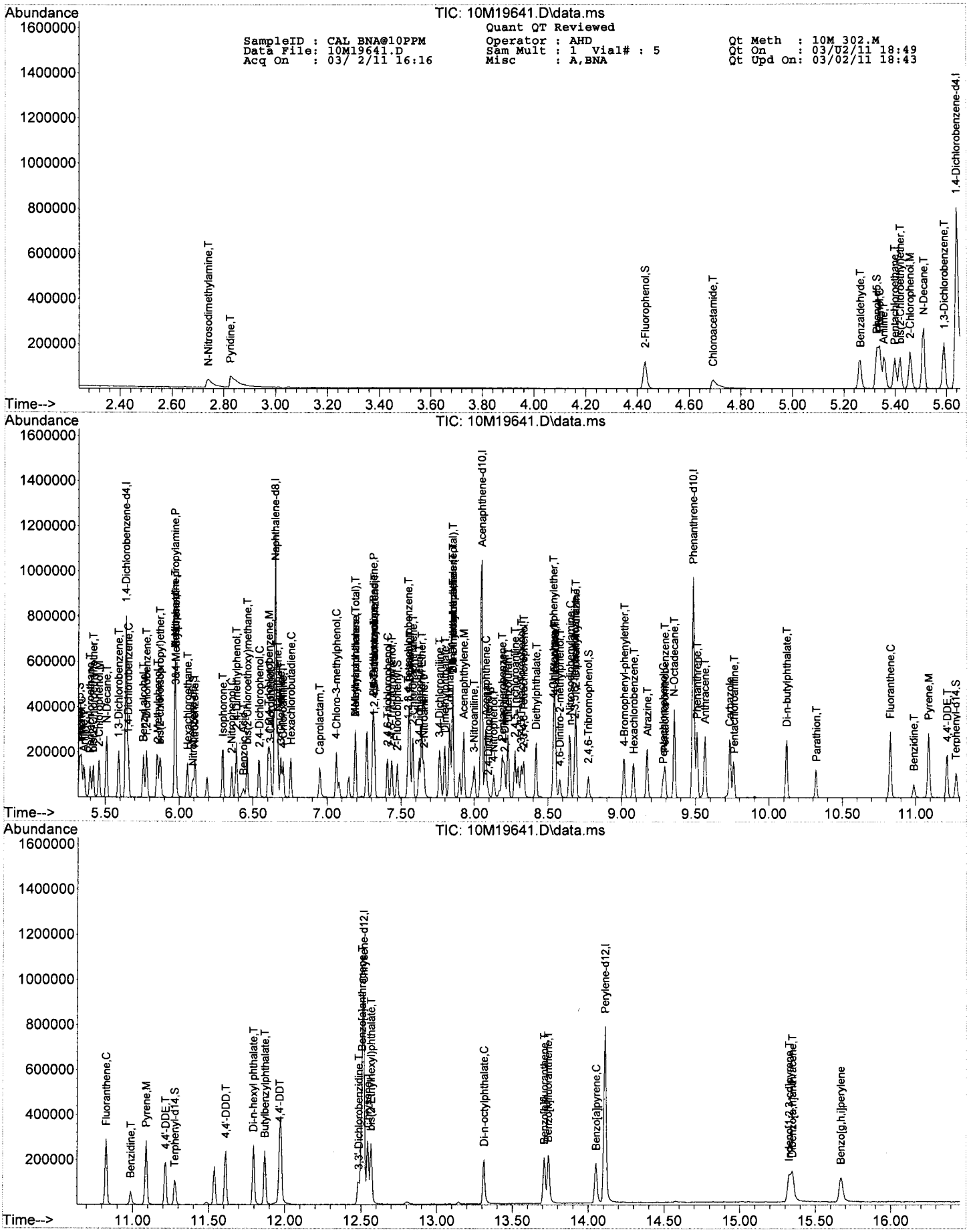
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19641.D Sam Mult : 1 Vial# : 5 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:16 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66) Acenaphthylene	7.928	152	104946	10.80	ng		100
67) Dimethylphthalate	7.800	163	75454	10.68	ng		99
68) 2,6-Dinitrotoluene	7.853	165	16644	11.25	ng		69
69) Acenaphthene	8.078	153	63838	10.68	ng		98
70) 3-Nitroaniline	7.997	138	17569	9.83	ng		82
71) 2,4-Dinitrophenol	8.094	184	4460	5.62	ng		43
72) Pentachlorobenzene	8.190	250	21667	9.72	ng		99
73) Dibenzofuran	8.227	168	93541	10.87	ng		90
74) 2,4,5-Trichloroaniline	8.276	195	25954	9.51	ng		95
75) 2,4-Dinitrotoluene	8.206	165	21445	10.12	ng		69
76) 4-Nitrophenol	8.131	65	14287	8.45	ng		100
77) 2,3,4,5-Tetrachlorophenol	8.318	232	11966m	8.38	ng		
78) 2,3,4,6-Tetrachlorophenol	8.334	232	15465m	11.59	ng		
79) Fluorene	8.543	166	75856	11.02	ng		98
80) 4-Chlorophenyl-phenyle...	8.538	204	32323	11.31	ng		89
81) Diethylphthalate	8.420	149	74892	10.51	ng		98
82) 4-Nitroaniline	8.548	138	20128	9.75	ng		82
83) 2,3,5,6-Tetrachloroani...	8.682	231	20991	9.87	ng		97
84) Atrazine	9.174	200	19050	10.23	ng		96
86) 4,6-Dinitro-2-methylph...	8.580	198	8417	8.47	ng		60
87) n-Nitrosodiphenylamine	8.650	169	62933	10.96	ng		98
89) 1,2-Diphenylhydrazine	8.687	77	85772	10.26	ng		94
90) 4-Bromophenyl-phenylether	9.019	248	15980	10.96	ng		93
91) Hexachlorobenzene	9.083	284	15354	10.83	ng		76
92) N-Octadecane	9.356	57	71121	10.37	ng		92
93) Pentachloronitrobenzene	9.292	237	7082	8.57	ng		89
94) Pentachlorophenol	9.281	266	6733	8.12	ng		95
95) Phenanthrene	9.511	178	101502	10.85	ng		100
96) Anthracene	9.565	178	103132	10.77	ng		98
97) Pentachloroaniline	9.763	265	17320	9.80	ng		95
98) Carbazole	9.730	167	106710	10.91	ng		98
99) Di-n-butylphthalate	10.121	149	119374	10.02	ng		96
100) Parathion	10.324	291	3535	6.35	ng	#	77
101) Fluoranthene	10.827	202	106906	10.74	ng		100
103) Pyrene	11.089	202	112354	10.63	ng		97
104) Benzidine	10.987	184	22547	5.31	ng		96
106) 4,4'-DDE	11.217	246	19433	10.36	ng		93
107) 4,4'-DDD	11.613	235	36276	10.13	ng		84
108) Di-n-hexyl phthalate	11.795	149	121724	8.46	ng		100
109) Butylbenzylphthalate	11.870	149	55332	10.06	ng		79
110) 4,4'-DDT	11.966	235	29281	10.51	ng		87
111) 3,3'-Dichlorobenzidine	12.485	252	18964	8.02	ng		98
112) Benzo[a]anthracene	12.506	228	91627	10.34	ng		99
113) Chrysene	12.544	228	93302	10.99	ng		98
114) bis(2-Ethylhexyl)phtha...	12.565	149	68107	9.49	ng		96
116) Di-n-octylphthalate	13.314	149	100365	8.44	ng		98
117) Benzo[b]fluoranthene	13.710	252	76802	10.13	ng		99
118) Benzo[k]fluoranthene	13.737	252	82042	10.89	ng		95
119) Benzo[a]pyrene	14.052	252	78362	10.60	ng		98
120) Indeno[1,2,3-cd]pyrene	15.325	276	76386	9.86	ng		94
121) Dibenzo[a,h]anthracene	15.347	278	63929	10.17	ng		95
122) Benzo[g,h,i]perylene	15.667	276	66450	9.96	ng		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M19641.D
Acq On : 03/ 2/11 16:16
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19642.D Sam Mult : 1 Vial# : 6 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:38 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.639	152	103561	40.00	ng	0.00
31) Naphthalene-d8	6.649	136	433920	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	246110	40.00	ng	0.00
85) Phenanthrene-d10	9.484	188	400329	40.00	ng	-0.01
102) Chrysene-d12	12.517	240	344035	40.00	ng	-0.01
115) Perylene-d12	14.111	264	311900	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	74305	20.94	ng	0.00
Spiked Amount 100.000			Recovery = 20.94%			
16) Phenol-d5	5.328	99	101317	22.35	ng	-0.02
Spiked Amount 100.000			Recovery = 22.35%			
32) Nitrobenzene-d5	6.093	128	19428	10.83	ng	0.00
Spiked Amount 50.000			Recovery = 21.66%			
56) 2-Fluorobiphenyl	7.473	172	83026	11.02	ng	0.00
Spiked Amount 50.000			Recovery = 22.04%			
88) 2,4,6-Tribromophenol	8.778	330	16549	23.16	ng	0.00
Spiked Amount 100.000			Recovery = 23.16%			
105) Terphenyl-d14	11.281	244	76522	11.27	ng	0.00
Spiked Amount 50.000			Recovery = 22.54%			
Target Compounds						Qvalue
8) Pyridine	2.804	79	85209	20.73	ng	93
9) N-Nitrosodimethylamine	2.729	74	51705	20.61	ng	99
11) Chloroacetamide	4.687	93	18166	20.98	ng	38
12) Benzaldehyde	5.259	77	54623	26.21	ng	82
13) Aniline	5.355	93	109280	21.04	ng	83
14) Pentachloroethane	5.398	117	26376	20.53	ng	88
15) bis(2-Chloroethyl)ether	5.419	93	82511	22.62	ng	96
17) Phenol	5.339	94	112612	22.12	ng	91
18) 2-Chlorophenol	5.457	128	79520	21.90	ng	93
19) N-Decane	5.510	57	109483	19.00	ng	97
20) 3-Chlorophenol	6.617	128	88728	23.83	ng	95
21) 1,3-Dichlorobenzene	5.590	146	84426	21.71	ng	99
22) 1,4-Dichlorobenzene	5.655	146	86776	22.22	ng	98
23) 1,2-Dichlorobenzene	5.778	146	84130	22.41	ng	97
24) Benzyl alcohol	5.756	108	54850	21.93	ng	72
25) bis(2-chloroisopropyl)...	5.869	45	190320	22.96	ng	91
26) 2-Methylphenol	5.853	108	81578	23.40	ng	93
27) Acetophenone	5.970	105	124413	23.41	ng	80
28) Hexachloroethane	6.056	117	36628	22.25	ng	94
29) N-Nitroso-di-n-propyla...	5.970	70	62691	23.36	ng	93
30) 3&4-Methylphenol	5.976	108	80657	23.61	ng	99
33) Nitrobenzene	6.109	77	90984	21.15	ng	82
34) Isophorone	6.296	82	170397	22.22	ng	88
35) 2-Nitrophenol	6.355	139	44511	21.96	ng	87
36) 2,4-Dimethylphenol	6.387	107	85699	22.25	ng	100
37) Benzoic Acid	6.452	105	48180	17.35	ng	86
38) bis(2-Chloroethoxy)met...	6.462	93	100110	22.01	ng	97
39) 2,4-Dichlorophenol	6.543	162	66155	22.47	ng	87
40) 1,2,4-Trichlorobenzene	6.607	180	70780	22.23	ng	99
41) Naphthalene	6.666	128	239653m	21.75	ng	
42) 3-Chloroaniline	6.687	127	99448	22.30	ng	99
43) 4-Chloroaniline	6.703	127	71447m	20.35	ng	
44) Hexachlorobutadiene	6.756	225	32212	21.63	ng	95
45) Caprolactam	6.960	113	30573m	22.65	ng	
46) 4-Chloro-3-methylphenol	7.067	107	75484	22.37	ng	84
47) 2-Methylnaphthalene	7.190	142	162125	22.95	ng	99
48) Methylnaphthalenes (To...	7.190	142	162125	22.95	ng	99
49) 2,4-Dichloroaniline	7.313	161	81582	21.18	ng	97
50) 1,1'-Biphenyl	7.559	154	213760	24.04	ng	95
52) 1,2,4,5-Tetrachloroben...	7.323	216	64115	22.09	ng	98
53) Hexachlorocyclopentadiene	7.313	237	32232	21.72	ng	96
54) 2,4,6-Trichlorophenol	7.409	196	43679	22.49	ng	98
55) 2,4,5-Trichlorophenol	7.441	196	47972	22.67	ng	99
57) 1,2,3,4-Tetrachloroben...	7.548	214	49003	20.79	ng	53
58) 2-Chloronaphthalene	7.580	162	154790	22.52	ng	92
59) 3,4-Dichlorophenol	7.628	162	72857	9.64	ng	98
60) 3,4-Dichloroaniline	7.762	161	75080	19.46	ng	100
61) 1,4-Dimethylnaphthalene	7.853	156	111288	21.88	ng	95
62) Dimethylnaphthalenes (...	7.853	156	111288	21.88	ng	95
63) Diphenyl Ether	7.644	170	113146	21.99	ng	82
64) 2-Nitroaniline	7.655	65	68568	22.61	ng	79
65) Coumarin	7.837	146	72934	24.94	ng	85

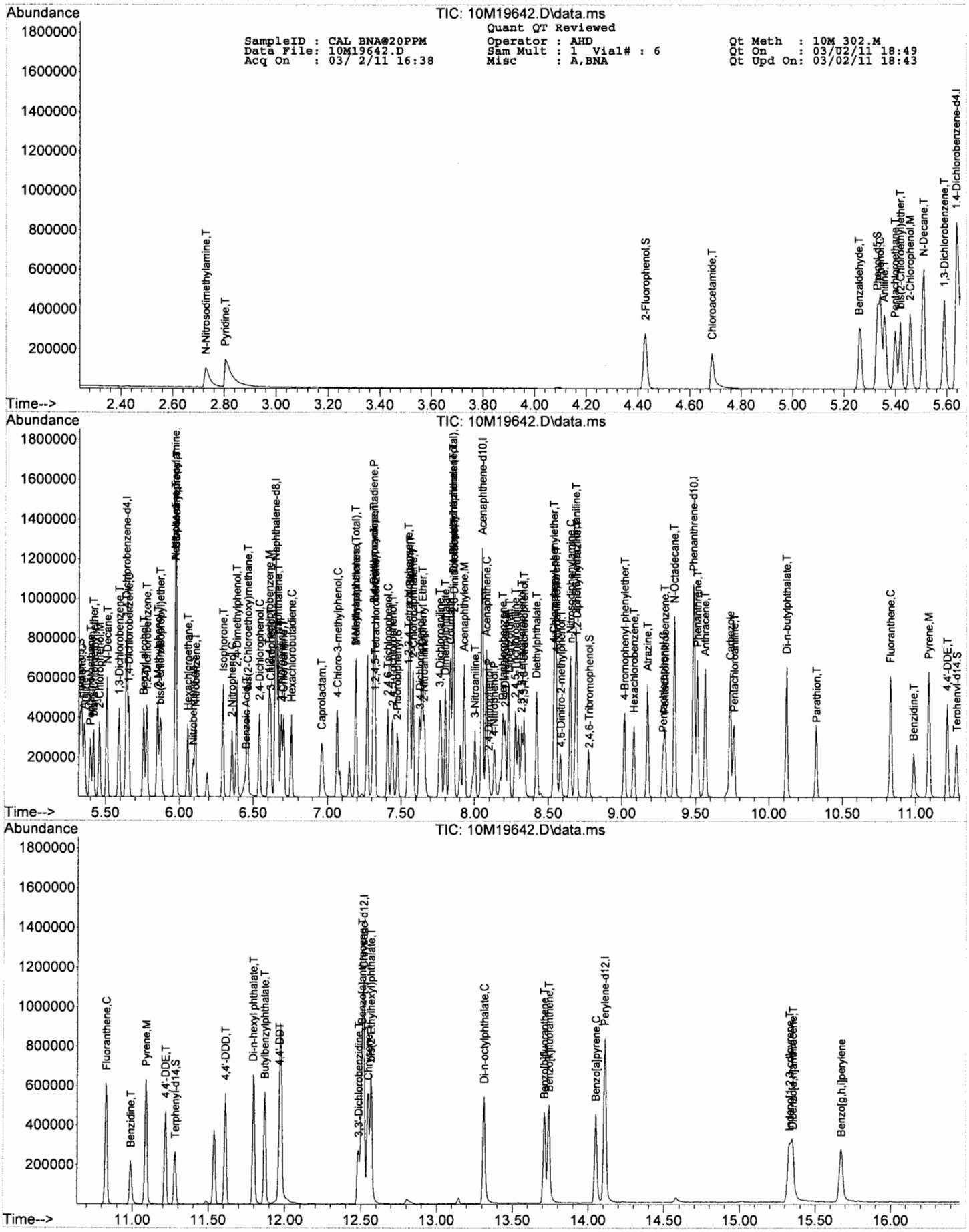
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19642.D Sam Mult : 1 Vial# : 6 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:38 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.928	152	246622	22.81	ng	100
67) Dimethylphthalate	7.799	163	224464	28.53	ng	99
68) 2,6-Dinitrotoluene	7.858	165	39211	23.81	ng	65
69) Acenaphthene	8.078	153	148361	22.31	ng	98
70) 3-Nitroaniline	8.003	138	43318	21.77	ng	79
71) 2,4-Dinitrophenol	8.094	184	16102	18.24	ng	50
72) Pentachlorobenzene	8.190	250	50366	20.30	ng	99
73) Dibenzofuran	8.233	168	209026	21.83	ng	89
74) 2,4,5-Trichloroaniline	8.275	195	60803	20.01	ng	97
75) 2,4-Dinitrotoluene	8.206	165	52483	22.25	ng	76
76) 4-Nitrophenol	8.131	65	39205	20.83	ng	98
77) 2,3,4,5-Tetrachlorophenol	8.318	232	37053m	23.33	ng	
78) 2,3,4,6-Tetrachlorophenol	8.334	232	31449m	21.18	ng	
79) Fluorene	8.548	166	168163	21.94	ng	99
80) 4-Chlorophenyl-phenyle...	8.538	204	71846	22.58	ng	94
81) Diethylphthalate	8.420	149	175573	22.14	ng	99
82) 4-Nitroaniline	8.554	138	49662	21.61	ng	81
83) 2,3,5,6-Tetrachloroani...	8.687	231	50281	21.25	ng	98
84) Atrazine	9.174	200	46670	22.52	ng	96
86) 4,6-Dinitro-2-methylph...	8.586	198	23968	20.96	ng	57
87) n-Nitrosodiphenylamine	8.650	169	152072	23.02	ng	97
89) 1,2-Diphenylhydrazine	8.693	77	197943	20.58	ng	89
90) 4-Bromophenyl-phenylether	9.019	248	37661	22.45	ng	98
91) Hexachlorobenzene	9.083	284	35591	21.82	ng	85
92) N-Octadecane	9.356	57	171592	21.75	ng	94
93) Pentachloronitrobenzene	9.292	237	17860	18.77	ng	96
94) Pentachlorophenol	9.281	266	20837	21.86	ng	99
95) Phenanthrene	9.511	178	238306	22.15	ng	99
96) Anthracene	9.565	178	242030	21.97	ng	99
97) Pentachloroaniline	9.762	265	39864	19.61	ng	98
98) Carbazole	9.736	167	249779	22.20	ng	98
99) Di-n-butylphthalate	10.121	149	301635	22.00	ng	97
100) Parathion	10.324	291	11081m	17.31	ng	
101) Fluoranthene	10.827	202	237835	20.76	ng	96
103) Pyrene	11.089	202	254072	22.24	ng	97
104) Benzidine	10.987	184	82735	18.05	ng	94
106) 4,4'-DDE	11.217	246	46377	22.89	ng	90
107) 4,4'-DDD	11.613	235	88443	22.85	ng	85
108) Di-n-hexyl phthalate	11.795	149	318523	20.50	ng	100
109) Butylbenzylphthalate	11.870	149	134312	22.60	ng	79
110) 4,4'-DDT	11.966	235	73168	24.31	ng	89
111) 3,3'-Dichlorobenzidine	12.485	252	54183	21.22	ng	99
112) Benzo[a]anthracene	12.506	228	202449	21.14	ng	99
113) Chrysene	12.549	228	206515	22.51	ng	98
114) bis(2-Ethylhexyl)phtha...	12.565	149	173525	22.37	ng	97
116) Di-n-octylphthalate	13.314	149	281215	21.24	ng	99
117) Benzo[b]fluoranthene	13.710	252	177722	21.03	ng	97
118) Benzo[k]fluoranthene	13.742	252	197406	23.52	ng	98
119) Benzo[a]pyrene	14.052	252	178556	21.69	ng	98
120) Indeno[1,2,3-cd]pyrene	15.330	276	180370	20.90	ng	98
121) Dibenzo[a,h]anthracene	15.352	278	144590	20.64	ng	99
122) Benzo[g,h,i]perylene	15.673	276	154845	20.83	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 10M19642.D
Acq On : 03/ 2/11 16:38
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->

Abundance
TIC: 10M19642.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Acenaphthene-d10,I
Acenaphthene,C
3-Nitroaniline,T
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Pentachlorophenol,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 10M19642.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine
Benzo(a)anthracene
Chrysene
Bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19643.D Sam Mult : 1 Vial# : 7 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:00 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	98686	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	402568	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	230737	40.00	ng	0.00
85) Phenanthrene-d10	9.489	188	372828	40.00	ng	0.00
102) Chrysene-d12	12.522	240	309915	40.00	ng	0.00
115) Perylene-d12	14.116	264	285279	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	284829	84.25	ng	0.00
Spiked Amount 100.000			Recovery = 84.25%			
16) Phenol-d5	5.334	99	354336	82.04	ng	-0.01
Spiked Amount 100.000			Recovery = 82.04%			
32) Nitrobenzene-d5	6.093	128	70191	42.19	ng	0.00
Spiked Amount 50.000			Recovery = 84.38%			
56) 2-Fluorobiphenyl	7.478	172	279662	39.59	ng	0.00
Spiked Amount 50.000			Recovery = 79.18%			
88) 2,4,6-Tribromophenol	8.778	330	55483	83.36	ng	0.00
Spiked Amount 100.000			Recovery = 83.36%			
105) Terphenyl-d14	11.281	244	255559	41.79	ng	0.00
Spiked Amount 50.000			Recovery = 83.58%			
Target Compounds						Qvalue
8) Pyridine	2.793	79	330443	84.37	ng	96
9) N-Nitrosodimethylamine	2.729	74	198812	83.14	ng	100
11) Chloroacetamide	4.708	93	75133	91.07	ng	42
12) Benzaldehyde	5.264	77	169486	85.34	ng	76
13) Aniline	5.360	93	434979	87.90	ng	78
14) Pentachloroethane	5.398	117	93024	75.98	ng	88
15) bis(2-Chloroethyl)ether	5.425	93	278285	80.06	ng	91
17) Phenol	5.344	94	385929	79.55	ng	95
18) 2-Chlorophenol	5.462	128	282616	81.68	ng	90
19) N-Decane	5.510	57	377471	68.75	ng	97
20) 3-Chlorophenol	6.617	128	296168	83.49	ng	94
21) 1,3-Dichlorobenzene	5.590	146	295547	79.74	ng	99
22) 1,4-Dichlorobenzene	5.655	146	290042	77.94	ng	99
23) 1,2-Dichlorobenzene	5.778	146	284994	79.66	ng	99
24) Benzyl alcohol	5.761	108	199891	83.85	ng	76
25) bis(2-chloroisopropyl)...	5.874	45	631339	79.92	ng	91
26) 2-Methylphenol	5.852	108	276137	83.11	ng	95
27) Acetophenone	5.975	105	386848	76.38	ng	80
28) Hexachloroethane	6.056	117	125635	80.10	ng	99
29) N-Nitroso-di-n-propyla...	5.981	70	193761	75.76	ng	91
30) 3&4-Methylphenol	5.981	108	255420	78.48	ng	99
33) Nitrobenzene	6.109	77	311184	77.96	ng	87
34) Isophorone	6.302	82	573607	80.62	ng	91
35) 2-Nitrophenol	6.361	139	161480	85.88	ng	91
36) 2,4-Dimethylphenol	6.393	107	288599	80.78	ng	99
37) Benzoic Acid	6.494	105	240731	93.43	ng	90
38) bis(2-Chloroethoxy)met...	6.468	93	329371	78.05	ng	97
39) 2,4-Dichlorophenol	6.542	162	230340	84.34	ng	90
40) 1,2,4-Trichlorobenzene	6.607	180	234440	79.38	ng	99
41) Naphthalene	6.671	128	770067m	75.34	ng	
42) 3-Chloroaniline	6.692	127	440594	106.50	ng	99
43) 4-Chloroaniline	6.708	127	325624m	99.96	ng	
44) Hexachlorobutadiene	6.756	225	106589	77.14	ng	96
45) Caprolactam	6.997	113	107512	85.83	ng	65
46) 4-Chloro-3-methylphenol	7.072	107	255561	81.62	ng	81
47) 2-Methylnaphthalene	7.195	142	519598	79.29	ng	99
48) Methylnaphthalenes (To...	7.195	142	519598	79.29	ng	99
49) 2,4-Dichloroaniline	7.313	161	252361	70.61	ng	97
50) 1,1'-Biphenyl	7.559	154	655095	79.40	ng	97
52) 1,2,4,5-Tetrachloroben...	7.323	216	200163	73.56	ng	99
53) Hexachlorocyclopentadiene	7.313	237	113450	81.55	ng	99
54) 2,4,6-Trichlorophenol	7.409	196	154417	84.81	ng	97
55) 2,4,5-Trichlorophenol	7.441	196	168864	85.12	ng	98
57) 1,2,3,4-Tetrachloroben...	7.553	214	155564	70.41	ng	54
58) 2-Chloronaphthalene	7.585	162	487728	75.70	ng	93
59) 3,4-Dichlorophenol	7.634	162	247641	34.94	ng	96
60) 3,4-Dichloroaniline	7.767	161	208845	57.74	ng	98
61) 1,4-Dimethylnaphthalene	7.858	156	334000	70.05	ng	96
62) Dimethylnaphthalenes (...	7.858	156	334000	70.05	ng	96
63) Diphenyl Ether	7.644	170	357106	74.02	ng	86
64) 2-Nitroaniline	7.660	65	229568	80.74	ng	78
65) Coumarin	7.847	146	221005	80.62	ng	62

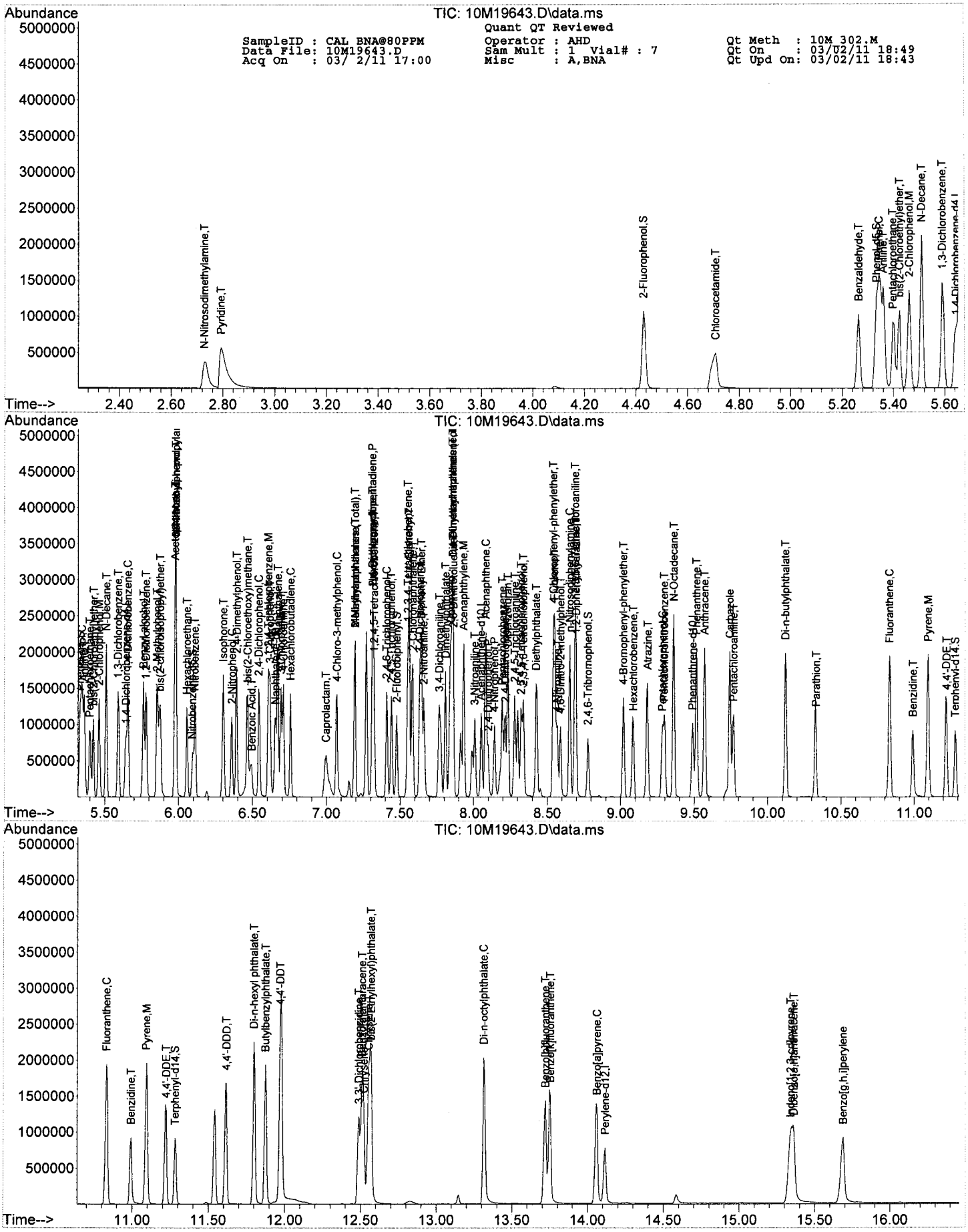
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19643.D Sam Mult : 1 Vial# : 7 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:00 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.933	152	788375	77.76	ng	99
67) Dimethylphthalate	7.810	163	575399	78.02	ng	99
68) 2,6-Dinitrotoluene	7.864	165	120865	78.28	ng	66
69) Acenaphthene	8.083	153	481702	77.26	ng	98
70) 3-Nitroaniline	8.008	138	145142	77.81	ng	78
71) 2,4-Dinitrophenol	8.099	184	74978	90.59	ng	51
72) Pentachlorobenzene	8.195	250	161862	69.60	ng	99
73) Dibenzofuran	8.233	168	663378	73.88	ng	94
74) 2,4,5-Trichloroaniline	8.281	195	195314	68.57	ng	98
75) 2,4-Dinitrotoluene	8.217	165	186552	84.36	ng	69
76) 4-Nitrophenol	8.142	65	145959	82.73	ng	95
77) 2,3,4,5-Tetrachlorophenol	8.323	232	131489m	88.29	ng	
78) 2,3,4,6-Tetrachlorophenol	8.340	232	89913m	64.57	ng	
79) Fluorene	8.548	166	540662	75.26	ng	98
80) 4-Chlorophenyl-phenyle...	8.543	204	225585	75.62	ng	95
81) Diethylphthalate	8.425	149	586878	78.95	ng	99
82) 4-Nitroaniline	8.570	138	173006	80.29	ng	81
83) 2,3,5,6-Tetrachloroani...	8.693	231	157653	71.08	ng	98
84) Atrazine	9.185	200	156805	80.70	ng	98
86) 4,6-Dinitro-2-methylph...	8.591	198	98199	92.21	ng	41
87) n-Nitrosodiphenylamine	8.655	169	485347	78.90	ng	97
89) 1,2-Diphenylhydrazine	8.698	77	626991	70.00	ng	87
90) 4-Bromophenyl-phenylether	9.019	248	120079	76.88	ng	94
91) Hexachlorobenzene	9.088	284	116484	76.67	ng	81
92) N-Octadecane	9.361	57	530354	72.17	ng	95
93) Pentachloronitrobenzene	9.297	237	63220	71.36	ng	94
94) Pentachlorophenol	9.286	266	83052	93.54	ng	98
95) Phenanthrene	9.516	178	768815	76.73	ng	99
96) Anthracene	9.570	178	781201	76.13	ng	99
97) Pentachloroaniline	9.768	265	130637	69.02	ng	98
98) Carbazole	9.741	167	815104	77.79	ng	99
99) Di-n-butylphthalate	10.121	149	1010917	79.18	ng	98
100) Parathion	10.329	291	42709	71.62	ng	94
101) Fluoranthene	10.832	202	828421	77.65	ng	99
103) Pyrene	11.094	202	832283	80.87	ng	96
104) Benzidine	10.992	184	344816	83.49	ng	90
106) 4,4'-DDE	11.222	246	152424	83.52	ng	91
107) 4,4'-DDD	11.618	235	294103	84.35	ng	84
108) Di-n-hexyl phthalate	11.800	149	1096177	78.30	ng	100
109) Butylbenzylphthalate	11.875	149	469760	87.76	ng	78
110) 4,4'-DDT	11.971	235	253914	93.64	ng	90
111) 3,3'-Dichlorobenzidine	12.490	252	220841	95.99	ng	99
112) Benzo[a]anthracene	12.511	228	675279	78.27	ng	99
113) Chrysene	12.554	228	658456	79.66	ng	99
114) bis(2-Ethylhexyl)phtha...	12.570	149	601176	86.04	ng	94
116) Di-n-octylphthalate	13.314	149	1084756	89.56	ng	100
117) Benzo[b]fluoranthene	13.720	252	589382	76.26	ng	98
118) Benzo[k]fluoranthene	13.752	252	641982	83.61	ng	96
119) Benzo[a]pyrene	14.063	252	609914	80.99	ng	96
120) Indeno[1,2,3-cd]pyrene	15.341	276	629771	79.79	ng	96
121) Dibenzo[a,h]anthracene	15.362	278	506546	79.06	ng	98
122) Benzo[g,h,i]perylene	15.689	276	538485	79.21	ng	90

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


Abundance
TIC: 10M19643.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M19643.D
Acq On : 03/ 2/11 17:00
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M 302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19643.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Isophorone,T
2-Nitrophenol,T
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Pentachloroanisole,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 10M19643.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19644.D Sam Mult : 1 Vial# : 8 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:22 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	89707	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	351252	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	196629	40.00	ng	0.00
85) Phenanthrene-d10	9.489	188	320733	40.00	ng	0.00
102) Chrysene-d12	12.522	240	260993	40.00	ng	0.00
115) Perylene-d12	14.116	264	246670	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	365581	118.96	ng	0.00
Spiked Amount 100.000			Recovery = 118.96%			
16) Phenol-d5	5.339	99	448395	114.21	ng	0.00
Spiked Amount 100.000			Recovery = 114.21%			
32) Nitrobenzene-d5	6.098	128	90160	62.11	ng	0.00
Spiked Amount 50.000			Recovery = 124.22%			
56) 2-Fluorobiphenyl	7.478	172	347060	57.66	ng	0.00
Spiked Amount 50.000			Recovery = 115.32%			
88) 2,4,6-Tribromophenol	8.783	330	72092	125.91	ng	0.00
Spiked Amount 100.000			Recovery = 125.91%			
105) Terphenyl-d14	11.287	244	317343	61.62	ng	0.00
Spiked Amount 50.000			Recovery = 123.24%			
Target Compounds						Qvalue
8) Pyridine	2.788	79	407246	114.38	ng	94
9) N-Nitrosodimethylamine	2.729	74	238078	109.53	ng	99
11) Chloroacetamide	4.713	93	94211	125.63	ng	34
12) Benzaldehyde	5.264	77	159391	88.29	ng	73
13) Aniline	5.360	93	529306	117.66	ng	79
14) Pentachloroethane	5.398	117	118665	106.62	ng	88
15) bis(2-Chloroethyl)ether	5.424	93	351571	111.26	ng	94
17) Phenol	5.350	94	481830	109.26	ng	99
18) 2-Chlorophenol	5.462	128	357009	113.51	ng	92
19) N-Decane	5.510	57	465135	93.19	ng	96
20) 3-Chlorophenol	6.617	128	367343	113.91	ng	93
21) 1,3-Dichlorobenzene	5.590	146	375127	111.34	ng	100
22) 1,4-Dichlorobenzene	5.654	146	374806	110.80	ng	97
23) 1,2-Dichlorobenzene	5.783	146	353802	108.79	ng	98
24) Benzyl alcohol	5.761	108	255683	118.00	ng	76
25) bis(2-chloroisopropyl)...	5.874	45	774211	107.82	ng	93
26) 2-Methylphenol	5.858	108	343497	113.73	ng	95
27) Acetophenone	5.975	105	483096	104.94	ng	77
28) Hexachloroethane	6.056	117	160192	112.36	ng	99
29) N-Nitroso-di-n-propyla...	5.981	70	241853	104.03	ng	88
30) 3&4-Methylphenol	5.986	108	317789	107.41	ng	94
33) Nitrobenzene	6.114	77	394750	113.34	ng	81
34) Isophorone	6.302	82	699577	112.68	ng	92
35) 2-Nitrophenol	6.360	139	203116	123.81	ng	91
36) 2,4-Dimethylphenol	6.393	107	373125	119.69	ng	99
37) Benzoic Acid	6.505	105	320664	142.63	ng	88
38) bis(2-Chloroethoxy)met...	6.467	93	409521	111.22	ng	97
39) 2,4-Dichlorophenol	6.548	162	287440	120.62	ng	88
40) 1,2,4-Trichlorobenzene	6.606	180	288035	111.77	ng	100
41) Naphthalene	6.671	128	969435m	108.71	ng	
42) 3-Chloroaniline	6.692	127	506492m	140.31	ng	
43) 4-Chloroaniline	6.708	127	305569m	107.51	ng	
44) Hexachlorobutadiene	6.756	225	139516	115.72	ng	95
45) Caprolactam	7.013	113	151204	138.35	ng	65
46) 4-Chloro-3-methylphenol	7.072	107	322926	118.21	ng	85
47) 2-Methylnaphthalene	7.195	142	641486	112.20	ng	98
48) Methylnaphthalenes (To...	7.195	142	641486	112.20	ng	98
49) 2,4-Dichloroaniline	7.313	161	306563	98.30	ng	97
50) 1,1'-Biphenyl	7.564	154	802077	111.42	ng	94
52) 1,2,4,5-Tetrachloroben...	7.323	216	248362	107.11	ng	97
53) Hexachlorocyclopentadiene	7.313	237	144741	122.09	ng	98
54) 2,4,6-Trichlorophenol	7.414	196	188975	121.79	ng	99
55) 2,4,5-Trichlorophenol	7.446	196	202984	120.06	ng	99
57) 1,2,3,4-Tetrachloroben...	7.553	214	189040	100.41	ng	54
58) 2-Chloronaphthalene	7.585	162	606811	110.52	ng	94
59) 3,4-Dichlorophenol	7.633	162	289176	47.88	ng	96
60) 3,4-Dichloroaniline	7.767	161	200910	65.18	ng	98
61) 1,4-Dimethylnaphthalene	7.858	156	399508	98.32	ng	97
62) Dimethylnaphthalenes (...	7.858	156	399508	98.32	ng	97
63) Diphenyl Ether	7.644	170	431017	104.83	ng	88
64) 2-Nitroaniline	7.660	65	277357	114.47	ng	78
65) Coumarin	7.847	146	264992	113.44	ng	63

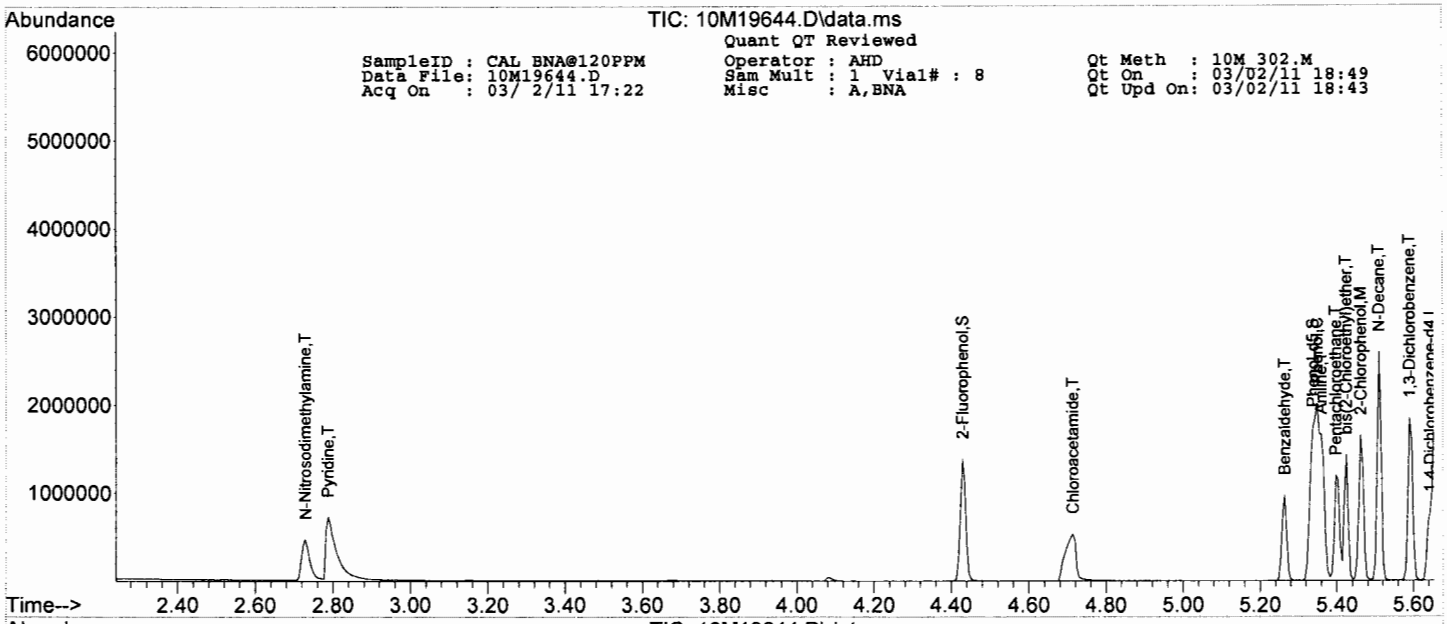
Quantitation Report (QT Reviewed)

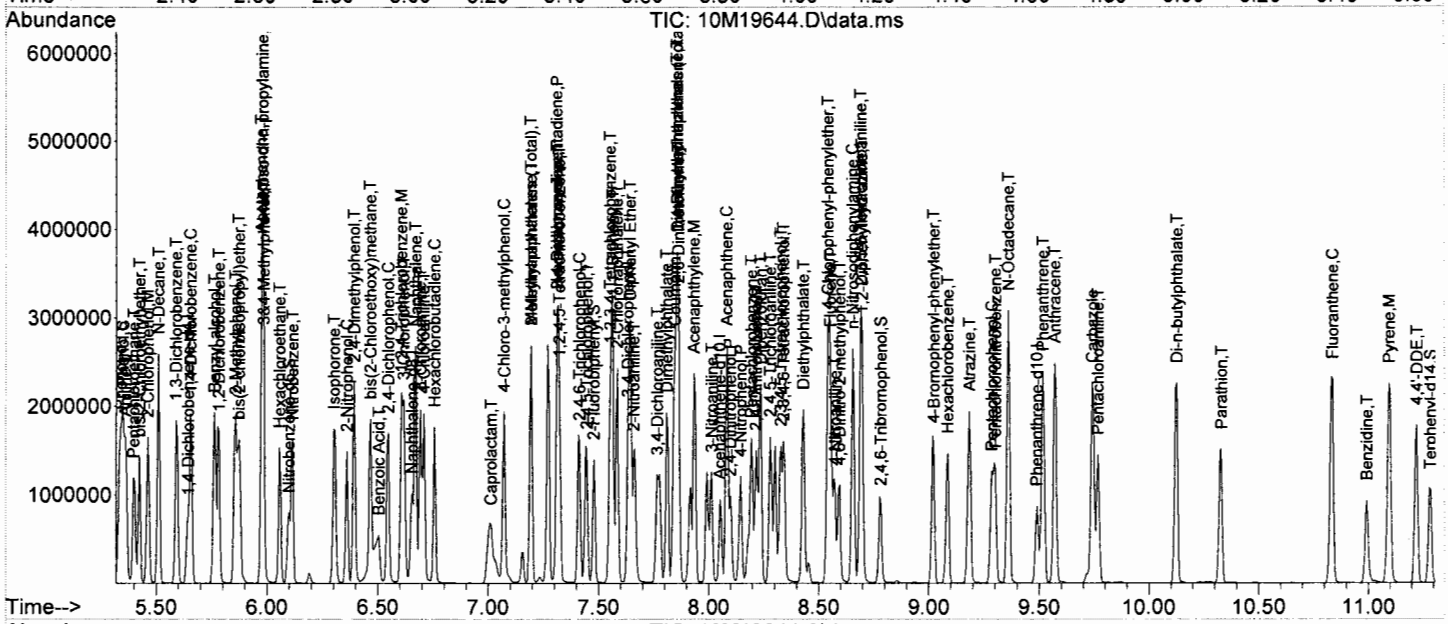
SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19644.D Sam Mult : 1 Vial# : 8 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:22 Misc : A,BNA Qt Upd On: 03/02/11 18:43

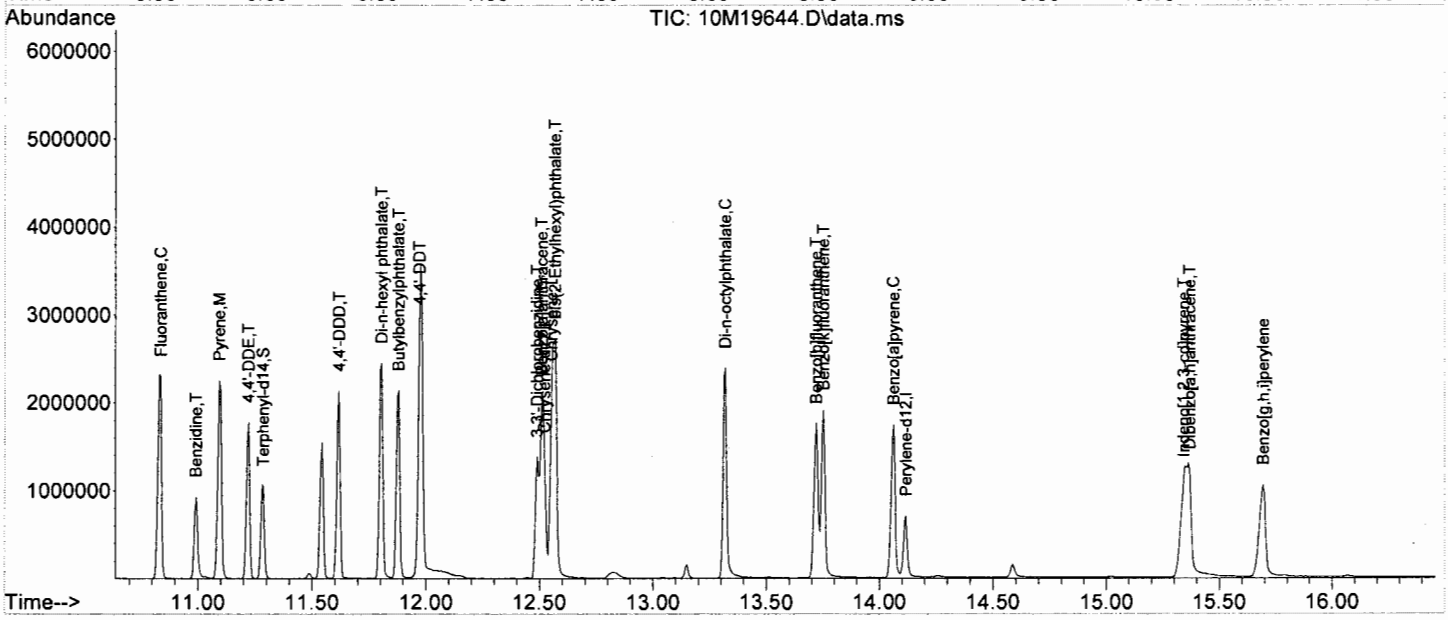
Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.933	152	953973	110.42 ng	100
67) Dimethylphthalate	7.810	163	689621	109.72 ng	99
68) 2,6-Dinitrotoluene	7.863	165	145144	110.31 ng	72
69) Acenaphthene	8.083	153	578376	108.85 ng	98
70) 3-Nitroaniline	8.013	138	174322	109.66 ng	77
71) 2,4-Dinitrophenol	8.099	184	98774	140.04 ng	63
72) Pentachlorobenzene	8.195	250	198184	100.00 ng	99
73) Dibenzofuran	8.238	168	821253	107.33 ng	92
74) 2,4,5-Trichloroaniline	8.281	195	235105	96.85 ng	98
75) 2,4-Dinitrotoluene	8.216	165	230620	122.38 ng	75
76) 4-Nitrophenol	8.147	65	183812	122.26 ng	91
77) 2,3,4,5-Tetrachlorophenol	8.329	232	154940m	122.08 ng	
78) 2,3,4,6-Tetrachlorophenol	8.339	232	130874m	110.30 ng	
79) Fluorene	8.553	166	670458	109.51 ng	99
80) 4-Chlorophenyl-phenyle...	8.543	204	287198	112.97 ng	96
81) Diethylphthalate	8.430	149	727652	114.86 ng	100
82) 4-Nitroaniline	8.575	138	222341	121.09 ng	79
83) 2,3,5,6-Tetrachloroani...	8.692	231	198005	104.75 ng	98
84) Atrazine	9.185	200	195420	118.01 ng	97
86) 4,6-Dinitro-2-methylph...	8.596	198	130056	141.95 ng	48
87) n-Nitrosodiphenylamine	8.655	169	623817	117.88 ng	98
89) 1,2-Diphenylhydrazine	8.698	77	840192	109.04 ng	90
90) 4-Bromophenyl-phenylether	9.024	248	153262	114.06 ng	94
91) Hexachlorobenzene	9.088	284	149071	114.05 ng	85
92) N-Octadecane	9.361	57	651595	103.07 ng	97
93) Pentachloronitrobenzene	9.302	237	81067	106.37 ng	96
94) Pentachlorophenol	9.286	266	105626	138.28 ng	96
95) Phenanthrene	9.516	178	947646	109.94 ng	99
96) Anthracene	9.570	178	981512	111.18 ng	100
97) Pentachloroaniline	9.768	265	162269	99.65 ng	99
98) Carbazole	9.741	167	1018906	113.03 ng	99
99) Di-n-butylphthalate	10.126	149	1251635	113.95 ng	98
100) Parathion	10.329	291	53601	104.48 ng	95
101) Fluoranthene	10.837	202	1036953	112.98 ng	94
103) Pyrene	11.094	202	1031330	119.00 ng	95
104) Benzidine	10.992	184	364429	104.78 ng	91
106) 4,4'-DDE	11.222	246	192327	125.14 ng	92
107) 4,4'-DDD	11.618	235	359010	122.27 ng	83
108) Di-n-hexyl phthalate	11.805	149	1331980	112.97 ng	100
109) Butylbenzylphthalate	11.880	149	570334	126.52 ng	76
110) 4,4'-DDT	11.971	235	298776	130.84 ng	92
111) 3,3'-Dichlorobenzidine	12.490	252	252110	130.12 ng	98
112) Benzo[a]anthracene	12.511	228	846314	116.49 ng	99
113) Chrysene	12.554	228	774066	111.20 ng	100
114) bis(2-Ethylhexyl)phtha...	12.570	149	743304	126.32 ng	96
116) Di-n-octylphthalate	13.319	149	1310151	125.10 ng	99
117) Benzo[b]fluoranthene	13.720	252	779660m	116.67 ng	
118) Benzo[k]fluoranthene	13.752	252	733449m	110.47 ng	
119) Benzo[a]pyrene	14.063	252	741896	113.93 ng	97
120) Indeno[1,2,3-cd]pyrene	15.341	276	777785	113.97 ng	94
121) Dibenzo[a,h]anthracene	15.368	278	622669	112.40 ng	98
122) Benzo[g,h,i]perylene	15.694	276	675101	114.85 ng	89

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


Abundance
TIC: 10M19644.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M19644.D
Acq On : 03/ 2/11 17:22
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19644.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
Benzoic Acid,T
Hexachlorocyclopentadiene,T
Acenaphthylene,M
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M19644.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19645.D Sam Mult : 1 Vial# : 9 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:45 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	87799	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	353874	40.00	ng	0.00
51) Acenaphthene-d10	8.056	164	201011	40.00	ng	0.00
85) Phenanthrene-d10	9.490	188	326848	40.00	ng	0.00
102) Chrysene-d12	12.528	240	264434	40.00	ng	0.00
115) Perylene-d12	14.116	264	246721	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.435	112	464306	154.37	ng	0.00
Spiked Amount 100.000			Recovery =	154.37%		
16) Phenol-d5	5.339	99	568386	147.91	ng	0.00
Spiked Amount 100.000			Recovery =	147.91%		
32) Nitrobenzene-d5	6.098	128	119430	81.66	ng	0.00
Spiked Amount 50.000			Recovery =	163.32%		
56) 2-Fluorobiphenyl	7.478	172	446505	72.56	ng	0.00
Spiked Amount 50.000			Recovery =	145.12%		
88) 2,4,6-Tribromophenol	8.784	330	95588	163.82	ng	0.00
Spiked Amount 100.000			Recovery =	163.82%		
105) Terphenyl-d14	11.287	244	420179	80.53	ng	0.00
Spiked Amount 50.000			Recovery =	161.06%		
Target Compounds						Qvalue
8) Pyridine	2.788	79	525169	150.71	ng	95
9) N-Nitrosodimethylamine	2.734	74	307100	144.35	ng	94
11) Chloroacetamide	4.724	93	125042	170.36	ng	42
12) Benzaldehyde	5.264	77	165571	93.70	ng	77
13) Aniline	5.366	93	636774	144.63	ng	80
14) Pentachloroethane	5.403	117	148175	136.03	ng	88
15) bis(2-Chloroethyl)ether	5.425	93	429227	138.79	ng	95
17) Phenol	5.355	94	587487	136.12	ng	88
18) 2-Chlorophenol	5.467	128	446444	145.03	ng	89
19) N-Decane	5.510	57	576791	118.08	ng	98
20) 3-Chlorophenol	6.623	128	470150	148.96	ng	93
21) 1,3-Dichlorobenzene	5.596	146	463982	140.71	ng	97
22) 1,4-Dichlorobenzene	5.660	146	461005	139.25	ng	99
23) 1,2-Dichlorobenzene	5.783	146	437790	137.54	ng	98
24) Benzyl alcohol	5.767	108	320224	150.99	ng	76
25) bis(2-chloroisopropyl)...	5.874	45	923736	131.44	ng	94
26) 2-Methylphenol	5.858	108	438839	148.45	ng	94
27) Acetophenone	5.981	105	600361	133.24	ng	78
28) Hexachloroethane	6.056	117	200526	143.71	ng	99
29) N-Nitroso-di-n-propyla...	5.986	70	301343	132.44	ng	84
30) 3&4-Methylphenol	5.986	108	390970	135.02	ng	97
33) Nitrobenzene	6.115	77	508799	145.00	ng	84
34) Isophorone	6.307	82	927093	148.22	ng	90
35) 2-Nitrophenol	6.361	139	263874	159.65	ng	90
36) 2,4-Dimethylphenol	6.393	107	474101	150.96	ng	97
37) Benzoic Acid	6.516	105	446843	197.28	ng	90
38) bis(2-Chloroethoxy)met...	6.468	93	520856	140.41	ng	98
39) 2,4-Dichlorophenol	6.548	162	369083	153.73	ng	89
40) 1,2,4-Trichlorobenzene	6.607	180	366279	141.08	ng	98
41) Naphthalene	6.671	128	1188954m	132.33	ng	
42) 3-Chloroaniline	6.692	127	583681	160.49	ng	96
43) 4-Chloroaniline	6.714	127	433166m	151.27	ng	
44) Hexachlorobutadiene	6.756	225	174614	143.76	ng	95
45) Caprolactam	7.024	113	197272	179.17	ng	64
46) 4-Chloro-3-methylphenol	7.077	107	419741	152.51	ng	83
47) 2-Methylnaphthalene	7.195	142	802169	139.26	ng	98
48) Methylnaphthalenes (To...	7.195	142	802169	139.26	ng	98
49) 2,4-Dichloroaniline	7.318	161	375939	119.66	ng	97
50) 1,1'-Biphenyl	7.564	154	996266	137.37	ng	95
52) 1,2,4,5-Tetrachloroben...	7.329	216	310621	131.04	ng	98
53) Hexachlorocyclopentadiene	7.318	237	186159	153.61	ng	99
54) 2,4,6-Trichlorophenol	7.414	196	246555	155.44	ng	100
55) 2,4,5-Trichlorophenol	7.446	196	262409	151.83	ng	98
57) 1,2,3,4-Tetrachloroben...	7.553	214	241646	125.55	ng	54
58) 2-Chloronaphthalene	7.585	162	764785	136.25	ng	95
59) 3,4-Dichlorophenol	7.639	162	373920	60.56	ng	96
60) 3,4-Dichloroaniline	7.767	161	217048	68.88	ng	97
61) 1,4-Dimethylnaphthalene	7.864	156	500195	120.42	ng	95
62) Dimethylnaphthalenes (...	7.864	156	500195	120.42	ng	95
63) Diphenyl Ether	7.644	170	531812	126.53	ng	88
64) 2-Nitroaniline	7.666	65	351712	141.99	ng	72
65) Coumarin	7.858	146	321272	134.53	ng	60

Ne

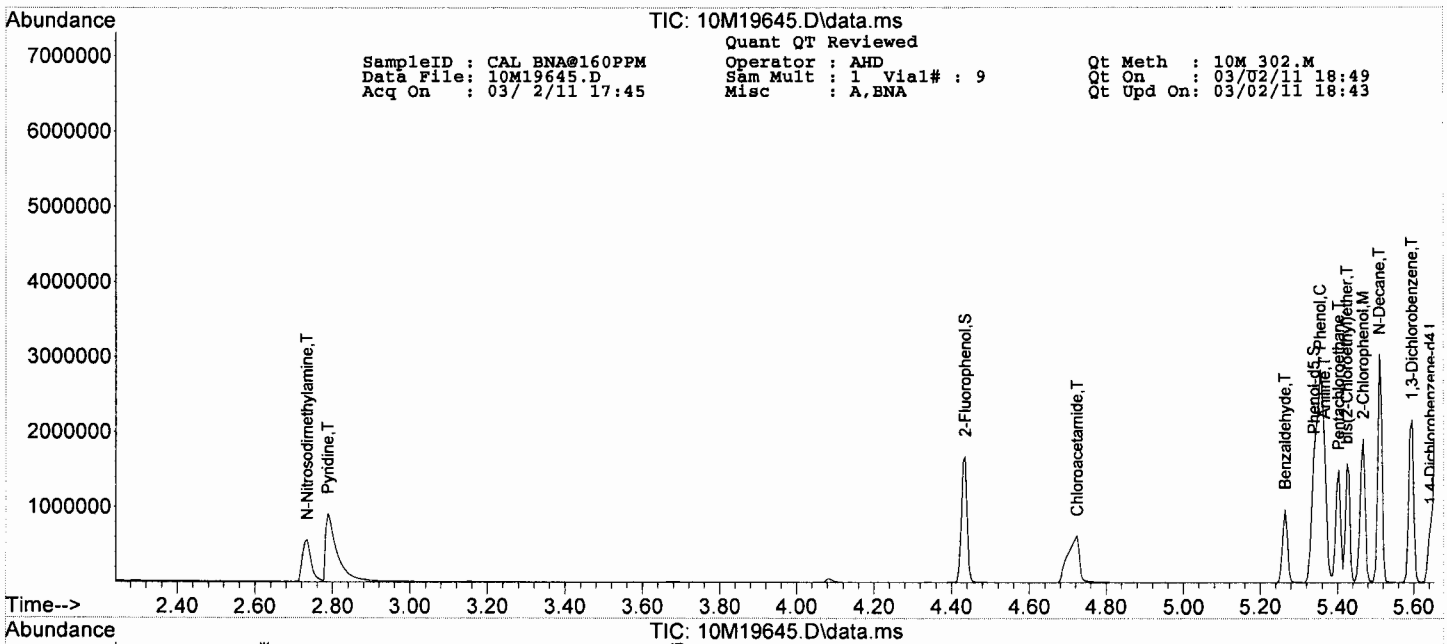
Quantitation Report (QT Reviewed)

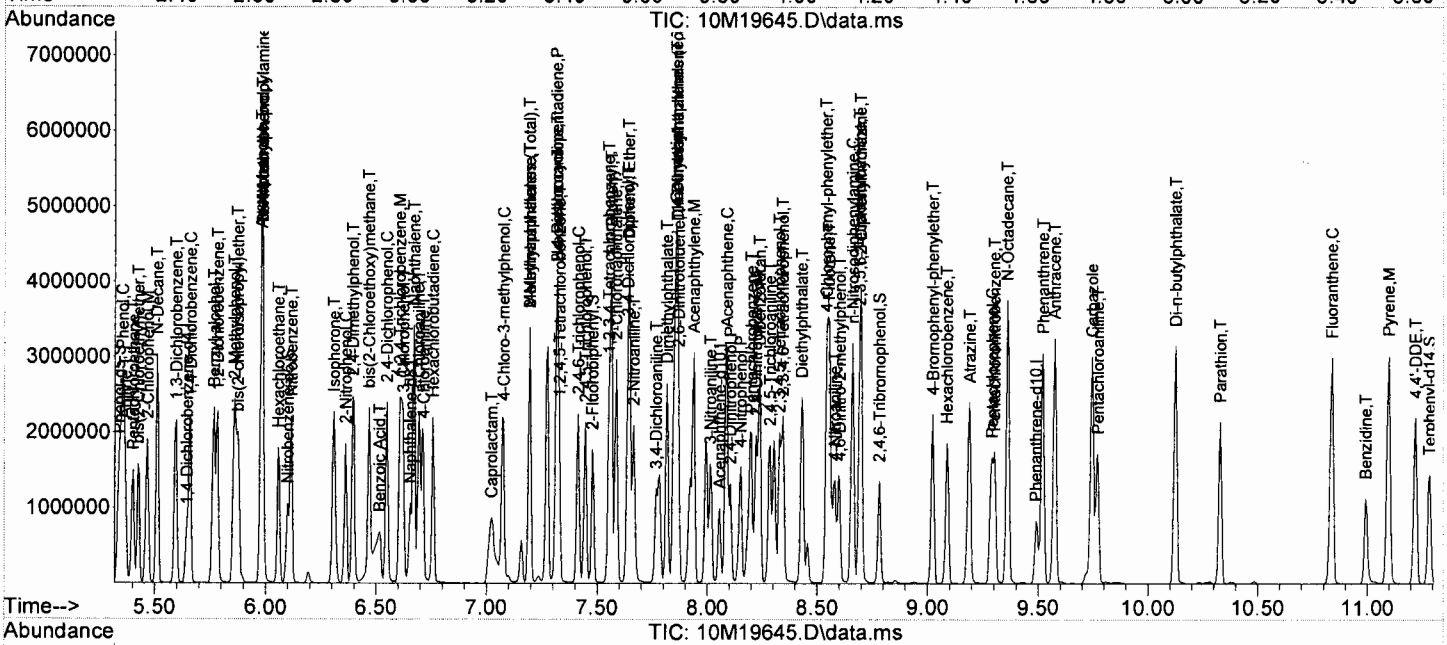
SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19645.D Sam Mult : 1 Vial# : 9 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:45 Misc : A,BNA Qt Upd On: 03/02/11 18:43

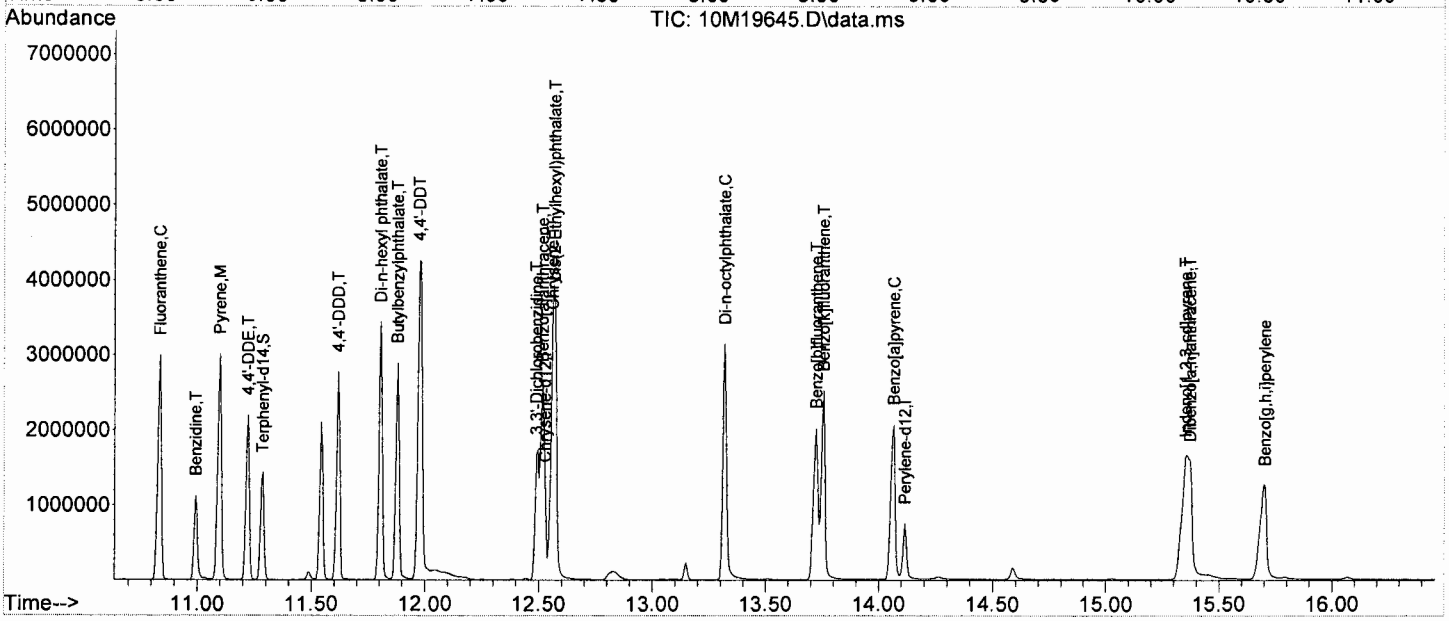
Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.938	152	1222567	138.43 ng	100
67) Dimethylphthalate	7.815	163	909606	141.57 ng	99
68) 2,6-Dinitrotoluene	7.869	165	187870	139.67 ng	66
69) Acenaphthene	8.088	153	768429	141.47 ng	98
70) 3-Nitroaniline	8.013	138	226722	139.51 ng	81
71) 2,4-Dinitrophenol	8.104	184	139278	193.17 ng	51
72) Pentachlorobenzene	8.200	250	262371	129.50 ng	99
73) Dibenzofuran	8.238	168	1030819	131.78 ng	94
74) 2,4,5-Trichloroaniline	8.286	195	285835	115.18 ng	98
75) 2,4-Dinitrotoluene	8.222	165	300578	156.03 ng	75
76) 4-Nitrophenol	8.152	65	261004	169.82 ng	90
77) 2,3,4,5-Tetrachlorophenol	8.329	232	228913m	176.43 ng	
78) 2,3,4,6-Tetrachlorophenol	8.345	232	139542m	115.04 ng	
79) Fluorene	8.554	166	859998	137.41 ng	99
80) 4-Chlorophenyl-phenyle...	8.543	204	370866	142.70 ng	97
81) Diethylphthalate	8.431	149	952613	147.10 ng	99
82) 4-Nitroaniline	8.580	138	287302	153.05 ng	81
83) 2,3,5,6-Tetrachloroani...	8.693	231	250021	129.39 ng	98
84) Atrazine	9.190	200	255598	150.99 ng	97
86) 4,6-Dinitro-2-methylph...	8.602	198	168616	180.60 ng	47
87) n-Nitrosodiphenylamine	8.660	169	788153	146.14 ng	99
89) 1,2-Diphenylhydrazine	8.698	77	1048867	133.57 ng	91
90) 4-Bromophenyl-phenylether	9.024	248	201301	147.01 ng	97
91) Hexachlorobenzene	9.088	284	193619	145.36 ng	89
92) N-Octadecane	9.361	57	794093	123.26 ng	98
93) Pentachloronitrobenzene	9.302	237	104777	134.91 ng	93
94) Pentachlorophenol	9.292	266	141167	181.35 ng	96
95) Phenanthrene	9.522	178	1216665	138.51 ng	99
96) Anthracene	9.575	178	1286339	142.98 ng	99
97) Pentachloroaniline	9.773	265	210479	126.84 ng	98
98) Carbazole	9.746	167	1322642	143.98 ng	99
99) Di-n-butylphthalate	10.126	149	1668697	149.08 ng	98
100) Parathion	10.329	291	73082	139.79 ng	95
101) Fluoranthene	10.837	202	1331958	142.41 ng	97
103) Pyrene	11.099	202	1365827	155.54 ng	93
104) Benzidine	10.993	184	430019	122.03 ng	91
106) 4,4'-DDE	11.222	246	250224	160.69 ng	91
107) 4,4'-DDD	11.618	235	477529	160.52 ng	84
108) Di-n-hexyl phthalate	11.805	149	1758816	147.24 ng	100
109) Butylbenzylphthalate	11.880	149	762294	166.90 ng	77
110) 4,4'-DDT	11.977	235	389113	168.19 ng	92
111) 3,3'-Dichlorobenzidine	12.490	252	310712	158.28 ng	99
112) Benzo[a]anthracene	12.517	228	1087364	147.72 ng	99
113) Chrysene	12.560	228	1025405	145.39 ng	99
114) bis(2-Ethylhexyl)phtha...	12.570	149	953600	159.95 ng	96
116) Di-n-octylphthalate	13.319	149	1752113	167.27 ng	99
117) Benzo[b]fluoranthene	13.726	252	1051853	157.37 ng	98
118) Benzo[k]fluoranthene	13.758	252	939525	141.48 ng	96
119) Benzo[a]pyrene	14.068	252	970871	149.07 ng	96
120) Indeno[1,2,3-cd]pyrene	15.352	276	1022287	149.76 ng	94
121) Dibenzo[a,h]anthracene	15.373	278	812405	146.62 ng	97
122) Benzo[g,h,i]perylene	15.705	276	879495	149.60 ng	88

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


Abundance
TIC: 10M19645.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M19645.D
Acq On : 03/ 2/11 17:45
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M 302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19645.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Naphthalene,C
Hexachlorobutadiene,C
2-Nitroaniline,T
3,4-Dichloroaniline,T
Diethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,T
Dibenzofuran,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Pentachloroanisole,T
Carbazole
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M19645.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Perylene-d12,T
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19646.D Sam Mult : 1 Vial# : 10 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 18:07 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	83815	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	337663	40.00	ng	0.00
51) Acenaphthene-d10	8.056	164	192323	40.00	ng	0.00
85) Phenanthrene-d10	9.495	188	318768	40.00	ng	0.00
102) Chrysene-d12	12.528	240	246090	40.00	ng	0.00
115) Perylene-d12	14.116	264	231986	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.435	112	543083	189.15	ng	0.00
Spiked Amount 100.000			Recovery =	189.15%		
16) Phenol-d5	5.344	99	667732	182.03	ng	0.00
Spiked Amount 100.000			Recovery =	182.03%		
32) Nitrobenzene-d5	6.099	128	137310	98.39	ng	0.00
Spiked Amount 50.000			Recovery =	196.78%		
56) 2-Fluorobiphenyl	7.478	172	523279	88.88	ng	0.00
Spiked Amount 50.000			Recovery =	177.76%		
88) 2,4,6-Tribromophenol	8.784	330	110498	194.17	ng	0.00
Spiked Amount 100.000			Recovery =	194.17%		
105) Terphenyl-d14	11.287	244	477150	98.26	ng	0.00
Spiked Amount 50.000			Recovery =	196.52%		
Target Compounds						Qvalue
8) Pyridine	2.782	79	618819	186.03	ng	94
9) N-Nitrosodimethylamine	2.729	74	360935	177.73	ng	98
11) Chloroacetamide	4.729	93	145437	207.57	ng	41
12) Benzaldehyde	5.264	77	158352	93.88	ng	76
13) Aniline	5.366	93	726480	172.85	ng	81
14) Pentachloroethane	5.403	117	172866	166.25	ng	87
15) bis(2-Chloroethyl)ether	5.430	93	487557	165.14	ng	90
17) Phenol	5.355	94	681818	165.48	ng	87
18) 2-Chlorophenol	5.467	128	537847	183.03	ng	88
19) N-Decane	5.510	57	669659	143.60	ng	98
20) 3-Chlorophenol	6.623	128	541420	179.70	ng	92
21) 1,3-Dichlorobenzene	5.596	146	535805	170.21	ng	97
22) 1,4-Dichlorobenzene	5.660	146	546714	172.99	ng	97
23) 1,2-Dichlorobenzene	5.783	146	493649	162.46	ng	99
24) Benzyl alcohol	5.767	108	370635	183.07	ng	78
25) bis(2-chloroisopropyl)...	5.874	45	1032995	153.97	ng	96
26) 2-Methylphenol	5.858	108	497611	176.34	ng	97
27) Acetophenone	5.981	105	695708	161.74	ng	76
28) Hexachloroethane	6.056	117	230010	172.67	ng	99
29) N-Nitroso-di-n-propyla...	5.986	70	347962	160.19	ng	80
30) 3&4-Methylphenol	5.986	108	447996	162.06	ng	98
33) Nitrobenzene	6.115	77	578853	172.88	ng	85
34) Isophorone	6.312	82	1083581	181.56	ng	88
35) 2-Nitrophenol	6.361	139	305562	193.75	ng	89
36) 2,4-Dimethylphenol	6.398	107	541889	180.83	ng	99
37) Benzoic Acid	6.526	105	539638	249.69	ng	89
38) bis(2-Chloroethoxy)met...	6.468	93	607647	171.67	ng	97
39) 2,4-Dichlorophenol	6.548	162	421918	184.17	ng	90
40) 1,2,4-Trichlorobenzene	6.607	180	421051	169.96	ng	98
41) Naphthalene	6.671	128	1385764m	161.64	ng	
42) 3-Chloroaniline	6.698	127	648615m	186.91	ng	
43) 4-Chloroaniline	6.714	127	512926m	187.72	ng	
44) Hexachlorobutadiene	6.756	225	201846	174.16	ng	95
45) Caprolactam	7.029	113	232901	221.68	ng	65
46) 4-Chloro-3-methylphenol	7.077	107	492205	187.43	ng	85
47) 2-Methylnaphthalene	7.195	142	939619	170.95	ng	100
48) Methylnaphthalenes (To...	7.195	142	939619	170.95	ng	100
49) 2,4-Dichloroaniline	7.318	161	428009	142.77	ng	97
50) 1,1'-Biphenyl	7.564	154	1146393	165.66	ng	96
52) 1,2,4,5-Tetrachloroben...	7.329	216	363142	160.12	ng	98
53) Hexachlorocyclopentadiene	7.318	237	221815	191.30	ng	99
54) 2,4,6-Trichlorophenol	7.414	196	286870	189.02	ng	98
55) 2,4,5-Trichlorophenol	7.446	196	313288	189.45	ng	97
57) 1,2,3,4-Tetrachloroben...	7.553	214	282451	153.38	ng	55
58) 2-Chloronaphthalene	7.585	162	886926	165.15	ng	95
59) 3,4-Dichlorophenol	7.644	162	427025	72.28	ng	96
60) 3,4-Dichloroaniline	7.767	161	224425	74.44	ng	96
61) 1,4-Dimethylnaphthalene	7.864	156	571749	143.86	ng	94
62) Dimethylnaphthalenes (...	7.864	156	571749	143.86	ng	94
63) Diphenyl Ether	7.650	170	611263	152.00	ng	84
64) 2-Nitroaniline	7.666	65	414347	174.83	ng	75
65) Coumarin	7.858	146	363711	159.18	ng	60

16

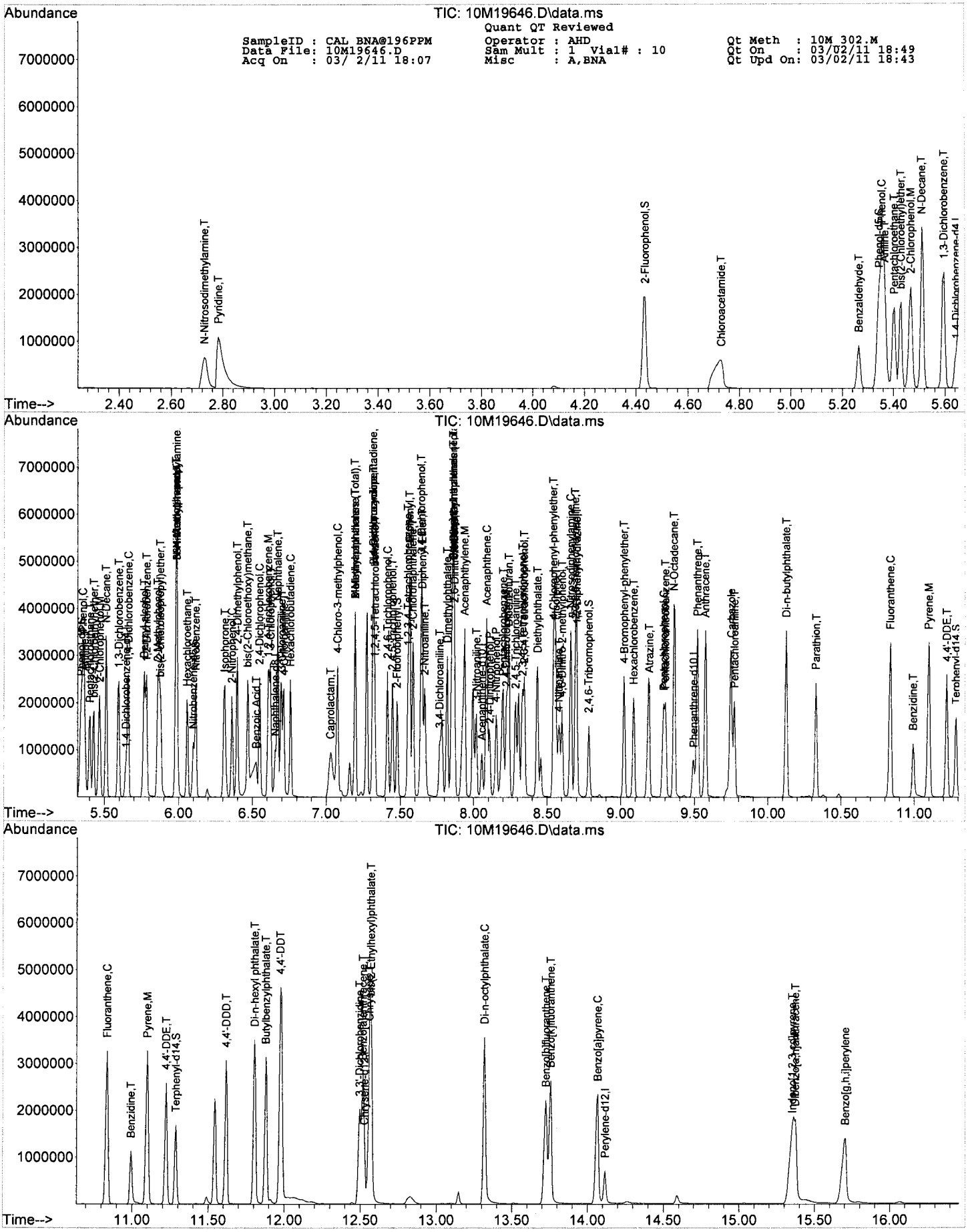
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19646.D Sam Mult : 1 Vial# : 10 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 18:07 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.938	152	1413926	167.32	ng	100
67) Dimethylphthalate	7.821	163	1052676	171.24	ng	99
68) 2,6-Dinitrotoluene	7.869	165	216648	168.34	ng	80
69) Acenaphthene	8.088	153	869431	167.29	ng	98
70) 3-Nitroaniline	8.019	138	253046	162.74	ng	78
71) 2,4-Dinitrophenol	8.110	184	164591	238.59	ng	45
72) Pentachlorobenzene	8.201	250	301093	155.33	ng	99
73) Dibenzofuran	8.238	168	1204011	160.88	ng	94
74) 2,4,5-Trichloroaniline	8.286	195	308042	129.74	ng	98
75) 2,4-Dinitrotoluene	8.222	165	343022	186.10	ng	79
76) 4-Nitrophenol	8.152	65	287999	195.85	ng	95
77) 2,3,4,5-Tetrachlorophenol	8.334	232	244623m	197.06	ng	
78) 2,3,4,6-Tetrachlorophenol	8.345	232	185736m	160.04	ng	
79) Fluorene	8.559	166	989584	165.26	ng	99
80) 4-Chlorophenyl-phenyle...	8.543	204	422062	169.73	ng	98
81) Diethylphthalate	8.436	149	1086531	175.35	ng	100
82) 4-Nitroaniline	8.580	138	327132	182.14	ng	82
83) 2,3,5,6-Tetrachloroani...	8.693	231	288933	156.28	ng	97
84) Atrazine	9.195	200	299959	185.20	ng	99
86) 4,6-Dinitro-2-methylph...	8.602	198	199472	219.06	ng	42
87) n-Nitrosodiphenylamine	8.661	169	912402	173.47	ng	98
89) 1,2-Diphenylhydrazine	8.703	77	1199960	156.69	ng	87
90) 4-Bromophenyl-phenylether	9.024	248	233284	174.68	ng	97
91) Hexachlorobenzene	9.088	284	223286	171.89	ng	89
92) N-Octadecane	9.361	57	906435	144.27	ng	99
93) Pentachloronitrobenzene	9.302	237	120075	158.52	ng	92
94) Pentachlorophenol	9.292	266	164097	216.15	ng	96
95) Phenanthrene	9.522	178	1433749	167.37	ng	99
96) Anthracene	9.575	178	1456701	166.03	ng	100
97) Pentachloroaniline	9.773	265	242699	149.97	ng	99
98) Carbazole	9.752	167	1502945	167.75	ng	99
99) Di-n-butylphthalate	10.126	149	1884639	172.64	ng	98
100) Parathion	10.329	291	85511	167.71	ng	95
101) Fluoranthene	10.837	202	1499657	164.41	ng	97
103) Pyrene	11.100	202	1534961	187.83	ng	94
104) Benzidine	10.993	184	437742	133.48	ng	91
106) 4,4'-DDE	11.223	246	288985	199.41	ng	92
107) 4,4'-DDD	11.618	235	546641	197.45	ng	84
108) Di-n-hexyl phthalate	11.806	149	2010200	180.83	ng	100
109) Butylbenzylphthalate	11.880	149	854841	201.12	ng	79
110) 4,4'-DDT	11.977	235	436647	202.80	ng	92
111) 3,3'-Dichlorobenzidine	12.496	252	328627	179.88	ng	98
112) Benzo[a]anthracene	12.517	228	1209441	176.55	ng	99
113) Chrysene	12.560	228	1138182	173.41	ng	100
114) bis(2-Ethylhexyl)phtha...	12.570	149	1058969	190.86	ng	96
116) Di-n-octylphthalate	13.319	149	1953148	198.31	ng	99
117) Benzo[b]fluoranthene	13.726	252	1170537	186.25	ng	98
118) Benzo[k]fluoranthene	13.758	252	1045210	167.40	ng	97
119) Benzo[a]pyrene	14.068	252	1106843	180.74	ng	96
120) Indeno[1,2,3-cd]pyrene	15.352	276	1143023	178.08	ng	98
121) Dibenzo[a,h]anthracene	15.373	278	903123	173.35	ng	99
122) Benzo[g,h,i]perylene	15.705	276	992987	179.63	ng	88

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


Abundance
TIC: 10M19646.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M19646.D
Acq On : 03/ 2/11 18:07
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

Data File: 10M19640.D Sam Mult : 1 Vial# : 4 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:54 Misc : A,BNA Qt Upd On: 03/02/11 18:43

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 10M_302.M

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.638	152	94757	40.00	ng	0.00
31) Naphthalene-d8	6.649	136	387214	40.00	ng	0.00
51) Acenaphthene-d10	8.045	164	229064	40.00	ng	-0.01
85) Phenanthrene-d10	9.484	188	381696	40.00	ng	-0.01
102) Chrysene-d12	12.511	240	330208	40.00	ng	-0.02
115) Perylene-d12	14.111	264	293473	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
16) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
32) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
56) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
88) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
105) Terphenyl-d14	11.276	244	1591	0.24	ng	-0.01
Spiked Amount 50.000			Recovery =	0.48%		
Target Compounds						Qvalue
8) Pyridine	0.000		0	N.D.		
9) N-Nitrosodimethylamine	0.000		0	N.D.		
11) Chloroacetamide	0.000		0	N.D.		
12) Benzaldehyde	0.000		0	N.D.	d	
13) Aniline	0.000		0	N.D.	d	
14) Pentachloroethane	0.000		0	N.D.	d	
15) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
17) Phenol	0.000		0	N.D.	d	
18) 2-Chlorophenol	0.000		0	N.D.	d	
19) N-Decane	0.000		0	N.D.	d	
20) 3-Chlorophenol	0.000		0	N.D.	d	
21) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
22) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
23) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
24) Benzyl alcohol	0.000		0	N.D.	d	
25) bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
26) 2-Methylphenol	5.852	108	1291	0.40	ng	90
27) Acetophenone	0.000		0	N.D.	d	
28) Hexachloroethane	0.000		0	N.D.	d	
29) N-Nitroso-di-n-propyla...	0.000		0	N.D.	d	
30) 3&4-Methylphenol	5.975	108	1195	0.38	ng	88
33) Nitrobenzene	0.000		0	N.D.	d	
34) Isophorone	0.000		0	N.D.	d	
35) 2-Nitrophenol	0.000		0	N.D.		
36) 2,4-Dimethylphenol	6.387	107	1252	0.36	ng	88
37) Benzoic Acid	0.000		0	N.D.	d	
38) bis(2-Chloroethoxy)met...	0.000		0	N.D.	d	
39) 2,4-Dichlorophenol	0.000		0	N.D.	d	
40) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
41) Naphthalene	6.665	128	5799m	0.59	ng	
42) 3-Chloroaniline	0.000		0	N.D.	d	
43) 4-Chloroaniline	0.000		0	N.D.	d	
44) Hexachlorobutadiene	0.000		0	N.D.	d	
45) Caprolactam	0.000		0	N.D.		
46) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
47) 2-Methylnaphthalene	0.000		0	N.D.	d	
48) Methylnaphthalenes (To...	0.000		0	N.D.	d	
49) 2,4-Dichloroaniline	0.000		0	N.D.	d	
50) 1,1'-Biphenyl	0.000		0	N.D.	d	
52) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	d	
53) Hexachlorocyclopentadiene	0.000		0	N.D.		
54) 2,4,6-Trichlorophenol	0.000		0	N.D.	d	
55) 2,4,5-Trichlorophenol	0.000		0	N.D.	d	
57) 1,2,3,4-Tetrachloroben...	0.000		0	N.D.	d	
58) 2-Chloronaphthalene	0.000		0	N.D.	d	
59) 3,4-Dichlorophenol	0.000		0	N.D.	d	
60) 3,4-Dichloroaniline	0.000		0	N.D.	d	
61) 1,4-Dimethylnaphthalene	0.000		0	N.D.	d	
62) Dimethylnaphthalenes (...	0.000		0	N.D.	d	
63) Diphenyl Ether	0.000		0	N.D.	d	
64) 2-Nitroaniline	0.000		0	N.D.	d	
65) Coumarin	0.000		0	N.D.	d	

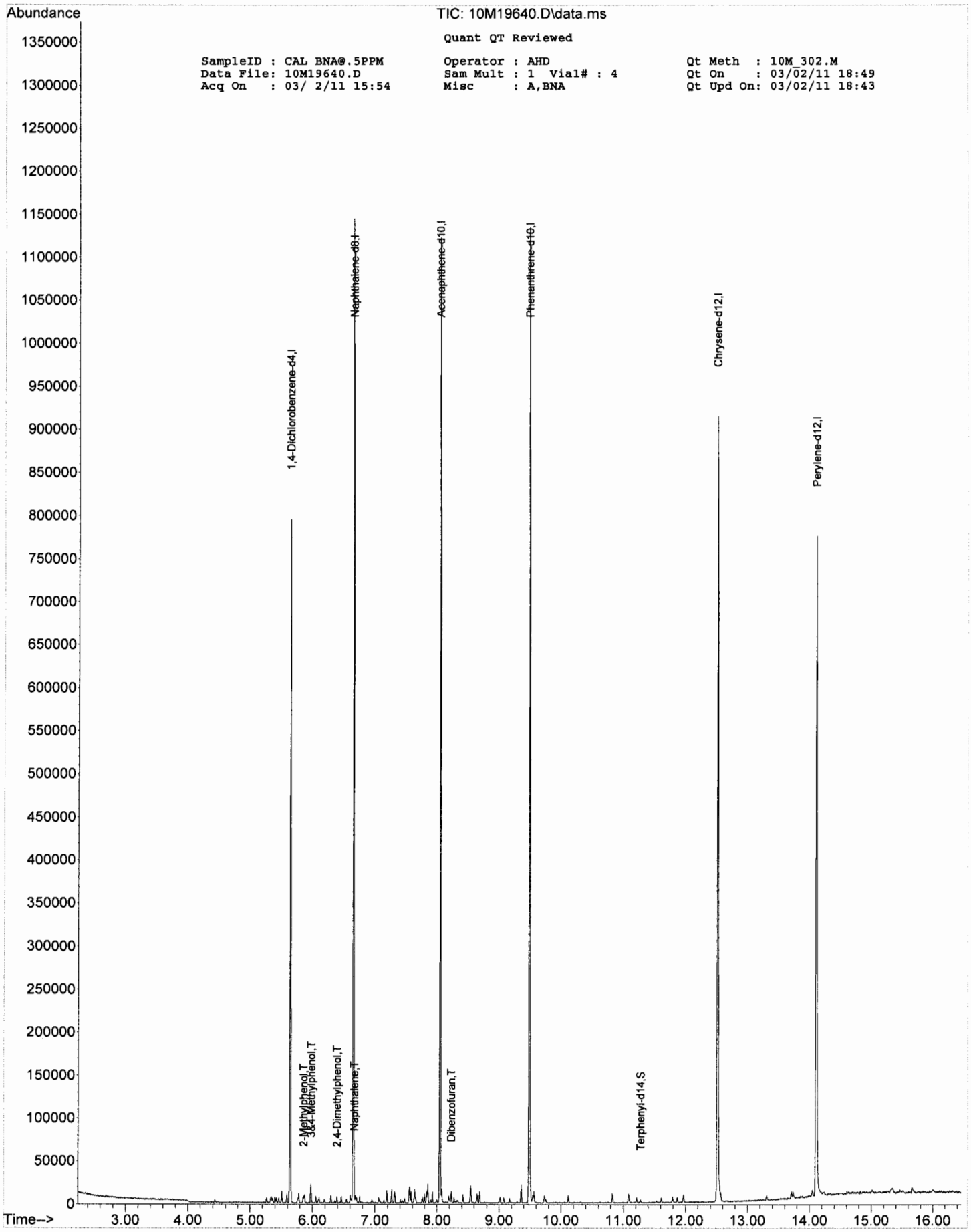
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19640.D Sam Mult : 1 Vial# : 4 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:54 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	0.000		0	N.D. d	
67) Dimethylphthalate	0.000		0	N.D. d	
68) 2,6-Dinitrotoluene	0.000		0	N.D. d	
69) Acenaphthene	0.000		0	N.D. d	
70) 3-Nitroaniline	0.000		0	N.D. d	
71) 2,4-Dinitrophenol	0.000		0	N.D.	
72) Pentachlorobenzene	0.000		0	N.D. d	
73) Dibenzofuran	8.227	168	4977	0.56 ng	90
74) 2,4,5-Trichloroaniline	0.000		0	N.D. d	
75) 2,4-Dinitrotoluene	0.000		0	N.D. d	
76) 4-Nitrophenol	0.000		0	N.D. d	
77) 2,3,4,5-Tetrachlorophenol	0.000		0	N.D.	
78) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
79) Fluorene	0.000		0	N.D. d	
80) 4-Chlorophenyl-phenyle...	0.000		0	N.D. d	
81) Diethylphthalate	0.000		0	N.D. d	
82) 4-Nitroaniline	0.000		0	N.D.	
83) 2,3,5,6-Tetrachloroani...	0.000		0	N.D. d	
84) Atrazine	0.000		0	N.D. d	
86) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
87) n-Nitrosodiphenylamine	0.000		0	N.D. d	
89) 1,2-Diphenylhydrazine	0.000		0	N.D. d	
90) 4-Bromophenyl-phenylether	0.000		0	N.D. d	
91) Hexachlorobenzene	0.000		0	N.D. d	
92) N-Octadecane	0.000		0	N.D. d	
93) Pentachloronitrobenzene	0.000		0	N.D.	
94) Pentachlorophenol	0.000		0	N.D.	
95) Phenanthrene	0.000		0	N.D. d	
96) Anthracene	0.000		0	N.D. d	
97) Pentachloroaniline	0.000		0	N.D. d	
98) Carbazole	0.000		0	N.D. d	
99) Di-n-butylphthalate	0.000		0	N.D. d	
100) Parathion	0.000		0	N.D.	
101) Fluoranthene	0.000		0	N.D. d	
103) Pyrene	0.000		0	N.D. d	
104) Benzidine	0.000		0	N.D.	
106) 4,4'-DDE	0.000		0	N.D. d	
107) 4,4'-DDD	0.000		0	N.D. d	
108) Di-n-hexyl phthalate	0.000		0	N.D. d	
109) Butylbenzylphthalate	0.000		0	N.D. d	
110) 4,4'-DDT	0.000		0	N.D. d	
111) 3,3'-Dichlorobenzidine	0.000		0	N.D. d	
112) Benzo[a]anthracene	0.000		0	N.D. d	
113) Chrysene	0.000		0	N.D. d	
114) bis(2-Ethylhexyl)phtha...	0.000		0	N.D. d	
116) Di-n-octylphthalate	0.000		0	N.D. d	
117) Benzo[b]fluoranthene	0.000		0	N.D. d	
118) Benzo[k]fluoranthene	0.000		0	N.D. d	
119) Benzo[a]pyrene	0.000		0	N.D. d	
120) Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d	
121) Dibenzo[a,h]anthracene	0.000		0	N.D. d	
122) Benzo[g,h,i]perylene	0.000		0	N.D. d	

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


Abundance
TIC: 10M19640.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@.5PPM
Data File: 10M19640.D
Acq On : 03/ 2/11 15:54
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Terphenyl-d14,S
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0293

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64989.	CAL BNA@50PPM	03/03/11 13:27	2	5M64990.	CAL BNA@2PPM	03/03/11 16:15
3	5M64991.	CAL BNA@10PPM	03/03/11 16:38	4	5M64984.	CAL BNA@20PPM	03/03/11 11:28
5	5M64985.	CAL BNA@80PPM	03/03/11 11:52	6	5M64986.	CAL BNA@120PPM	03/03/11 12:16
7	5M64987.	CAL BNA@160PPM	03/03/11 12:40	8	5M64988.	CAL BNA@196PPM	03/03/11 13:04
9	5M64982.	CAL BNA@.5PPM	03/03/11 10:40				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.8548	1.7627	1.8628	1.9133	1.8653	1.8410	1.8679	1.9172	-----	1.86	2.40	0.999	1.00	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1185	1.1395	1.0837	1.1409	1.0939	1.0851	1.0933	1.0835	-----	1.10	2.34	1.00	1.00	2.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3646	1.2252	1.3959	1.3603	1.3489	1.3432	1.3280	1.2838	-----	1.33	4.16	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chloroacetamide	1	0	Avg	0.3603	-----	0.2900	0.3392	0.3629	0.3798	0.3802	0.3715	-----	0.355	4.44	1.00	1.00	9.0		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0156	1.0651	1.0606	1.1394	0.7515	0.5198	0.4392	-----	-----	0.856	5.01	0.871	0.990	33		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	2.2241	1.6071	1.9601	2.2644	2.1252	1.9837	1.8891	1.7115	-----	1.97	5.11	0.988	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4725	0.4876	0.5116	0.5048	0.4669	0.4652	0.4591	0.4405	-----	0.476	5.15	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5108	1.5631	1.7156	1.6879	1.4620	1.4777	1.4595	1.3923	-----	1.53	5.18	0.999	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.8958	1.7735	2.0134	1.9764	1.8333	1.7717	1.7145	1.6071	-----	1.82	5.10	0.996	1.00	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.0394	2.1853	2.3107	2.1952	2.0642	1.9657	1.8934	1.8039	-----	2.06	5.12	0.997	1.00	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3765	1.3766	1.4189	1.4710	1.3888	1.3632	1.3707	1.3165	-----	1.39	5.22	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.9333	1.9754	2.0087	2.0418	1.8721	1.7252	1.6879	1.5363	-----	1.85	5.28	0.991	0.999	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Chlorophenol	1	0	Avg	1.3883	1.0990	1.4112	1.5019	1.3656	1.3631	1.3366	1.3016	-----	1.35	6.41	0.999	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.4993	1.5012	1.6328	1.5553	1.4919	1.4338	1.4115	1.3348	-----	1.48	5.35	0.997	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.4858	1.5721	1.6921	1.6279	1.4995	1.4228	1.4152	1.3422	-----	1.51	5.42	0.998	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4535	1.4721	1.5126	1.5355	1.3893	1.3354	1.2871	1.1923	-----	1.40	5.54	0.994	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9920	0.8529	1.0020	1.0137	0.9850	0.9453	0.9172	0.8660	-----	0.947	5.53	0.996	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.6820	2.9490	3.0182	2.8764	2.6094	2.4170	2.3433	2.1009	-----	2.62	5.64	0.989	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4005	1.2587	1.4699	1.4878	1.3531	1.2996	1.2906	1.2210	1.2407	1.34	5.63	0.998	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.1474	2.1629	2.3313	2.3303	2.1022	1.9869	1.9426	1.8460	-----	2.11	5.75	0.997	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6417	0.6365	0.6650	0.6653	0.6307	0.6110	0.6107	0.5878	-----	0.631	5.83	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1434	1.1131	1.1971	1.2334	1.0883	1.0173	0.9931	0.9488	-----	1.09	5.75	0.996	1.00	9.2	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4943	1.3916	1.5301	1.5601	1.4426	1.3796	1.3706	1.3351	1.2925	1.42	5.76	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1714	0.1521	0.1600	0.1777	0.1768	0.1777	0.1801	0.1683	-----	0.171	5.86	0.998	0.999	5.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4577	0.4528	0.4727	0.4988	0.4696	0.4606	0.4430	0.4183	-----	0.459	5.88	0.996	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8009	0.7752	0.8031	0.8476	0.8078	0.7972	0.7926	0.7578	-----	0.798	6.07	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1867	0.1520	0.1545	0.1878	0.1967	0.1913	0.1896	0.1811	-----	0.180	6.14	0.998	1.00	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3840	0.3736	0.3858	0.4101	0.3891	0.3811	0.3716	0.3578	0.3295	0.376	6.17	0.998	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2468	-----	0.0833	0.1780	0.2762	0.3212	0.3191	0.3325	-----	0.251	6.26	0.997	0.999	36		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4671	0.4788	0.4987	0.5135	0.4777	0.4643	0.4416	0.4193	-----	0.470	6.25	0.996	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2693	0.2451	0.2615	0.2834	0.2746	0.2699	0.2569	0.2491	-----	0.264	6.32	0.998	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2888	0.3103	0.3206	0.3182	0.3033	0.2904	0.2760	0.2616	-----	0.296	6.38	0.995	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0349	1.1839	1.0842	1.1280	1.0230	0.9898	0.9504	0.8797	1.2551	1.06	6.44	0.994	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3-Chloroaniline	1	0	Avg	0.4520	0.3272	0.3858	0.4614	0.4279	0.4894	0.4460	0.3848	-----	0.422	6.47	0.980	0.991	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.3779	0.3364	0.3151	0.3551	0.3936	0.3142	0.3150	0.2971	-----	0.338	6.49	0.986	0.995	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1268	0.1450	0.1334	0.1358	0.1277	0.1232	0.1208	0.1136	-----	0.128	6.54	0.997	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1181	0.0745	0.1028	0.1207	0.1208	0.1230	0.1181	0.1291	-----	0.113	6.75	0.997	0.998	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3240	0.2680	0.3118	0.3400	0.3383	0.3289	0.3202	0.3001	-----	0.316	6.85	0.996	0.999	7.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6380	0.6783	0.6736	0.7133	0.6328	0.6195	0.5951	0.5488	-----	0.637	6.96	0.994	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6339	0.6730	0.6767	0.7143	0.6324	0.6201	0.5956	0.5476	-----	0.637	6.96	0.994	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichloroaniline	1	0	Avg	0.3145	0.3340	0.3379	0.3549	0.2960	0.2608	0.2453	-----	-----	0.306	7.08	0.989	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0		

Flags

a - failed the spcc criteria * - ccc compound

b - failed the ccc criteria ** - spcc compound

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.3

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64989.	CAL BNA@50PPM	03/03/11 13:27	2	5M64990.	CAL BNA@2PPM	03/03/11 16:15
3	5M64991.	CAL BNA@10PPM	03/03/11 16:38	4	5M64984.	CAL BNA@20PPM	03/03/11 11:28
5	5M64985.	CAL BNA@80PPM	03/03/11 11:52	6	5M64986.	CAL BNA@120PPM	03/03/11 12:16
7	5M64987.	CAL BNA@160PPM	03/03/11 12:40	8	5M64988.	CAL BNA@196PPM	03/03/11 13:04
9	5M64982.	CAL BNA@.5PPM	03/03/11 10:40				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.1'-Biphenyl	1	0	Avg	0.8771	0.9387	0.9368	0.9774	0.8438	0.7973	0.7533	0.6950	-----	0.852	7.32	0.991	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5013	0.5477	0.5497	0.5494	0.4938	0.4416	0.4239	0.3957	-----	0.488	7.09	0.991	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	LinF	0.2102	0.1012	0.1497	0.1983	0.2121	0.2044	0.1991	0.1929	-----	0.184	7.08	0.998	0.999	21	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3107	0.2525	0.3100	0.3176	0.3373	0.3204	0.3086	0.2871	-----	0.306	7.18	0.997	0.999	8.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.3503	0.2991	0.3056	0.3636	0.3587	0.3352	0.3300	0.3219	-----	0.333	7.21	0.998	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2687	1.4103	1.3399	1.3701	1.2959	1.2165	1.2107	1.1843	-----	1.29	7.24	0.999	1.00	6.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
1.2.3.4-Tetrachloroben	1	0	Avg	0.3742	0.4309	0.4096	0.4118	0.3746	0.3406	0.3259	0.3172	-----	0.373	7.31	0.996	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chloronaphthalene	1	0	Avg	1.1327	1.1851	1.2127	1.1865	1.1251	1.0303	1.0086	0.9580	-----	1.10	7.34	0.996	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichlorophenol	1	0	Avg	0.5105	0.4965	0.5113	0.5503	0.5082	0.4665	0.4436	0.4375	-----	0.491	7.41	0.996	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichloroaniline	1	0	Qua	0.5595	0.4931	0.5584	0.6124	0.4851	0.3784	0.2913	0.2450	-----	0.453	7.52	0.895	0.998	30		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.8706	0.9591	0.9100	0.9609	0.8612	0.7516	0.7024	0.6405	-----	0.832	7.61	0.982	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8706	0.9591	0.9100	0.9609	0.8612	0.7516	0.7024	0.6405	-----	0.832	7.61	0.982	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8491	0.9311	0.9052	0.9444	0.8096	0.7261	0.7029	0.6798	-----	0.819	7.41	0.995	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.6140	0.5245	0.5989	0.6354	0.6055	0.5687	0.5439	0.5221	-----	0.577	7.42	0.996	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5244	0.5569	0.5437	0.5716	0.5248	0.4587	0.4346	0.3894	-----	0.501	7.59	0.982	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.8884	1.9411	1.9634	2.0776	1.9351	1.8010	1.7096	1.6230	-----	1.87	7.68	0.995	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.2406	1.2963	1.2915	1.3535	1.2701	1.1750	1.1616	1.1105	-----	1.24	7.57	0.997	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2813	0.2406	0.2714	0.3012	0.2837	0.2663	0.2590	0.2513	-----	0.269	7.62	0.997	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1533	1.2727	1.2415	1.2660	1.1725	1.0814	1.0396	0.9950	-----	1.15	7.83	0.995	1.00	9.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3497	0.2557	0.3158	0.3382	0.3374	0.2969	0.2968	0.2859	-----	0.310	7.76	0.995	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1268	-----	0.0452	0.1010	0.1547	0.1662	0.1623	0.1616	-----	0.131	7.85	0.998	0.998	34	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorobenzene	1	0	Avg	0.3402	0.3477	0.3613	0.3721	0.3570	0.3189	0.3114	0.3022	-----	0.339	7.94	0.996	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.5808	1.6365	1.6885	1.6857	1.5460	1.4609	1.3784	1.2852	1.8868	1.57	7.98	0.993	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4.5-Trichloroaniline	1	0	Avg	0.4357	0.4167	0.4683	0.4544	0.4367	0.3981	0.3767	0.3414	-----	0.416	8.03	0.987	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.3745	0.2514	0.3570	0.3837	0.3892	0.3690	0.3555	0.3393	-----	0.353	7.96	0.996	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3301	0.1873	0.2425	0.3204	0.3393	0.3391	0.3345	0.3289	-----	0.303	7.91	0.999	1.00	19	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.5-Tetrachlorophe	1	0	Avg	0.2385	0.2285	0.2260	0.2798	0.2331	0.2777	0.2189	0.2896	-----	0.249	8.07	0.985	0.987	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Qua	0.2163	0.1679	0.2278	0.2116	0.2651	0.2052	0.2129	-----	-----	0.215	8.09	0.989	0.991	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Fluorene	1	0	Avg	1.2417	1.2689	1.3390	1.3702	1.2459	1.0965	1.0425	0.9605	-----	1.20	8.29	0.987	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.4959	0.5506	0.5357	0.5472	0.4992	0.4520	0.4281	0.3928	-----	0.488	8.29	0.988	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3155	1.2888	1.3573	1.3712	1.3524	1.2673	1.2305	1.1732	-----	1.29	8.18	0.996	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3691	0.2484	0.3368	0.3879	0.3869	0.3600	0.3562	0.3527	-----	0.350	8.30	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.5.6-Tetrachloroanili	1	0	Avg	0.3528	0.3660	0.3856	0.3965	0.3572	0.3341	0.3108	0.2977	-----	0.350	8.43	0.993	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3172	0.2526	0.3014	0.3349	0.3347	0.3177	0.3076	0.3026	-----	0.309	8.92	0.998	1.00	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1082	-----	0.0619	0.0980	0.1230	0.1207	0.1223	0.1235	-----	0.108	8.33	1.00	1.00	21		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6791	0.6132	0.6867	0.6998	0.6707	0.6335	0.6147	0.5740	-----	0.646	8.40	0.995	1.00	6.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0574	0.0371	0.0490	0.0532	0.0576	0.0577	0.0584	0.0575	-----	0.0536	8.52	1.00	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.2563	1.2078	1.2779	1.3271	1.1149	1.1372	1.0991	1.0002	-----	1.18	8.44	0.993	0.998	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1496	0.1123	0.1492	0.1540	0.1543	0.1434	0.1460	0.1331	-----	0.143	8.76	0.995	0.998	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1421	0.1419	0.1529	0.1503	0.1456	0.1383	0.1368	0.1269	-----	0.142	8.82	0.996	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7586	0.5882	0.7557	0.7769	0.7299	0.6645	0.6402	0.5916	-----	0.688	9.11	0.990	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.3

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64989.	CAL BNA@50PPM	03/03/11 13:27	2	5M64990.	CAL BNA@2PPM	03/03/11 16:15
3	5M64991.	CAL BNA@10PPM	03/03/11 16:38	4	5M64984.	CAL BNA@20PPM	03/03/11 11:28
5	5M64985.	CAL BNA@80PPM	03/03/11 11:52	6	5M64986.	CAL BNA@120PPM	03/03/11 12:16
7	5M64987.	CAL BNA@160PPM	03/03/11 12:40	8	5M64988.	CAL BNA@196PPM	03/03/11 13:04
9	5M64982.	CAL BNA@.5PPM	03/03/11 10:40				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pentachloronitrobenzei	1	0	Avg	0.0743	0.0477	0.0644	0.0742	0.0747	0.0738	0.0712	0.0685	-----	0.0686	9.03	0.998	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0803	-----	0.0456	0.0682	0.0897	0.0909	0.0896	0.0875	-----	0.0789	9.02	0.999	1.00	21	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.0900	1.2270	1.1611	1.1213	1.0693	1.0230	0.9898	0.9361	-----	1.08	9.24	0.996	1.00	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1098	1.0227	1.1128	1.1451	1.1453	1.0588	1.0318	0.9481	-----	1.07	9.29	0.993	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroaniline	1	0	Avg	0.1527	0.1516	0.1545	0.1640	0.1554	0.1511	0.1508	0.1393	-----	0.152	9.49	0.996	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.0933	1.0680	1.1026	1.1569	1.0938	1.0512	1.0366	0.9689	-----	1.07	9.46	0.996	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.3600	0.9407	1.2105	1.3107	1.3649	1.3231	1.2877	1.2272	-----	1.25	9.86	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Parathion	1	0	Qua	0.0406	-----	0.0196	0.0308	0.0402	0.0426	0.0427	0.0409	-----	0.0368	10.06	0.998	0.999	23		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.0778	0.9930	1.0494	1.0926	1.0927	1.0161	1.0094	0.9560	-----	1.04	10.55	0.997	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.4131	1.2883	1.4274	1.5546	1.4579	1.4093	1.3468	1.3541	-----	1.41	10.80	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5024	0.1489	0.2374	0.4054	0.4336	0.3103	-----	-----	-----	0.340	10.71	0.916	0.993	39		50.00	2.00	10.00	20.00	80.00	120.0			
Terphenyl-d14	1	0	Avg	0.7579	0.7695	0.7425	0.8040	0.7940	0.7844	0.7903	0.7940	-----	0.780	11.01	1.00	1.00	2.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2321	0.2142	0.2193	0.2456	0.2334	0.2349	0.2290	0.2201	-----	0.229	10.95	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.4672	0.3592	0.4396	0.4847	0.4781	0.4705	0.4492	0.4444	-----	0.449	11.34	0.999	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-hexyl phthalate	1	0	Qua	1.7538	0.8695	1.3638	1.6821	1.7940	1.8562	1.8335	1.7728	-----	1.62	11.54	0.999	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	LinF	0.7662	0.4544	0.6873	0.7887	0.7736	0.7732	0.7780	0.7407	-----	0.720	11.61	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3974	-----	0.3460	0.4166	0.4177	0.3962	0.3981	0.3833	-----	0.394	11.70	0.998	0.999	6.2		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3415	0.1634	0.2447	0.3111	0.3218	0.2918	0.2746	0.2589	-----	0.276	12.21	0.988	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1301	1.0712	1.1247	1.2189	1.1129	1.1224	1.1057	1.0341	-----	1.12	12.22	0.997	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1273	1.2104	1.1730	1.2213	1.1170	1.0472	1.0801	1.0344	-----	1.13	12.26	0.999	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Qua	0.9963	0.4873	0.7731	0.9098	0.9973	1.0618	1.0495	1.0302	-----	0.913	12.31	0.999	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.8350	0.6963	1.1717	1.4449	1.8953	2.0224	1.9544	1.9819	-----	1.63	13.06	0.997	0.998	30	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.0715	0.8708	1.0177	1.1305	1.1322	1.0982	1.0865	1.0931	-----	1.06	13.43	1.00	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1785	1.0451	1.1877	1.2559	1.0881	1.0953	1.1060	1.1403	-----	1.14	13.46	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1088	0.7376	1.0506	1.1388	1.1356	1.1392	1.0837	1.0489	-----	1.06	13.77	0.998	1.00	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	0.9982	0.7885	0.8712	0.9882	1.0479	1.0711	1.0385	1.0365	-----	0.980	14.96	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.8252	0.5703	0.7283	0.8218	0.8723	0.8922	0.8519	0.8468	-----	0.801	14.98	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.8359	0.7187	0.8258	0.8707	0.8816	0.8976	0.8741	0.8889	-----	0.849	15.27	1.00	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.3

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64989.D Sam Mult : 1 Vial# : 2 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:27 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	75445	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	288355	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	147600	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	234955	40.00	ng	0.00
102) Chrysene-d12	12.236	240	186581	40.00	ng	0.00
115) Perylene-d12	13.823	264	156713	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	128697	51.10	ng	0.00
Spiked Amount 100.000			Recovery = 51.10%			
16) Phenol-d5	5.104	99	178787	51.28	ng	0.00
Spiked Amount 100.000			Recovery = 51.28%			
32) Nitrobenzene-d5	5.863	128	30903	24.81	ng	0.00
Spiked Amount 50.000			Recovery = 49.62%			
56) 2-Fluorobiphenyl	7.241	172	117046	24.90	ng	0.00
Spiked Amount 50.000			Recovery = 49.80%			
88) 2,4,6-Tribromophenol	8.518	330	16885	54.11	ng	0.00
Spiked Amount 100.000			Recovery = 54.11%			
105) Terphenyl-d14	11.007	244	88391	24.70	ng	0.00
Spiked Amount 50.000			Recovery = 49.40%			
Target Compounds						Qvalue
8) Pyridine	2.396	79	174927	50.32	ng	87
9) N-Nitrosodimethylamine	2.337	74	105482	50.91	ng	87
11) Chloroacetamide	4.436	93	33986	55.51	ng	34
12) Benzaldehyde	5.013	77	95785	53.18	ng	91
13) Aniline	5.115	93	209750	58.31	ng	79
14) Pentachloroethane	5.152	117	44561	49.12	ng	91
15) bis(2-Chloroethyl)ether	5.184	93	142483	48.82	ng	94
17) Phenol	5.120	94	192329	49.41	ng	73
18) 2-Chlorophenol	5.222	128	129818	49.48	ng	94
19) N-Decane	5.281	57	182329	51.30	ng	95
20) 3-Chlorophenol	6.413	128	130926	50.33	ng	87
21) 1,3-Dichlorobenzene	5.350	146	141398	50.14	ng	98
22) 1,4-Dichlorobenzene	5.419	146	140128	48.93	ng	97
23) 1,2-Dichlorobenzene	5.542	146	137076	51.34	ng	97
24) Benzyl alcohol	5.532	108	93553	52.50	ng	78
25) bis(2-chloroisopropyl)...	5.644	45	252935	50.84	ng	98
26) 2-Methylphenol	5.633	108	132083	52.63	ng	96
27) Acetophenone	5.745	105	202520	50.63	ng	69
28) Hexachloroethane	5.825	117	60517	51.32	ng	93
29) N-Nitroso-di-n-propyla...	5.751	70	107835	52.31	ng	84
30) 3&4-Methylphenol	5.761	108	140924	53.48	ng	100
33) Nitrobenzene	5.879	77	165005	49.78	ng	91
34) Isophorone	6.071	82	288681	50.55	ng	99
35) 2-Nitrophenol	6.135	139	67309	52.30	ng	90
36) 2,4-Dimethylphenol	6.173	107	138442	50.75	ng	95
37) Benzoic Acid	6.264	105	88969	49.07	ng	96
38) bis(2-Chloroethoxy)met...	6.247	93	168375	49.95	ng	97
39) 2,4-Dichlorophenol	6.322	162	97081	50.74	ng	95
40) 1,2,4-Trichlorobenzene	6.381	180	104099	48.60	ng	98
41) Naphthalene	6.440	128	373053	47.42	ng	99
42) 3-Chloroaniline	6.472	127	162930	54.74	ng	100
43) 4-Chloroaniline	6.488	127	136211	58.40	ng	89
44) Hexachlorobutadiene	6.536	225	45708	48.63	ng	96
45) Caprolactam	6.750	113	42588	51.61	ng	64
46) 4-Chloro-3-methylphenol	6.851	107	116794	50.50	ng	95
47) 2-Methylnaphthalene	6.963	142	229990	49.73	ng	98
48) Methylnaphthalenes (To...	6.963	142	228514	49.40	ng	98
49) 2,4-Dichloroaniline	7.081	161	113383	53.50	ng	94
50) 1,1'-Biphenyl	7.321	154	316145	51.66	ng	100
52) 1,2,4,5-Tetrachloroben...	7.092	216	92507	51.71	ng	97
53) Hexachlorocyclopentadiene	7.081	237	38796	55.93	ng	96
54) 2,4,6-Trichlorophenol	7.182	196	57328	50.70	ng	99
55) 2,4,5-Trichlorophenol	7.214	196	64645	53.46	ng	99
57) 1,2,3,4-Tetrachloroben...	7.311	214	69052	51.45	ng	54
58) 2-Chloronaphthalene	7.343	162	208983	51.25	ng	96
59) 3,4-Dichlorophenol	7.407	162	94192	52.37	ng	90
60) 3,4-Dichloroaniline	7.524	161	103236	63.70	ng	96
61) 1,4-Dimethylnaphthalene	7.610	156	160641	52.51	ng	98
62) Dimethylnaphthalenes (...	7.610	156	160641	52.51	ng	98
63) Diphenyl Ether	7.407	170	156674	52.12	ng	92
64) 2-Nitroaniline	7.423	65	113289	54.47	ng	78
65) Coumarin	7.594	146	96757	53.04	ng	74

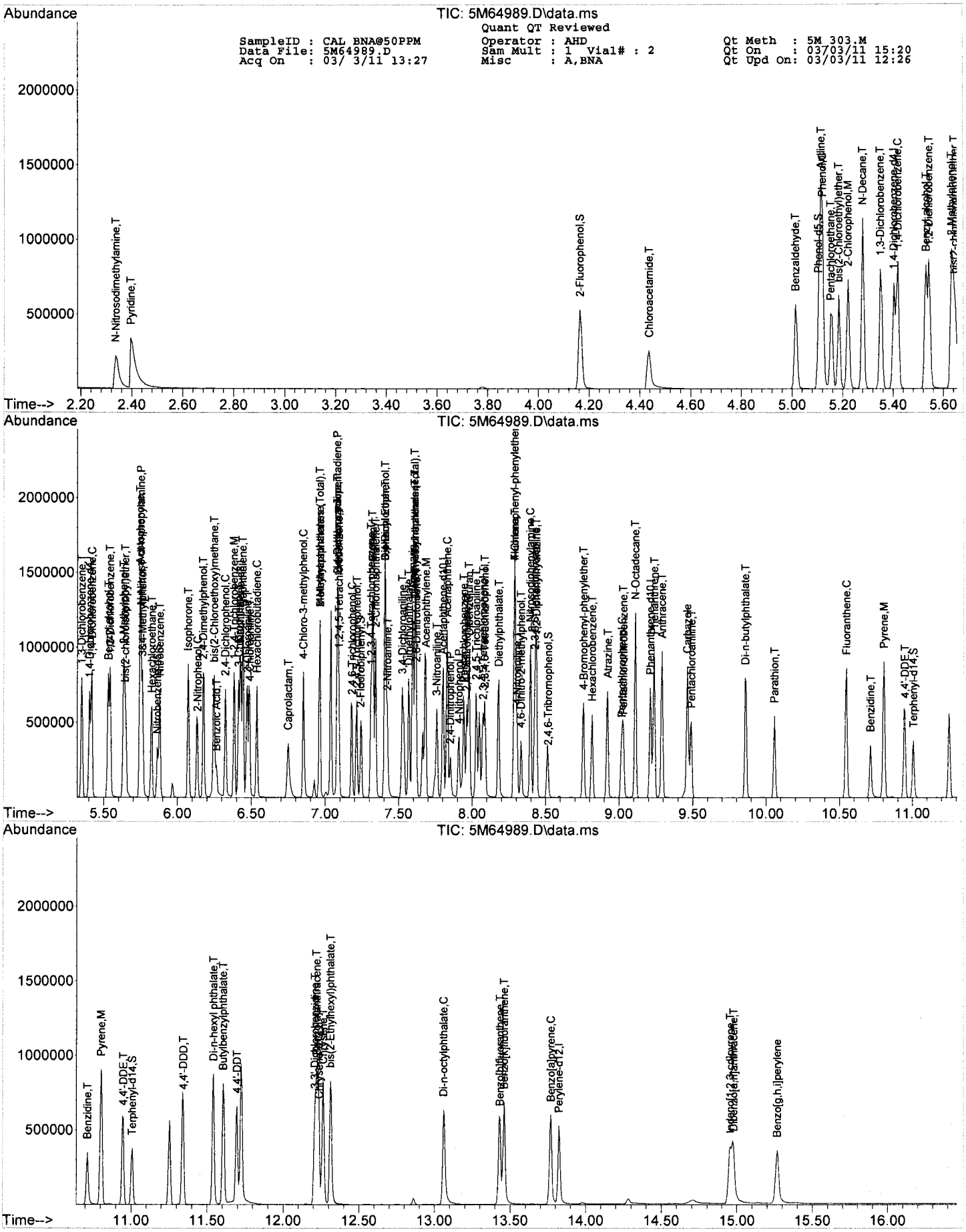
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64989.D Sam Mult : 1 Vial# : 2 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:27 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.685	152	348411	50.74 ng	99
67) Dimethylphthalate	7.567	163	228890	49.85 ng	99
68) 2,6-Dinitrotoluene	7.620	165	51910	52.05 ng	76
69) Acenaphthene	7.829	153	212797	49.66 ng	95
70) 3-Nitroaniline	7.759	138	64533	58.92 ng	93
71) 2,4-Dinitrophenol	7.850	184	23408	44.86 ng	70
72) Pentachlorobenzene	7.941	250	62781	49.40 ng	100
73) Dibenzofuran	7.978	168	291669	50.14 ng	93
74) 2,4,5-Trichloroaniline	8.026	195	80404	53.51 ng	98
75) 2,4-Dinitrotoluene	7.962	165	69097	52.17 ng	96
76) 4-Nitrophenol	7.909	65	60907	52.83 ng	92
77) 2,3,4,5-Tetrachlorophenol	8.075	232	44009	50.19 ng	98
78) 2,3,4,6-Tetrachlorophenol	8.085	232	39918	48.88 ng	96
79) Fluorene	8.288	166	229096	51.68 ng	99
80) 4-Chlorophenyl-phenyle...	8.288	204	91507	50.41 ng	96
81) Diethylphthalate	8.181	149	242709	51.30 ng	100
82) 4-Nitroaniline	8.304	138	68111	52.32 ng	93
83) 2,3,5,6-Tetrachloroani...	8.427	231	65098	50.27 ng	97
84) Atrazine	8.924	200	58523	52.29 ng	99
86) 4,6-Dinitro-2-methylph...	8.331	198	31782	47.70 ng	28
87) n-Nitrosodiphenylamine	8.395	169	199451	52.45 ng	99
89) 1,2-Diphenylhydrazine	8.438	77	368978	53.59 ng	97
90) 4-Bromophenyl-phenylether	8.758	248	43964	51.09 ng	93
91) Hexachlorobenzene	8.817	284	41754	49.90 ng	98
92) N-Octadecane	9.111	57	222816	56.14 ng	94
93) Pentachloronitrobenzene	9.031	237	21825	55.00 ng	88
94) Pentachlorophenol	9.020	266	23596	50.58 ng	92
95) Phenanthrene	9.239	178	320152	51.44 ng	99
96) Anthracene	9.293	178	325955	51.88 ng	99
97) Pentachloroaniline	9.490	265	44873	51.21 ng	98
98) Carbazole	9.464	167	321104	51.38 ng	100
99) Di-n-butylphthalate	9.859	149	399445	55.08 ng	99
100) Parathion	10.057	291	11950	56.20 ng	99
101) Fluoranthene	10.548	202	316564	52.64 ng	94
103) Pyrene	10.804	202	329587	50.83 ng	97
104) Benzidine	10.714	184	117195	69.97 ng	100
106) 4,4'-DDE	10.949	246	54133	50.98 ng	88
107) 4,4'-DDD	11.344	235	108976	52.79 ng	82
108) Di-n-hexyl phthalate	11.542	149	409039	56.30 ng	100
109) Butylbenzylphthalate	11.606	149	178703	54.61 ng	91
110) 4,4'-DDT	11.697	235	92691	50.84 ng	83
111) 3,3'-Dichlorobenzidine	12.209	252	79646	66.97 ng	98
112) Benzo[a]anthracene	12.220	228	263590	51.03 ng	100
113) Chrysene	12.263	228	262916	51.02 ng	99
114) bis(2-Ethylhexyl)phtha...	12.311	149	232371	57.27 ng	99
116) Di-n-octylphthalate	13.059	149	359460	53.56 ng	100
117) Benzo[b]fluoranthene	13.433	252	209911	50.42 ng	97
118) Benzo[k]fluoranthene	13.460	252	230869m	51.16 ng	
119) Benzo[a]pyrene	13.769	252	217206	53.15 ng	97
120) Indeno[1,2,3-cd]pyrene	14.955	276	195549	52.13 ng	76
121) Dibenzo[a,h]anthracene	14.977	278	161668	52.08 ng	87
122) Benzo[g,h,i]perylene	15.265	276	163762	49.76 ng	90

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


Abundance
TIC: 5M64989.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64989.D
Acq On : 03/ 3/11 13:27
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:20
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Phenol,M
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time--> 2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60
Abundance
TIC: 5M64989.D\data.ms
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
3-Nitroaniline,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Pentachlorophenol,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time--> 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00
Abundance
TIC: 5M64989.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time--> 11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64990.D Sam Mult : 1 Vial# : 3 Qt On : 03/03/11 16:36
Acq On : 03/ 3/11 16:15 Misc : A,BNA Qt Upd On: 03/03/11 16:08

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.404	152	79558	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	293607	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	151684	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	256596	40.00	ng	0.00
102) Chrysene-d12	12.236	240	197092	40.00	ng	0.00
115) Perylene-d12	13.828	264	161758	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	4874	1.88	ng	0.00
Spiked Amount 100.000			Recovery = 1.88%			
16) Phenol-d5	5.110	99	7055	1.96	ng	0.00
Spiked Amount 100.000			Recovery = 1.96%			
32) Nitrobenzene-d5	5.863	128	1117	0.89	ng	0.00
Spiked Amount 50.000			Recovery = 1.78%			
56) 2-Fluorobiphenyl	7.247	172	5348	1.12	ng	0.00
Spiked Amount 50.000			Recovery = 2.24%			
88) 2,4,6-Tribromophenol	8.518	330	476m	1.28	ng	0.00
Spiked Amount 100.000			Recovery = 1.28%			
105) Terphenyl-d14	11.013	244	3792	1.00	ng	0.00
Spiked Amount 50.000			Recovery = 2.00%			
Target Compounds						Qvalue
8) Pyridine	2.471	79	7012	1.92	ng	98
9) N-Nitrosodimethylamine	2.369	74	4533	2.09	ng	79
11) Chloroacetamide	0.000		0	N.D.		
12) Benzaldehyde	5.019	77	4237	1.84	ng	85
13) Aniline	5.120	93	6393	1.65	ng	90
14) Pentachloroethane	5.158	117	1940	2.08	ng	93
15) bis(2-Chloroethyl)ether	5.185	93	6218	2.05	ng	88
17) Phenol	5.120	94	8693	2.15	ng	71
18) 2-Chlorophenol	5.222	128	5476	1.98	ng	90
19) N-Decane	5.281	57	7858	2.14	ng	93
20) 3-Chlorophenol	6.419	128	4372m	1.63	ng	
21) 1,3-Dichlorobenzene	5.350	146	5972	2.02	ng	95
22) 1,4-Dichlorobenzene	5.420	146	6254	2.08	ng	97
23) 1,2-Dichlorobenzene	5.548	146	5856	2.11	ng	96
24) Benzyl alcohol	5.532	108	3393	1.84	ng	86
25) bis(2-chloroisopropyl)...	5.644	45	11731	2.27	ng	97
26) 2-Methylphenol	5.633	108	5007	1.89	ng	100
27) Acetophenone	5.745	105	8604	2.07	ng	69
28) Hexachloroethane	5.826	117	2532	2.02	ng	94
29) N-Nitroso-di-n-propyla...	5.751	70	4428	2.06	ng	87
30) 3&4-Methylphenol	5.761	108	5536	1.97	ng	99
33) Nitrobenzene	5.879	77	6648	1.98	ng	91
34) Isophorone	6.071	82	11381	1.94	ng	94
35) 2-Nitrophenol	6.135	139	2232	1.69	ng	92
36) 2,4-Dimethylphenol	6.178	107	5485	2.00	ng	95
37) Benzoic Acid	6.226	105	1139	0.74	ng	94
38) bis(2-Chloroethoxy)met...	6.248	93	7030	2.03	ng	95
39) 2,4-Dichlorophenol	6.328	162	3599	1.87	ng	86
40) 1,2,4-Trichlorobenzene	6.387	180	4556	2.10	ng	98
41) Naphthalene	6.445	128	17380	2.23	ng	100
42) 3-Chloroaniline	6.472	127	4804	1.54	ng	94
43) 4-Chloroaniline	6.488	127	4939	2.02	ng	85
44) Hexachlorobutadiene	6.541	225	2130	2.28	ng	92
45) Caprolactam	6.728	113	1094	1.33	ng	61
46) 4-Chloro-3-methylphenol	6.851	107	3935	1.69	ng	90
47) 2-Methylnaphthalene	6.963	142	9958	2.12	ng	91
48) Methylnaphthalenes (To...	6.963	142	9881	2.10	ng	91
49) 2,4-Dichloroaniline	7.086	161	4904	2.23	ng	94
50) 1,1'-Biphenyl	7.327	154	13781	2.20	ng	98
52) 1,2,4,5-Tetrachloroben...	7.092	216	4154	2.27	ng	93
53) Hexachlorocyclopentadiene	7.086	237	768	1.01	ng	94
54) 2,4,6-Trichlorophenol	7.183	196	1915	1.67	ng	92
55) 2,4,5-Trichlorophenol	7.215	196	2269	1.80	ng	80
57) 1,2,3,4-Tetrachloroben...	7.316	214	3268	2.35	ng	55
58) 2-Chloronaphthalene	7.343	162	8988	2.17	ng	97
59) 3,4-Dichlorophenol	7.407	162	3766	2.06	ng	91
60) 3,4-Dichloroaniline	7.530	161	3740	1.57	ng	98
61) 1,4-Dimethylnaphthalene	7.615	156	7274	2.32	ng	96
62) Dimethylnaphthalenes (...	7.615	156	7274	2.32	ng	96
63) Diphenyl Ether	7.412	170	7062	2.28	ng	84
64) 2-Nitroaniline	7.423	65	3978	1.84	ng	87
65) Coumarin	7.594	146	4224	2.25	ng	88

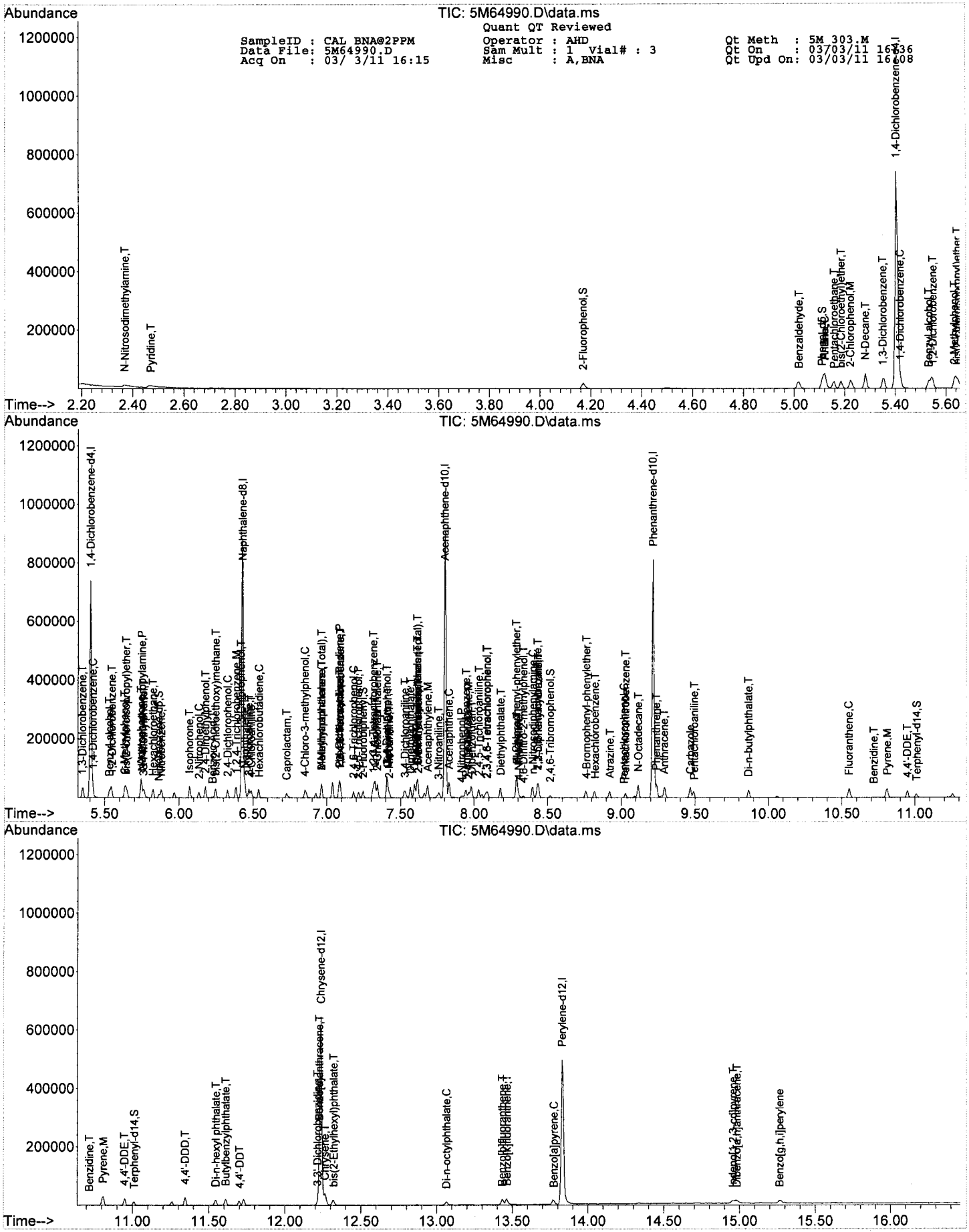
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64990.D Sam Mult : 1 Vial# : 3 Qt On : 03/03/11 16:36
Acq On : 03/ 3/11 16:15 Misc : A,BNA Qt Upd On: 03/03/11 16:08

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.685	152	14722	2.08 ng	98
67) Dimethylphthalate	7.567	163	9832	2.04 ng	99
68) 2,6-Dinitrotoluene	7.621	165	1825	1.77 ng	84
69) Acenaphthene	7.829	153	9653	2.22 ng	93
70) 3-Nitroaniline	7.759	138	1940	1.67 ng	80
71) 2,4-Dinitrophenol	0.000		0	N.D.	
72) Pentachlorobenzene	7.946	250	2637	2.03 ng	96
73) Dibenzofuran	7.984	168	12412	2.08 ng	91
74) 2,4,5-Trichloroaniline	8.032	195	3161	1.99 ng	95
75) 2,4-Dinitrotoluene	7.962	165	1907	1.43 ng	89
76) 4-Nitrophenol	7.914	65	1421	1.09 ng	89
77) 2,3,4,5-Tetrachlorophenol	8.085	232	1733m	1.84 ng	
78) 2,3,4,6-Tetrachlorophenol	8.091	232	1274m	1.43 ng	
79) Fluorene	8.294	166	9624	2.12 ng	96
80) 4-Chlorophenyl-phenyle...	8.288	204	4176	2.24 ng	95
81) Diethylphthalate	8.181	149	9775	2.01 ng	95
82) 4-Nitroaniline	8.304	138	1884	1.42 ng	95
83) 2,3,5,6-Tetrachloroani...	8.433	231	2776	2.08 ng	99
84) Atrazine	8.924	200	1916	1.65 ng	99
86) 4,6-Dinitro-2-methylph...	8.336	198	355m	0.49 ng	
87) n-Nitrosodiphenylamine	8.401	169	7868	1.90 ng	98
89) 1,2-Diphenylhydrazine	8.438	77	15497	2.06 ng	99
90) 4-Bromophenyl-phenylether	8.764	248	1442	1.55 ng	78
91) Hexachlorobenzene	8.823	284	1821	1.99 ng	93
92) N-Octadecane	9.116	57	7547	1.73 ng	96
93) Pentachloronitrobenzene	9.031	237	613	1.35 ng	78
94) Pentachlorophenol	9.020	266	350	0.62 ng	93
95) Phenanthrene	9.239	178	15743	2.31 ng	96
96) Anthracene	9.293	178	13122	1.92 ng	98
97) Pentachloroaniline	9.496	265	1945	1.99 ng	90
98) Carbazole	9.469	167	13703	2.01 ng	99
99) Di-n-butylphthalate	9.864	149	12069	1.52 ng	99
100) Parathion	0.000		0	N.D. d	
101) Fluoranthene	10.548	202	12740	1.96 ng	93
103) Pyrene	10.810	202	12696	1.84 ng	95
104) Benzidine	10.719	184	1468	0.50 ng	64
106) 4,4'-DDE	10.949	246	2111	1.88 ng	83
107) 4,4'-DDD	11.344	235	3540	1.62 ng	83
108) Di-n-hexyl phthalate	11.547	149	8569	0.94 ng	100
109) Butylbenzylphthalate	11.611	149	4478	1.27 ng	94
110) 4,4'-DDT	11.702	235	2089	1.08 ng	80
111) 3,3'-Dichlorobenzidine	12.215	252	1611	0.92 ng	99
112) Benzo[a]anthracene	12.226	228	10557	1.92 ng	97
113) Chrysene	12.263	228	11928	2.17 ng	97
114) bis(2-Ethylhexyl)phtha...	12.322	149	4803	0.96 ng	95
116) Di-n-octylphthalate	13.064	149	5632	0.87 ng	98
117) Benzo[b]fluoranthene	13.433	252	7043m	1.64 ng	
118) Benzo[k]fluoranthene	13.465	252	8453m	1.83 ng	
119) Benzo[a]pyrene	13.775	252	5966	1.42 ng	95
120) Indeno[1,2,3-cd]pyrene	14.955	276	6378	1.63 ng	92
121) Dibenzo[a,h]anthracene	14.982	278	4613	1.43 ng	88
122) Benzo[g,h,i]perylene	15.265	276	5813	1.72 ng	86

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


Abundance
TIC: 5M64990.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 5M64990.D
Acq On : 03/ 3/11 16:15
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 16:36
Qt Upd On: 03/03/11 16:08
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64991.D Sam Mult : 1 Vial# : 5 Qt On : 03/03/11 16:53
Acq On : 03/ 3/11 16:38 Misc : A,BNA Qt Upd On: 03/03/11 16:43

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.404	152	69250	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	271997	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	138854	40.00	ng	0.00
85) Phenanthrene-d10	9.213	188	227735	40.00	ng	0.00
102) Chrysene-d12	12.231	240	179845	40.00	ng	0.00
115) Perylene-d12	13.828	264	150916	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	24167	10.61	ng	0.00
Spiked Amount 100.000			Recovery = 10.61%			
16) Phenol-d5	5.104	99	34857	11.11	ng	0.00
Spiked Amount 100.000			Recovery = 11.11%			
32) Nitrobenzene-d5	5.863	128	5442	4.67	ng	0.00
Spiked Amount 50.000			Recovery = 9.34%			
56) 2-Fluorobiphenyl	7.247	172	23257	5.22	ng	0.00
Spiked Amount 50.000			Recovery = 10.44%			
88) 2,4,6-Tribromophenol	8.513	330	2791	8.47	ng	0.00
Spiked Amount 100.000			Recovery = 8.47%			
105) Terphenyl-d14	11.008	244	16692	4.75	ng	0.00
Spiked Amount 50.000			Recovery = 9.50%			
Target Compounds						Qvalue
8) Pyridine	2.423	79	32250	9.99	ng	92
9) N-Nitrosodimethylamine	2.353	74	18762	9.83	ng	86
11) Chloroacetamide	4.442	93	5022	8.21	ng	48
12) Benzaldehyde	5.014	77	18362	9.46	ng	84
13) Aniline	5.115	93	33935	10.00	ng	84
14) Pentachloroethane	5.158	117	8858	10.86	ng	95
15) bis(2-Chloroethyl)ether	5.184	93	29702	11.25	ng	87
17) Phenol	5.120	94	40005	11.25	ng	76
18) 2-Chlorophenol	5.222	128	24565	10.22	ng	94
19) N-Decane	5.281	57	34776	10.88	ng	93
20) 3-Chlorophenol	6.413	128	24432	10.55	ng	83
21) 1,3-Dichlorobenzene	5.350	146	28269	11.07	ng	98
22) 1,4-Dichlorobenzene	5.420	146	29296	11.30	ng	95
23) 1,2-Dichlorobenzene	5.542	146	26188	10.84	ng	99
24) Benzyl alcohol	5.532	108	17348	10.72	ng	78
25) bis(2-chloroisopropyl)...	5.644	45	52254	11.59	ng	100
26) 2-Methylphenol	5.633	108	25448	11.07	ng	95
27) Acetophenone	5.745	105	40362	11.13	ng	68
28) Hexachloroethane	5.826	117	11513	10.49	ng	94
29) N-Nitroso-di-n-propyla...	5.745	70	20725	11.04	ng	91
30) 3&4-Methylphenol	5.761	108	26491	10.81	ng	97
33) Nitrobenzene	5.879	77	32146	10.29	ng	93
34) Isophorone	6.071	82	54616	10.04	ng	94
35) 2-Nitrophenol	6.135	139	10506	8.50	ng	88
36) 2,4-Dimethylphenol	6.173	107	26237	10.23	ng	94
37) Benzoic Acid	6.232	105	5668m	3.97	ng	
38) bis(2-Chloroethoxy)met...	6.242	93	33913	10.58	ng	98
39) 2,4-Dichlorophenol	6.322	162	17784	9.87	ng	96
40) 1,2,4-Trichlorobenzene	6.381	180	21801	10.83	ng	99
41) Naphthalene	6.440	128	73727	10.17	ng	99
42) 3-Chloroaniline	6.467	127	26234	9.08	ng	92
43) 4-Chloroaniline	6.483	127	21430m	9.33	ng	
44) Hexachlorobutadiene	6.536	225	9076	10.37	ng	96
45) Caprolactam	6.728	113	6996	9.12	ng	68
46) 4-Chloro-3-methylphenol	6.851	107	21202	9.88	ng	92
47) 2-Methylnaphthalene	6.963	142	45804	10.49	ng	97
48) Methylnaphthalenes (To...	6.963	142	46015	10.56	ng	97
49) 2,4-Dichloroaniline	7.081	161	22980	11.11	ng	95
50) 1,1'-Biphenyl	7.321	154	63708	10.95	ng	99
52) 1,2,4,5-Tetrachloroben...	7.092	216	19082	11.36	ng	98
53) Hexachlorocyclopentadiene	7.081	237	5199	7.50	ng	82
54) 2,4,6-Trichlorophenol	7.182	196	10762	10.10	ng	95
55) 2,4,5-Trichlorophenol	7.215	196	10610	9.23	ng	97
57) 1,2,3,4-Tetrachloroben...	7.311	214	14220	11.03	ng	52
58) 2-Chloronaphthalene	7.343	162	42098	11.03	ng	96
59) 3,4-Dichlorophenol	7.407	162	17751	10.46	ng	90
60) 3,4-Dichloroaniline	7.524	161	19387	9.12	ng	96
61) 1,4-Dimethylnaphthalene	7.610	156	31590	10.91	ng	96
62) Dimethylnaphthalenes (...	7.610	156	31590	10.91	ng	96
63) Diphenyl Ether	7.407	170	31423	11.06	ng	94
64) 2-Nitroaniline	7.418	65	20790	10.46	ng	91
65) Coumarin	7.594	146	18875	10.82	ng	73

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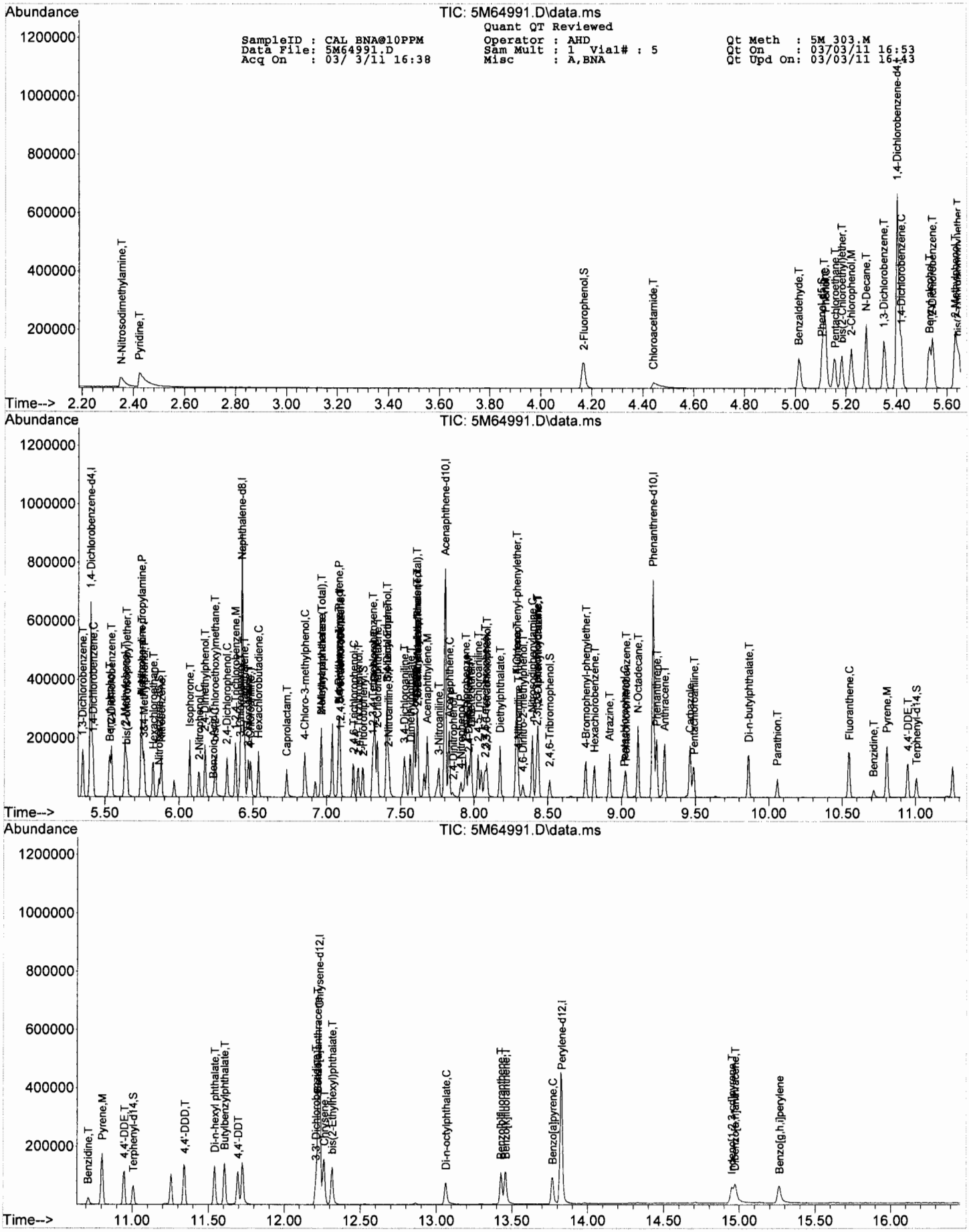
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64991.D Sam Mult : 1 Vial# : 5 Qt On : 03/03/11 16:53
Acq On : 03/ 3/11 16:38 Misc : A,BNA Qt Upd On: 03/03/11 16:43

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.679	152	68158	10.51 ng	99
67) Dimethylphthalate	7.567	163	44833	10.46 ng	99
68) 2,6-Dinitrotoluene	7.615	165	9422	10.00 ng	95
69) Acenaphthene	7.829	153	43097	10.80 ng	96
70) 3-Nitroaniline	7.759	138	10964	10.22 ng	91
71) 2,4-Dinitrophenol	7.856	184	1569	3.68 ng	31
72) Pentachlorobenzene	7.941	250	12543	10.62 ng	100
73) Dibenzofuran	7.978	168	58615	10.75 ng	90
74) 2,4,5-Trichloroaniline	8.027	195	16259	11.33 ng	98
75) 2,4-Dinitrotoluene	7.962	165	12396	10.14 ng	90
76) 4-Nitrophenol	7.909	65	8418	7.09 ng	97
77) 2,3,4,5-Tetrachlorophenol	8.075	232	7846m	9.11 ng	
78) 2,3,4,6-Tetrachlorophenol	8.085	232	7910m	9.69 ng	
79) Fluorene	8.288	166	46483	11.20 ng	99
80) 4-Chlorophenyl-phenyle...	8.288	204	18599	10.93 ng	94
81) Diethylphthalate	8.176	149	47118	10.52 ng	99
82) 4-Nitroaniline	8.299	138	11694	9.64 ng	98
83) 2,3,5,6-Tetrachloroani...	8.427	231	13386	10.99 ng	94
84) Atrazine	8.919	200	10463	9.80 ng	94
86) 4,6-Dinitro-2-methylph...	8.331	198	3529	5.45 ng	10
87) n-Nitrosodiphenylamine	8.395	169	39098	10.61 ng	98
89) 1,2-Diphenylhydrazine	8.433	77	72758	10.83 ng	97
90) 4-Bromophenyl-phenylether	8.758	248	8495	10.48 ng	89
91) Hexachlorobenzene	8.817	284	8705	10.87 ng	96
92) N-Octadecane	9.111	57	43030	11.07 ng	98
93) Pentachloronitrobenzene	9.031	237	3667	9.09 ng	86
94) Pentachlorophenol	9.020	266	2599	5.19 ng	91
95) Phenanthrene	9.239	178	66110	10.81 ng	96
96) Anthracene	9.293	178	63359	10.41 ng	99
97) Pentachloroaniline	9.490	265	8800	10.10 ng	97
98) Carbazole	9.464	167	62779	10.32 ng	97
99) Di-n-butylphthalate	9.864	149	68921	9.72 ng	98
100) Parathion	10.057	291	1121m	4.77 ng	
101) Fluoranthene	10.548	202	59746	10.15 ng	98
103) Pyrene	10.805	202	64180	10.17 ng	97
104) Benzidine	10.714	184	10675	4.06 ng	99
106) 4,4'-DDE	10.949	246	9862	9.61 ng	90
107) 4,4'-DDD	11.344	235	19766	9.78 ng	82
108) Di-n-hexyl phthalate	11.542	149	61318	7.40 ng	100
109) Butylbenzylphthalate	11.606	149	30904	9.59 ng	94
110) 4,4'-DDT	11.697	235	15559	9.34 ng	82
111) 3,3'-Dichlorobenzidine	12.210	252	11004	6.98 ng	85
112) Benzo[a]anthracene	12.220	228	50568	10.09 ng	98
113) Chrysene	12.263	228	52742	10.43 ng	99
114) bis(2-Ethylhexyl)phtha...	12.316	149	34763	7.60 ng	98
116) Di-n-octylphthalate	13.064	149	44210	7.30 ng	98
117) Benzo[b]fluoranthene	13.428	252	38399	9.59 ng	93
118) Benzo[k]fluoranthene	13.460	252	44812	10.38 ng	98
119) Benzo[a]pyrene	13.769	252	39640	10.07 ng	94
120) Indeno[1,2,3-cd]pyrene	14.950	276	32871	8.91 ng	74
121) Dibenzo[a,h]anthracene	14.971	278	27478	9.11 ng	84
122) Benzo[g,h,i]perylene	15.265	276	31157	9.80 ng	93

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M64991.D
Acq On : 03/ 3/11 16:38
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 16:53
Qt Upd On: 03/03/11 16:43
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64984.D Sam Mult : 1 Vial# : 6 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:28 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	81569	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	311230	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	160204	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	267238	40.00	ng	0.00
102) Chrysene-d12	12.231	240	202075	40.00	ng	0.00
115) Perylene-d12	13.823	264	170067	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	55481	20.37	ng	0.00
Spiked Amount 100.000			Recovery = 20.37%			
16) Phenol-d5	5.104	99	80610	21.39	ng	0.00
Spiked Amount 100.000			Recovery = 21.39%			
32) Nitrobenzene-d5	5.863	128	13831	10.29	ng	0.00
Spiked Amount 50.000			Recovery = 20.58%			
56) 2-Fluorobiphenyl	7.241	172	54876	10.76	ng	0.00
Spiked Amount 50.000			Recovery = 21.52%			
88) 2,4,6-Tribromophenol	8.513	330	7118	20.06	ng	0.00
Spiked Amount 100.000			Recovery = 20.06%			
105) Terphenyl-d14	11.007	244	40621	10.48	ng	0.00
Spiked Amount 50.000			Recovery = 20.96%			
Target Compounds						Qvalue
8) Pyridine	2.406	79	78034	20.76	ng	85
9) N-Nitrosodimethylamine	2.342	74	46533	20.77	ng	86
11) Chloroacetamide	4.431	93	13834	20.90	ng	40
12) Benzaldehyde	5.013	77	46471	23.86	ng	89
13) Aniline	5.115	93	92355	23.75	ng	78
14) Pentachloroethane	5.152	117	20591	20.99	ng	92
15) bis(2-Chloroethyl)ether	5.184	93	68842	21.81	ng	90
17) Phenol	5.115	94	89531	21.27	ng	53
18) 2-Chlorophenol	5.222	128	59994	21.15	ng	92
19) N-Decane	5.281	57	83275	21.67	ng	95
20) 3-Chlorophenol	6.413	128	61255	21.78	ng	89
21) 1,3-Dichlorobenzene	5.350	146	63433	20.81	ng	96
22) 1,4-Dichlorobenzene	5.419	146	66395	21.44	ng	97
23) 1,2-Dichlorobenzene	5.542	146	62625	21.69	ng	98
24) Benzyl alcohol	5.532	108	41346	21.46	ng	80
25) bis(2-chloroisopropyl)...	5.644	45	117314	21.81	ng	98
26) 2-Methylphenol	5.633	108	60681	22.36	ng	98
27) Acetophenone	5.745	105	95043	21.98	ng	67
28) Hexachloroethane	5.820	117	27136	21.28	ng	89
29) N-Nitroso-di-n-propyla...	5.745	70	50304	22.57	ng	91
30) 3&4-Methylphenol	5.761	108	63630	22.34	ng	97
33) Nitrobenzene	5.879	77	77625	21.70	ng	93
34) Isophorone	6.071	82	131914	21.40	ng	97
35) 2-Nitrophenol	6.130	139	29232	21.05	ng	82
36) 2,4-Dimethylphenol	6.173	107	63817	21.67	ng	97
37) Benzoic Acid	6.242	105	27708	14.16	ng	93
38) bis(2-Chloroethoxy)met...	6.242	93	79921	21.97	ng	98
39) 2,4-Dichlorophenol	6.322	162	44111	21.36	ng	94
40) 1,2,4-Trichlorobenzene	6.381	180	49519	21.42	ng	99
41) Naphthalene	6.440	128	175548	20.67	ng	99
42) 3-Chloroaniline	6.467	127	71807	22.35	ng	91
43) 4-Chloroaniline	6.483	127	55260	21.95	ng	84
44) Hexachlorobutadiene	6.536	225	21144	20.84	ng	97
45) Caprolactam	6.734	113	18789	21.10	ng	62
46) 4-Chloro-3-methylphenol	6.851	107	52919	21.20	ng	94
47) 2-Methylnaphthalene	6.963	142	111013	22.24	ng	97
48) Methylnaphthalenes (To...	6.963	142	111164	22.27	ng	97
49) 2,4-Dichloroaniline	7.081	161	55242	24.15	ng	95
50) 1,1'-Biphenyl	7.321	154	152100	23.03	ng	99
52) 1,2,4,5-Tetrachloroben...	7.092	216	44011	22.67	ng	99
53) Hexachlorocyclopentadiene	7.081	237	15887	21.10	ng	97
54) 2,4,6-Trichlorophenol	7.177	196	25447	20.74	ng	96
55) 2,4,5-Trichlorophenol	7.214	196	29127	22.19	ng	98
57) 1,2,3,4-Tetrachloroben...	7.311	214	32986	22.64	ng	55
58) 2-Chloronaphthalene	7.343	162	95045	21.47	ng	96
59) 3,4-Dichlorophenol	7.401	162	44080	22.58	ng	93
60) 3,4-Dichloroaniline	7.524	161	49062	27.89	ng	96
61) 1,4-Dimethylnaphthalene	7.610	156	76974	23.18	ng	96
62) Dimethylnaphthalenes (...	7.610	156	76974	23.18	ng	96
63) Diphenyl Ether	7.407	170	75653	23.19	ng	92
64) 2-Nitroaniline	7.417	65	50901	22.55	ng	91
65) Coumarin	7.594	146	45789	23.12	ng	76

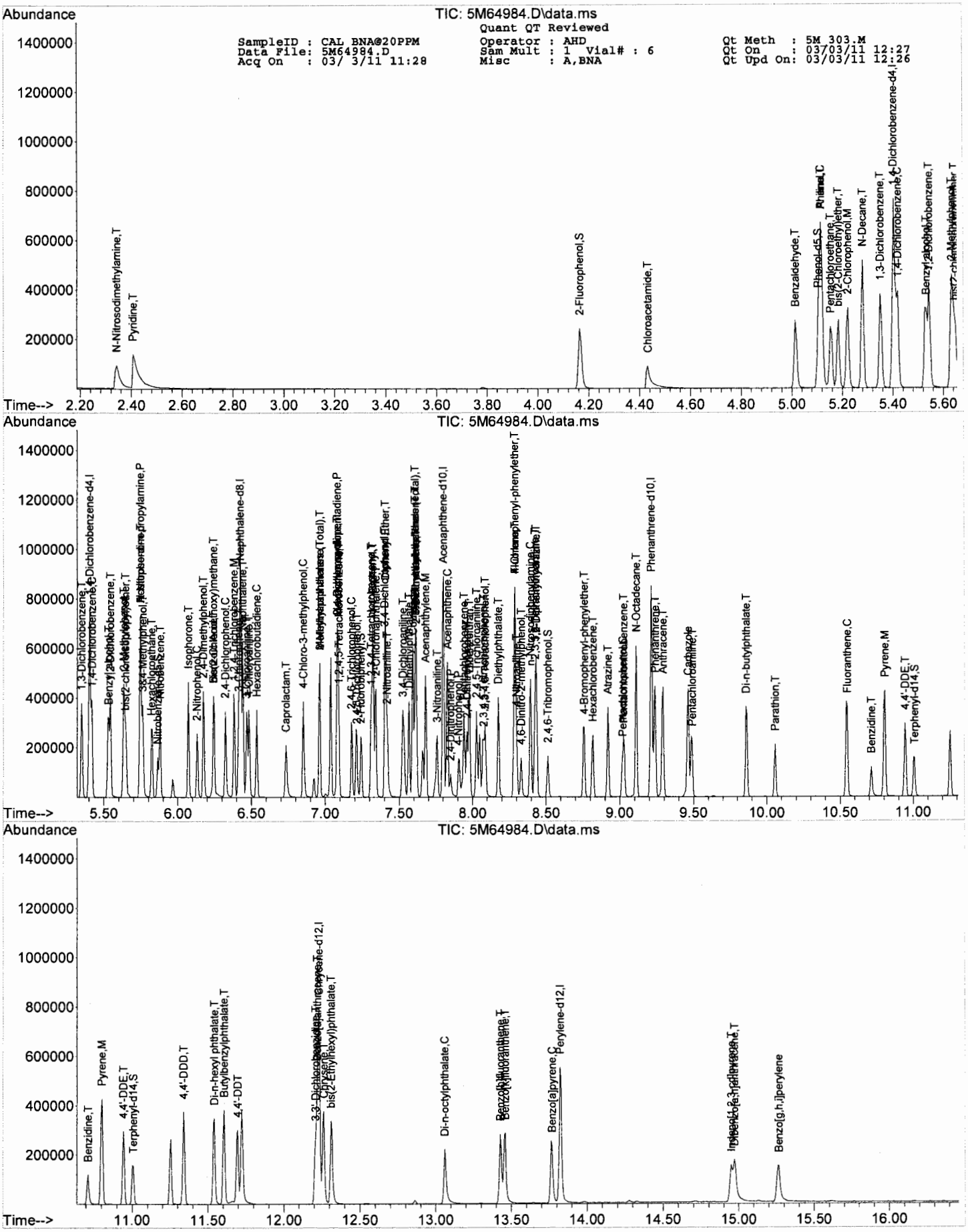
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64984.D Sam Mult : 1 Vial# : 6 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:28 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.679	152	166421	22.33	ng	100
67)	Dimethylphthalate	7.567	163	108420	21.76	ng	99
68)	2,6-Dinitrotoluene	7.615	165	24133	22.29	ng	90
69)	Acenaphthene	7.829	153	101415	21.80	ng	99
70)	3-Nitroaniline	7.759	138	27091	22.79	ng	87
71)	2,4-Dinitrophenol	7.850	184	8097	14.30	ng	66
72)	Pentachlorobenzene	7.941	250	29811	21.61	ng	98
73)	Dibenzofuran	7.978	168	135029	21.39	ng	91
74)	2,4,5-Trichloroaniline	8.026	195	36399	22.32	ng	96
75)	2,4-Dinitrotoluene	7.962	165	30742	21.38	ng	92
76)	4-Nitrophenol	7.904	65	25671	20.51	ng	99
77)	2,3,4,5-Tetrachlorophenol	8.075	232	22415	23.55	ng	98
78)	2,3,4,6-Tetrachlorophenol	8.085	232	16953	19.12	ng	86
79)	Fluorene	8.288	166	109758	22.81	ng	100
80)	4-Chlorophenyl-phenyle...	8.288	204	43832	22.24	ng	97
81)	Diethylphthalate	8.176	149	109843	21.39	ng	99
82)	4-Nitroaniline	8.299	138	31074	21.99	ng	94
83)	2,3,5,6-Tetrachloroani...	8.427	231	31763	22.60	ng	99
84)	Atrazine	8.919	200	26833	22.09	ng	95
86)	4,6-Dinitro-2-methylph...	8.331	198	13099	17.28	ng	14
87)	n-Nitrosodiphenylamine	8.395	169	93514	21.62	ng	98
89)	1,2-Diphenylhydrazine	8.432	77	177336	22.64	ng	97
90)	4-Bromophenyl-phenylether	8.758	248	20587	21.03	ng	92
91)	Hexachlorobenzene	8.817	284	20086	21.10	ng	96
92)	N-Octadecane	9.111	57	103810	23.00	ng	94
93)	Pentachloronitrobenzene	9.025	237	9925	21.99	ng	92
94)	Pentachlorophenol	9.020	266	9125	17.20	ng	92
95)	Phenanthrene	9.239	178	149836	21.17	ng	99
96)	Anthracene	9.293	178	153015	21.41	ng	100
97)	Pentachloroaniline	9.490	265	21915	21.99	ng	97
98)	Carbazole	9.464	167	154592	21.75	ng	99
99)	Di-n-butylphthalate	9.859	149	175139	21.23	ng	99
100)	Parathion	10.057	291	4117	17.02	ng	95
101)	Fluoranthene	10.548	202	145995	21.34	ng	97
103)	Pyrene	10.804	202	157079	22.37	ng	99
104)	Benzidine	10.714	184	40963	22.58	ng	94
106)	4,4'-DDE	10.943	246	24819	21.58	ng	88
107)	4,4'-DDD	11.339	235	48979	21.91	ng	82
108)	Di-n-hexyl phthalate	11.542	149	169959	21.60	ng	100
109)	Butylbenzylphthalate	11.606	149	79689	22.48	ng	88
110)	4,4'-DDT	11.697	235	42100	21.32	ng	82
111)	3,3'-Dichlorobenzidine	12.209	252	31435	24.41	ng	98
112)	Benzo[a]anthracene	12.220	228	123163	22.01	ng	97
113)	Chrysene	12.263	228	123399	22.11	ng	97
114)	bis(2-Ethylhexyl)phtha...	12.311	149	91931	20.92	ng	99
116)	Di-n-octylphthalate	13.059	149	122869	16.87	ng	99
117)	Benzo[b]fluoranthene	13.428	252	96134	21.28	ng	95
118)	Benzo[k]fluoranthene	13.460	252	106799m	21.81	ng	
119)	Benzo[a]pyrene	13.769	252	96837	21.84	ng	98
120)	Indeno[1,2,3-cd]pyrene	14.950	276	84036	20.64	ng	80
121)	Dibenzo[a,h]anthracene	14.971	278	69881	20.75	ng	86
122)	Benzo[g,h,i]perylene	15.265	276	74045	20.73	ng	91

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M64984.D
Acq On : 03/ 3/11 11:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 12:27
Qt Upd On: 03/03/11 12:26
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64985.D Sam Mult : 1 Vial# : 7 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:52 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	72857	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	274280	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	139870	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	228939	40.00	ng	0.00
102) Chrysene-d12	12.236	240	177210	40.00	ng	0.00
115) Perylene-d12	13.828	264	146344	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	196567	80.81	ng	0.00
Spiked Amount 100.000			Recovery = 80.81%			
16) Phenol-d5	5.110	99	267140	79.35	ng	0.00
Spiked Amount 100.000			Recovery = 79.35%			
32) Nitrobenzene-d5	5.863	128	48503	40.94	ng	0.00
Spiked Amount 50.000			Recovery = 81.88%			
56) 2-Fluorobiphenyl	7.246	172	181264	40.70	ng	0.00
Spiked Amount 50.000			Recovery = 81.40%			
88) 2,4,6-Tribromophenol	8.518	330	26414	86.87	ng	0.00
Spiked Amount 100.000			Recovery = 86.87%			
105) Terphenyl-d14	11.007	244	140706	41.39	ng	0.00
Spiked Amount 50.000			Recovery = 82.78%			
Target Compounds						Qvalue
8) Pyridine	2.390	79	271804	80.96	ng	85
9) N-Nitrosodimethylamine	2.337	74	159397	79.67	ng	87
11) Chloroacetamide	4.442	93	52885	89.44	ng	44
12) Benzaldehyde	5.013	77	109509	62.96	ng	89
13) Aniline	5.115	93	309681	89.16	ng	78
14) Pentachloroethane	5.158	117	68034	77.65	ng	91
15) bis(2-Chloroethyl)ether	5.184	93	213040	75.58	ng	95
17) Phenol	5.120	94	300784	80.02	ng	70
18) 2-Chlorophenol	5.222	128	202380	79.88	ng	95
19) N-Decane	5.281	57	272794	79.48	ng	95
20) 3-Chlorophenol	6.413	128	198991	79.21	ng	88
21) 1,3-Dichlorobenzene	5.355	146	217400	79.83	ng	97
22) 1,4-Dichlorobenzene	5.419	146	218498	79.01	ng	96
23) 1,2-Dichlorobenzene	5.542	146	202448	78.51	ng	98
24) Benzyl alcohol	5.532	108	143540	83.41	ng	83
25) bis(2-chloroisopropyl)...	5.649	45	380233	79.15	ng	99
26) 2-Methylphenol	5.633	108	197178	81.36	ng	97
27) Acetophenone	5.745	105	306324	79.30	ng	69
28) Hexachloroethane	5.825	117	91914	80.71	ng	97
29) N-Nitroso-di-n-propyla...	5.751	70	158581	79.66	ng	84
30) 3&4-Methylphenol	5.761	108	210214	82.61	ng	97
33) Nitrobenzene	5.879	77	257648	81.71	ng	94
34) Isophorone	6.077	82	443143	81.58	ng	96
35) 2-Nitrophenol	6.135	139	107905	88.15	ng	87
36) 2,4-Dimethylphenol	6.178	107	213482	82.28	ng	98
37) Benzoic Acid	6.280	105	151544	87.87	ng	96
38) bis(2-Chloroethoxy)met...	6.247	93	262060	81.73	ng	99
39) 2,4-Dichlorophenol	6.328	162	150646	82.77	ng	90
40) 1,2,4-Trichlorobenzene	6.386	180	166411	81.68	ng	97
41) Naphthalene	6.445	128	561216	75.00	ng	99
42) 3-Chloroaniline	6.472	127	234769	82.92	ng	98
43) 4-Chloroaniline	6.488	127	215940	97.34	ng	87
44) Hexachlorobutadiene	6.536	225	70052	78.35	ng	96
45) Caprolactam	6.760	113	66293	84.46	ng	68
46) 4-Chloro-3-methylphenol	6.856	107	185600	84.36	ng	90
47) 2-Methylnaphthalene	6.963	142	347144	78.91	ng	99
48) Methylnaphthalenes (To...	6.963	142	346952	78.85	ng	99
49) 2,4-Dichloroaniline	7.086	161	162388	80.56	ng	95
50) 1,1'-Biphenyl	7.327	154	462909	79.52	ng	98
52) 1,2,4,5-Tetrachloroben...	7.092	216	138139	81.48	ng	99
53) Hexachlorocyclopentadiene	7.086	237	59358	90.30	ng	98
54) 2,4,6-Trichlorophenol	7.182	196	94367	88.07	ng	98
55) 2,4,5-Trichlorophenol	7.214	196	100345	87.57	ng	96
57) 1,2,3,4-Tetrachloroben...	7.316	214	104813	82.41	ng	54
58) 2-Chloronaphthalene	7.343	162	314742	81.45	ng	98
59) 3,4-Dichlorophenol	7.407	162	142169	83.42	ng	92
60) 3,4-Dichloroaniline	7.524	161	135714	88.37	ng	96
61) 1,4-Dimethylnaphthalene	7.615	156	240937	83.10	ng	96
62) Dimethylnaphthalenes (...	7.615	156	240937	83.10	ng	96
63) Diphenyl Ether	7.407	170	226496	79.51	ng	95
64) 2-Nitroaniline	7.423	65	169404	85.95	ng	82
65) Coumarin	7.599	146	146812	84.92	ng	73

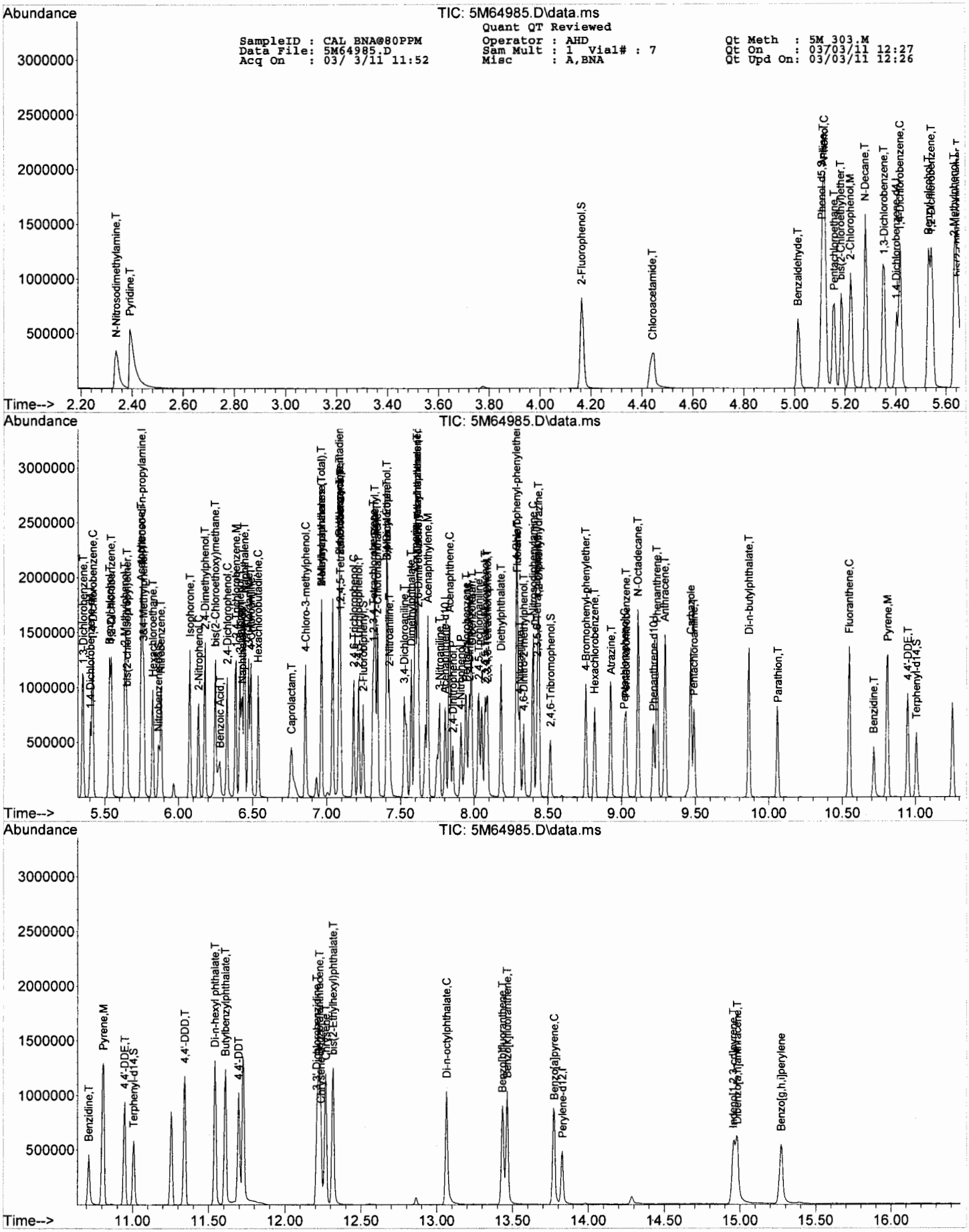
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64985.D Sam Mult : 1 Vial# : 7 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:52 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.685	152	541325	83.20	ng	99
67)	Dimethylphthalate	7.572	163	355307	81.66	ng	100
68)	2,6-Dinitrotoluene	7.620	165	79385	84.00	ng	86
69)	Acenaphthene	7.834	153	328016	80.78	ng	98
70)	3-Nitroaniline	7.765	138	94409	90.95	ng	88
71)	2,4-Dinitrophenol	7.855	184	43293	87.55	ng	56
72)	Pentachlorobenzene	7.946	250	99884	82.93	ng	98
73)	Dibenzofuran	7.984	168	432492	78.46	ng	91
74)	2,4,5-Trichloroaniline	8.032	195	122163	85.79	ng	98
75)	2,4-Dinitrotoluene	7.968	165	108901	86.76	ng	91
76)	4-Nitrophenol	7.909	65	94923	86.89	ng	95
77)	2,3,4,5-Tetrachlorophenol	8.075	232	65224	78.49	ng	98
78)	2,3,4,6-Tetrachlorophenol	8.091	232	74170	95.83	ng	69
79)	Fluorene	8.294	166	348541	82.98	ng	100
80)	4-Chlorophenyl-phenyle...	8.288	204	139667	81.19	ng	100
81)	Diethylphthalate	8.181	149	378321	84.38	ng	99
82)	4-Nitroaniline	8.310	138	108247	87.74	ng	92
83)	2,3,5,6-Tetrachloroani...	8.427	231	99949	81.46	ng	95
84)	Atrazine	8.929	200	93642	88.30	ng	100
86)	4,6-Dinitro-2-methylph...	8.336	198	56354	86.79	ng	26
87)	n-Nitrosodiphenylamine	8.400	169	307113	82.88	ng	98
89)	1,2-Diphenylhydrazine	8.438	77	510504	76.09	ng	98
90)	4-Bromophenyl-phenylether	8.758	248	70649	84.25	ng	89
91)	Hexachlorobenzene	8.817	284	66671	81.77	ng	94
92)	N-Octadecane	9.111	57	334239	86.43	ng	94
93)	Pentachloronitrobenzene	9.031	237	34205	88.46	ng	85
94)	Pentachlorophenol	9.020	266	41083	90.37	ng	99
95)	Phenanthrene	9.239	178	489647	80.75	ng	99
96)	Anthracene	9.293	178	524407	85.66	ng	100
97)	Pentachloroaniline	9.490	265	71158	83.34	ng	99
98)	Carbazole	9.469	167	500867	82.25	ng	99
99)	Di-n-butylphthalate	9.864	149	624985	88.45	ng	98
100)	Parathion	10.062	291	18425	88.93	ng	96
101)	Fluoranthene	10.548	202	500345	85.39	ng	92
103)	Pyrene	10.810	202	516721	83.90	ng	100
104)	Benzidine	10.714	184	153685	96.61	ng	98
106)	4,4'-DDE	10.949	246	82749	82.05	ng	89
107)	4,4'-DDD	11.344	235	169471	86.44	ng	81
108)	Di-n-hexyl phthalate	11.542	149	635859	92.15	ng	100
109)	Butylbenzylphthalate	11.611	149	274209	88.22	ng	88
110)	4,4'-DDT	11.697	235	148066	85.51	ng	83
111)	3,3'-Dichlorobenzidine	12.209	252	114085	101.00	ng	97
112)	Benzo[a]anthracene	12.225	228	394434	80.40	ng	99
113)	Chrysene	12.268	228	395912	80.89	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.316	149	353482	91.72	ng	99
116)	Di-n-octylphthalate	13.064	149	554751	88.52	ng	99
117)	Benzo[b]fluoranthene	13.433	252	331399	85.24	ng	95
118)	Benzo[k]fluoranthene	13.465	252	318485	75.57	ng	98
119)	Benzo[a]pyrene	13.775	252	332393	87.11	ng	98
120)	Indeno[1,2,3-cd]pyrene	14.955	276	306714	87.56	ng	75
121)	Dibenzo[a,h]anthracene	14.982	278	255326	88.09	ng	92
122)	Benzo[g,h,i]perylene	15.271	276	258056	83.96	ng	90

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


Abundance
TIC: 5M64985.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M64985.D
Acq On : 03/ 3/11 11:52
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 12:27
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64985.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Pentachlorophenol,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
Time-->

Abundance
TIC: 5M64985.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM
Data File: 5M64986.D
Acq On : 03/ 3/11 12:16
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:19
Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	78894	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	298282	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	159006	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	258449	40.00	ng	0.00
102) Chrysene-d12	12.236	240	195177	40.00	ng	0.00
115) Perylene-d12	13.828	264	164212	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	317915	120.70	ng	0.00
Spiked Amount 100.000			Recovery = 120.70%			
16) Phenol-d5	5.110	99	419334	115.02	ng	0.00
Spiked Amount 100.000			Recovery = 115.02%			
32) Nitrobenzene-d5	5.868	128	79536	61.73	ng	0.00
Spiked Amount 50.000			Recovery = 123.46%			
56) 2-Fluorobiphenyl	7.246	172	290162	57.31	ng	0.00
Spiked Amount 50.000			Recovery = 114.62%			
88) 2,4,6-Tribromophenol	8.518	330	44808	130.54	ng	0.00
Spiked Amount 100.000			Recovery = 130.54%			
105) Terphenyl-d14	11.007	244	229658	61.34	ng	0.00
Spiked Amount 50.000			Recovery = 122.68%			
Target Compounds						Qvalue
8) Pyridine	2.385	79	435750	119.86	ng	87
9) N-Nitrosodimethylamine	2.337	74	256843	118.55	ng	87
11) Chloroacetamide	4.458	93	89914	140.43	ng	35
12) Benzaldehyde	5.013	77	123044	65.33	ng	90
13) Aniline	5.120	93	469523	124.83	ng	80
14) Pentachloroethane	5.158	117	110113	116.06	ng	94
15) bis(2-Chloroethyl)ether	5.190	93	349764	114.59	ng	90
17) Phenol	5.126	94	465258	114.30	ng	84
18) 2-Chlorophenol	5.227	128	322646	117.61	ng	90
19) N-Decane	5.280	57	408333	109.87	ng	94
20) 3-Chlorophenol	6.413	128	322635	118.60	ng	89
21) 1,3-Dichlorobenzene	5.355	146	339366	115.09	ng	98
22) 1,4-Dichlorobenzene	5.419	146	336768	112.46	ng	97
23) 1,2-Dichlorobenzene	5.548	146	316067	113.19	ng	98
24) Benzyl alcohol	5.537	108	223741	120.06	ng	80
25) bis(2-chloroisopropyl)...	5.649	45	572064	109.97	ng	99
26) 2-Methylphenol	5.638	108	307606	117.21	ng	96
27) Acetophenone	5.751	105	470281	112.42	ng	68
28) Hexachloroethane	5.825	117	144622	117.27	ng	98
29) N-Nitroso-di-n-propyla...	5.756	70	240795	111.70	ng	81
30) 3&4-Methylphenol	5.767	108	326532	118.51	ng	98
33) Nitrobenzene	5.884	77	412190	120.20	ng	90
34) Isophorone	6.082	82	713427	120.76	ng	96
35) 2-Nitrophenol	6.135	139	171226	128.62	ng	87
36) 2,4-Dimethylphenol	6.178	107	341063	120.87	ng	94
37) Benzoic Acid	6.295	105	287446	153.26	ng	94
38) bis(2-Chloroethoxy)met...	6.247	93	415546	119.16	ng	99
39) 2,4-Dichlorophenol	6.328	162	241550	122.04	ng	95
40) 1,2,4-Trichlorobenzene	6.386	180	259887	117.30	ng	99
41) Naphthalene	6.445	128	885777	108.84	ng	100
42) 3-Chloroaniline	6.472	127	437994	142.25	ng	95
43) 4-Chloroaniline	6.488	127	281190	116.56	ng	85
44) Hexachlorobutadiene	6.541	225	110275	113.41	ng	97
45) Caprolactam	6.782	113	110117	129.00	ng	64
46) 4-Chloro-3-methylphenol	6.856	107	294318	123.01	ng	97
47) 2-Methylnaphthalene	6.963	142	554359	115.87	ng	100
48) Methylnaphthalenes (To...	6.963	142	554908	115.97	ng	100
49) 2,4-Dichloroaniline	7.086	161	233437	106.49	ng	94
50) 1,1'-Biphenyl	7.327	154	713538	112.71	ng	97
52) 1,2,4,5-Tetrachloroben...	7.097	216	210649	109.30	ng	97
53) Hexachlorocyclopentadiene	7.086	237	97541	130.53	ng	93
54) 2,4,6-Trichlorophenol	7.182	196	152874	125.51	ng	99
55) 2,4,5-Trichlorophenol	7.220	196	159939	122.78	ng	99
57) 1,2,3,4-Tetrachloroben...	7.316	214	162472	112.37	ng	55
58) 2-Chloronaphthalene	7.348	162	491486	111.88	ng	95
59) 3,4-Dichlorophenol	7.412	162	222554	114.87	ng	90
60) 3,4-Dichloroaniline	7.524	161	180514	103.40	ng	96
61) 1,4-Dimethylnaphthalene	7.615	156	358525	108.78	ng	98
62) Dimethylnaphthalenes (...	7.615	156	358525	108.78	ng	98
63) Diphenyl Ether	7.407	170	346406	106.96	ng	96
64) 2-Nitroaniline	7.428	65	271286	121.08	ng	75
65) Coumarin	7.604	146	218842	111.35	ng	65

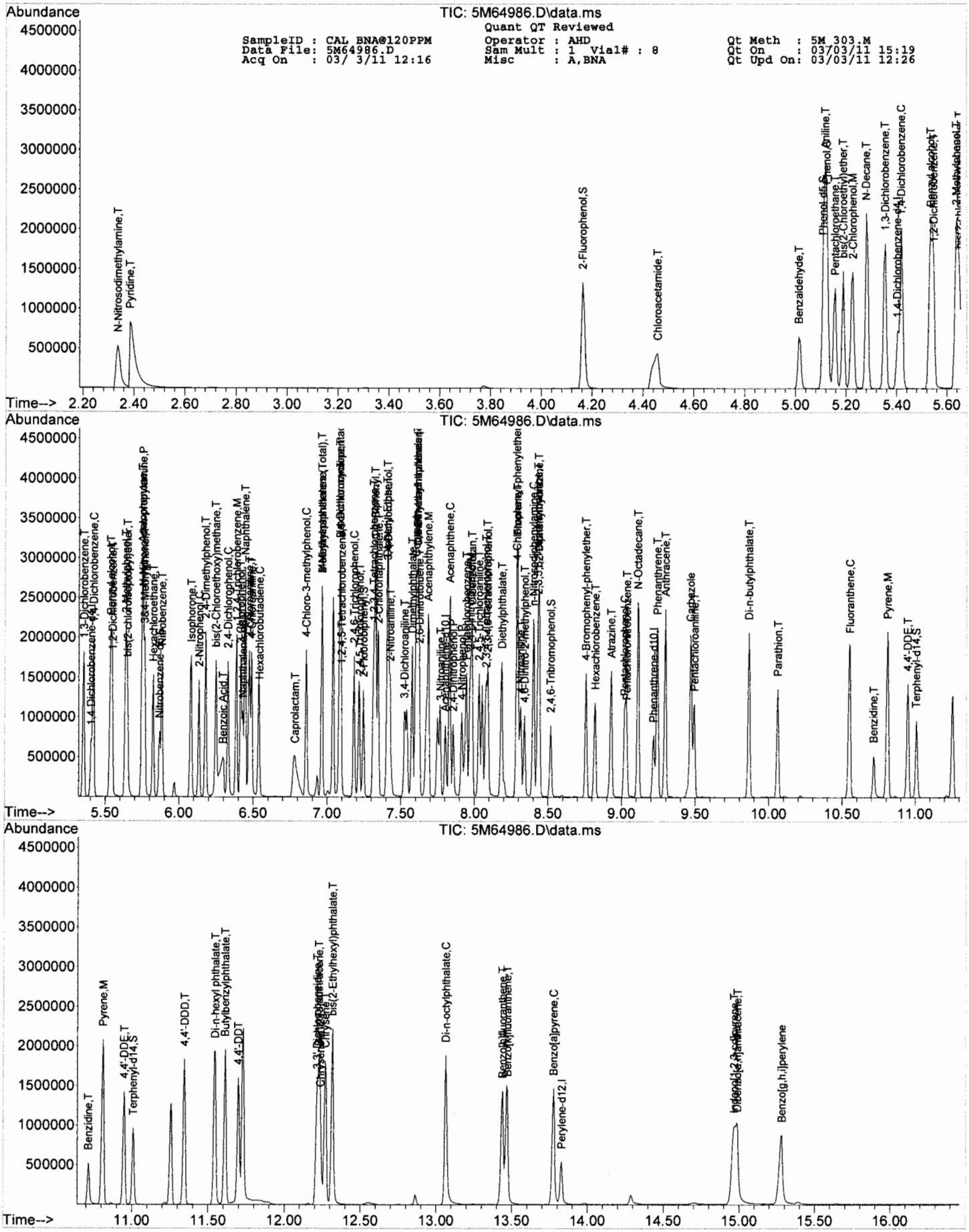
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64986.D Sam Mult : 1 Vial# : 8 Qt On : 03/03/11 15:19
Acq On : 03/ 3/11 12:16 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.684	152	859128	116.15	ng	99
67) Dimethylphthalate	7.578	163	560510	113.32	ng	100
68) 2,6-Dinitrotoluene	7.626	165	127063	118.26	ng	79
69) Acenaphthene	7.834	153	515878	111.75	ng	97
70) 3-Nitroaniline	7.770	138	141669	120.06	ng	85
71) 2,4-Dinitrophenol	7.855	184	79303	141.07	ng	65
72) Pentachlorobenzene	7.946	250	152127	111.11	ng	99
73) Dibenzofuran	7.984	168	696899	111.21	ng	93
74) 2,4,5-Trichloroaniline	8.032	195	189919	117.32	ng	98
75) 2,4-Dinitrotoluene	7.973	165	176032	123.37	ng	92
76) 4-Nitrophenol	7.914	65	161783	130.26	ng	94
77) 2,3,4,5-Tetrachlorophenol	8.080	232	132503m	140.26	ng	
78) 2,3,4,6-Tetrachlorophenol	8.090	232	97927m	111.30	ng	
79) Fluorene	8.293	166	523081	109.54	ng	98
80) 4-Chlorophenyl-phenyle...	8.288	204	215624	110.25	ng	97
81) Diethylphthalate	8.187	149	604549	118.61	ng	100
82) 4-Nitroaniline	8.315	138	171749	122.46	ng	95
83) 2,3,5,6-Tetrachloroani...	8.432	231	159378	114.26	ng	96
84) Atrazine	8.929	200	151560	125.71	ng	97
86) 4,6-Dinitro-2-methylph...	8.342	198	93655	127.77	ng	29
87) n-Nitrosodiphenylamine	8.400	169	491244	117.43	ng	99
89) 1,2-Diphenylhydrazine	8.438	77	881769	116.42	ng	98
90) 4-Bromophenyl-phenylether	8.758	248	111255	117.53	ng	85
91) Hexachlorobenzene	8.822	284	107274	116.54	ng	91
92) N-Octadecane	9.111	57	515260	118.02	ng	92
93) Pentachloronitrobenzene	9.036	237	57292	131.25	ng	91
94) Pentachlorophenol	9.020	266	70498	137.37	ng	97
95) Phenanthrene	9.244	178	793233	115.88	ng	98
96) Anthracene	9.298	178	820949	118.79	ng	99
97) Pentachloroaniline	9.495	265	117208	121.60	ng	97
98) Carbazole	9.469	167	815095	118.56	ng	99
99) Di-n-butylphthalate	9.864	149	1025900	128.61	ng	99
100) Parathion	10.062	291	33102	141.53	ng	94
101) Fluoranthene	10.553	202	787861	119.10	ng	96
103) Pyrene	10.810	202	825243	121.66	ng	99
104) Benzidine	10.714	184	181719	103.71	ng	98
106) 4,4'-DDE	10.949	246	137558	123.84	ng	89
107) 4,4'-DDD	11.344	235	275541	127.61	ng	83
108) Di-n-hexyl phthalate	11.547	149	1086894	143.02	ng	100
109) Butylbenzylphthalate	11.611	149	452764	132.26	ng	87
110) 4,4'-DDT	11.697	235	232043	121.68	ng	82
111) 3,3'-Dichlorobenzidine	12.215	252	170877	137.35	ng	98
112) Benzo[a]anthracene	12.225	228	657209	121.62	ng	99
113) Chrysene	12.268	228	613178	113.75	ng	99
114) bis(2-Ethylhexyl)phtha...	12.316	149	621715	146.47	ng	99
116) Di-n-octylphthalate	13.064	149	996351	141.68	ng	99
117) Benzo[b]fluoranthene	13.438	252	541015	124.01	ng	98
118) Benzo[k]fluoranthene	13.470	252	539610	114.11	ng	100
119) Benzo[a]pyrene	13.775	252	561245	131.07	ng	97
120) Indeno[1,2,3-cd]pyrene	14.966	276	527678	134.25	ng	78
121) Dibenzo[a,h]anthracene	14.987	278	439567	135.15	ng	94
122) Benzo[g,h,i]perylene	15.281	276	442221	128.23	ng	91

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


Abundance
TIC: 5M64986.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M64986.D
Acq On : 03/ 3/11 12:16
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:19
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64986.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
3,4-Dichloroaniline,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Pentachloroaniline,T
Carbazole
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
2,4,6-Tribromophenol,S
Time-->

Abundance
TIC: 5M64986.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64987.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 12:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	69474	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	263823	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	141173	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	224135	40.00	ng	0.00
102) Chrysene-d12	12.241	240	169891	40.00	ng	0.00
115) Perylene-d12	13.828	264	149386	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	369052	159.12	ng	0.00
Spiked Amount 100.000			Recovery = 159.12%			
16) Phenol-d5	5.115	99	476465	148.41	ng	0.00
Spiked Amount 100.000			Recovery = 148.41%			
32) Nitrobenzene-d5	5.868	128	95035	83.39	ng	0.00
Spiked Amount 50.000			Recovery = 166.78%			
56) 2-Fluorobiphenyl	7.246	172	341858	76.04	ng	0.00
Spiked Amount 50.000			Recovery = 152.08%			
88) 2,4,6-Tribromophenol	8.523	330	52419	176.10	ng	0.00
Spiked Amount 100.000			Recovery = 176.10%			
105) Terphenyl-d14	11.013	244	268548	82.41	ng	0.00
Spiked Amount 50.000			Recovery = 164.82%			
Target Compounds						Qvalue
8) Pyridine	2.390	79	519081	162.15	ng	86
9) N-Nitrosodimethylamine	2.342	74	303843	159.25	ng	86
11) Chloroacetamide	4.463	93	105672	187.42	ng	38
12) Benzaldehyde	5.013	77	122061	73.59	ng	90
13) Aniline	5.120	93	524986	158.50	ng	80
14) Pentachloroethane	5.158	117	127594	152.72	ng	93
15) bis(2-Chloroethyl)ether	5.190	93	405594	150.90	ng	91
17) Phenol	5.126	94	526178	146.80	ng	75
18) 2-Chlorophenol	5.227	128	380937	157.69	ng	90
19) N-Decane	5.286	57	469082	143.33	ng	91
20) 3-Chlorophenol	6.413	128	371449	155.05	ng	90
21) 1,3-Dichlorobenzene	5.355	146	392260	151.06	ng	98
22) 1,4-Dichlorobenzene	5.419	146	393289	149.14	ng	97
23) 1,2-Dichlorobenzene	5.548	146	357694	145.47	ng	97
24) Benzyl alcohol	5.537	108	254897	155.33	ng	85
25) bis(2-chloroisopropyl)...	5.649	45	651215	142.16	ng	100
26) 2-Methylphenol	5.638	108	358655	155.19	ng	97
27) Acetophenone	5.751	105	539867	146.56	ng	70
28) Hexachloroethane	5.825	117	169713	156.28	ng	99
29) N-Nitroso-di-n-propyla...	5.756	70	275981	145.38	ng	82
30) 3&4-Methylphenol	5.767	108	380908	156.98	ng	94
33) Nitrobenzene	5.884	77	467501	154.14	ng	93
34) Isophorone	6.082	82	836453	160.08	ng	97
35) 2-Nitrophenol	6.135	139	200176	170.01	ng	86
36) 2,4-Dimethylphenol	6.183	107	392200	157.14	ng	98
37) Benzoic Acid	6.306	105	336742	202.99	ng	94
38) bis(2-Chloroethoxy)met...	6.253	93	466034	151.10	ng	97
39) 2,4-Dichlorophenol	6.333	162	271104	154.87	ng	90
40) 1,2,4-Trichlorobenzene	6.386	180	291307	148.65	ng	99
41) Naphthalene	6.445	128	1002973	139.34	ng	99
42) 3-Chloroaniline	6.472	127	470707	172.84	ng	93
43) 4-Chloroaniline	6.488	127	332501	155.83	ng	84
44) Hexachlorobutadiene	6.541	225	127509	148.26	ng	97
45) Caprolactam	6.792	113	124664	165.12	ng	67
46) 4-Chloro-3-methylphenol	6.862	107	337979	159.71	ng	92
47) 2-Methylnaphthalene	6.963	142	628006	148.41	ng	99
48) Methylnaphthalenes (To...	6.963	142	628561	148.52	ng	99
49) 2,4-Dichloroaniline	7.086	161	258886	133.52	ng	95
50) 1,1'-Biphenyl	7.327	154	795006	141.98	ng	98
52) 1,2,4,5-Tetrachloroben...	7.097	216	239374	139.89	ng	98
53) Hexachlorocyclopentadiene	7.086	237	112435	169.47	ng	94
54) 2,4,6-Trichlorophenol	7.182	196	174301	161.18	ng	100
55) 2,4,5-Trichlorophenol	7.220	196	186402	161.17	ng	99
57) 1,2,3,4-Tetrachloroben...	7.316	214	184044	143.36	ng	54
58) 2-Chloronaphthalene	7.348	162	569597	146.03	ng	98
59) 3,4-Dichlorophenol	7.417	162	250517	145.63	ng	90
60) 3,4-Dichloroaniline	7.530	161	164538	106.15	ng	98
61) 1,4-Dimethylnaphthalene	7.615	156	396643	135.55	ng	100
62) Dimethylnaphthalenes (...	7.615	156	396643	135.55	ng	100
63) Diphenyl Ether	7.412	170	396946	138.05	ng	92
64) 2-Nitroaniline	7.428	65	307136	154.40	ng	79
65) Coumarin	7.610	146	245422	140.65	ng	61

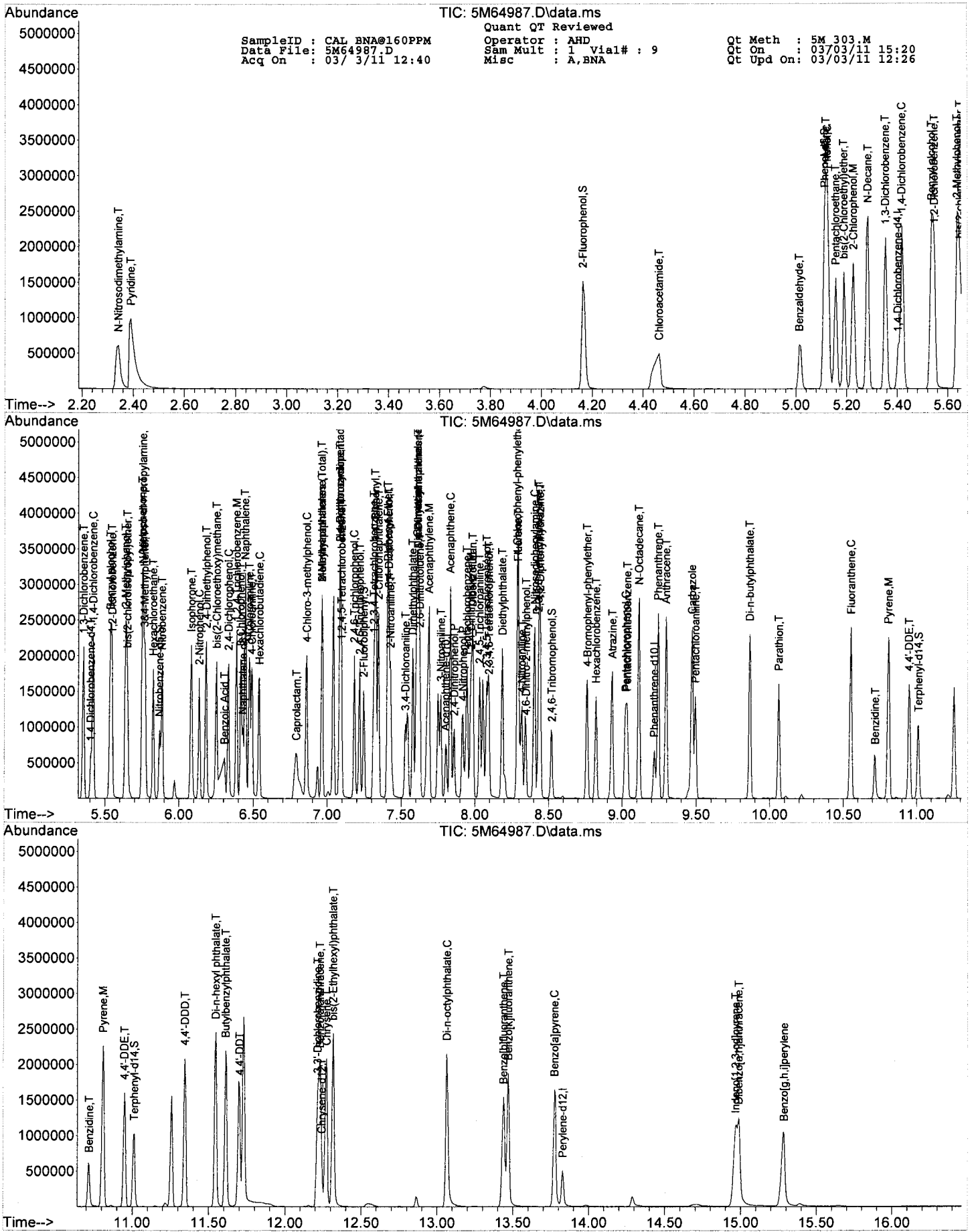
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64987.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 12:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.690	152	965405	147.00	ng	99
67) Dimethylphthalate	7.578	163	655960	149.37	ng	100
68) 2,6-Dinitrotoluene	7.626	165	146299	153.37	ng	85
69) Acenaphthene	7.834	153	587093	143.24	ng	96
70) 3-Nitroaniline	7.770	138	167637	160.01	ng	87
71) 2,4-Dinitrophenol	7.861	184	91666	183.65	ng	55
72) Pentachlorobenzene	7.946	250	175897	144.70	ng	100
73) Dibenzofuran	7.984	168	778404	139.90	ng	95
74) 2,4,5-Trichloroaniline	8.032	195	212741	148.02	ng	99
75) 2,4-Dinitrotoluene	7.973	165	200793	158.50	ng	96
76) 4-Nitrophenol	7.920	65	188943	171.35	ng	89
77) 2,3,4,5-Tetrachlorophenol	8.080	232	123645	147.42	ng	98
78) 2,3,4,6-Tetrachlorophenol	8.096	232	120264	153.96	ng	57
79) Fluorene	8.293	166	588694	138.86	ng	99
80) 4-Chlorophenyl-phenyle...	8.288	204	241753	139.23	ng	95
81) Diethylphthalate	8.187	149	694871	153.55	ng	99
82) 4-Nitroaniline	8.320	138	201177	161.56	ng	94
83) 2,3,5,6-Tetrachloroani...	8.432	231	175532	141.73	ng	96
84) Atrazine	8.935	200	173735	162.31	ng	98
86) 4,6-Dinitro-2-methylph...	8.347	198	109693	172.57	ng	40
87) n-Nitrosodiphenylamine	8.406	169	551099	151.91	ng	98
89) 1,2-Diphenylhydrazine	8.443	77	985435	150.03	ng	97
90) 4-Bromophenyl-phenylether	8.764	248	130958	159.53	ng	94
91) Hexachlorobenzene	8.822	284	122703	153.71	ng	97
92) N-Octadecane	9.116	57	574025	151.61	ng	91
93) Pentachloronitrobenzene	9.036	237	63890	168.77	ng	88
94) Pentachlorophenol	9.025	266	80405	180.66	ng	97
95) Phenanthrene	9.244	178	887411	149.48	ng	99
96) Anthracene	9.298	178	925051	154.35	ng	99
97) Pentachloroaniline	9.495	265	135235	161.78	ng	100
98) Carbazole	9.474	167	929384	155.89	ng	99
99) Di-n-butylphthalate	9.864	149	1154558	166.90	ng	99
100) Parathion	10.062	291	38282	188.74	ng	96
101) Fluoranthene	10.553	202	905046	157.77	ng	96
103) Pyrene	10.810	202	915260	155.02	ng	98
104) Benzidine	10.719	184	214170	140.43	ng	94
106) 4,4'-DDE	10.949	246	155680	161.02	ng	90
107) 4,4'-DDD	11.344	235	305311	162.44	ng	81
108) Di-n-hexyl phthalate	11.547	149	1246045	188.36	ng	100
109) Butylbenzylphthalate	11.611	149	528721	177.44	ng	90
110) 4,4'-DDT	11.702	235	270559	162.99	ng	83
111) 3,3'-Dichlorobenzidine	12.215	252	186659	172.37	ng	97
112) Benzo[a]anthracene	12.231	228	751400	159.75	ng	99
113) Chrysene	12.273	228	734009	156.43	ng	99
114) bis(2-Ethylhexyl)phtha...	12.316	149	713266	193.05	ng	99
116) Di-n-octylphthalate	13.064	149	1167889	182.55	ng	99
117) Benzo[b]fluoranthene	13.438	252	649270m	163.59	ng	
118) Benzo[k]fluoranthene	13.470	252	660937	153.64	ng	98
119) Benzo[a]pyrene	13.775	252	647614	166.26	ng	97
120) Indeno[1,2,3-cd]pyrene	14.966	276	620549	173.55	ng	78
121) Dibenzo[a,h]anthracene	14.987	278	509080	172.05	ng	89
122) Benzo[g,h,i]perylene	15.286	276	522356	166.49	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 5M64987.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M64987.D
Acq On : 03/ 3/11 12:40
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:20
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64987.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Hexachloroethane,T
Nitrobenzene-d5,I
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene-d10,I
2-Methylnaphthalene,T
1,2,4,5-Tetrachlorobenzene,T
2-Fluorobiphenyl,S
2,4,6-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
2,6-Dinitrotoluene,T
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,T
2,4-Dinitrotoluene,T
2,4,5-Trichloroaniline,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4,6-Dinitro-2-methylphenol,T
4-Nitroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64987.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64988.D Sam Mult : 1 Vial# : 10 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:04 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	72911	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	282878	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	147603	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	239246	40.00	ng	0.00
102) Chrysene-d12	12.241	240	176327	40.00	ng	0.00
115) Perylene-d12	13.828	264	152717	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	458688	188.44	ng	0.00
Spiked Amount 100.000			Recovery = 188.44%			
16) Phenol-d5	5.115	99	574182	170.42	ng	0.00
Spiked Amount 100.000			Recovery = 170.42%			
32) Nitrobenzene-d5	5.868	128	116670	95.48	ng	0.00
Spiked Amount 50.000			Recovery = 190.96%			
56) 2-Fluorobiphenyl	7.247	172	428309	91.12	ng	0.00
Spiked Amount 50.000			Recovery = 182.24%			
88) 2,4,6-Tribromophenol	8.523	330	67506	212.46	ng	0.00
Spiked Amount 100.000			Recovery = 212.46%			
105) Terphenyl-d14	11.013	244	336041	99.35	ng	0.00
Spiked Amount 50.000			Recovery = 198.70%			
Target Compounds						Qvalue
8) Pyridine	2.385	79	684955	203.87	ng	85
9) N-Nitrosodimethylamine	2.342	74	387128	193.34	ng	84
11) Chloroacetamide	4.474	93	132728	224.32	ng	39
12) Benzaldehyde	5.013	77	127878	73.46	ng	88
13) Aniline	5.120	93	611460	175.90	ng	83
14) Pentachloroethane	5.158	117	157396	179.51	ng	93
15) bis(2-Chloroethyl)ether	5.190	93	497444	176.35	ng	92
17) Phenol	5.131	94	644473	171.33	ng	97
18) 2-Chlorophenol	5.227	128	470368	185.53	ng	92
19) N-Decane	5.286	57	548879	159.81	ng	91
20) 3-Chlorophenol	6.418	128	465020	184.96	ng	89
21) 1,3-Dichlorobenzene	5.355	146	476906	175.00	ng	98
22) 1,4-Dichlorobenzene	5.419	146	479549	173.28	ng	96
23) 1,2-Dichlorobenzene	5.548	146	425974	165.07	ng	98
24) Benzyl alcohol	5.537	108	309408	179.66	ng	86
25) bis(2-chloroisopropyl)...	5.649	45	750594	156.13	ng	97
26) 2-Methylphenol	5.638	108	436231	179.85	ng	96
27) Acetophenone	5.751	105	659525	170.60	ng	70
28) Hexachloroethane	5.825	117	210019	184.27	ng	99
29) N-Nitroso-di-n-propyla...	5.761	70	338998	170.16	ng	78
30) 3&4-Methylphenol	5.772	108	477000	187.32	ng	100
33) Nitrobenzene	5.884	77	579845	178.30	ng	94
34) Isophorone	6.082	82	1050485	187.50	ng	98
35) 2-Nitrophenol	6.135	139	251132	198.92	ng	87
36) 2,4-Dimethylphenol	6.183	107	495967	185.33	ng	94
37) Benzoic Acid	6.317	105	460913	259.13	ng	93
38) bis(2-Chloroethoxy)met...	6.253	93	581256	175.76	ng	98
39) 2,4-Dichlorophenol	6.333	162	345372	184.00	ng	93
40) 1,2,4-Trichlorobenzene	6.386	180	362677	172.60	ng	99
41) Naphthalene	6.445	128	1219368	157.99	ng	99
42) 3-Chloroaniline	6.477	127	533394	182.67	ng	99
43) 4-Chloroaniline	6.493	127	411933	180.05	ng	88
44) Hexachlorobutadiene	6.541	225	157561	170.86	ng	96
45) Caprolactam	6.798	113	178998	221.12	ng	65
46) 4-Chloro-3-methylphenol	6.862	107	416026	183.35	ng	94
47) 2-Methylnaphthalene	6.963	142	760706	167.66	ng	99
48) Methylnaphthalenes (To...	6.963	142	759028	167.26	ng	99
49) 2,4-Dichloroaniline	7.086	161	302425	145.47	ng	94
50) 1,1'-Biphenyl	7.332	154	963390	160.47	ng	95
52) 1,2,4,5-Tetrachloroben...	7.097	216	286231	159.99	ng	99
53) Hexachlorocyclopentadiene	7.086	237	139555	201.18	ng	93
54) 2,4,6-Trichlorophenol	7.182	196	207644	183.65	ng	99
55) 2,4,5-Trichlorophenol	7.220	196	232830	192.54	ng	97
57) 1,2,3,4-Tetrachloroben...	7.316	214	229433	170.94	ng	54
58) 2-Chloronaphthalene	7.348	162	692899	169.91	ng	98
59) 3,4-Dichlorophenol	7.417	162	316471	175.96	ng	89
60) 3,4-Dichloroaniline	7.530	161	177239	109.37	ng	97
61) 1,4-Dimethylnaphthalene	7.620	156	463258	151.42	ng	95
62) Dimethylnaphthalenes (...	7.620	156	463258	151.42	ng	95
63) Diphenyl Ether	7.412	170	491733	163.57	ng	93
64) 2-Nitroaniline	7.428	65	377662	181.58	ng	81
65) Coumarin	7.610	146	281660	154.38	ng	55

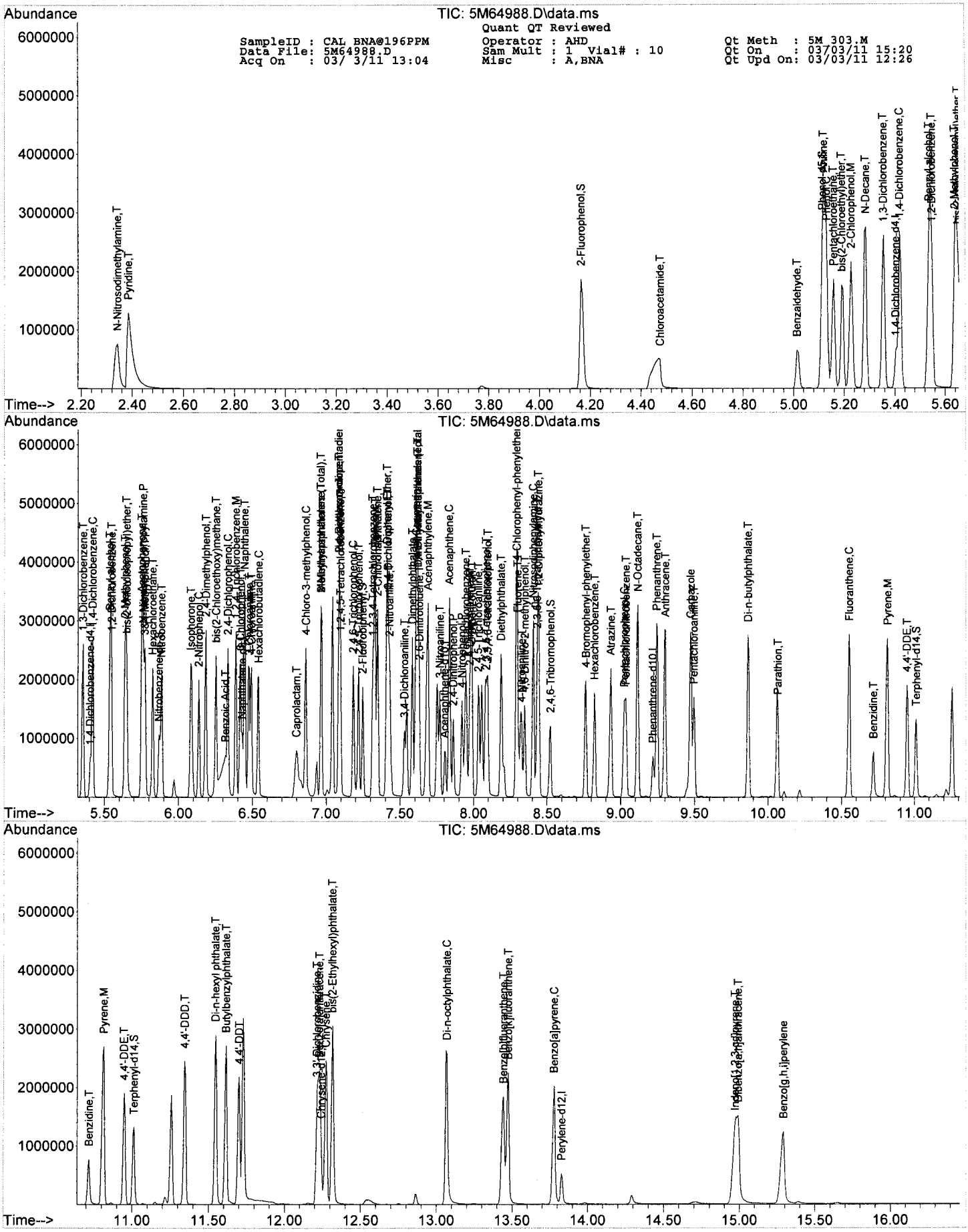
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64988.D Sam Mult : 1 Vial# : 10 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:04 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.690	152	1173850	170.96	ng	100
67)	Dimethylphthalate	7.583	163	803241	174.94	ng	100
68)	2,6-Dinitrotoluene	7.631	165	181752	182.23	ng	77
69)	Acenaphthene	7.834	153	719665	167.94	ng	96
70)	3-Nitroaniline	7.770	138	206800	188.79	ng	92
71)	2,4-Dinitrophenol	7.861	184	116888	223.99	ng	64
72)	Pentachlorobenzene	7.946	250	218592	171.99	ng	99
73)	Dibenzofuran	7.989	168	929527	159.79	ng	92
74)	2,4,5-Trichloroaniline	8.032	195	246957	164.34	ng	98
75)	2,4-Dinitrotoluene	7.973	165	245410	185.28	ng	97
76)	4-Nitrophenol	7.920	65	237903	206.35	ng	89
77)	2,3,4,5-Tetrachlorophenol	8.085	232	209495	238.89	ng	97
78)	2,3,4,6-Tetrachlorophenol	8.096	232	111137	136.08	ng	32
79)	Fluorene	8.299	166	694705	156.72	ng	97
80)	4-Chlorophenyl-phenyle...	8.294	204	284130	156.51	ng	99
81)	Diethylphthalate	8.187	149	848552	179.35	ng	98
82)	4-Nitroaniline	8.326	138	255128	195.96	ng	90
83)	2,3,5,6-Tetrachloroani...	8.432	231	215363	166.32	ng	96
84)	Atrazine	8.935	200	218881	195.58	ng	99
86)	4,6-Dinitro-2-methylph...	8.347	198	144890	213.54	ng	29
87)	n-Nitrosodiphenylamine	8.406	169	672905	173.77	ng	98
89)	1,2-Diphenylhydrazine	8.443	77	1172616	167.25	ng	98
90)	4-Bromophenyl-phenylether	8.764	248	156142	178.19	ng	91
91)	Hexachlorobenzene	8.822	284	148763	174.59	ng	97
92)	N-Octadecane	9.116	57	693551	171.61	ng	87
93)	Pentachloronitrobenzene	9.036	237	80364	198.88	ng	84
94)	Pentachlorophenol	9.025	266	102572	215.91	ng	97
95)	Phenanthrene	9.245	178	1097395	173.17	ng	99
96)	Anthracene	9.303	178	1111532	173.75	ng	99
97)	Pentachloroaniline	9.496	265	163360	183.08	ng	99
98)	Carbazole	9.474	167	1135906	178.49	ng	99
99)	Di-n-butylphthalate	9.864	149	1438694	194.84	ng	100
100)	Parathion	10.067	291	47965	221.55	ng	94
101)	Fluoranthene	10.553	202	1120721	183.02	ng	97
103)	Pyrene	10.815	202	1169991	190.93	ng	98
104)	Benzidine	10.719	184	267404	168.93	ng	96
106)	4,4'-DDE	10.949	246	190197	189.54	ng	90
107)	4,4'-DDD	11.344	235	384017	196.86	ng	80
108)	Di-n-hexyl phthalate	11.547	149	1531745	223.10	ng	100
109)	Butylbenzylphthalate	11.616	149	639963	206.93	ng	87
110)	4,4'-DDT	11.702	235	331236	192.26	ng	82
111)	3,3'-Dichlorobenzidine	12.215	252	223697	199.03	ng	98
112)	Benzo[a]anthracene	12.231	228	893522	183.03	ng	99
113)	Chrysene	12.274	228	893772	183.52	ng	100
114)	bis(2-Ethylhexyl)phtha...	12.316	149	890161	232.13	ng	98
116)	Di-n-octylphthalate	13.070	149	1483094	226.77	ng	100
117)	Benzo[b]fluoranthene	13.444	252	817985m	201.61	ng	
118)	Benzo[k]fluoranthene	13.476	252	853353	194.05	ng	99
119)	Benzo[a]pyrene	13.780	252	784968	197.12	ng	98
120)	Indeno[1,2,3-cd]pyrene	14.971	276	775644	212.20	ng	78
121)	Dibenzo[a,h]anthracene	14.993	278	633690	209.50	ng	91
122)	Benzo[g,h,i]perylene	15.292	276	665245	207.41	ng	91

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


Abundance
TIC: 5M64988.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 5M64988.D
Acq On : 03/ 3/11 13:04
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:20
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Pentachloroethane,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64988.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthene,C
Fluorene,T
4-Chlorophenyl-phenylether,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64988.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64982.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 10:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.404	152	69507	40.00 ng	0.00
31) Naphthalene-d8	6.424	136	265337	40.00 ng	0.00
51) Acenaphthene-d10	7.797	164	136312	40.00 ng	0.00
85) Phenanthrene-d10	9.213	188	222396	40.00 ng	0.00
102) Chrysene-d12	12.231	240	167980	40.00 ng	0.00
115) Perylene-d12	13.823	264	142754	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
16) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
32) Nitrobenzene-d5	0.000	128	0	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
56) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
88) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
105) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D.	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Chloroacetamide	0.000		0	N.D.	
12) Benzaldehyde	0.000		0	N.D. d	
13) Aniline	0.000		0	N.D. d	
14) Pentachloroethane	0.000		0	N.D. d	
15) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
17) Phenol	0.000		0	N.D. d	
18) 2-Chlorophenol	0.000		0	N.D. d	
19) N-Decane	0.000		0	N.D. d	
20) 3-Chlorophenol	0.000		0	N.D. d	
21) 1,3-Dichlorobenzene	0.000		0	N.D. d	
22) 1,4-Dichlorobenzene	0.000		0	N.D. d	
23) 1,2-Dichlorobenzene	0.000		0	N.D. d	
24) Benzyl alcohol	0.000		0	N.D. d	
25) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
26) 2-Methylphenol	5.633	108	1078	0.47 ng	99
27) Acetophenone	0.000		0	N.D. d	
28) Hexachloroethane	0.000		0	N.D. d	
29) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
30) 3&4-Methylphenol	5.767	108	1123	0.46 ng	99
33) Nitrobenzene	0.000		0	N.D. d	
34) Isophorone	0.000		0	N.D. d	
35) 2-Nitrophenol	0.000		0	N.D.	
36) 2,4-Dimethylphenol	6.178	107	1093	0.44 ng	86
37) Benzoic Acid	0.000		0	N.D. d	
38) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
39) 2,4-Dichlorophenol	0.000		0	N.D. d	
40) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
41) Naphthalene	6.440	128	4163	0.58 ng	92
42) 3-Chloroaniline	0.000		0	N.D. d	
43) 4-Chloroaniline	0.000		0	N.D. d	
44) Hexachlorobutadiene	0.000		0	N.D.	
45) Caprolactam	0.000		0	N.D.	
46) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
47) 2-Methylnaphthalene	0.000		0	N.D. d	
48) Methylnaphthalenes (To...	0.000		0	N.D. d	
49) 2,4-Dichloroaniline	0.000		0	N.D. d	
50) 1,1'-Biphenyl	0.000		0	N.D. d	
52) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
53) Hexachlorocyclopentadiene	0.000		0	N.D.	
54) 2,4,6-Trichlorophenol	0.000		0	N.D.	
55) 2,4,5-Trichlorophenol	0.000		0	N.D.	
57) 1,2,3,4-Tetrachloroben...	0.000		0	N.D. d	
58) 2-Chloronaphthalene	0.000		0	N.D. d	
59) 3,4-Dichlorophenol	0.000		0	N.D. d	
60) 3,4-Dichloroaniline	0.000		0	N.D.	
61) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
62) Dimethylnaphthalenes (...	0.000		0	N.D. d	
63) Diphenyl Ether	0.000		0	N.D. d	
64) 2-Nitroaniline	0.000		0	N.D. d	
65) Coumarin	0.000		0	N.D. d	

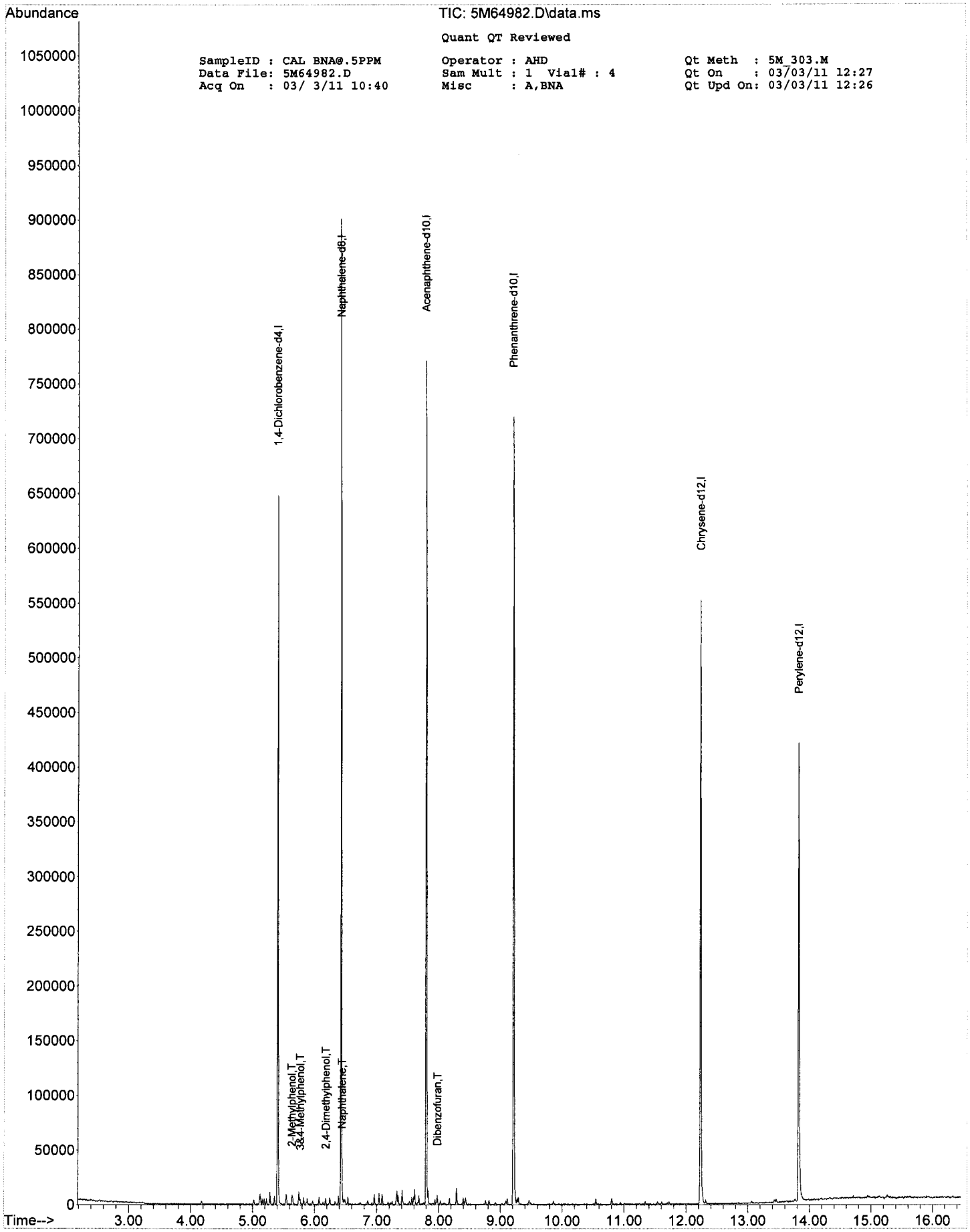
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64982.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 10:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	0.000		0	N.D.	d	
67)	Dimethylphthalate	0.000		0	N.D.	d	
68)	2,6-Dinitrotoluene	0.000		0	N.D.	d	
69)	Acenaphthene	0.000		0	N.D.	d	
70)	3-Nitroaniline	0.000		0	N.D.		
71)	2,4-Dinitrophenol	0.000		0	N.D.		
72)	Pentachlorobenzene	0.000		0	N.D.	d	
73)	Dibenzofuran	7.978	168	3215	0.60	ng	88
74)	2,4,5-Trichloroaniline	0.000		0	N.D.	d	
75)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
76)	4-Nitrophenol	0.000		0	N.D.	d	
77)	2,3,4,5-Tetrachlorophenol	0.000		0	N.D.	d	
78)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	d	
79)	Fluorene	0.000		0	N.D.	d	
80)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
81)	Diethylphthalate	0.000		0	N.D.	d	
82)	4-Nitroaniline	0.000		0	N.D.		
83)	2,3,5,6-Tetrachloroani...	0.000		0	N.D.	d	
84)	Atrazine	0.000		0	N.D.		
86)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
87)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
89)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
90)	4-Bromophenyl-phenylether	0.000		0	N.D.		
91)	Hexachlorobenzene	0.000		0	N.D.		
92)	N-Octadecane	0.000		0	N.D.	d	
93)	Pentachloronitrobenzene	0.000		0	N.D.		
94)	Pentachlorophenol	0.000		0	N.D.		
95)	Phenanthrene	0.000		0	N.D.	d	
96)	Anthracene	0.000		0	N.D.	d	
97)	Pentachloroaniline	0.000		0	N.D.		
98)	Carbazole	0.000		0	N.D.	d	
99)	Di-n-butylphthalate	0.000		0	N.D.	d	
100)	Parathion	0.000		0	N.D.		
101)	Fluoranthene	0.000		0	N.D.	d	
103)	Pyrene	0.000		0	N.D.	d	
104)	Benzidine	0.000		0	N.D.		
106)	4,4'-DDE	0.000		0	N.D.		
107)	4,4'-DDD	0.000		0	N.D.		
108)	Di-n-hexyl phthalate	0.000		0	N.D.	d	
109)	Butylbenzylphthalate	0.000		0	N.D.	d	
110)	4,4'-DDT	0.000		0	N.D.		
111)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
112)	Benzo[a]anthracene	0.000		0	N.D.	d	
113)	Chrysene	0.000		0	N.D.	d	
114)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
116)	Di-n-octylphthalate	0.000		0	N.D.	d	
117)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
118)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
119)	Benzo[a]pyrene	0.000		0	N.D.	d	
120)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
121)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
122)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 5M64982.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@.5PPM
Data File: 5M64982.D
Acq On : 03/ 3/11 10:40
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 12:27
Qt Upd On: 03/03/11 12:26
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64712.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/16/2011 9:50:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.43	40.00	40				0.000	0.00	
Pyridine	1	0		2.43	51.24	50			1.823	1.869	2.48	
N-Nitrosodimethylamine	1	0		2.37	53.29	50			1.089	1.161	6.58	
2-Fluorophenol	1	0	S	4.21	51.74	50			1.309	1.355	3.48	
Benzaldehyde	1	0		5.04	40.46	50			0.918	0.877	19.08	
Aniline	1	0		5.14	59.09	50			2.052	2.425	18.18	
Pentachloroethane	1	0		5.19	51.58	50			0.484	0.499	3.16	
bis(2-Chloroethyl)ether	1	0		5.21	51.82	50			1.516	1.571	3.64	
Phenol-d5	1	0	S	5.14	53.38	50			1.848	1.973	6.76	
Phenol	1	0	CC	5.15	52.53	50	20		2.144	2.253	5.06	
2-Chlorophenol	1	0		5.26	52.08	50			1.426	1.485	4.16	
N-Decane	1	0		5.31	52.41	50			2.017	2.115	4.82	
1,3-Dichlorobenzene	1	0		5.38	52.56	50			1.466	1.541	5.12	
1,4-Dichlorobenzene	1	0	CC	5.45	51.03	50	20		1.514	1.545	2.06	
1,2-Dichlorobenzene	1	0		5.57	53.31	50			1.404	1.497	6.62	
Benzyl alcohol	1	0		5.56	57.14	50			0.963	1.100	14.28	
bis(2-chloroisopropyl)ether	1	0		5.67	56.09	50			2.585	2.899	12.18	
2-Methylphenol	1	0		5.67	57.34	50			1.355	1.554	14.68	
Acetophenone	1	0		5.77	55.74	50			2.199	2.452	11.48	
Hexachloroethane	1	0		5.85	51.51	50			0.629	0.648	3.02	
N-Nitroso-di-n-propylamine	1	0	CP	5.78	56.37	50	0.05		1.158	1.306	12.74	
3&4-Methylphenol	1	0		5.80	55.60	50			1.495	1.663	11.20	
Naphthalene-d8	1	0	I	6.46	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.89	26.08	25			0.171	0.179	4.32	
Nitrobenzene	1	0		5.91	53.12	50			0.456	0.485	6.24	
Isophorone	1	0		6.10	53.30	50			0.820	0.874	6.60	
2-Nitrophenol	1	0	CC	6.16	51.67	50	20		0.187	0.193	3.34	
2,4-Dimethylphenol	1	0		6.21	54.27	50			0.377	0.410	8.54	
Benzoic Acid	1	0		6.29	56.57	50			0.226	0.252	13.14	
bis(2-Chloroethoxy)methane	1	0		6.28	53.18	50			0.471	0.501	6.36	
2,4-Dichlorophenol	1	0	CC	6.36	55.61	50	20		0.266	0.296	11.22	
1,2,4-Trichlorobenzene	1	0		6.41	52.24	50			0.294	0.308	4.48	
Naphthalene	1	0		6.47	50.94	50			1.084	1.104	1.88	
4-Chloroaniline	1	0		6.51	52.92	50			0.348	0.445	5.84	
Hexachlorobutadiene	1	0	CC	6.56	52.31	50	20		0.126	0.131	4.62	
Caprolactam	1	0		6.78	54.30	50			0.125	0.135	8.60	
4-Chloro-3-methylphenol	1	0	CC	6.89	54.88	50	20		0.342	0.376	9.76	
2-Methylnaphthalene	1	0		6.99	53.81	50			0.649	0.699	7.62	
Methylnaphthalenes	1	0		6.99	53.81	50	20			0.699	7.62	
1,1'-Biphenyl	1	0		7.36	53.73	50			0.837	0.900	7.46	
Acenaphthene-d10	1	0	I	7.84	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.12	51.97	50			0.484	0.503	3.94	
Hexachlorocyclopentadiene	1	0	CP	7.11	47.33	50	0.05		0.190	0.206	5.34	
2,4,6-Trichlorophenol	1	0	CC	7.21	53.46	50	20		0.307	0.328	6.92	
2,4,5-Trichlorophenol	1	0		7.25	51.57	50			0.345	0.356	3.14	
2-Fluorobiphenyl	1	0	S	7.28	24.97	25			1.263	1.261	0.12	
2-Chloronaphthalene	1	0		7.37	49.95	50			1.112	1.111	0.10	
1,4-Dimethylnaphthalene	1	0		7.65	54.05	50			0.870	0.940	8.10	
Dimethylnaphthalenes	1	0		7.65	54.05	50	20			0.940	8.10	
Diphenyl Ether	1	0		7.44	53.01	50			0.836	0.886	6.02	
2-Nitroaniline	1	0		7.46	52.45	50			0.599	0.628	4.90	
Coumarin	1	0		7.63	54.73				0.476			
Acenaphthylene	1	0		7.72	52.27	50			1.875	1.960	4.54	
Dimethylphthalate	1	0		7.60	51.93	50			1.274	1.323	3.86	
2,6-Dinitrotoluene	1	0		7.65	53.31	50			0.279	0.297	6.62	
Acenaphthene	1	0	CC	7.87	51.54	50	20		1.163	1.198	3.08	
3-Nitroaniline	1	0		7.80	58.11	50			0.322	0.375	16.22	
2,4-Dinitrophenol	1	0	CP	7.89	58.64	50	0.05		0.131	0.150	17.28	
Dibenzofuran	1	0		8.02	52.42	50			1.576	1.653	4.84	
2,4-Dinitrotoluene	1	0		8.00	55.00	50			0.368	0.405	10.00	
4-Nitrophenol	1	0	CP	7.95	54.91	50	0.05		0.330	0.363	9.82	
2,3,4,6-Tetrachlorophenol	1	0		8.12	52.21	50			0.237	0.262	4.42	
Fluorene	1	0		8.33	52.45	50			1.216	1.276	4.90	
4-Chlorophenyl-phenylether	1	0		8.32	53.62	50			0.493	0.528	7.24	
Diethylphthalate	1	0		8.22	53.02	50			1.328	1.409	6.04	
4-Nitroaniline	1	0		8.34	52.87	50			0.377	0.399	5.74	
Atrazine	1	0		8.96	51.85	50			0.331	0.343	3.70	
Phenanthrene-d10	1	0	I	9.26	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.37	53.95	50			0.103	0.122	7.90	
n-Nitrosodiphenylamine	1	0	CC	8.43	53.07	50	20		0.633	0.672	6.14	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64712.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/16/2011 9:50:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.4.6-Tribromophenol	1	0	S	8.56	50.01	50			0.054	0.058	0.02	
1.2-Diphenylhydrazine	1	0		8.47	52.54	50			1.096	1.152	5.08	
4-Bromophenyl-phenylether	1	0		8.80	51.40	50			0.149	0.154	2.80	
Hexachlorobenzene	1	0		8.86	50.89	50			0.144	0.146	1.78	
N-Octadecane	1	0		9.15	54.93	50			0.715	0.785	9.86	
Pentachlorophenol	1	0	CC	9.06	55.78	50	20		0.076	0.085	11.56	
Phenanthrene	1	0		9.28	51.72	50			1.075	1.112	3.44	
Anthracene	1	0		9.34	52.95	50			1.087	1.152	5.90	
Carbazole	1	0		9.51	53.56	50			1.061	1.137	7.12	
Di-n-butylphthalate	1	0		9.90	53.61	50			1.335	1.432	7.22	
Fluoranthene	1	0	CC	10.59	53.53	50	20		1.063	1.138	7.06	
Chrysene-d12	1	0	I	12.28	40.00	40				0.000	0.00	
Pyrene	1	0		10.85	52.97	50			1.427	1.512	5.94	
Benzidine	1	0		10.76	47.17	50			0.477	0.616	5.66	
Terphenyl-d14	1	0	S	11.05	25.22	25			0.791	0.798	0.88	
4.4'-DDE	1	0		10.99	50.56				0.237			
4.4'-DDD	1	0		11.39	52.76				0.462			
Butylbenzylphthalate	1	0		11.65	52.14	50			0.752	0.785	4.28	
4.4'-DDT	1	0		11.74	49.97				0.371			
3.3'-Dichlorobenzidine	1	0		12.25	51.80	50			0.285	0.331	3.60	
Benzo[a]anthracene	1	0		12.27	51.58	50			1.137	1.173	3.16	
Chrysene	1	0		12.31	51.84	50			1.122	1.163	3.68	
bis(2-Ethylhexyl)phthalate	1	0		12.36	51.48	50			1.045	1.076	2.96	
Perylene-d12	1	0	I	13.87	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.11	45.68	50	20		1.993	2.005	8.64	
Benzo[b]fluoranthene	1	0		13.48	49.32	50			1.161	1.145	1.36	
Benzo[k]fluoranthene	1	0		13.51	52.43	50			1.152	1.208	4.86	
Benzo[a]pyrene	1	0	CC	13.82	52.36	50	20		1.095	1.147	4.72	
Indeno[1.2.3-cd]pyrene	1	0		15.02	52.02	50			0.996	1.037	4.04	
Dibenzo[a,h]anthracene	1	0		15.04	52.53	50			0.826	0.868	5.06	
Benzo[g,h,i]perylene	1	0		15.34	52.49	50			0.846	0.888	4.98	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2.2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64712.D Sam Mult : 1 Vial# : 2 Qt On : 02/16/11 10:09
Acq On : 02/16/11 09:50 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	76247	40.00	ng	-0.02
29) Naphthalene-d8	6.458	136	308819	40.00	ng	-0.01
47) Acenaphthene-d10	7.836	164	173541	40.00	ng	-0.02
74) Phenanthrene-d10	9.257	188	291402	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	229963	40.00	ng	-0.02
100) Perylene-d12	13.873	264	199227	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.209	112	129149	51.74	ng	-0.02
Spiked Amount 100.000			Recovery = 51.74%			
15) Phenol-d5	5.144	99	188057	53.38	ng	-0.02
Spiked Amount 100.000			Recovery = 53.38%			
30) Nitrobenzene-d5	5.891	128	34495	26.08	ng	-0.02
Spiked Amount 50.000			Recovery = 52.16%			
52) 2-Fluorobiphenyl	7.275	172	136810	24.97	ng	-0.01
Spiked Amount 50.000			Recovery = 49.94%			
77) 2,4,6-Tribromophenol	8.557	330	21192	50.01	ng	-0.02
Spiked Amount 100.000			Recovery = 50.01%			
91) Terphenyl-d14	11.052	244	114645	25.22	ng	-0.02
Spiked Amount 50.000			Recovery = 50.44%			
Target Compounds						Qvalue
8) Pyridine	2.430	79	178085	51.24	ng	86
9) N-Nitrosodimethylamine	2.371	74	110644	53.29	ng	89
11) Benzaldehyde	5.042	77	83580	40.46	ng	92
12) Aniline	5.144	93	231120	59.09	ng	79
13) Pentachloroethane	5.186	117	47563	51.58	ng	95
14) bis(2-Chloroethyl)ether	5.213	93	149767	51.82	ng	94
16) Phenol	5.154	94	214713	52.53	ng	95
17) 2-Chlorophenol	5.256	128	141515	52.08	ng	92
18) N-Decane	5.309	57	201538	52.41	ng	95
19) 1,3-Dichlorobenzene	5.384	146	146882	52.56	ng	98
20) 1,4-Dichlorobenzene	5.448	146	147250	51.03	ng	98
21) 1,2-Dichlorobenzene	5.571	146	142700	53.31	ng	98
22) Benzyl alcohol	5.560	108	104874	57.14	ng	80
23) bis(2-chloroisopropyl)...	5.672	45	276342	56.09	ng	99
24) 2-Methylphenol	5.667	108	148119	57.34	ng	96
25) Acetophenone	5.774	105	233681	55.74	ng	68
26) Hexachloroethane	5.854	117	61775	51.51	ng	94
27) N-Nitroso-di-n-propyla...	5.779	70	124431	56.37	ng	83
28) 3&4-Methylphenol	5.795	108	158497	55.60	ng	99
31) Nitrobenzene	5.907	77	187214	53.12	ng	92
32) Isophorone	6.100	82	337574	53.30	ng	99
33) 2-Nitrophenol	6.164	139	74625	51.67	ng	90
34) 2,4-Dimethylphenol	6.207	107	158095	54.27	ng	100
35) Benzoic Acid	6.292	105	97098m	56.57	ng	
36) bis(2-Chloroethoxy)met...	6.276	93	193332	53.18	ng	98
37) 2,4-Dichlorophenol	6.356	162	114078	55.61	ng	93
38) 1,2,4-Trichlorobenzene	6.415	180	118745	52.24	ng	99
39) Naphthalene	6.474	128	426333	50.94	ng	100
40) 4-Chloroaniline	6.511	127	171806	52.92	ng	100
41) Hexachlorobutadiene	6.565	225	50736	52.31	ng	97
42) Caprolactam	6.784	113	52253	54.30	ng	65
43) 4-Chloro-3-methylphenol	6.885	107	145086	54.88	ng	96
44) 2-Methylnaphthalene	6.992	142	269801	53.81	ng	100
45) Methylnaphthalenes (To...	6.992	142	269801	53.81	ng	100
46) 1,1'-Biphenyl	7.355	154	347400	53.73	ng	98
48) 1,2,4,5-Tetrachloroben...	7.120	216	109157	51.97	ng	98
49) Hexachlorocyclopentadiene	7.115	237	44620	47.33	ng	98
50) 2,4,6-Trichlorophenol	7.211	196	71227	53.46	ng	98
51) 2,4,5-Trichlorophenol	7.248	196	77297	51.57	ng	98
53) 2-Chloronaphthalene	7.371	162	241027	49.95	ng	97
54) 1,4-Dimethylnaphthalene	7.649	156	203929	54.05	ng	95
55) Dimethylnaphthalenes (...	7.649	156	203929	54.05	ng	95
56) Diphenyl Ether	7.441	170	192247	53.01	ng	89
57) 2-Nitroaniline	7.457	65	136277	52.45	ng	75
58) Coumarin	7.628	146	113042	54.73	ng	75
59) Acenaphthylene	7.718	152	425208	52.27	ng	99
60) Dimethylphthalate	7.601	163	286942	51.93	ng	100
61) 2,6-Dinitrotoluene	7.654	165	64444	53.31	ng	79
62) Acenaphthene	7.868	153	259960	51.54	ng	96
63) 3-Nitroaniline	7.799	138	81287	58.11	ng	39
64) 2,4-Dinitrophenol	7.889	184	32494	58.64	ng	74
65) Dibenzofuran	8.018	168	358547	52.42	ng	90

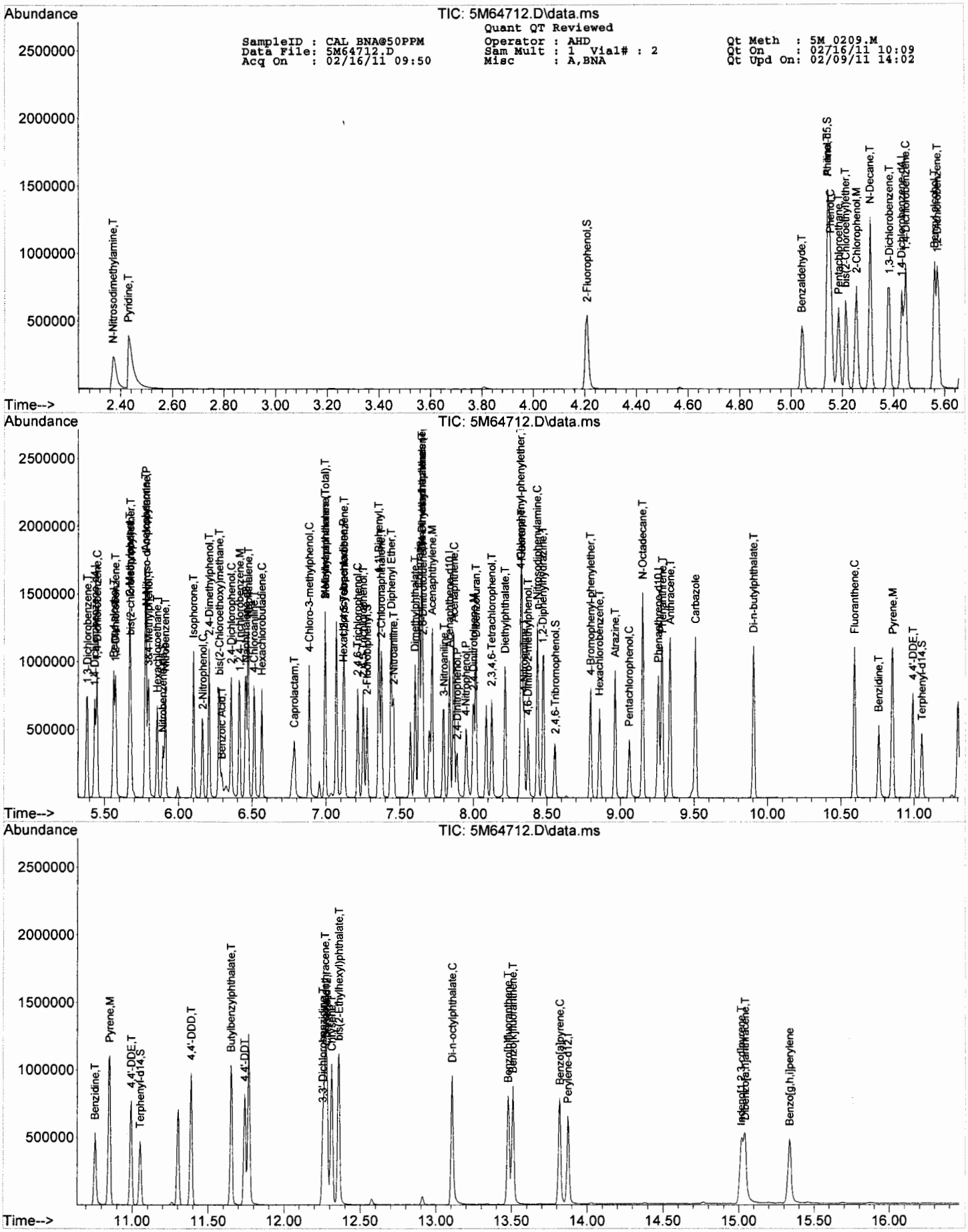
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64712.D Sam Mult : 1 Vial# : 2 Qt On : 02/16/11 10:09
Acq On : 02/16/11 09:50 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.002	165	87805	55.00	ng	87
67)	4-Nitrophenol	7.948	65	78660	54.91	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.124	232	56858	52.21	ng	99
69)	Fluorene	8.328	166	276767	52.45	ng	98
70)	4-Chlorophenyl-phenyle...	8.322	204	114605	53.62	ng	99
71)	Diethylphthalate	8.215	149	305572	53.02	ng	99
72)	4-Nitroaniline	8.344	138	86519	52.87	ng	94
73)	Atrazine	8.963	200	74438	51.85	ng	96
75)	4,6-Dinitro-2-methylph...	8.370	198	44595	53.95	ng	25
76)	n-Nitrosodiphenylamine	8.434	169	244623	53.07	ng	98
78)	1,2-Diphenylhydrazine	8.472	77	419529	52.54	ng	97
79)	4-Bromophenyl-phenylether	8.798	248	55932	51.40	ng	93
80)	Hexachlorobenzene	8.856	284	53214	50.89	ng	96
81)	N-Octadecane	9.150	57	286110	54.93	ng	95
82)	Pentachlorophenol	9.059	266	31023	55.78	ng	93
83)	Phenanthrene	9.284	178	404953	51.72	ng	99
84)	Anthracene	9.337	178	419454	52.95	ng	100
85)	Carbazole	9.508	167	414090	53.56	ng	99
86)	Di-n-butylphthalate	9.903	149	521473	53.61	ng	99
87)	Fluoranthene	10.593	202	414556	53.53	ng	93
89)	Pyrene	10.854	202	434551	52.97	ng	99
90)	Benzidine	10.758	184	176940	47.17	ng	98
92)	4,4'-DDE	10.993	246	68748	50.56	ng	89
93)	4,4'-DDD	11.389	235	140039	52.76	ng	81
94)	Butylbenzylphthalate	11.650	149	225556	52.14	ng	89
95)	4,4'-DDT	11.741	235	114662	49.97	ng	82
96)	3,3'-Dichlorobenzidine	12.254	252	95010	51.80	ng	97
97)	Benzo[a]anthracene	12.270	228	337111	51.58	ng	99
98)	Chrysene	12.313	228	334370	51.84	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.361	149	309424	51.48	ng	99
101)	Di-n-octylphthalate	13.109	149	499248	45.68	ng	99
102)	Benzo[b]fluoranthene	13.477	252	285081	49.32	ng	95
103)	Benzo[k]fluoranthene	13.509	252	300723	52.43	ng	96
104)	Benzo[a]pyrene	13.819	252	285530	52.36	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.016	276	258181	52.02	ng	75
106)	Dibenzo[a,h]anthracene	15.043	278	216194	52.53	ng	90
107)	Benzo[g,h,i]perylene	15.337	276	221061	52.49	ng	81

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


Abundance
TIC: 5M64712.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64712.D
Acq On : 02/16/11 09:50
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 10:09
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64712.D\data.ms
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64712.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32365.D **Instrument:** GCMS 9

Cont Calibration Date/Time 2/17/2011 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.53	40.00	40				0.000	0.00	
Pyridine	1	0		2.61	51.23	50			1.464	1.607	2.46	
N-Nitrosodimethylamine	1	0		2.54	52.36	50			0.930	0.974	4.72	
2-Fluorophenol	1	0	S	4.31	52.49	50			1.302	1.366	4.98	
Benzaldehyde	1	0		5.14	38.09	50			0.797	0.745	23.82	
Aniline	1	0		5.24	55.14	50			2.085	2.300	10.28	
Pentachloroethane	1	0		5.28	53.02	50			0.449	0.476	6.04	
bis(2-Chloroethyl)ether	1	0		5.31	51.23	50			1.460	1.496	2.46	
Phenol-d5	1	0	S	5.23	51.11	50			1.830	1.871	2.22	
Phenol	1	0	CC	5.24	51.21	50	20		2.016	2.064	2.42	
2-Chlorophenol	1	0		5.35	50.63	50			1.459	1.478	1.26	
N-Decane	1	0		5.40	55.59	50			1.766	1.964	11.18	
1,3-Dichlorobenzene	1	0		5.48	50.62	50			1.511	1.530	1.24	
1,4-Dichlorobenzene	1	0	CC	5.54	50.01	50	20		1.532	1.532	0.02	
1,2-Dichlorobenzene	1	0		5.67	50.42	50			1.439	1.451	0.84	
Benzyl alcohol	1	0		5.65	50.67	50			0.997	1.011	1.34	
bis(2-chloroisopropyl)ether	1	0		5.77	51.91	50			2.103	2.183	3.82	
2-Methylphenol	1	0		5.75	50.64	50			1.350	1.367	1.28	
Acetophenone	1	0		5.87	50.11	50			2.141	2.145	0.22	
Hexachloroethane	1	0		5.94	51.80	50			0.560	0.580	3.60	
N-Nitroso-di-n-propylamine	1	0	CP	5.87	51.18	50	0.05		1.091	1.117	2.36	
3&4-Methylphenol	1	0		5.88	51.06	50			1.387	1.416	2.12	
Naphthalene-d8	1	0	I	6.54	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.99	26.53	25			0.167	0.177	6.12	
Nitrobenzene	1	0		6.00	53.96	50			0.366	0.394	7.92	
Isophorone	1	0		6.19	51.41	50			0.722	0.743	2.82	
2-Nitrophenol	1	0	CC	6.25	56.86	50	20		0.166	0.189	13.72	
2,4-Dimethylphenol	1	0		6.29	53.31	50			0.347	0.370	6.62	
Benzoic Acid	1	0		6.39	52.86	50			0.236	0.248	5.72	
bis(2-Chloroethoxy)methane	1	0		6.36	52.33	50			0.432	0.452	4.66	
2,4-Dichlorophenol	1	0	CC	6.44	51.32	50	20		0.271	0.278	2.64	
1,2,4-Trichlorobenzene	1	0		6.50	49.85	50			0.290	0.289	0.30	
Naphthalene	1	0		6.56	50.02	50			1.096	1.097	0.04	
4-Chloroaniline	1	0		6.60	56.23	50			0.341	0.438	12.46	
Hexachlorobutadiene	1	0	CC	6.65	48.78	50	20		0.131	0.128	2.44	
Caprolactam	1	0		6.88	54.63	50			0.132	0.145	9.26	
4-Chloro-3-methylphenol	1	0	CC	6.97	51.54	50	20		0.318	0.328	3.08	
2-Methylnaphthalene	1	0		7.08	50.70	50			0.689	0.698	1.40	
Methylnaphthalenes	1	0		7.08	50.70	50	20			0.698	1.40	
1,1'-Biphenyl	1	0		7.45	49.99	50			0.908	0.908	0.02	
Acenaphthene-d10	1	0	I	7.93	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.21	51.17	50			0.478	0.489	2.34	
Hexachlorocyclopentadiene	1	0	CP	7.20	44.26	50	0.05		0.206	0.211	11.48	
2,4,6-Trichlorophenol	1	0	CC	7.30	52.42	50	20		0.305	0.319	4.84	
2,4,5-Trichlorophenol	1	0		7.33	54.21	50			0.316	0.343	8.42	
2-Fluorobiphenyl	1	0	S	7.36	25.71	25			1.269	1.305	2.84	
2-Chloronaphthalene	1	0		7.46	51.66	50			1.104	1.141	3.32	
1,4-Dimethylnaphthalene	1	0		7.74	52.56	50			0.933	0.981	5.12	
Dimethylnaphthalenes	1	0		7.74	52.56	50	20			0.981	5.12	
Diphenyl Ether	1	0		7.53	50.96	50			0.900	0.917	1.92	
2-Nitroaniline	1	0		7.54	56.52	50			0.412	0.466	13.04	
Coumarin	1	0		7.72	51.87				0.492			
Acenaphthylene	1	0		7.81	52.02	50			1.863	1.938	4.04	
Dimethylphthalate	1	0		7.69	50.38	50			1.298	1.307	0.76	
2,6-Dinitrotoluene	1	0		7.74	54.81	50			0.263	0.288	9.62	
Acenaphthene	1	0	CC	7.95	51.21	50	20		1.189	1.218	2.42	
3-Nitroaniline	1	0		7.89	58.41	50			0.302	0.353	16.82	
2,4-Dinitrophenol	1	0	CP	7.98	69.35	50	0.05		0.089	0.121	38.70	
Dibenzofuran	1	0		8.10	50.75	50			1.613	1.638	1.50	
2,4-Dinitrotoluene	1	0		8.09	50.69	50			0.338	0.385	1.38	
4-Nitrophenol	1	0	CP	8.02	51.45	50	0.05		0.236	0.273	2.90	
2,3,4,6-Tetrachlorophenol	1	0		8.21	52.54	50			0.233	0.245	5.08	
Fluorene	1	0		8.42	51.86	50			1.332	1.381	3.72	
4-Chlorophenyl-phenylether	1	0		8.41	50.40	50			0.554	0.558	0.80	
Diethylphthalate	1	0		8.31	51.98	50			1.295	1.346	3.96	
4-Nitroaniline	1	0		8.44	54.33	50			0.361	0.392	8.66	
Atrazine	1	0		9.05	51.89	50			0.357	0.370	3.78	
Phenanthrene-d10	1	0	I	9.35	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.46	66.81	50			0.072	0.107	33.62	
n-Nitrosodiphenylamine	1	0	CC	8.53	52.45	50	20		0.690	0.724	4.90	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32365.D **Instrument:** GCMS 9

Cont Calibration Date/Time 2/17/2011 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.64	49.40	50			0.049	0.054	1.20	
1,2-Diphenylhydrazine	1	0		8.56	53.84	50			0.863	0.930	7.68	
4-Bromophenyl-phenylether	1	0		8.89	50.32	50			0.160	0.161	0.64	
Hexachlorobenzene	1	0		8.95	49.54	50			0.144	0.142	0.92	
N-Octadecane	1	0		9.24	58.42	50			0.635	0.742	16.84	
Pentachlorophenol	1	0	CC	9.15	53.08	50	20		0.090	0.097	6.16	
Phenanthrene	1	0		9.37	51.04	50			1.090	1.113	2.08	
Anthracene	1	0		9.43	52.10	50			1.102	1.148	4.20	
Carbazole	1	0		9.60	52.06	50			1.112	1.158	4.12	
Di-n-butylphthalate	1	0		9.99	54.37	50			1.302	1.416	8.74	
Fluoranthene	1	0	CC	10.68	52.48	50	20		1.106	1.161	4.96	
Chrysene-d12	1	0	I	12.37	40.00	40				0.000	0.00	
Pyrene	1	0		10.94	50.86	50			1.386	1.410	1.72	
Benzidine	1	0		10.85	53.94	50			0.483	0.649	7.88	
Terphenyl-d14	1	0	S	11.14	25.18	25			0.808	0.814	0.72	
p,p'-DDE	1	0		11.08	50.61				0.235			
p,p'-DDD	1	0		11.47	50.15				0.476			
Butylbenzylphthalate	1	0		11.74	53.98	50			0.699	0.754	7.96	
p,p'-DDT	1	0		11.83	48.05				0.299			
3,3'-Dichlorobenzidine	1	0		12.34	51.74	50			0.290	0.346	3.48	
Benzo[a]anthracene	1	0		12.36	50.81	50			1.165	1.184	1.62	
Chrysene	1	0		12.40	49.60	50			1.113	1.104	0.80	
bis(2-Ethylhexyl)phthalate	1	0		12.44	54.10	50			0.939	1.016	8.20	
Perylene-d12	1	0	I	13.97	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.19	48.91	50	20		1.898	2.063	2.18	
Benzo[b]fluoranthene	1	0		13.57	52.44	50			1.216	1.275	4.88	
Benzo[k]fluoranthene	1	0		13.60	47.88	50			1.160	1.111	4.24	
Benzo[a]pyrene	1	0	CC	13.91	51.08	50	20		1.115	1.139	2.16	
Indeno[1,2,3-cd]pyrene	1	0		15.13	55.08	50			1.077	1.186	10.16	
Dibenzo[a,h]anthracene	1	0		15.15	55.27	50			0.840	0.929	10.54	
Benzo[g,h,i]perylene	1	0		15.46	55.79	50			0.893	0.996	11.58	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.689	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.933	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32365.D Sam Mult : 1 Vial# : 2 Qt On : 02/17/11 09:09
Acq On : 02/17/11 08:52 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	85730	40.00	ng	-0.03
29) Naphthalene-d8	6.543	136	331118	40.00	ng	-0.04
47) Acenaphthene-d10	7.928	164	177026	40.00	ng	-0.04
74) Phenanthrene-d10	9.351	188	285751	40.00	ng	-0.04
88) Chrysene-d12	12.373	240	238098	40.00	ng	-0.05
100) Perylene-d12	13.966	264	205939	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.307	112	146437	52.49	ng	-0.02
Spiked Amount 100.000			Recovery = 52.49%			
15) Phenol-d5	5.227	99	200471	51.11	ng	-0.02
Spiked Amount 100.000			Recovery = 51.11%			
30) Nitrobenzene-d5	5.986	128	36653	26.53	ng	-0.03
Spiked Amount 50.000			Recovery = 53.06%			
52) 2-Fluorobiphenyl	7.361	172	144382	25.71	ng	-0.04
Spiked Amount 50.000			Recovery = 51.42%			
77) 2,4,6-Tribromophenol	8.645	330	19137	49.40	ng	-0.04
Spiked Amount 100.000			Recovery = 49.40%			
91) Terphenyl-d14	11.142	244	121099	25.18	ng	-0.05
Spiked Amount 50.000			Recovery = 50.36%			
Target Compounds						Qvalue
8) Pyridine	2.606	79	172189	51.23	ng	80
9) N-Nitrosodimethylamine	2.542	74	104415	52.36	ng	76
11) Benzaldehyde	5.141	77	79863	38.09	ng	80
12) Aniline	5.243	93	246462	55.14	ng	40
13) Pentachloroethane	5.280	117	51012	53.02	ng	91
14) bis(2-Chloroethyl)ether	5.307	93	160346	51.23	ng	85
16) Phenol	5.243	94	221200	51.21	ng	65
17) 2-Chlorophenol	5.350	128	158343	50.63	ng	83
18) N-Decane	5.403	57	210444	55.59	ng	88
19) 1,3-Dichlorobenzene	5.478	146	163971	50.62	ng	99
20) 1,4-Dichlorobenzene	5.542	146	164163	50.01	ng	97
21) 1,2-Dichlorobenzene	5.665	146	155537	50.42	ng	96
22) Benzyl alcohol	5.655	108	108310	50.67	ng	71
23) bis(2-chloroisopropyl)...	5.767	45	233980	51.91	ng	94
24) 2-Methylphenol	5.751	108	146501	50.64	ng	99
25) Acetophenone	5.869	105	229879	50.11	ng	65
26) Hexachloroethane	5.943	117	62192	51.80	ng	98
27) N-Nitroso-di-n-propyla...	5.869	70	119676	51.18	ng	73
28) 3&4-Methylphenol	5.879	108	151738	51.06	ng	97
31) Nitrobenzene	6.002	77	163275	53.96	ng	79
32) Isophorone	6.190	82	307394	51.41	ng	87
33) 2-Nitrophenol	6.248	139	78340	56.86	ng	89
34) 2,4-Dimethylphenol	6.291	107	153200	53.31	ng	91
35) Benzoic Acid	6.387	105	102826	52.86	ng	87
36) bis(2-Chloroethoxy)met...	6.361	93	187253	52.33	ng	96
37) 2,4-Dichlorophenol	6.441	162	114934	51.32	ng	91
38) 1,2,4-Trichlorobenzene	6.500	180	119593	49.85	ng	99
39) Naphthalene	6.559	128	454006	50.02	ng	100
40) 4-Chloroaniline	6.601	127	181420	56.23	ng	100
41) Hexachlorobutadiene	6.649	225	53070	48.78	ng	98
42) Caprolactam	6.880	113	59891	54.63	ng	70
43) 4-Chloro-3-methylphenol	6.965	107	135831	51.54	ng	87
44) 2-Methylnaphthalene	7.083	142	289106	50.70	ng	99
45) Methylnaphthalenes (To...	7.083	142	289106	50.70	ng	99
46) 1,1'-Biphenyl	7.446	154	375967	49.99	ng	95
48) 1,2,4,5-Tetrachloroben...	7.211	216	108146	51.17	ng	98
49) Hexachlorocyclopentadiene	7.200	237	46610	44.26	ng	98
50) 2,4,6-Trichlorophenol	7.302	196	70655	52.42	ng	97
51) 2,4,5-Trichlorophenol	7.334	196	75821	54.21	ng	98
53) 2-Chloronaphthalene	7.463	162	252524	51.66	ng	96
54) 1,4-Dimethylnaphthalene	7.735	156	217012	52.56	ng	90
55) Dimethylnaphthalenes (...	7.735	156	217012	52.56	ng	90
56) Diphenyl Ether	7.527	170	203002	50.96	ng	84
57) 2-Nitroaniline	7.543	65	103076	56.52	ng	62
58) Coumarin	7.719	146	112941	51.87	ng	78
59) Acenaphthylene	7.810	152	428841	52.02	ng	100
60) Dimethylphthalate	7.692	163	289287	50.38	ng	98
61) 2,6-Dinitrotoluene	7.741	165	63802	54.81	ng	70
62) Acenaphthene	7.955	153	269491	51.21	ng	96
63) 3-Nitroaniline	7.885	138	78074	58.41	ng	65
64) 2,4-Dinitrophenol	7.976	184	26825	69.35	ng	88
65) Dibenzofuran	8.104	168	362360	50.75	ng	89

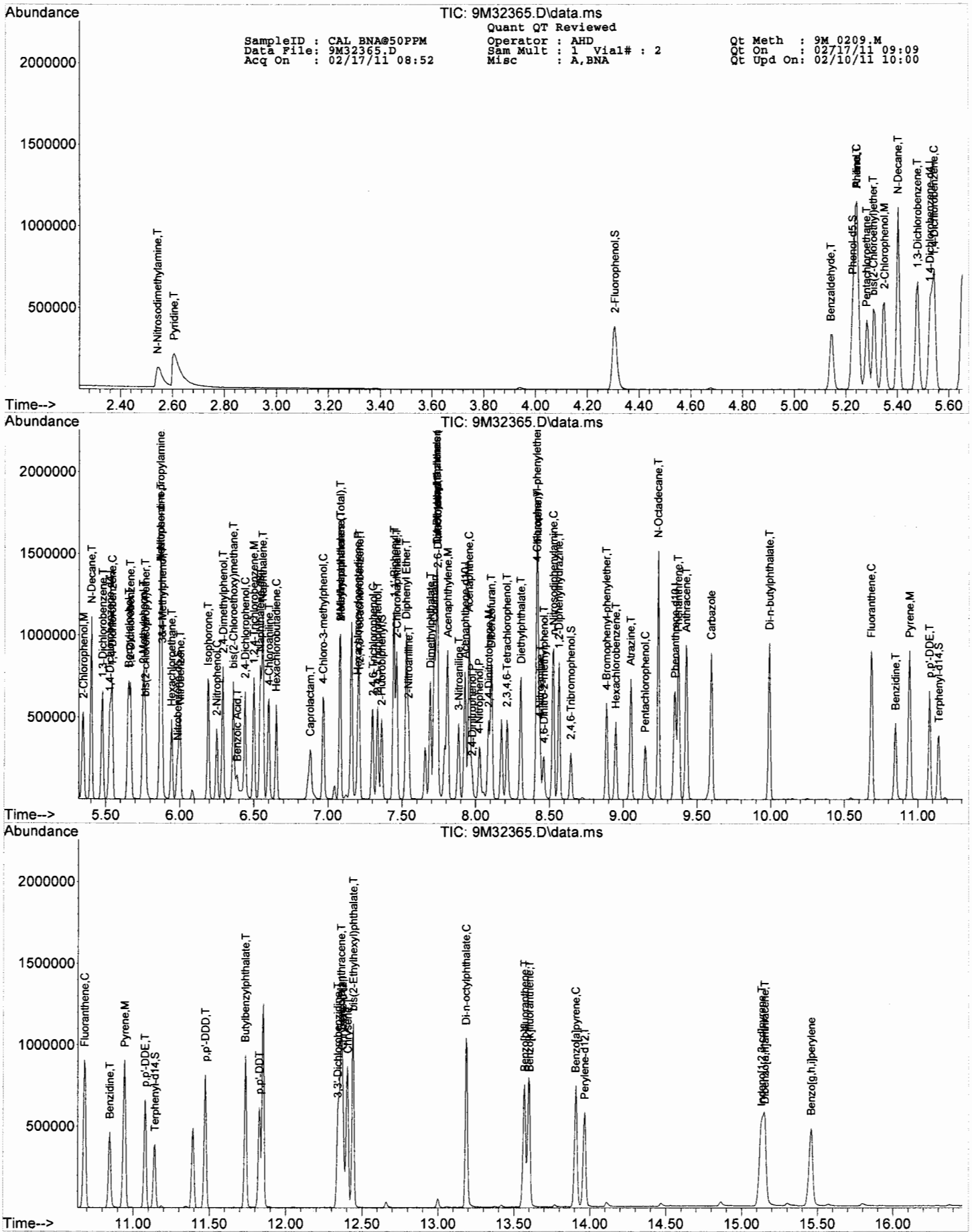
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32365.D Sam Mult : 1 Vial# : 2 Qt On : 02/17/11 09:09
Acq On : 02/17/11 08:52 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.088	165	85203	50.69	ng	68
67)	4-Nitrophenol	8.024	65	60455	51.45	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.211	232	54126	52.54	ng	94
69)	Fluorene	8.420	166	305668	51.86	ng	98
70)	4-Chlorophenyl-phenyle...	8.415	204	123515	50.40	ng	94
71)	Diethylphthalate	8.308	149	297827	51.98	ng	97
72)	4-Nitroaniline	8.436	138	86804	54.33	ng	73
73)	Atrazine	9.051	200	81956	51.89	ng	97
75)	4,6-Dinitro-2-methylph...	8.463	198	38360	66.81	ng	49
76)	n-Nitrosodiphenylamine	8.527	169	258450	52.45	ng	98
78)	1,2-Diphenylhydrazine	8.564	77	332086	53.84	ng	85
79)	4-Bromophenyl-phenylether	8.885	248	57371	50.32	ng	90
80)	Hexachlorobenzene	8.949	284	50791	49.54	ng	90
81)	N-Octadecane	9.238	57	264979	58.42	ng	85
82)	Pentachlorophenol	9.147	266	34589	53.08	ng	100
83)	Phenanthrene	9.372	178	397542	51.04	ng	98
84)	Anthracene	9.425	178	410113	52.10	ng	99
85)	Carbazole	9.597	167	413530	52.06	ng	98
86)	Di-n-butylphthalate	9.992	149	505786	54.37	ng	97
87)	Fluoranthene	10.682	202	414656	52.48	ng	98
89)	Pyrene	10.944	202	419621	50.86	ng	97
90)	Benzidine	10.848	184	193135	53.94	ng	93
92)	p,p'-DDE	11.078	246	70938	50.61	ng	89
93)	p,p'-DDD	11.474	235	142073	50.15	ng	86
94)	Butylbenzylphthalate	11.736	149	224519	53.98	ng	81
95)	p,p'-DDT	11.827	235	104067	48.05	ng	91
96)	3,3'-Dichlorobenzidine	12.340	252	102954	51.74	ng	98
97)	Benzo[a]anthracene	12.362	228	352397	50.81	ng	99
98)	Chrysene	12.405	228	328682	49.60	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.442	149	302415	54.10	ng	93
101)	Di-n-octylphthalate	13.186	149	531019	48.91	ng	99
102)	Benzo[b]fluoranthene	13.571	252	328204	52.44	ng	99
103)	Benzo[k]fluoranthene	13.603	252	286031	47.88	ng	99
104)	Benzo[a]pyrene	13.908	252	293297	51.08	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.132	276	305274	55.08	ng	91
106)	Dibenzo[a,h]anthracene	15.154	278	239110	55.27	ng	95
107)	Benzo[g,h,i]perylene	15.459	276	256518	55.79	ng	91

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


TIC: 9M32365.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32365.D
Acq On : 02/17/11 08:52
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/17/11 09:09
Qt Upd On: 02/10/11 10:00
Abundance
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64792.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/22/2011 7:57:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.42	40.00	40				0.000	0.00	
Pyridine	1	0		2.42	50.18	50			1.823	1.830	0.36	
N-Nitrosodimethylamine	1	0		2.37	51.34	50			1.089	1.118	2.68	
2-Fluorophenol	1	0	S	4.19	52.49	50			1.309	1.375	4.98	
Benzaldehyde	1	0		5.03	32.19	50			0.918	0.720	35.62	
Aniline	1	0		5.13	57.35	50			2.052	2.353	14.70	
Pentachloroethane	1	0		5.17	51.23	50			0.484	0.496	2.46	
bis(2-Chloroethyl)ether	1	0		5.20	50.40	50			1.516	1.528	0.80	
Phenol-d5	1	0	S	5.13	52.00	50			1.848	1.922	4.00	
Phenol	1	0	CC	5.14	54.36	50	20		2.144	2.332	8.72	
2-Chlorophenol	1	0		5.24	55.88	50			1.426	1.593	11.76	
N-Decane	1	0		5.30	53.59	50			2.017	2.162	7.18	
1,3-Dichlorobenzene	1	0		5.37	53.33	50			1.466	1.564	6.66	
1,4-Dichlorobenzene	1	0	CC	5.44	51.52	50	20		1.514	1.560	3.04	
1,2-Dichlorobenzene	1	0		5.56	53.24	50			1.404	1.495	6.48	
Benzyl alcohol	1	0		5.54	54.27	50			0.963	1.045	8.54	
bis(2-chloroisopropyl)ether	1	0		5.66	54.61	50			2.585	2.823	9.22	
2-Methylphenol	1	0		5.65	53.05	50			1.355	1.438	6.10	
Acetophenone	1	0		5.76	52.54	50			2.199	2.311	5.08	
Hexachloroethane	1	0		5.84	49.90	50			0.629	0.628	0.20	
N-Nitroso-di-n-propylamine	1	0	CP	5.76	53.18	50	0.05		1.158	1.232	6.36	
3&4-Methylphenol	1	0		5.78	52.65	50			1.495	1.575	5.30	
Naphthalene-d8	1	0	I	6.44	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.88	24.90	25			0.171	0.171	0.40	
Nitrobenzene	1	0		5.90	52.32	50			0.456	0.478	4.64	
Isophorone	1	0		6.09	51.57	50			0.820	0.846	3.14	
2-Nitrophenol	1	0	CC	6.15	57.36	50	20		0.187	0.215	14.72	
2,4-Dimethylphenol	1	0		6.19	58.64	50			0.377	0.443	17.28	
Benzoic Acid	1	0		6.27	54.36	50			0.226	0.240	8.72	
bis(2-Chloroethoxy)methane	1	0		6.26	51.61	50			0.471	0.486	3.22	
2,4-Dichlorophenol	1	0	CC	6.34	57.92	50	20		0.266	0.308	15.84	
1,2,4-Trichlorobenzene	1	0		6.40	52.10	50			0.294	0.307	4.20	
Naphthalene	1	0		6.46	51.70	50			1.084	1.121	3.40	
4-Chloroaniline	1	0		6.50	51.43	50			0.348	0.434	2.86	
Hexachlorobutadiene	1	0	CC	6.55	53.08	50	20		0.126	0.133	6.16	
Caprolactam	1	0		6.76	51.46	50			0.125	0.128	2.92	
4-Chloro-3-methylphenol	1	0	CC	6.87	57.09	50	20		0.342	0.391	14.18	
2-Methylnaphthalene	1	0		6.98	51.79	50			0.649	0.673	3.58	
Methylnaphthalenes	1	0		6.98	51.79	50	20			0.673	3.58	
1,1'-Biphenyl	1	0		7.34	53.05	50			0.837	0.888	6.10	
Acenaphthene-d10	1	0	I	7.82	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.11	52.74	50			0.484	0.511	5.48	
Hexachlorocyclopentadiene	1	0	CP	7.10	47.23	50	0.05		0.190	0.205	5.54	
2,4,6-Trichlorophenol	1	0	CC	7.20	59.44	50	20		0.307	0.365	18.88	
2,4,5-Trichlorophenol	1	0		7.23	51.69	50			0.345	0.357	3.38	
2-Fluorobiphenyl	1	0	S	7.26	24.89	25			1.263	1.258	0.44	
2-Chloronaphthalene	1	0		7.36	52.41	50			1.112	1.166	4.82	
1,4-Dimethylnaphthalene	1	0		7.63	53.83	50			0.870	0.936	7.66	
Dimethylnaphthalenes	1	0		7.63	53.83	50	20			0.936	7.66	
Diphenyl Ether	1	0		7.42	53.76	50			0.836	0.899	7.52	
2-Nitroaniline	1	0		7.44	52.28	50			0.599	0.626	4.56	
Coumarin	1	0		7.61	54.49				0.476			
Acenaphthylene	1	0		7.70	52.66	50			1.875	1.975	5.32	
Dimethylphthalate	1	0		7.59	50.55	50			1.274	1.288	1.10	
2,6-Dinitrotoluene	1	0		7.64	51.98	50			0.279	0.290	3.96	
Acenaphthene	1	0	CC	7.85	51.87	50	20		1.163	1.206	3.74	
3-Nitroaniline	1	0		7.78	58.15	50			0.322	0.375	16.30	
2,4-Dinitrophenol	1	0	CP	7.87	59.01	50	0.05		0.131	0.151	18.02	
Dibenzofuran	1	0		8.00	52.38	50			1.576	1.652	4.76	
2,4-Dinitrotoluene	1	0		7.98	54.31	50			0.368	0.400	8.62	
4-Nitrophenol	1	0	CP	7.93	60.17	50	0.05		0.330	0.397	20.34	
2,3,4,6-Tetrachlorophenol	1	0		8.11	50.58	50			0.237	0.254	1.16	
Fluorene	1	0		8.31	54.97	50			1.216	1.337	9.94	
4-Chlorophenyl-phenylether	1	0		8.31	55.58	50			0.493	0.548	11.16	
Diethylphthalate	1	0		8.20	51.72	50			1.328	1.374	3.44	
4-Nitroaniline	1	0		8.32	52.17	50			0.377	0.394	4.34	
Atrazine	1	0		8.94	50.74	50			0.331	0.336	1.48	
Phenanthrene-d10	1	0	I	9.24	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.35	55.97	50			0.103	0.127	11.94	
n-Nitrosodiphenylamine	1	0	CC	8.42	51.88	50	20		0.633	0.657	3.76	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64792.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/22/2011 7:57:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.54	48.34	50			0.054	0.056	3.32	
1,2-Diphenylhydrazine	1	0		8.46	52.58	50			1.096	1.153	5.16	
4-Bromophenyl-phenylether	1	0		8.78	52.99	50			0.149	0.158	5.98	
Hexachlorobenzene	1	0		8.84	52.62	50			0.144	0.151	5.24	
N-Octadecane	1	0		9.13	54.57	50			0.715	0.780	9.14	
Pentachlorophenol	1	0	CC	9.04	59.54	50	20		0.076	0.092	19.08	
Phenanthrene	1	0		9.26	52.21	50			1.075	1.122	4.42	
Anthracene	1	0		9.32	52.89	50			1.087	1.150	5.78	
Carbazole	1	0		9.49	54.18	50			1.061	1.150	8.36	
Di-n-butylphthalate	1	0		9.88	52.55	50			1.335	1.403	5.10	
Fluoranthene	1	0	CC	10.57	53.20	50	20		1.063	1.131	6.40	
Chrysene-d12	1	0	I	12.26	40.00	40				0.000	0.00	
Pyrene	1	0		10.83	49.98	50			1.427	1.426	0.04	
Benzidine	1	0		10.74	47.29	50			0.477	0.617	5.42	
Terphenyl-d14	1	0	S	11.03	23.96	25			0.791	0.758	4.16	
4,4'-DDE	1	0		10.97	49.18				0.237			
4,4'-DDD	1	0		11.37	49.87				0.462			
Butylbenzylphthalate	1	0		11.63	49.23	50			0.752	0.741	1.54	
4,4'-DDT	1	0		11.72	53.75				0.371			
3,3'-Dichlorobenzidine	1	0		12.23	55.74	50			0.285	0.354	11.48	
Benzo[a]anthracene	1	0		12.24	51.28	50			1.137	1.166	2.56	
Chrysene	1	0		12.29	49.80	50			1.122	1.117	0.40	
bis(2-Ethylhexyl)phthalate	1	0		12.33	48.36	50			1.045	1.011	3.28	
Perylene-d12	1	0	I	13.85	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.09	42.78	50	20		1.993	1.878	14.44	
Benzo[b]fluoranthene	1	0		13.46	50.55	50			1.161	1.173	1.10	
Benzo[k]fluoranthene	1	0		13.48	49.74	50			1.152	1.146	0.52	
Benzo[a]pyrene	1	0	CC	13.79	51.92	50	20		1.095	1.137	3.84	
Indeno[1,2,3-cd]pyrene	1	0		14.98	51.01	50			0.996	1.017	2.02	
Dibenzo[a,h]anthracene	1	0		15.01	51.80	50			0.826	0.856	3.60	
Benzo[g,h,i]perylene	1	0		15.30	52.56	50			0.846	0.889	5.12	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64792.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 08:17
Acq On : 02/22/11 07:57 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.421	152	56591	40.00	ng	-0.03
29) Naphthalene-d8	6.442	136	219925	40.00	ng	-0.03
47) Acenaphthene-d10	7.820	164	117222	40.00	ng	-0.03
74) Phenanthrene-d10	9.236	188	195487	40.00	ng	-0.04
88) Chrysene-d12	12.259	240	159000	40.00	ng	-0.04
100) Perylene-d12	13.851	264	135419	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.193	112	97241	52.49	ng	-0.04
Spiked Amount 100.000			Recovery = 52.49%			
15) Phenol-d5	5.128	99	135971	52.00	ng	-0.04
Spiked Amount 100.000			Recovery = 52.00%			
30) Nitrobenzene-d5	5.881	128	23447	24.90	ng	-0.03
Spiked Amount 50.000			Recovery = 49.80%			
52) 2-Fluorobiphenyl	7.259	172	92131	24.89	ng	-0.03
Spiked Amount 50.000			Recovery = 49.78%			
77) 2,4,6-Tribromophenol	8.536	330	13743	48.34	ng	-0.04
Spiked Amount 100.000			Recovery = 48.34%			
91) Terphenyl-d14	11.031	244	75290	23.96	ng	-0.04
Spiked Amount 50.000			Recovery = 47.92%			
Target Compounds						Qvalue
8) Pyridine	2.424	79	129444	50.18	ng	88
9) N-Nitrosodimethylamine	2.366	74	79112	51.34	ng	86
11) Benzaldehyde	5.031	77	50938	32.19	ng	87
12) Aniline	5.133	93	166465	57.35	ng	80
13) Pentachloroethane	5.170	117	35064	51.23	ng	93
14) bis(2-Chloroethyl)ether	5.202	93	108107	50.40	ng	90
16) Phenol	5.138	94	164928	54.36	ng	81
17) 2-Chlorophenol	5.240	128	112702	55.88	ng	92
18) N-Decane	5.299	57	152945	53.59	ng	94
19) 1,3-Dichlorobenzene	5.368	146	110603	53.33	ng	98
20) 1,4-Dichlorobenzene	5.437	146	110344	51.52	ng	99
21) 1,2-Dichlorobenzene	5.560	146	105763	53.24	ng	97
22) Benzyl alcohol	5.544	108	73932	54.27	ng	84
23) bis(2-chloroisopropyl)...	5.662	45	199678	54.61	ng	100
24) 2-Methylphenol	5.651	108	101722	53.05	ng	98
25) Acetophenone	5.758	105	163468	52.54	ng	72
26) Hexachloroethane	5.838	117	44421	49.90	ng	94
27) N-Nitroso-di-n-propyla...	5.763	70	87123	53.18	ng	90
28) 3&4-Methylphenol	5.779	108	111398	52.65	ng	99
31) Nitrobenzene	5.897	77	131317	52.32	ng	89
32) Isophorone	6.089	82	232620	51.57	ng	96
33) 2-Nitrophenol	6.148	139	58998	57.36	ng	87
34) 2,4-Dimethylphenol	6.191	107	121656	58.64	ng	95
35) Benzoic Acid	6.271	105	66005m	54.36	ng	
36) bis(2-Chloroethoxy)met...	6.260	93	133607	51.61	ng	99
37) 2,4-Dichlorophenol	6.340	162	84620	57.92	ng	94
38) 1,2,4-Trichlorobenzene	6.399	180	84337	52.10	ng	99
39) Naphthalene	6.458	128	308173	51.70	ng	100
40) 4-Chloroaniline	6.501	127	119317	51.43	ng	98
41) Hexachlorobutadiene	6.554	225	36665	53.08	ng	97
42) Caprolactam	6.762	113	35264	51.46	ng	67
43) 4-Chloro-3-methylphenol	6.869	107	107470	57.09	ng	97
44) 2-Methylnaphthalene	6.981	142	184926	51.79	ng	98
45) Methylnaphthalenes (To...	6.981	142	184926	51.79	ng	98
46) 1,1'-Biphenyl	7.339	154	244246	53.05	ng	99
48) 1,2,4,5-Tetrachloroben...	7.110	216	74824	52.74	ng	99
49) Hexachlorocyclopentadiene	7.099	237	30079	47.23	ng	96
50) 2,4,6-Trichlorophenol	7.200	196	53493	59.44	ng	98
51) 2,4,5-Trichlorophenol	7.232	196	52330	51.69	ng	96
53) 2-Chloronaphthalene	7.361	162	170814	52.41	ng	96
54) 1,4-Dimethylnaphthalene	7.628	156	137190	53.83	ng	97
55) Dimethylnaphthalenes (...	7.628	156	137190	53.83	ng	97
56) Diphenyl Ether	7.425	170	131687	53.76	ng	91
57) 2-Nitroaniline	7.441	65	91756	52.28	ng	77
58) Coumarin	7.612	146	76020	54.49	ng	86
59) Acenaphthylene	7.703	152	289355	52.66	ng	100
60) Dimethylphthalate	7.585	163	188657	50.55	ng	99
61) 2,6-Dinitrotoluene	7.638	165	42440	51.98	ng	78
62) Acenaphthene	7.847	153	176716	51.87	ng	95
63) 3-Nitroaniline	7.777	138	54947	58.15	ng	34
64) 2,4-Dinitrophenol	7.868	184	22113	59.01	ng	63
65) Dibenzofuran	7.996	168	242002	52.38	ng	92

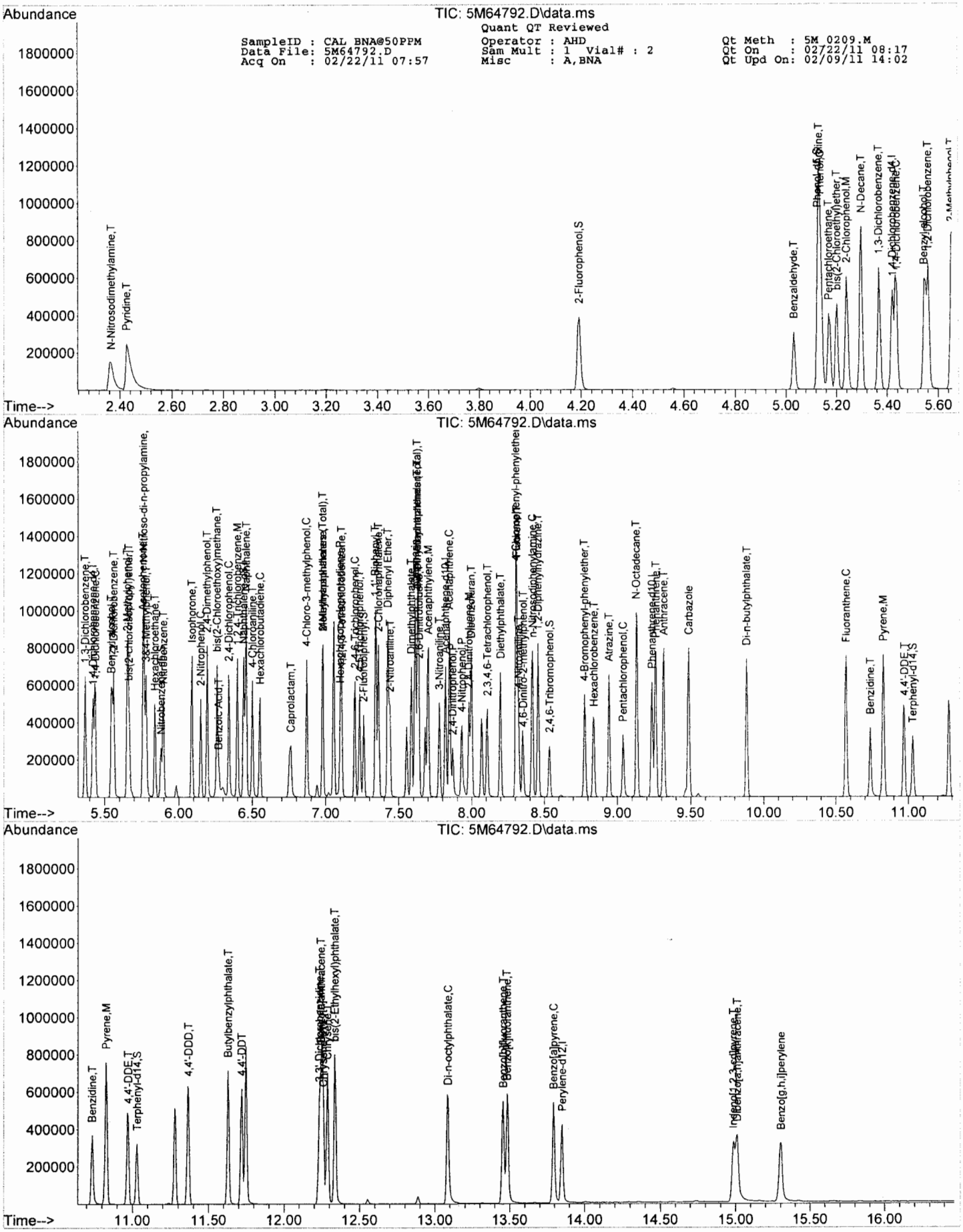
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64792.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 08:17
Acq On : 02/22/11 07:57 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.980	165	58559	54.31	ng	93
67)	4-Nitrophenol	7.932	65	58227	60.17	ng	94
68)	2,3,4,6-Tetrachlorophenol	8.109	232	37210	50.58	ng	98
69)	Fluorene	8.312	166	195930	54.97	ng	98
70)	4-Chlorophenyl-phenyle...	8.306	204	80241	55.58	ng	100
71)	Diethylphthalate	8.199	149	201345	51.72	ng	100
72)	4-Nitroaniline	8.322	138	57662	52.17	ng	97
73)	Atrazine	8.942	200	49201	50.74	ng	98
75)	4,6-Dinitro-2-methylph...	8.354	198	31123	55.97	ng	36
76)	n-Nitrosodiphenylamine	8.418	169	160425	51.88	ng	98
78)	1,2-Diphenylhydrazine	8.456	77	281647	52.58	ng	99
79)	4-Bromophenyl-phenylether	8.776	248	38679	52.99	ng	91
80)	Hexachlorobenzene	8.840	284	36907	52.62	ng	90
81)	N-Octadecane	9.129	57	190688	54.57	ng	96
82)	Pentachlorophenol	9.038	266	22363	59.54	ng	99
83)	Phenanthrene	9.262	178	274250	52.21	ng	98
84)	Anthracene	9.316	178	281101	52.89	ng	100
85)	Carbazole	9.487	167	280993	54.18	ng	97
86)	Di-n-butylphthalate	9.882	149	342890	52.55	ng	99
87)	Fluoranthene	10.571	202	276391	53.20	ng	95
89)	Pyrene	10.828	202	283463	49.98	ng	95
90)	Benzidine	10.737	184	122606	47.29	ng	98
92)	4,4'-DDE	10.972	246	46237	49.18	ng	87
93)	4,4'-DDD	11.367	235	91528	49.87	ng	81
94)	Butylbenzylphthalate	11.629	149	147251	49.23	ng	89
95)	4,4'-DDT	11.720	235	85287	53.75	ng	82
96)	3,3'-Dichlorobenzidine	12.233	252	70264	55.74	ng	98
97)	Benzo[a]anthracene	12.243	228	231743	51.28	ng	98
98)	Chrysene	12.286	228	222103	49.80	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.334	149	200986	48.36	ng	99
101)	Di-n-octylphthalate	13.088	149	317853	42.78	ng	99
102)	Benzo[b]fluoranthene	13.456	252	198605	50.55	ng	97
103)	Benzo[k]fluoranthene	13.483	252	193924	49.74	ng	96
104)	Benzo[a]pyrene	13.793	252	192434	51.92	ng	97
105)	Indeno[1,2,3-cd]pyrene	14.984	276	172074	51.01	ng	72
106)	Dibenzo[a,h]anthracene	15.011	278	144910	51.80	ng	92
107)	Benzo[g,h,i]perylene	15.305	276	150448	52.56	ng	78

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


Abundance
TIC: 5M64792.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64792.D
Acq On : 02/22/11 07:57
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02722/11 08:17
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 5M64792.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 5M64792.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19509.D **Instrument:** GCMS 10

Cont Calibration Date/Time 2/22/2011 8:56:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.65	40.00	40				0.000	0.00	
Pyridine	1	0		2.83	48.61	50			1.588	1.543	2.78	
N-Nitrosodimethylamine	1	0		2.75	47.26	50			0.969	0.916	5.48	
2-Fluorophenol	1	0	S	4.45	48.83	50			1.370	1.338	2.34	
Benzaldehyde	1	0		5.27	30.45	50			1.014	0.617	39.10	
Aniline	1	0		5.37	51.84	50			2.006	2.080	3.68	
Pentachloroethane	1	0		5.41	49.19	50			0.496	0.488	1.62	
bis(2-Chloroethyl)ether	1	0		5.43	49.97	50			1.409	1.408	0.06	
Phenol-d5	1	0	S	5.34	47.29	50			1.751	1.656	5.42	
Phenol	1	0	CC	5.36	48.06	50	20		1.966	1.890	3.88	
2-Chlorophenol	1	0		5.47	49.02	50			1.402	1.375	1.96	
N-Decane	1	0		5.52	51.25	50			2.225	2.281	2.50	
1,3-Dichlorobenzene	1	0		5.60	49.77	50			1.502	1.495	0.46	
1,4-Dichlorobenzene	1	0	CC	5.67	50.63	50	20		1.508	1.527	1.26	
1,2-Dichlorobenzene	1	0		5.79	49.32	50			1.450	1.430	1.36	
Benzyl alcohol	1	0		5.77	49.06	50			0.966	0.948	1.88	
bis(2-chloroisopropyl)ether	1	0		5.88	50.30	50			3.202	3.221	0.60	
2-Methylphenol	1	0		5.86	49.14	50			1.347	1.324	1.72	
Acetophenone	1	0		5.99	48.67	50			2.053	1.998	2.66	
Hexachloroethane	1	0		6.07	48.38	50			0.636	0.615	3.24	
N-Nitroso-di-n-propylamine	1	0	CP	5.99	46.83	50	0.05		1.037	0.971	6.34	
3&4-Methylphenol	1	0		5.99	48.49	50			1.319	1.279	3.02	
Naphthalene-d8	1	0	I	6.66	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.10	25.16	25			0.165	0.166	0.64	
Nitrobenzene	1	0		6.12	49.06	50			0.397	0.389	1.88	
Isophorone	1	0		6.31	49.21	50			0.707	0.696	1.58	
2-Nitrophenol	1	0	CC	6.37	47.95	50	20		0.187	0.179	4.10	
2,4-Dimethylphenol	1	0		6.40	51.07	50			0.355	0.363	2.14	
Benzoic Acid	1	0		6.47	37.83	50			0.256	0.184	24.34	
bis(2-Chloroethoxy)methane	1	0		6.47	52.10	50			0.419	0.437	4.20	
2,4-Dichlorophenol	1	0	CC	6.55	51.48	50	20		0.271	0.279	2.96	
1,2,4-Trichlorobenzene	1	0		6.62	53.26	50			0.293	0.313	6.52	
Naphthalene	1	0		6.68	51.91	50			1.016	1.054	3.82	
4-Chloroaniline	1	0		6.71	56.89	50			0.324	0.419	13.78	
Hexachlorobutadiene	1	0	CC	6.77	52.80	50	20		0.137	0.145	5.60	
Caprolactam	1	0		6.98	47.67	50			0.124	0.119	4.66	
4-Chloro-3-methylphenol	1	0	CC	7.08	51.24	50	20		0.311	0.319	2.48	
2-Methylnaphthalene	1	0		7.21	50.31	50			0.651	0.655	0.62	
Methylnaphthalenes	1	0		7.21	50.62	50	20			0.659	1.24	
1,1'-Biphenyl	1	0		7.57	50.90	50			0.820	0.835	1.80	
Acenaphthene-d10	1	0	I	8.06	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.33	51.80	50			0.472	0.489	3.60	
Hexachlorocyclopentadiene	1	0	CP	7.32	51.73	50	0.05		0.241	0.250	3.46	
2,4,6-Trichlorophenol	1	0	CC	7.42	51.51	50	20		0.316	0.325	3.02	
2,4,5-Trichlorophenol	1	0		7.45	52.01	50			0.344	0.358	4.02	
2-Fluorobiphenyl	1	0	S	7.49	25.23	25			1.224	1.236	0.92	
2-Chloronaphthalene	1	0		7.59	50.96	50			1.117	1.138	1.92	
1,4-Dimethylnaphthalene	1	0		7.87	52.53	50			0.827	0.868	5.06	
Dimethylnaphthalenes	1	0		7.87	52.53	50	20			0.868	5.06	
Diphenyl Ether	1	0		7.66	50.03	50			0.836	0.837	0.06	
2-Nitroaniline	1	0		7.67	49.05	50			0.493	0.484	1.90	
Coumarin	1	0		7.85	52.91				0.475			
Acenaphthylene	1	0		7.94	51.25	50			1.758	1.801	2.50	
Dimethylphthalate	1	0		7.82	50.70	50			1.279	1.296	1.40	
2,6-Dinitrotoluene	1	0		7.87	52.79	50			0.268	0.283	5.58	
Acenaphthene	1	0	CC	8.09	51.01	50	20		1.081	1.103	2.02	
3-Nitroaniline	1	0		8.01	56.70	50			0.323	0.367	13.40	
2,4-Dinitrophenol	1	0	CP	8.10	37.04	50	0.05		0.143	0.113	25.92	
Dibenzofuran	1	0		8.24	50.21	50			1.557	1.563	0.42	
2,4-Dinitrotoluene	1	0		8.22	50.04	50			0.383	0.384	0.08	
4-Nitrophenol	1	0	CP	8.14	41.80	50	0.05		0.306	0.277	16.40	
2,3,4,6-Tetrachlorophenol	1	0		8.35	52.62	50			0.241	0.254	5.24	
Fluorene	1	0		8.56	50.67	50			1.245	1.262	1.34	
4-Chlorophenyl-phenylether	1	0		8.55	52.72	50			0.517	0.545	5.44	
Diethylphthalate	1	0		8.44	50.37	50			1.289	1.298	0.74	
4-Nitroaniline	1	0		8.56	49.96	50			0.374	0.373	0.08	
Atrazine	1	0		9.19	49.79	50			0.337	0.335	0.42	
Phenanthrene-d10	1	0	I	9.50	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.60	42.21	50			0.114	0.110	15.58	
n-Nitrosodiphenylamine	1	0	CC	8.66	52.20	50	20		0.660	0.689	4.40	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19509.D **Instrument:** GCMS 10

Cont Calibration Date/Time 2/22/2011 8:56:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.4.6-Tribromophenol	1	0	S	8.79	48.74	50			0.071	0.070	2.52	
1.2-Diphenylhydrazine	1	0		8.70	49.47	50			0.961	0.951	1.06	
4-Bromophenyl-phenylether	1	0		9.03	50.61	50			0.168	0.170	1.22	
Hexachlorobenzene	1	0		9.09	49.88	50			0.163	0.163	0.24	
N-Octadecane	1	0		9.37	54.32	50			0.788	0.857	8.64	
Pentachlorophenol	1	0	CC	9.29	44.92	50	20		0.105	0.095	10.16	
Phenanthrene	1	0		9.52	51.20	50			1.075	1.101	2.40	
Anthracene	1	0		9.58	50.85	50			1.101	1.120	1.70	
Carbazole	1	0		9.75	49.42	50			1.124	1.111	1.16	
Di-n-butylphthalate	1	0		10.13	52.72	50			1.370	1.444	5.44	
Fluoranthene	1	0	CC	10.84	50.74	50	20		1.145	1.161	1.48	
Chrysene-d12	1	0	I	12.53	40.00	40				0.000	0.00	
Pyrene	1	0		11.10	52.16	50			1.328	1.386	4.32	
Benzidine	1	0		11.00	38.58	50			0.533	0.526	22.84	
Terphenyl-d14	1	0	S	11.29	26.10	25			0.789	0.824	4.40	
4.4'-DDE	1	0		11.23	51.74				0.236			
4.4'-DDD	1	0		11.62	53.51				0.450			
Butylbenzylphthalate	1	0		11.89	50.09	50			0.691	0.692	0.18	
4.4'-DDT	1	0		11.98	51.52				0.350			
3.3'-Dichlorobenzidine	1	0		12.50	48.38	50			0.297	0.335	3.24	
Benzo[a]anthracene	1	0		12.52	51.54	50			1.113	1.148	3.08	
Chrysene	1	0		12.56	53.74	50			1.067	1.147	7.48	
bis(2-Ethylhexyl)phthalate	1	0		12.58	53.21	50			0.902	0.960	6.42	
Perylene-d12	1	0	I	14.12	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.32	47.27	50	20		1.698	1.690	5.46	
Benzo[b]fluoranthene	1	0		13.73	52.74	50			1.084	1.143	5.48	
Benzo[k]fluoranthene	1	0		13.75	56.54	50			1.077	1.217	13.08	
Benzo[a]pyrene	1	0	CC	14.06	53.38	50	20		1.056	1.127	6.76	
Indeno[1.2.3-cd]pyrene	1	0		15.35	50.13	50			1.107	1.110	0.26	
Dibenzo[a,h]anthracene	1	0		15.37	49.78	50			0.898	0.894	0.44	
Benzo[g,h,i]perylene	1	0		15.69	49.30	50			0.953	0.940	1.40	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.827	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
2.2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.651	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19509.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 09:13
Acq On : 02/22/11 08:56 Misc : A,BNA Qt Upd On: 02/11/11 14:13

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.655	152	71766	40.00	ng	-0.03
29) Naphthalene-d8	6.660	136	275965	40.00	ng	-0.03
47) Acenaphthene-d10	8.062	164	150556	40.00	ng	-0.04
74) Phenanthrene-d10	9.500	188	239636	40.00	ng	-0.04
88) Chrysene-d12	12.528	240	208302	40.00	ng	-0.04
100) Perylene-d12	14.122	264	191464	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.446	112	120037	48.83	ng	-0.03
Spiked Amount 100.000			Recovery = 48.83%			
15) Phenol-d5	5.339	99	148550	47.29	ng	-0.03
Spiked Amount 100.000			Recovery = 47.29%			
30) Nitrobenzene-d5	6.104	128	28697	25.16	ng	-0.03
Spiked Amount 50.000			Recovery = 50.32%			
52) 2-Fluorobiphenyl	7.489	172	116282	25.23	ng	-0.03
Spiked Amount 50.000			Recovery = 50.46%			
77) 2,4,6-Tribromophenol	8.789	330	20852	48.74	ng	-0.04
Spiked Amount 100.000			Recovery = 48.74%			
91) Terphenyl-d14	11.292	244	107277	26.10	ng	-0.04
Spiked Amount 50.000			Recovery = 52.20%			
Target Compounds						Qvalue
8) Pyridine	2.825	79	138449	48.61	ng	92
9) N-Nitrosodimethylamine	2.750	74	82176	47.26	ng	98
11) Benzaldehyde	5.275	77	55375	30.45	ng	75
12) Aniline	5.371	93	186578	51.84	ng	76
13) Pentachloroethane	5.414	117	43794	49.19	ng	88
14) bis(2-Chloroethyl)ether	5.430	93	126322	49.97	ng	95
16) Phenol	5.355	94	169553	48.06	ng	90
17) 2-Chlorophenol	5.473	128	123344	49.02	ng	88
18) N-Decane	5.521	57	204642	51.25	ng	94
19) 1,3-Dichlorobenzene	5.601	146	134147	49.77	ng	99
20) 1,4-Dichlorobenzene	5.665	146	137019	50.63	ng	98
21) 1,2-Dichlorobenzene	5.794	146	128310	49.32	ng	97
22) Benzyl alcohol	5.772	108	85050	49.06	ng	70
23) bis(2-chloroisopropyl)...	5.885	45	288938	50.30	ng	92
24) 2-Methylphenol	5.863	108	118732	49.14	ng	94
25) Acetophenone	5.986	105	179234	48.67	ng	82
26) Hexachloroethane	6.067	117	55184	48.38	ng	99
27) N-Nitroso-di-n-propyla...	5.986	70	87107	46.83	ng	96
28) 3&4-Methylphenol	5.986	108	114779	48.49	ng	100
31) Nitrobenzene	6.120	77	134240	49.06	ng	84
32) Isophorone	6.307	82	240013	49.21	ng	88
33) 2-Nitrophenol	6.366	139	61808	47.95	ng	88
34) 2,4-Dimethylphenol	6.398	107	125073	51.07	ng	99
35) Benzoic Acid	6.468	105	63506	37.83	ng	89
36) bis(2-Chloroethoxy)met...	6.473	93	150727	52.10	ng	97
37) 2,4-Dichlorophenol	6.553	162	96389	51.48	ng	88
38) 1,2,4-Trichlorobenzene	6.617	180	107824	53.26	ng	98
39) Naphthalene	6.676	128	363693	51.91	ng	99
40) 4-Chloroaniline	6.714	127	144594	56.89	ng	88
41) Hexachlorobutadiene	6.767	225	50009	52.80	ng	97
42) Caprolactam	6.976	113	40932	47.67	ng	64
43) 4-Chloro-3-methylphenol	7.077	107	109972	51.24	ng	83
44) 2-Methylnaphthalene	7.206	142	225978	50.31	ng	99
45) Methylnaphthalenes (To...	7.206	142	227402	50.62	ng	99
46) 1,1'-Biphenyl	7.569	154	287894	50.90	ng	96
48) 1,2,4,5-Tetrachloroben...	7.334	216	91977	51.80	ng	97
49) Hexachlorocyclopentadiene	7.323	237	46960	51.73	ng	99
50) 2,4,6-Trichlorophenol	7.420	196	61199	51.51	ng	98
51) 2,4,5-Trichlorophenol	7.452	196	67327	52.01	ng	99
53) 2-Chloronaphthalene	7.591	162	214248	50.96	ng	95
54) 1,4-Dimethylnaphthalene	7.869	156	163441	52.53	ng	93
55) Dimethylnaphthalenes (...	7.869	156	163441	52.53	ng	93
56) Diphenyl Ether	7.655	170	157511	50.03	ng	84
57) 2-Nitroaniline	7.671	65	91003	49.05	ng	68
58) Coumarin	7.848	146	94642	52.91	ng	68
59) Acenaphthylene	7.944	152	339021	51.25	ng	100
60) Dimethylphthalate	7.816	163	243994	50.70	ng	99
61) 2,6-Dinitrotoluene	7.869	165	53186	52.79	ng	72
62) Acenaphthene	8.094	153	207541	51.01	ng	97
63) 3-Nitroaniline	8.013	138	69020	56.70	ng	79
64) 2,4-Dinitrophenol	8.104	184	21233	37.04	ng	55
65) Dibenzofuran	8.243	168	294182	50.21	ng	90

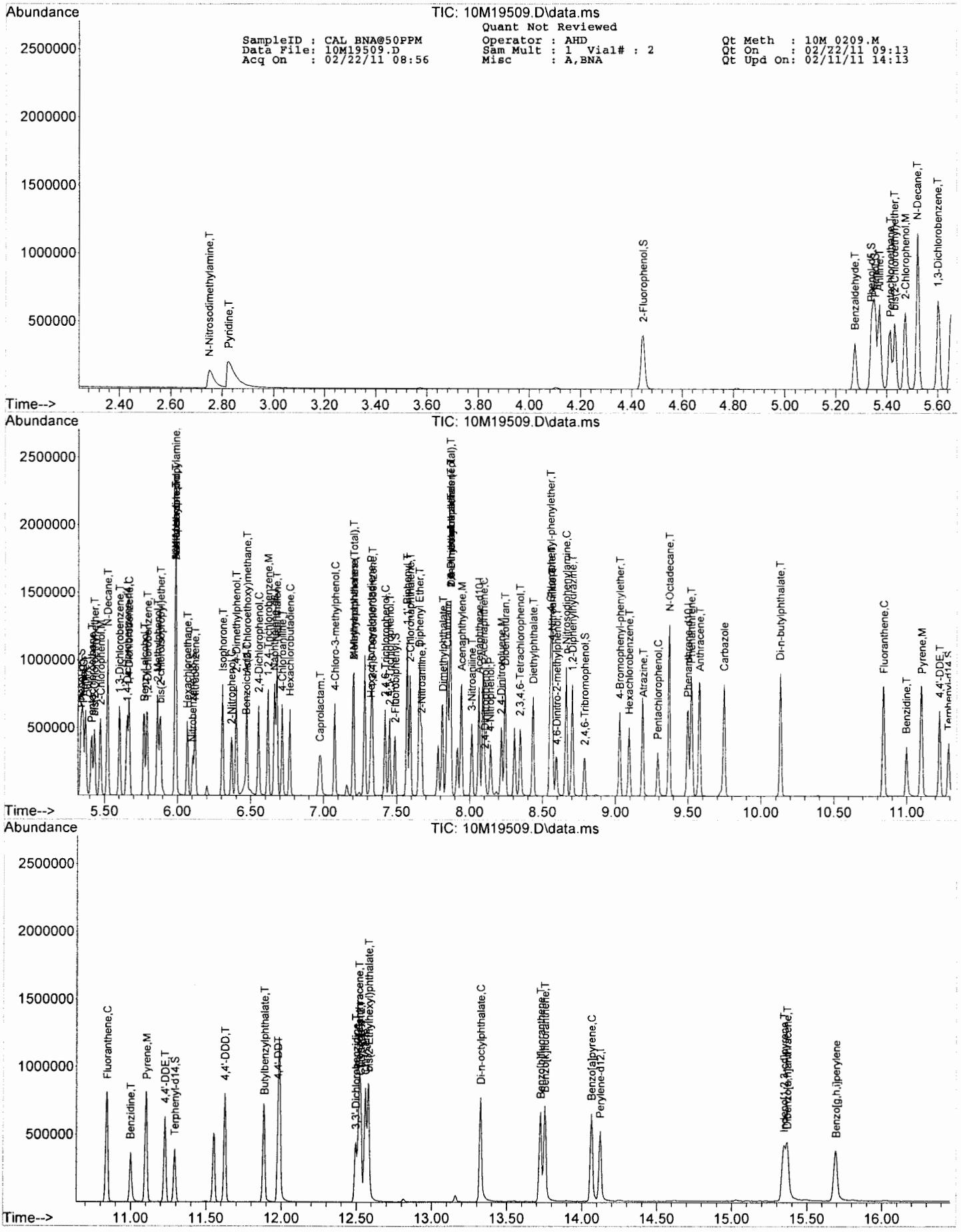
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19509.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 09:13
Acq On : 02/22/11 08:56 Misc : A,BNA Qt Upd On: 02/11/11 14:13

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.217	165	72208	50.04	ng	82
67)	4-Nitrophenol	8.142	65	52197	41.80	ng	97
68)	2,3,4,6-Tetrachlorophenol	8.345	232	47807	52.62	ng	94
69)	Fluorene	8.559	166	237541	50.67	ng	99
70)	4-Chlorophenyl-phenyle...	8.554	204	102623	52.72	ng	90
71)	Diethylphthalate	8.436	149	244347	50.37	ng	99
72)	4-Nitroaniline	8.564	138	70235	49.96	ng	80
73)	Atrazine	9.190	200	63133	49.79	ng	98
75)	4,6-Dinitro-2-methylph...	8.596	198	32980	42.21	ng	49
76)	n-Nitrosodiphenylamine	8.661	169	206392	52.20	ng	97
78)	1,2-Diphenylhydrazine	8.703	77	284811	49.47	ng	91
79)	4-Bromophenyl-phenylether	9.030	248	50812	50.61	ng	97
80)	Hexachlorobenzene	9.094	284	48707	49.88	ng	92
81)	N-Octadecane	9.372	57	256583	54.32	ng	94
82)	Pentachlorophenol	9.292	266	28353	44.92	ng	97
83)	Phenanthrene	9.522	178	329753	51.20	ng	99
84)	Anthracene	9.581	178	335388	50.85	ng	100
85)	Carbazole	9.746	167	332842	49.42	ng	99
86)	Di-n-butylphthalate	10.132	149	432630	52.72	ng	98
87)	Fluoranthene	10.843	202	347914	50.74	ng	99
89)	Pyrene	11.105	202	360792	52.16	ng	94
90)	Benzidine	10.998	184	136872	38.58	ng	92
92)	4,4'-DDE	11.228	246	63469	51.74	ng	92
93)	4,4'-DDD	11.624	235	125383	53.51	ng	85
94)	Butylbenzylphthalate	11.886	149	180206	50.09	ng	75
95)	4,4'-DDT	11.977	235	93897	51.52	ng	92
96)	3,3'-Dichlorobenzidine	12.496	252	87247	48.38	ng	100
97)	Benzo[a]anthracene	12.517	228	298866	51.54	ng	99
98)	Chrysene	12.560	228	298575	53.74	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.581	149	249900	53.21	ng	94
101)	Di-n-octylphthalate	13.325	149	404410	47.27	ng	100
102)	Benzo[b]fluoranthene	13.726	252	273581	52.74	ng	99
103)	Benzo[k]fluoranthene	13.753	252	291349	56.54	ng	100
104)	Benzo[a]pyrene	14.063	252	269812	53.38	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.346	276	265574	50.13	ng	96
106)	Dibenzo[a,h]anthracene	15.368	278	214029	49.78	ng	96
107)	Benzo[g,h,i]perylene	15.694	276	224904	49.30	ng	89

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


Abundance
TIC: 10M19509.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19509.D
Acq On : 02/22/11 08:56
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/22/11 09:13
Qt Upd On: 02/11/11 14:13
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64836.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/24/2011 9:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.41	40.00	40				0.000	0.00	
Pyridine	1	0		2.43	53.87	50			1.823	1.965	7.74	
N-Nitrosodimethylamine	1	0		2.36	52.28	50			1.089	1.139	4.56	
2-Fluorophenol	1	0	S	4.19	53.63	50			1.309	1.405	7.26	
Benzaldehyde	1	0		5.03	38.00	50			0.918	0.832	24.00	
Aniline	1	0		5.13	59.35	50			2.052	2.435	18.70	
Pentachloroethane	1	0		5.17	52.52	50			0.484	0.508	5.04	
bis(2-Chloroethyl)ether	1	0		5.19	52.84	50			1.516	1.602	5.68	
Phenol-d5	1	0	S	5.12	54.11	50			1.848	2.000	8.22	
Phenol	1	0	CC	5.14	52.24	50	20		2.144	2.241	4.48	
2-Chlorophenol	1	0		5.24	52.84	50			1.426	1.506	5.68	
N-Decane	1	0		5.29	53.57	50			2.017	2.161	7.14	
1,3-Dichlorobenzene	1	0		5.37	51.58	50			1.466	1.512	3.16	
1,4-Dichlorobenzene	1	0	CC	5.43	51.95	50	20		1.514	1.573	3.90	
1,2-Dichlorobenzene	1	0		5.56	53.13	50			1.404	1.492	6.26	
Benzyl alcohol	1	0		5.54	56.45	50			0.963	1.087	12.90	
bis(2-chloroisopropyl)ether	1	0		5.66	56.23	50			2.585	2.906	12.46	
2-Methylphenol	1	0		5.65	55.29	50			1.355	1.498	10.58	
Acetophenone	1	0		5.76	53.68	50			2.199	2.361	7.36	
Hexachloroethane	1	0		5.84	52.12	50			0.629	0.656	4.24	
N-Nitroso-di-n-propylamine	1	0	CP	5.76	53.68	50	0.05		1.158	1.243	7.36	
3&4-Methylphenol	1	0		5.77	53.71	50			1.495	1.607	7.42	
Naphthalene-d8	1	0	I	6.43	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.87	25.80	25			0.171	0.177	3.20	
Nitrobenzene	1	0		5.89	52.56	50			0.456	0.480	5.12	
Isophorone	1	0		6.08	52.73	50			0.820	0.865	5.46	
2-Nitrophenol	1	0	CC	6.15	51.80	50	20		0.187	0.194	3.60	
2,4-Dimethylphenol	1	0		6.19	53.39	50			0.377	0.403	6.78	
Benzoic Acid	1	0		6.27	57.76	50			0.226	0.258	15.52	
bis(2-Chloroethoxy)methane	1	0		6.25	52.37	50			0.471	0.493	4.74	
2,4-Dichlorophenol	1	0	CC	6.34	53.29	50	20		0.266	0.283	6.58	
1,2,4-Trichlorobenzene	1	0		6.39	51.51	50			0.294	0.303	3.02	
Naphthalene	1	0		6.45	49.95	50			1.084	1.083	0.10	
4-Chloroaniline	1	0		6.49	52.15	50			0.348	0.439	4.30	
Hexachlorobutadiene	1	0	CC	6.55	52.25	50	20		0.126	0.131	4.50	
Caprolactam	1	0		6.75	54.81	50			0.125	0.137	9.62	
4-Chloro-3-methylphenol	1	0	CC	6.86	52.94	50	20		0.342	0.363	5.88	
2-Methylnaphthalene	1	0		6.97	52.43	50			0.649	0.681	4.86	
Methylnaphthalenes	1	0		6.97	52.43	50	20			0.681	4.86	
1,1'-Biphenyl	1	0		7.33	52.89	50			0.837	0.886	5.78	
Acenaphthene-d10	1	0	I	7.81	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.10	53.72	50			0.484	0.520	7.44	
Hexachlorocyclopentadiene	1	0	CP	7.09	50.43	50	0.05		0.190	0.219	0.86	
2,4,6-Trichlorophenol	1	0	CC	7.19	54.87	50	20		0.307	0.337	9.74	
2,4,5-Trichlorophenol	1	0		7.23	51.39	50			0.345	0.355	2.78	
2-Fluorobiphenyl	1	0	S	7.25	25.75	25			1.263	1.301	3.00	
2-Chloronaphthalene	1	0		7.35	51.26	50			1.112	1.140	2.52	
1,4-Dimethylnaphthalene	1	0		7.62	53.51	50			0.870	0.931	7.02	
Dimethylnaphthalenes	1	0		7.62	53.51	50	20			0.931	7.02	
Diphenyl Ether	1	0		7.42	53.32	50			0.836	0.891	6.64	
2-Nitroaniline	1	0		7.43	53.18	50			0.599	0.637	6.36	
Coumarin	1	0		7.60	54.77				0.476			
Acenaphthylene	1	0		7.70	52.58	50			1.875	1.972	5.16	
Dimethylphthalate	1	0		7.58	52.21	50			1.274	1.330	4.42	
2,6-Dinitrotoluene	1	0		7.63	54.05	50			0.279	0.301	8.10	
Acenaphthene	1	0	CC	7.84	52.66	50	20		1.163	1.224	5.32	
3-Nitroaniline	1	0		7.78	59.53	50			0.322	0.384	19.06	
2,4-Dinitrophenol	1	0	CP	7.87	59.88	50	0.05		0.131	0.154	19.76	
Dibenzofuran	1	0		7.99	51.88	50			1.576	1.636	3.76	
2,4-Dinitrotoluene	1	0		7.97	54.34	50			0.368	0.400	8.68	
4-Nitrophenol	1	0	CP	7.92	54.16	50	0.05		0.330	0.358	8.32	
2,3,4,6-Tetrachlorophenol	1	0		8.10	51.57	50			0.237	0.259	3.14	
Fluorene	1	0		8.30	53.44	50			1.216	1.300	6.88	
4-Chlorophenyl-phenylether	1	0		8.30	53.17	50			0.493	0.524	6.34	
Diethylphthalate	1	0		8.19	52.54	50			1.328	1.396	5.08	
4-Nitroaniline	1	0		8.31	53.99	50			0.377	0.407	7.98	
Atrazine	1	0		8.94	53.21	50			0.331	0.352	6.42	
Phenanthrene-d10	1	0	I	9.23	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.35	52.70	50			0.103	0.119	5.40	
n-Nitrosodiphenylamine	1	0	CC	8.41	51.99	50	20		0.633	0.658	3.98	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64836.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/24/2011 9:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.53	48.93	50			0.054	0.057	2.14	
1,2-Diphenylhydrazine	1	0		8.45	51.33	50			1.096	1.125	2.66	
4-Bromophenyl-phenylether	1	0		8.77	49.20	50			0.149	0.147	1.60	
Hexachlorobenzene	1	0		8.83	51.38	50			0.144	0.147	2.76	
N-Octadecane	1	0		9.13	53.44	50			0.715	0.764	6.88	
Pentachlorophenol	1	0	CC	9.03	54.73	50	20		0.076	0.083	9.46	
Phenanthrene	1	0		9.26	50.95	50			1.075	1.095	1.90	
Anthracene	1	0		9.31	51.57	50			1.087	1.122	3.14	
Carbazole	1	0		9.48	52.67	50			1.061	1.118	5.34	
Di-n-butylphthalate	1	0		9.87	52.89	50			1.335	1.412	5.78	
Fluoranthene	1	0	CC	10.56	51.96	50	20		1.063	1.105	3.92	
Chrysene-d12	1	0	I	12.25	40.00	40				0.000	0.00	
Pyrene	1	0		10.82	50.16	50			1.427	1.431	0.32	
Benzidine	1	0		10.73	42.30	50			0.477	0.559	15.40	
Terphenyl-d14	1	0	S	11.02	24.74	25			0.791	0.782	1.04	
4,4'-DDE	1	0		10.96	49.59				0.237			
4,4'-DDD	1	0		11.36	51.06				0.462			
Butylbenzylphthalate	1	0		11.62	50.95	50			0.752	0.767	1.90	
4,4'-DDT	1	0		11.71	49.75				0.371			
3,3'-Dichlorobenzidine	1	0		12.23	51.79	50			0.285	0.330	3.58	
Benzo[a]anthracene	1	0		12.24	51.91	50			1.137	1.180	3.82	
Chrysene	1	0		12.28	49.56	50			1.122	1.112	0.88	
bis(2-Ethylhexyl)phthalate	1	0		12.33	51.83	50			1.045	1.084	3.66	
Perylene-d12	1	0	I	13.84	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.08	43.82	50	20		1.993	1.923	12.36	
Benzo[b]fluoranthene	1	0		13.45	50.51	50			1.161	1.172	1.02	
Benzo[k]fluoranthene	1	0		13.48	49.59	50			1.152	1.142	0.82	
Benzo[a]pyrene	1	0	CC	13.79	51.50	50	20		1.095	1.128	3.00	
Indeno[1,2,3-cd]pyrene	1	0		14.98	52.36	50			0.996	1.043	4.72	
Dibenzo[a,h]anthracene	1	0		15.00	52.12	50			0.826	0.861	4.24	
Benzo[g,h,i]perylene	1	0		15.29	51.86	50			0.846	0.877	3.72	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64836.D Sam Mult : 1 Vial# : 2 Qt On : 02/24/11 10:10
Acq On : 02/24/11 09:54 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	68283	40.00	ng	-0.03
29) Naphthalene-d8	6.434	136	276061	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	148067	40.00	ng	-0.04
74) Phenanthrene-d10	9.228	188	254300	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	205493	40.00	ng	-0.05
100) Perylene-d12	13.844	264	183432	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	119885	53.63	ng	-0.04
Spiked Amount 100.000			Recovery = 53.63%			
15) Phenol-d5	5.120	99	170742	54.11	ng	-0.04
Spiked Amount 100.000			Recovery = 54.11%			
30) Nitrobenzene-d5	5.873	128	30501	25.80	ng	-0.03
Spiked Amount 50.000			Recovery = 51.60%			
52) 2-Fluorobiphenyl	7.252	172	120364	25.75	ng	-0.03
Spiked Amount 50.000			Recovery = 51.50%			
77) 2,4,6-Tribromophenol	8.529	330	18094	48.93	ng	-0.04
Spiked Amount 100.000			Recovery = 48.93%			
91) Terphenyl-d14	11.023	244	100471	24.74	ng	-0.04
Spiked Amount 50.000			Recovery = 49.48%			
Target Compounds						Qvalue
8) Pyridine	2.428	79	167697	53.87	ng	85
9) N-Nitrosodimethylamine	2.364	74	97219	52.28	ng	91
11) Benzaldehyde	5.029	77	70975	38.00	ng	85
12) Aniline	5.131	93	207866	59.35	ng	78
13) Pentachloroethane	5.168	117	43375	52.52	ng	89
14) bis(2-Chloroethyl)ether	5.195	93	136768	52.84	ng	95
16) Phenol	5.136	94	191245	52.24	ng	91
17) 2-Chlorophenol	5.238	128	128577	52.84	ng	89
18) N-Decane	5.291	57	184480	53.57	ng	96
19) 1,3-Dichlorobenzene	5.366	146	129075	51.58	ng	96
20) 1,4-Dichlorobenzene	5.430	146	134258	51.95	ng	98
21) 1,2-Dichlorobenzene	5.558	146	127356	53.13	ng	96
22) Benzyl alcohol	5.542	108	92776	56.45	ng	81
23) bis(2-chloroisopropyl)...	5.660	45	248073	56.23	ng	98
24) 2-Methylphenol	5.649	108	127902	55.29	ng	97
25) Acetophenone	5.756	105	201528	53.68	ng	68
26) Hexachloroethane	5.836	117	55982	52.12	ng	95
27) N-Nitroso-di-n-propyla...	5.761	70	106117	53.68	ng	84
28) 3&4-Methylphenol	5.772	108	137125	53.71	ng	91
31) Nitrobenzene	5.889	77	165575	52.56	ng	91
32) Isophorone	6.082	82	298539	52.73	ng	99
33) 2-Nitrophenol	6.146	139	66877	51.80	ng	89
34) 2,4-Dimethylphenol	6.189	107	139047	53.39	ng	99
35) Benzoic Acid	6.274	105	88937m	57.76	ng	
36) bis(2-Chloroethoxy)met...	6.253	93	170187	52.37	ng	97
37) 2,4-Dichlorophenol	6.338	162	97738	53.29	ng	90
38) 1,2,4-Trichlorobenzene	6.392	180	104662	51.51	ng	97
39) Naphthalene	6.450	128	373756	49.95	ng	99
40) 4-Chloroaniline	6.493	127	151628	52.15	ng	100
41) Hexachlorobutadiene	6.547	225	45302	52.25	ng	97
42) Caprolactam	6.750	113	47150	54.81	ng	69
43) 4-Chloro-3-methylphenol	6.862	107	125100	52.94	ng	99
44) 2-Methylnaphthalene	6.974	142	235017	52.43	ng	97
45) Methylnaphthalenes (To...	6.974	142	235017	52.43	ng	97
46) 1,1'-Biphenyl	7.332	154	305684	52.89	ng	99
48) 1,2,4,5-Tetrachloroben...	7.102	216	96269	53.72	ng	99
49) Hexachlorocyclopentadiene	7.091	237	40566	50.43	ng	98
50) 2,4,6-Trichlorophenol	7.193	196	62369	54.87	ng	98
51) 2,4,5-Trichlorophenol	7.225	196	65718	51.39	ng	99
53) 2-Chloronaphthalene	7.353	162	211010	51.26	ng	96
54) 1,4-Dimethylnaphthalene	7.620	156	172239	53.51	ng	99
55) Dimethylnaphthalenes (...	7.620	156	172239	53.51	ng	99
56) Diphenyl Ether	7.417	170	164980	53.32	ng	92
57) 2-Nitroaniline	7.433	65	117898	53.18	ng	80
58) Coumarin	7.604	146	96513	54.77	ng	88
59) Acenaphthylene	7.695	152	364943	52.58	ng	99
60) Dimethylphthalate	7.578	163	246129	52.21	ng	100
61) 2,6-Dinitrotoluene	7.631	165	55738	54.05	ng	77
62) Acenaphthene	7.839	153	226621	52.66	ng	96
63) 3-Nitroaniline	7.775	138	71054	59.53	ng	42
64) 2,4-Dinitrophenol	7.866	184	28419	59.88	ng	84
65) Dibenzofuran	7.989	168	302719	51.88	ng	94

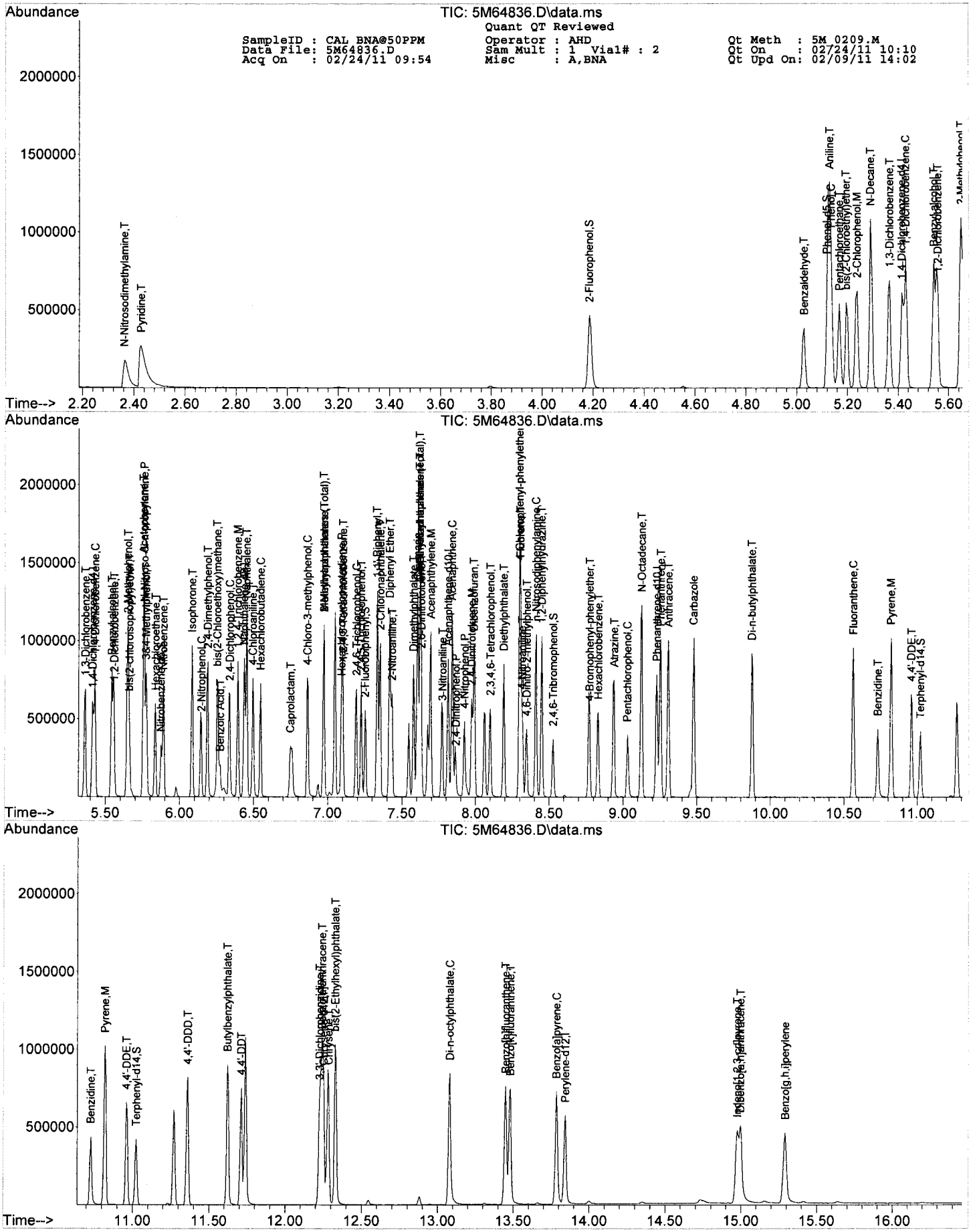
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64836.D Sam Mult : 1 Vial# : 2 Qt On : 02/24/11 10:10
Acq On : 02/24/11 09:54 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.973	165	74017	54.34	ng	98
67)	4-Nitrophenol	7.925	65	66207	54.16	ng	92
68)	2,3,4,6-Tetrachlorophenol	8.101	232	47922	51.57	ng	99
69)	Fluorene	8.304	166	240593	53.44	ng	97
70)	4-Chlorophenyl-phenyle...	8.299	204	96951	53.17	ng	96
71)	Diethylphthalate	8.192	149	258344	52.54	ng	99
72)	4-Nitroaniline	8.315	138	75378	53.99	ng	93
73)	Atrazine	8.940	200	65174	53.21	ng	98
75)	4,6-Dinitro-2-methylph...	8.347	198	37946	52.70	ng	29
76)	n-Nitrosodiphenylamine	8.411	169	209160	51.99	ng	99
78)	1,2-Diphenylhydrazine	8.448	77	357723	51.33	ng	98
79)	4-Bromophenyl-phenylether	8.774	248	46719	49.20	ng	98
80)	Hexachlorobenzene	8.833	284	46880	51.38	ng	90
81)	N-Octadecane	9.127	57	242906	53.44	ng	94
82)	Pentachlorophenol	9.031	266	26514	54.73	ng	92
83)	Phenanthrene	9.255	178	348161	50.95	ng	100
84)	Anthracene	9.309	178	356527	51.57	ng	100
85)	Carbazole	9.479	167	355371	52.67	ng	99
86)	Di-n-butylphthalate	9.875	149	448979	52.89	ng	99
87)	Fluoranthene	10.564	202	351160	51.96	ng	95
89)	Pyrene	10.820	202	367680	50.16	ng	95
90)	Benzidine	10.730	184	143586	42.30	ng	97
92)	4,4'-DDE	10.959	246	60253	49.59	ng	88
93)	4,4'-DDD	11.360	235	121109	51.06	ng	82
94)	Butylbenzylphthalate	11.622	149	196957	50.95	ng	90
95)	4,4'-DDT	11.713	235	102009	49.75	ng	83
96)	3,3'-Dichlorobenzidine	12.225	252	84870	51.79	ng	97
97)	Benzo[a]anthracene	12.241	228	303150	51.91	ng	99
98)	Chrysene	12.284	228	285623	49.56	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.327	149	278355	51.83	ng	99
101)	Di-n-octylphthalate	13.080	149	440928	43.82	ng	99
102)	Benzo[b]fluoranthene	13.449	252	268809	50.51	ng	97
103)	Benzo[k]fluoranthene	13.481	252	261868	49.59	ng	98
104)	Benzo[a]pyrene	13.785	252	258539	51.50	ng	96
105)	Indeno[1,2,3-cd]pyrene	14.977	276	239253	52.36	ng	80
106)	Dibenzo[a,h]anthracene	14.998	278	197524	52.12	ng	89
107)	Benzo[g,h,i]perylene	15.292	276	201078	51.86	ng	81

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


Abundance
TIC: 5M64836.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64836.D
Acq On : 02/24/11 09:54
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02724/11 10:10
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 5M64836.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,T
Hexachlorobutadiene,C
Diphenyl Ether,T
2-Nitroaniline,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
Time-->
Abundance
TIC: 5M64836.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64933.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/1/2011 9:38:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.41	40.00	40				0.000	0.00	
Pyridine	1	0		2.40	52.53	50			1.823	1.916	5.06	
N-Nitrosodimethylamine	1	0		2.35	51.70	50			1.089	1.126	3.40	
2-Fluorophenol	1	0	S	4.17	53.16	50			1.309	1.392	6.32	
Benzaldehyde	1	0		5.02	43.86	50			0.918	0.938	12.28	
Aniline	1	0		5.12	53.58	50			2.052	2.199	7.16	
Pentachloroethane	1	0		5.16	52.83	50			0.484	0.511	5.66	
bis(2-Chloroethyl)ether	1	0		5.19	50.54	50			1.516	1.532	1.08	
Phenol-d5	1	0	S	5.11	52.87	50			1.848	1.954	5.74	
Phenol	1	0	CC	5.13	49.88	50	20		2.144	2.139	0.24	
2-Chlorophenol	1	0		5.23	50.22	50			1.426	1.432	0.44	
N-Decane	1	0		5.29	52.78	50			2.017	2.129	5.56	
1,3-Dichlorobenzene	1	0		5.36	51.83	50			1.466	1.520	3.66	
1,4-Dichlorobenzene	1	0	CC	5.42	52.20	50	20		1.514	1.581	4.40	
1,2-Dichlorobenzene	1	0		5.55	52.65	50			1.404	1.479	5.30	
Benzyl alcohol	1	0		5.54	54.71	50			0.963	1.053	9.42	
bis(2-chloroisopropyl)ether	1	0		5.65	54.16	50			2.585	2.800	8.32	
2-Methylphenol	1	0		5.64	54.32	50			1.355	1.472	8.64	
Acetophenone	1	0		5.75	48.83	50			2.199	2.148	2.34	
Hexachloroethane	1	0		5.83	52.69	50			0.629	0.663	5.38	
N-Nitroso-di-n-propylamine	1	0	CP	5.76	53.37	50	0.05		1.158	1.236	6.74	
3&4-Methylphenol	1	0		5.77	53.24	50			1.495	1.592	6.48	
Naphthalene-d8	1	0	I	6.43	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.87	26.27	25			0.171	0.180	5.08	
Nitrobenzene	1	0		5.88	53.47	50			0.456	0.488	6.94	
Isophorone	1	0		6.08	52.03	50			0.820	0.854	4.06	
2-Nitrophenol	1	0	CC	6.14	53.06	50	20		0.187	0.199	6.12	
2,4-Dimethylphenol	1	0		6.18	53.48	50			0.377	0.404	6.96	
Benzoic Acid	1	0		6.27	59.89	50			0.226	0.269	19.78	
bis(2-Chloroethoxy)methane	1	0		6.25	52.80	50			0.471	0.497	5.60	
2,4-Dichlorophenol	1	0	CC	6.33	53.71	50	20		0.266	0.285	7.42	
1,2,4-Trichlorobenzene	1	0		6.39	52.92	50			0.294	0.312	5.84	
Naphthalene	1	0		6.45	51.51	50			1.084	1.117	3.02	
4-Chloroaniline	1	0		6.49	49.55	50			0.348	0.420	0.90	
Hexachlorobutadiene	1	0	CC	6.54	51.83	50	20		0.126	0.130	3.66	
Caprolactam	1	0		6.76	47.67	50			0.125	0.119	4.66	
4-Chloro-3-methylphenol	1	0	CC	6.86	52.14	50	20		0.342	0.357	4.28	
2-Methylnaphthalene	1	0		6.97	51.91	50			0.649	0.674	3.82	
Methylnaphthalenes	1	0		6.97	51.91	50	20			0.674	3.82	
1,1'-Biphenyl	1	0		7.33	53.24	50			0.837	0.892	6.48	
Acenaphthene-d10	1	0	I	7.81	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.10	49.79	50			0.484	0.482	0.42	
Hexachlorocyclopentadiene	1	0	CP	7.09	50.56	50	0.05		0.190	0.220	1.12	
2,4,6-Trichlorophenol	1	0	CC	7.19	56.72	50	20		0.307	0.348	13.44	
2,4,5-Trichlorophenol	1	0		7.22	53.40	50			0.345	0.369	6.80	
2-Fluorobiphenyl	1	0	S	7.25	25.77	25			1.263	1.302	3.08	
2-Chloronaphthalene	1	0		7.35	52.41	50			1.112	1.166	4.82	
1,4-Dimethylnaphthalene	1	0		7.62	59.55	50			0.870	1.036	19.10	
Dimethylnaphthalenes	1	0		7.62	59.55	50	20			1.036	19.10	
Diphenyl Ether	1	0		7.41	49.75	50			0.836	0.832	0.50	
2-Nitroaniline	1	0		7.42	52.87	50			0.599	0.633	5.74	
Coumarin	1	0		7.60	55.88				0.476			
Acenaphthylene	1	0		7.68	53.71	50			1.875	2.014	7.42	
Dimethylphthalate	1	0		7.57	52.42	50			1.274	1.335	4.84	
2,6-Dinitrotoluene	1	0		7.63	53.47	50			0.279	0.298	6.94	
Acenaphthene	1	0	CC	7.83	52.85	50	20		1.163	1.229	5.70	
3-Nitroaniline	1	0		7.76	57.92	50			0.322	0.373	15.84	
2,4-Dinitrophenol	1	0	CP	7.86	61.41	50	0.05		0.131	0.158	22.82	
Dibenzofuran	1	0		7.98	52.43	50			1.576	1.653	4.86	
2,4-Dinitrotoluene	1	0		7.97	54.63	50			0.368	0.402	9.26	
4-Nitrophenol	1	0	CP	7.91	54.16	50	0.05		0.330	0.358	8.32	
2,3,4,6-Tetrachlorophenol	1	0		8.09	51.51	50			0.237	0.259	3.02	
Fluorene	1	0		8.29	53.17	50			1.216	1.293	6.34	
4-Chlorophenyl-phenylether	1	0		8.29	52.09	50			0.493	0.513	4.18	
Diethylphthalate	1	0		8.19	52.29	50			1.328	1.389	4.58	
4-Nitroaniline	1	0		8.31	55.38	50			0.377	0.418	10.76	
Atrazine	1	0		8.93	50.28	50			0.331	0.333	0.56	
Phenanthrene-d10	1	0	I	9.22	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.34	54.99	50			0.103	0.125	9.98	
n-Nitrosodiphenylamine	1	0	CC	8.40	54.63	50	20		0.633	0.691	9.26	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64933.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/1/2011 9:38:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.52	50.65	50			0.054	0.059	1.30	
1,2-Diphenylhydrazine	1	0		8.44	54.53	50			1.096	1.196	9.06	
4-Bromophenyl-phenylether	1	0		8.76	53.11	50			0.149	0.159	6.22	
Hexachlorobenzene	1	0		8.82	52.44	50			0.144	0.151	4.88	
N-Octadecane	1	0		9.12	56.84	50			0.715	0.813	13.68	
Pentachlorophenol	1	0	CC	9.02	57.69	50	20		0.076	0.088	15.38	
Phenanthrene	1	0		9.24	53.32	50			1.075	1.146	6.64	
Anthracene	1	0		9.30	54.93	50			1.087	1.195	9.86	
Carbazole	1	0		9.47	54.22	50			1.061	1.151	8.44	
Di-n-butylphthalate	1	0		9.86	54.39	50			1.335	1.452	8.78	
Fluoranthene	1	0	CC	10.55	54.31	50	20		1.063	1.155	8.62	
Chrysene-d12	1	0	I	12.24	40.00	40				0.000	0.00	
Pyrene	1	0		10.81	52.15	50			1.427	1.488	4.30	
Benzidine	1	0		10.72	60.26	50			0.477	0.759	20.52	
Terphenyl-d14	1	0	S	11.01	25.31	25			0.791	0.801	1.24	
4,4'-DDE	1	0		10.95	49.26				0.237			
4,4'-DDD	1	0		11.34	52.62				0.462			
Butylbenzylphthalate	1	0		11.61	52.25	50			0.752	0.786	4.50	
4,4'-DDT	1	0		11.70	50.90				0.371			
3,3'-Dichlorobenzidine	1	0		12.21	53.71	50			0.285	0.342	7.42	
Benzo[a]anthracene	1	0		12.23	52.53	50			1.137	1.194	5.06	
Chrysene	1	0		12.27	51.10	50			1.122	1.147	2.20	
bis(2-Ethylhexyl)phthalate	1	0		12.32	52.92	50			1.045	1.107	5.84	
Perylene-d12	1	0	I	13.83	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.07	47.29	50	20		1.993	2.076	5.42	
Benzo[b]fluoranthene	1	0		13.44	52.26	50			1.161	1.213	4.52	
Benzo[k]fluoranthene	1	0		13.46	51.48	50			1.152	1.186	2.96	
Benzo[a]pyrene	1	0	CC	13.77	52.76	50	20		1.095	1.155	5.52	
Indeno[1,2,3-cd]pyrene	1	0		14.96	52.80	50			0.996	1.052	5.60	
Dibenzo[a,h]anthracene	1	0		14.98	52.78	50			0.826	0.872	5.56	
Benzo[g,h,i]perylene	1	0		15.28	52.51	50			0.846	0.888	5.02	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64933.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 09:54
Acq On : 03/ 1/11 09:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	87123	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	335391	40.00	ng	-0.04
47) Acenaphthene-d10	7.807	164	177237	40.00	ng	-0.04
74) Phenanthrene-d10	9.218	188	294085	40.00	ng	-0.06
88) Chrysene-d12	12.241	240	237819	40.00	ng	-0.06
100) Perylene-d12	13.833	264	204875	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	151609	53.16	ng	-0.06
Spiked Amount 100.000			Recovery = 53.16%			
15) Phenol-d5	5.115	99	212825	52.87	ng	-0.05
Spiked Amount 100.000			Recovery = 52.87%			
30) Nitrobenzene-d5	5.868	128	37724	26.27	ng	-0.04
Spiked Amount 50.000			Recovery = 52.54%			
52) 2-Fluorobiphenyl	7.246	172	144198	25.77	ng	-0.04
Spiked Amount 50.000			Recovery = 51.54%			
77) 2,4,6-Tribromophenol	8.518	330	21663	50.65	ng	-0.06
Spiked Amount 100.000			Recovery = 50.65%			
91) Terphenyl-d14	11.013	244	118998	25.31	ng	-0.06
Spiked Amount 50.000			Recovery = 50.62%			
Target Compounds						Qvalue
8) Pyridine	2.401	79	208634	52.53	ng	87
9) N-Nitrosodimethylamine	2.348	74	122669	51.70	ng	87
11) Benzaldehyde	5.019	77	102170	43.86	ng	85
12) Aniline	5.120	93	239470	53.58	ng	82
13) Pentachloroethane	5.158	117	55665	52.83	ng	94
14) bis(2-Chloroethyl)ether	5.190	93	166887	50.54	ng	91
16) Phenol	5.126	94	232967	49.88	ng	79
17) 2-Chlorophenol	5.227	128	155921	50.22	ng	94
18) N-Decane	5.286	57	231904	52.78	ng	94
19) 1,3-Dichlorobenzene	5.355	146	165515	51.83	ng	98
20) 1,4-Dichlorobenzene	5.425	146	172138	52.20	ng	95
21) 1,2-Dichlorobenzene	5.548	146	161034	52.65	ng	98
22) Benzyl alcohol	5.537	108	114729	54.71	ng	78
23) bis(2-chloroisopropyl)...	5.649	45	304895	54.16	ng	98
24) 2-Methylphenol	5.638	108	160341	54.32	ng	96
25) Acetophenone	5.751	105	233914	48.83	ng	68
26) Hexachloroethane	5.825	117	72208	52.69	ng	91
27) N-Nitroso-di-n-propyla...	5.756	70	134606	53.37	ng	82
28) 3&4-Methylphenol	5.767	108	173413	53.24	ng	99
31) Nitrobenzene	5.884	77	204670	53.47	ng	91
32) Isophorone	6.076	82	357883	52.03	ng	98
33) 2-Nitrophenol	6.135	139	83233	53.06	ng	84
34) 2,4-Dimethylphenol	6.178	107	169197	53.48	ng	95
35) Benzoic Acid	6.269	105	112758m	59.89	ng	
36) bis(2-Chloroethoxy)met...	6.247	93	208491	52.80	ng	99
37) 2,4-Dichlorophenol	6.328	162	119664	53.71	ng	94
38) 1,2,4-Trichlorobenzene	6.386	180	130633	52.92	ng	99
39) Naphthalene	6.445	128	468255	51.51	ng	100
40) 4-Chloroaniline	6.488	127	176078	49.55	ng	100
41) Hexachlorobutadiene	6.541	225	54594	51.83	ng	96
42) Caprolactam	6.760	113	49818	47.67	ng	68
43) 4-Chloro-3-methylphenol	6.856	107	149682	52.14	ng	94
44) 2-Methylnaphthalene	6.969	142	282698	51.91	ng	99
45) Methylnaphthalenes (To...	6.969	142	282698	51.91	ng	99
46) 1,1'-Biphenyl	7.327	154	373842	53.24	ng	98
48) 1,2,4,5-Tetrachloroben...	7.097	216	106793	49.79	ng	98
49) Hexachlorocyclopentadiene	7.086	237	48686	50.56	ng	92
50) 2,4,6-Trichlorophenol	7.188	196	77179	56.72	ng	98
51) 2,4,5-Trichlorophenol	7.220	196	81745	53.40	ng	99
53) 2-Chloronaphthalene	7.348	162	258268	52.41	ng	95
54) 1,4-Dimethylnaphthalene	7.615	156	229442	59.55	ng	98
55) Dimethylnaphthalenes (...	7.615	156	229442	59.55	ng	98
56) Diphenyl Ether	7.412	170	184253	49.75	ng	88
57) 2-Nitroaniline	7.423	65	140297	52.87	ng	89
58) Coumarin	7.599	146	117876	55.88	ng	86
59) Acenaphthylene	7.684	152	446236	53.71	ng	100
60) Dimethylphthalate	7.572	163	295817	52.42	ng	100
61) 2,6-Dinitrotoluene	7.626	165	66009	53.47	ng	77
62) Acenaphthene	7.834	153	272212	52.85	ng	97
63) 3-Nitroaniline	7.765	138	82744	57.92	ng	38
64) 2,4-Dinitrophenol	7.855	184	35047	61.41	ng	72
65) Dibenzofuran	7.984	168	366228	52.43	ng	92

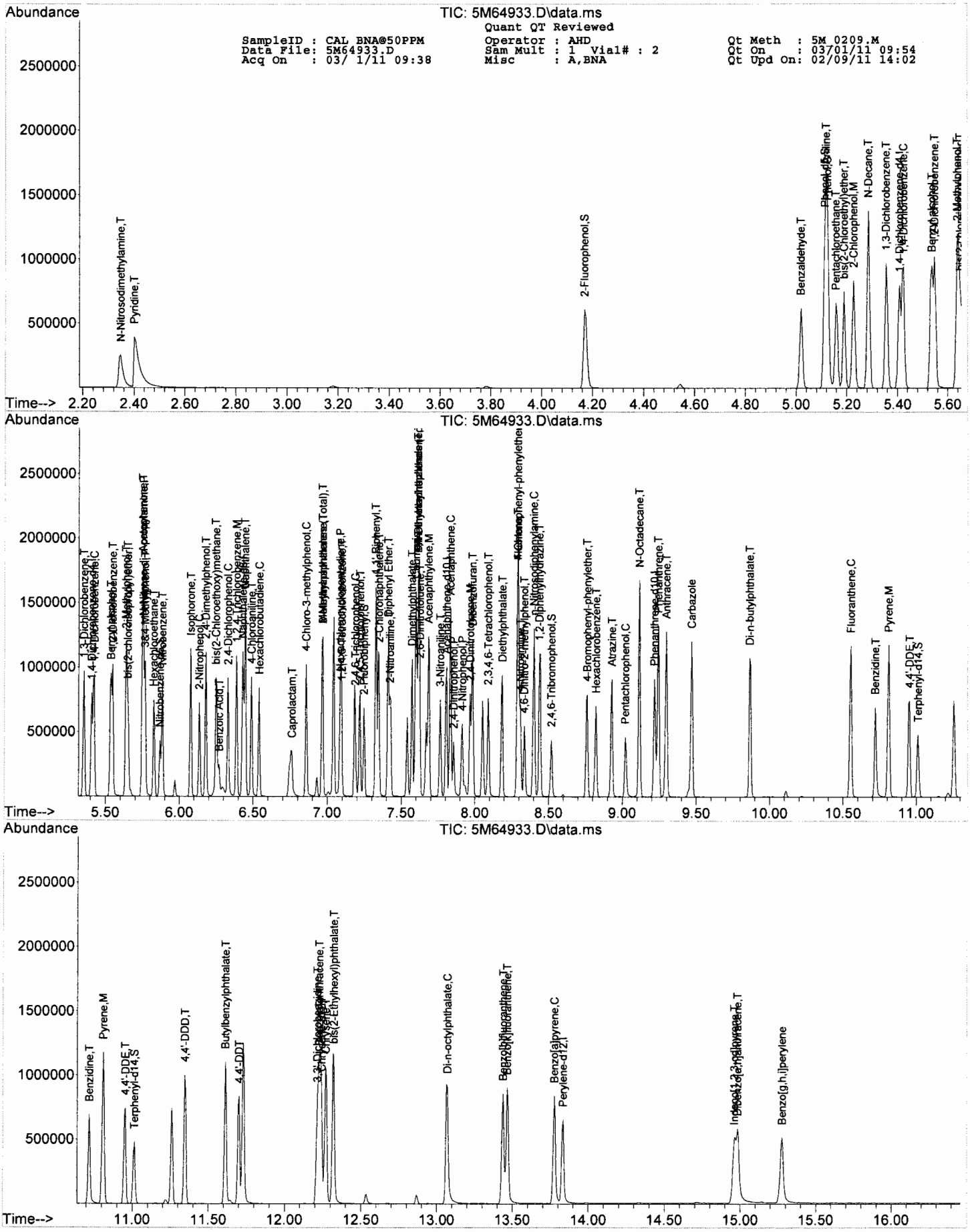
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64933.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 09:54
Acq On : 03/ 1/11 09:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	7.968	165	89067	54.63	ng	93
67)	4-Nitrophenol	7.914	65	79250	54.16	ng	91
68)	2,3,4,6-Tetrachlorophenol	8.090	232	57297	51.51	ng	97
69)	Fluorene	8.293	166	286514	53.17	ng	99
70)	4-Chlorophenyl-phenyle...	8.293	204	113697	52.09	ng	97
71)	Diethylphthalate	8.187	149	307768	52.29	ng	99
72)	4-Nitroaniline	8.310	138	92551	55.38	ng	92
73)	Atrazine	8.929	200	73725	50.28	ng	100
75)	4,6-Dinitro-2-methylph...	8.336	198	45937	54.99	ng	20
76)	n-Nitrosodiphenylamine	8.400	169	254162	54.63	ng	99
78)	1,2-Diphenylhydrazine	8.438	77	439490	54.53	ng	97
79)	4-Bromophenyl-phenylether	8.764	248	58324	53.11	ng	97
80)	Hexachlorobenzene	8.822	284	55334	52.44	ng	95
81)	N-Octadecane	9.116	57	298774	56.84	ng	94
82)	Pentachlorophenol	9.020	266	32489	57.69	ng	97
83)	Phenanthrene	9.244	178	421302	53.32	ng	99
84)	Anthracene	9.298	178	439123	54.93	ng	100
85)	Carbazole	9.469	167	423013	54.22	ng	99
86)	Di-n-butylphthalate	9.864	149	533917	54.39	ng	99
87)	Fluoranthene	10.553	202	424490	54.31	ng	95
89)	Pyrene	10.810	202	442435	52.15	ng	95
90)	Benzidine	10.719	184	225703	60.26	ng	97
92)	4,4'-DDE	10.954	246	69273	49.26	ng	90
93)	4,4'-DDD	11.344	235	144440	52.62	ng	81
94)	Butylbenzylphthalate	11.611	149	233762	52.25	ng	89
95)	4,4'-DDT	11.702	235	120791	50.90	ng	81
96)	3,3'-Dichlorobenzidine	12.215	252	101572	53.71	ng	97
97)	Benzo[a]anthracene	12.225	228	355053	52.53	ng	99
98)	Chrysene	12.268	228	340844	51.10	ng	100
99)	bis(2-Ethylhexyl)phtha...	12.322	149	328940	52.92	ng	99
101)	Di-n-octylphthalate	13.069	149	531538	47.29	ng	99
102)	Benzo[b]fluoranthene	13.438	252	310660	52.26	ng	96
103)	Benzo[k]fluoranthene	13.465	252	303649	51.48	ng	95
104)	Benzo[a]pyrene	13.775	252	295819	52.76	ng	95
105)	Indeno[1,2,3-cd]pyrene	14.961	276	269483	52.80	ng	76
106)	Dibenzo[a,h]anthracene	14.982	278	223411	52.78	ng	87
107)	Benzo[g,h,i]perylene	15.276	276	227405	52.51	ng	80

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


Abundance
TIC: 5M64933.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64933.D
Acq On : 03/ 1/11 09:38
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M 0209.M
Qt On : 03/01/11 09:54
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64933.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Benzoic Acid,T
Hexachlorobutadiene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64933.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32514.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/1/2011 9:41:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.50	40.00	40				0.000	0.00	
Pyridine	1	0		2.57	51.01	50			1.592	1.624	2.02	
N-Nitrosodimethylamine	1	0		2.51	49.92	50			0.968	0.966	0.16	
2-Fluorophenol	1	0	S	4.27	51.29	50			1.315	1.348	2.58	
Benzaldehyde	1	0		5.12	39.58	50			0.849	0.838	20.84	
Aniline	1	0		5.22	50.69	50			2.099	2.306	1.38	
Pentachloroethane	1	0		5.26	49.46	50			0.440	0.435	1.08	
bis(2-Chloroethyl)ether	1	0		5.29	49.00	50			1.517	1.486	2.00	
Phenol-d5	1	0	S	5.20	50.63	50			1.872	1.895	1.26	
Phenol	1	0	CC	5.22	50.89	50	20		2.062	2.098	1.78	
2-Chlorophenol	1	0		5.32	50.44	50			1.480	1.493	0.88	
N-Decane	1	0		5.38	49.45	50			1.681	1.663	1.10	
1,3-Dichlorobenzene	1	0		5.45	49.83	50			1.528	1.522	0.34	
1,4-Dichlorobenzene	1	0	CC	5.52	49.20	50	20		1.561	1.536	1.60	
1,2-Dichlorobenzene	1	0		5.64	49.44	50			1.457	1.441	1.12	
Benzyl alcohol	1	0		5.63	51.30	50			0.996	1.022	2.60	
bis(2-chloroisopropyl)ether	1	0		5.74	49.98	50			2.249	2.248	0.04	
2-Methylphenol	1	0		5.73	51.10	50			1.366	1.396	2.20	
Acetophenone	1	0		5.84	49.74	50			2.049	2.039	0.52	
Hexachloroethane	1	0		5.92	49.39	50			0.582	0.575	1.22	
N-Nitroso-di-n-propylamine	1	0	CP	5.85	50.47	50	0.05		1.134	1.144	0.94	
3&4-Methylphenol	1	0		5.85	51.43	50			1.408	1.448	2.86	
Naphthalene-d8	1	0	I	6.52	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.96	26.02	25			0.168	0.174	4.08	
Nitrobenzene	1	0		5.98	50.27	50			0.382	0.384	0.54	
Isophorone	1	0		6.17	49.73	50			0.740	0.736	0.54	
2-Nitrophenol	1	0	CC	6.23	53.19	50	20		0.174	0.185	6.38	
2,4-Dimethylphenol	1	0		6.27	50.79	50			0.360	0.365	1.58	
Benzoic Acid	1	0		6.37	50.84	50			0.229	0.225	1.68	
bis(2-Chloroethoxy)methane	1	0		6.34	50.41	50			0.443	0.447	0.82	
2,4-Dichlorophenol	1	0	CC	6.42	52.29	50	20		0.265	0.277	4.58	
1,2,4-Trichlorobenzene	1	0		6.48	49.95	50			0.287	0.286	0.10	
Naphthalene	1	0		6.54	48.19	50			1.125	1.085	3.62	
4-Chloroaniline	1	0		6.58	54.42	50			0.336	0.428	8.84	
Hexachlorobutadiene	1	0	CC	6.63	50.07	50	20		0.128	0.128	0.14	
Caprolactam	1	0		6.86	55.81	50			0.127	0.141	11.62	
4-Chloro-3-methylphenol	1	0	CC	6.94	52.06	50	20		0.321	0.335	4.12	
2-Methylnaphthalene	1	0		7.06	50.97	50			0.690	0.704	1.94	
Methylnaphthalenes	1	0		7.06	50.97	50	20			0.704	1.94	
1,1'-Biphenyl	1	0		7.42	50.84	50			0.911	0.926	1.68	
Acenaphthene-d10	1	0	I	7.91	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.19	50.84	50			0.448	0.456	1.68	
Hexachlorocyclopentadiene	1	0	CP	7.18	49.83	50	0.05		0.191	0.202	0.34	
2,4,6-Trichlorophenol	1	0	CC	7.28	51.57	50	20		0.302	0.311	3.14	
2,4,5-Trichlorophenol	1	0		7.31	53.17	50			0.319	0.339	6.34	
2-Fluorobiphenyl	1	0	S	7.34	25.02	25			1.281	1.282	0.08	
2-Chloronaphthalene	1	0		7.44	50.43	50			1.121	1.130	0.86	
1,4-Dimethylnaphthalene	1	0		7.71	51.30	50			0.875	0.898	2.60	
Dimethylnaphthalenes	1	0		7.71	51.30	50	20			0.898	2.60	
Diphenyl Ether	1	0		7.51	49.79	50			0.852	0.849	0.42	
2-Nitroaniline	1	0		7.52	52.51	50			0.444	0.466	5.02	
Coumarin	1	0		7.70	51.33				0.514			
Acenaphthylene	1	0		7.78	51.10	50			1.890	1.932	2.20	
Dimethylphthalate	1	0		7.67	50.64	50			1.299	1.315	1.28	
2,6-Dinitrotoluene	1	0		7.72	53.68	50			0.271	0.291	7.36	
Acenaphthene	1	0	CC	7.93	49.78	50	20		1.215	1.210	0.44	
3-Nitroaniline	1	0		7.86	59.01	50			0.302	0.356	18.02	
2,4-Dinitrophenol	1	0	CP	7.95	57.17	50	0.05		0.114	0.127	14.34	
Dibenzofuran	1	0		8.08	49.48	50			1.648	1.630	1.04	
2,4-Dinitrotoluene	1	0		8.07	50.52	50			0.358	0.396	1.04	
4-Nitrophenol	1	0	CP	8.00	46.91	50	0.05		0.259	0.277	6.18	
2,3,4,6-Tetrachlorophenol	1	0		8.19	54.00	50			0.231	0.250	8.00	
Fluorene	1	0		8.39	51.22	50			1.341	1.374	2.44	
4-Chlorophenyl-phenylether	1	0		8.39	51.16	50			0.545	0.558	2.32	
Diethylphthalate	1	0		8.28	51.05	50			1.323	1.351	2.10	
4-Nitroaniline	1	0		8.41	53.99	50			0.370	0.400	7.98	
Atrazine	1	0		9.03	52.72	50			0.337	0.356	5.44	
Phenanthrene-d10	1	0	I	9.32	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.44	54.50	50			0.093	0.111	9.00	
n-Nitrosodiphenylamine	1	0	CC	8.50	50.64	50	20		0.708	0.718	1.28	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32514.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/1/2011 9:41:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.62	53.59	50			0.049	0.053	7.18	
1,2-Diphenylhydrazine	1	0		8.54	49.88	50			0.927	0.925	0.24	
4-Bromophenyl-phenylether	1	0		8.86	50.50	50			0.157	0.158	1.00	
Hexachlorobenzene	1	0		8.92	50.87	50			0.140	0.142	1.74	
N-Octadecane	1	0		9.21	51.73	50			0.644	0.666	3.46	
Pentachlorophenol	1	0	CC	9.13	53.65	50	20		0.089	0.096	7.30	
Phenanthrene	1	0		9.35	49.77	50			1.115	1.110	0.46	
Anthracene	1	0		9.40	50.58	50			1.129	1.142	1.16	
Carbazole	1	0		9.57	51.35	50			1.137	1.168	2.70	
Di-n-butylphthalate	1	0		9.97	52.90	50			1.348	1.426	5.80	
Fluoranthene	1	0	CC	10.66	52.29	50	20		1.118	1.169	4.58	
Chrysene-d12	1	0	I	12.35	40.00	40				0.000	0.00	
Pyrene	1	0		10.92	50.10	50			1.417	1.420	0.20	
Benzidine	1	0		10.82	50.85	50			0.431	0.646	1.70	
Terphenyl-d14	1	0	S	11.12	25.15	25			0.809	0.813	0.60	
p,p'-DDE	1	0		11.05	49.30				0.230			
p,p'-DDD	1	0		11.45	50.24				0.457			
Butylbenzylphthalate	1	0		11.71	51.84	50			0.737	0.764	3.68	
p,p'-DDT	1	0		11.80	43.75				0.335			
3,3'-Dichlorobenzidine	1	0		12.32	52.42	50			0.296	0.371	4.84	
Benzo[a]anthracene	1	0		12.34	50.12	50			1.171	1.174	0.24	
Chrysene	1	0		12.38	49.48	50			1.123	1.111	1.04	
bis(2-Ethylhexyl)phthalate	1	0		12.42	52.18	50			0.977	1.019	4.36	
Perylene-d12	1	0	I	13.94	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.16	46.21	50	20		1.967	2.035	7.58	
Benzo[b]fluoranthene	1	0		13.54	50.42	50			1.205	1.215	0.84	
Benzo[k]fluoranthene	1	0		13.58	49.68	50			1.187	1.180	0.64	
Benzo[a]pyrene	1	0	CC	13.89	50.28	50	20		1.121	1.127	0.56	
Indeno[1,2,3-cd]pyrene	1	0		15.10	50.70	50			1.110	1.126	1.40	
Dibenzo[a,h]anthracene	1	0		15.12	50.83	50			0.870	0.884	1.66	
Benzo[g,h,i]perylene	1	0		15.43	51.12	50			0.923	0.943	2.24	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.690	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.875	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32514.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 10:00
Acq On : 03/ 1/11 09:41 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.505	152	87868	40.00	ng	0.00
29) Naphthalene-d8	6.521	136	348355	40.00	ng	-0.01
47) Acenaphthene-d10	7.906	164	188831	40.00	ng	-0.01
74) Phenanthrene-d10	9.324	188	310460	40.00	ng	-0.01
88) Chrysene-d12	12.351	240	259316	40.00	ng	0.00
100) Perylene-d12	13.940	264	223079	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	148108	51.29	ng	0.00
Spiked Amount 100.000			Recovery = 51.29%			
15) Phenol-d5	5.200	99	208168	50.63	ng	0.00
Spiked Amount 100.000			Recovery = 50.63%			
30) Nitrobenzene-d5	5.965	128	37972	26.02	ng	0.00
Spiked Amount 50.000			Recovery = 52.04%			
52) 2-Fluorobiphenyl	7.339	172	151295	25.02	ng	-0.02
Spiked Amount 50.000			Recovery = 50.04%			
77) 2,4,6-Tribromophenol	8.623	330	20458	53.59	ng	-0.01
Spiked Amount 100.000			Recovery = 53.59%			
91) Terphenyl-d14	11.116	244	131826	25.15	ng	-0.01
Spiked Amount 50.000			Recovery = 50.30%			
Target Compounds						Qvalue
8) Pyridine	2.568	79	178402	51.01	ng	81
9) N-Nitrosodimethylamine	2.510	74	106102	49.92	ng	75
11) Benzaldehyde	5.120	77	92029	39.58	ng	76
12) Aniline	5.221	93	253304	50.69	ng	40
13) Pentachloroethane	5.259	117	47769	49.46	ng	89
14) bis(2-Chloroethyl)ether	5.286	93	163258	49.00	ng	85
16) Phenol	5.216	94	230485	50.89	ng	76
17) 2-Chlorophenol	5.323	128	163994	50.44	ng	84
18) N-Decane	5.382	57	182635	49.45	ng	87
19) 1,3-Dichlorobenzene	5.451	146	167200	49.83	ng	98
20) 1,4-Dichlorobenzene	5.521	146	168697	49.20	ng	97
21) 1,2-Dichlorobenzene	5.644	146	158280	49.44	ng	98
22) Benzyl alcohol	5.628	108	112228	51.30	ng	73
23) bis(2-chloroisopropyl)...	5.740	45	246856	49.98	ng	95
24) 2-Methylphenol	5.729	108	153304	51.10	ng	99
25) Acetophenone	5.842	105	223916	49.74	ng	65
26) Hexachloroethane	5.922	117	63168	49.39	ng	97
27) N-Nitroso-di-n-propyla...	5.847	70	125668	50.47	ng	73
28) 3&4-Methylphenol	5.853	108	159036	51.43	ng	94
31) Nitrobenzene	5.976	77	167380	50.27	ng	82
32) Isophorone	6.168	82	320473	49.73	ng	88
33) 2-Nitrophenol	6.227	139	80618	53.19	ng	89
34) 2,4-Dimethylphenol	6.270	107	159106	50.79	ng	91
35) Benzoic Acid	6.371	105	98169	50.84	ng	87
36) bis(2-Chloroethoxy)met...	6.339	93	194545	50.41	ng	95
37) 2,4-Dichlorophenol	6.419	162	120588	52.29	ng	88
38) 1,2,4-Trichlorobenzene	6.478	180	124656	49.95	ng	99
39) Naphthalene	6.537	128	472248	48.19	ng	99
40) 4-Chloroaniline	6.580	127	186549	54.42	ng	99
41) Hexachlorobutadiene	6.628	225	55713	50.07	ng	97
42) Caprolactam	6.858	113	61530	55.81	ng	71
43) 4-Chloro-3-methylphenol	6.944	107	145706	52.06	ng	88
44) 2-Methylnaphthalene	7.056	142	306511	50.97	ng	100
45) Methylnaphthalenes (To...	7.056	142	306511	50.97	ng	100
46) 1,1'-Biphenyl	7.420	154	403369	50.84	ng	97
48) 1,2,4,5-Tetrachloroben...	7.190	216	107564	50.84	ng	96
49) Hexachlorocyclopentadiene	7.179	237	47651	49.83	ng	99
50) 2,4,6-Trichlorophenol	7.275	196	73402	51.57	ng	98
51) 2,4,5-Trichlorophenol	7.307	196	80017	53.17	ng	98
53) 2-Chloronaphthalene	7.441	162	266826	50.43	ng	96
54) 1,4-Dimethylnaphthalene	7.714	156	211990	51.30	ng	91
55) Dimethylnaphthalenes (...	7.714	156	211990	51.30	ng	91
56) Diphenyl Ether	7.505	170	200364	49.79	ng	83
57) 2-Nitroaniline	7.521	65	110017	52.51	ng	64
58) Coumarin	7.698	146	124522	51.33	ng	76
59) Acenaphthylene	7.783	152	455995	51.10	ng	99
60) Dimethylphthalate	7.671	163	310431	50.64	ng	98
61) 2,6-Dinitrotoluene	7.719	165	68794	53.68	ng	66
62) Acenaphthene	7.933	153	285508	49.78	ng	95
63) 3-Nitroaniline	7.864	138	84142	59.01	ng	68
64) 2,4-Dinitrophenol	7.955	184	29878	57.17	ng	82
65) Dibenzofuran	8.083	168	384837	49.48	ng	89

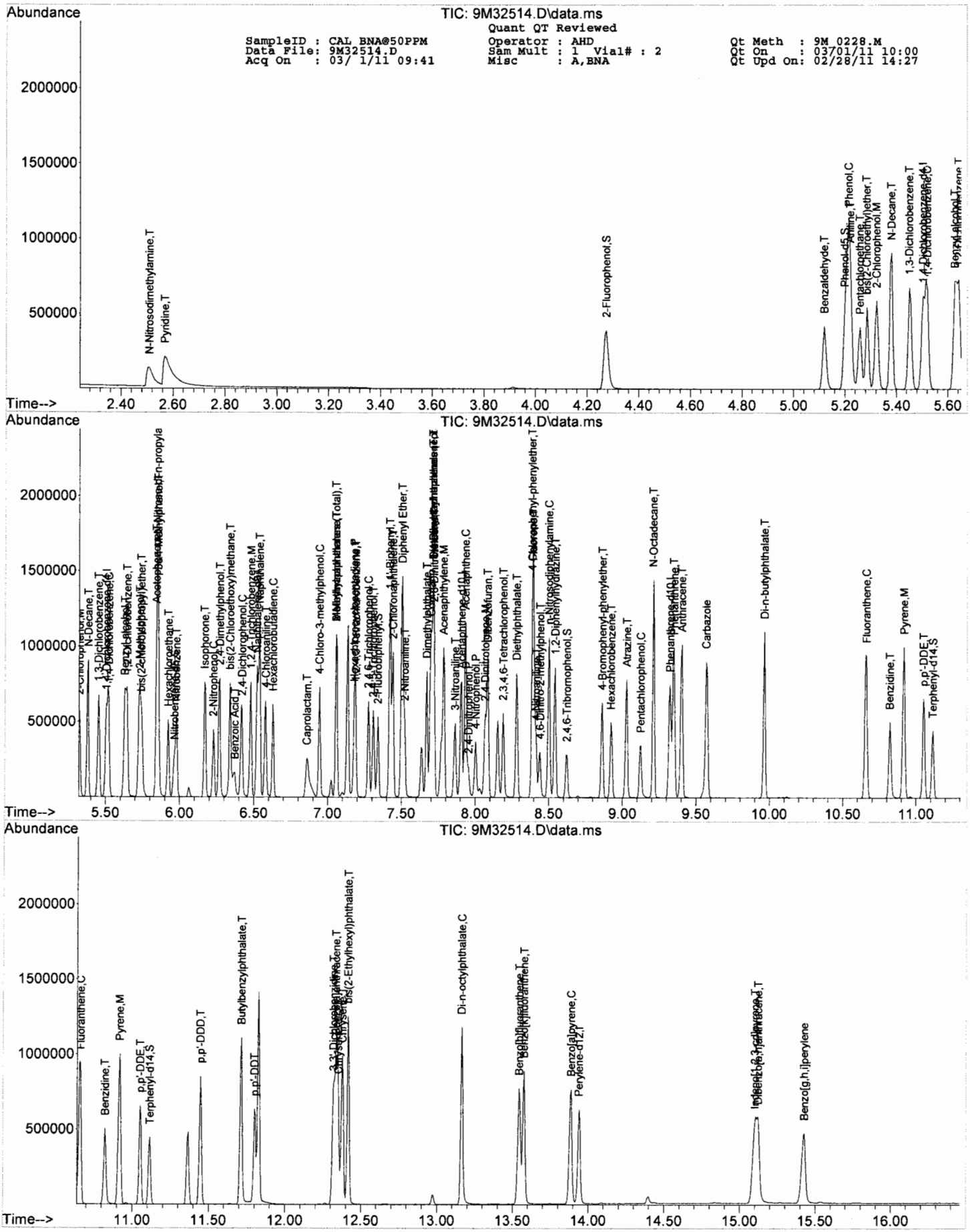
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32514.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 10:00
Acq On : 03/ 1/11 09:41 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	93379	50.52	ng	68
67)	4-Nitrophenol	8.003	65	65425	46.91	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.190	232	58993	54.00	ng	95
69)	Fluorene	8.393	166	324334	51.22	ng	98
70)	4-Chlorophenyl-phenyle...	8.388	204	131628	51.16	ng	97
71)	Diethylphthalate	8.281	149	318867	51.05	ng	97
72)	4-Nitroaniline	8.415	138	94310	53.99	ng	73
73)	Atrazine	9.030	200	83936	52.72	ng	96
75)	4,6-Dinitro-2-methylph...	8.441	198	42949	54.50	ng	51
76)	n-Nitrosodiphenylamine	8.500	169	278457	50.64	ng	99
78)	1,2-Diphenylhydrazine	8.543	77	358990	49.88	ng	83
79)	4-Bromophenyl-phenylether	8.864	248	61422	50.50	ng	98
80)	Hexachlorobenzene	8.923	284	55221	50.87	ng	93
81)	N-Octadecane	9.211	57	258563	51.73	ng	87
82)	Pentachlorophenol	9.126	266	37125	53.65	ng	97
83)	Phenanthrene	9.351	178	430799	49.77	ng	99
84)	Anthracene	9.404	178	443124	50.58	ng	99
85)	Carbazole	9.570	167	453270	51.35	ng	98
86)	Di-n-butylphthalate	9.966	149	553456	52.90	ng	98
87)	Fluoranthene	10.661	202	453680	52.29	ng	99
89)	Pyrene	10.918	202	460151	50.10	ng	97
90)	Benzidine	10.821	184	209436	50.85	ng	93
92)	p,p'-DDE	11.051	246	73566	49.30	ng	90
93)	p,p'-DDD	11.447	235	148769	50.24	ng	86
94)	Butylbenzylphthalate	11.715	149	247577	51.84	ng	79
95)	p,p'-DDT	11.800	235	108153	43.75	ng	92
96)	3,3'-Dichlorobenzidine	12.319	252	120235	52.42	ng	98
97)	Benzo[a]anthracene	12.335	228	380537	50.12	ng	99
98)	Chrysene	12.378	228	360076	49.48	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.415	149	330453	52.18	ng	92
101)	Di-n-octylphthalate	13.164	149	567452	46.21	ng	100
102)	Benzo[b]fluoranthene	13.544	252	338841	50.42	ng	97
103)	Benzo[k]fluoranthene	13.576	252	328930	49.68	ng	99
104)	Benzo[a]pyrene	13.886	252	314346	50.28	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.100	276	313968	50.70	ng	88
106)	Dibenzo[a,h]anthracene	15.122	278	246541	50.83	ng	96
107)	Benzo[g,h,i]perylene	15.427	276	263012	51.12	ng	90

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


Abundance
TIC: 9M32514.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32514.D
Acq On : 03/ 1/11 09:41
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 03701/11 10:00
Qt Upd On: 02/28/11 14:27
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M32514.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Diphenyl Ether,T
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32514.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M65030.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/4/2011 10:17:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.40	40.00	40				0.000	0.00	
Pyridine	1	0		2.41	49.65	50			1.861	1.848	0.70	
N-Nitrosodimethylamine	1	0		2.34	47.66	50			1.105	1.053	4.68	
2-Fluorophenol	1	0	S	4.16	49.42	50			1.331	1.316	1.16	
Chloroacetamide	1	0		4.44	49.82				0.355			
Benzaldehyde	1	0		5.01	49.27	50			0.856	0.918	1.46	
Aniline	1	0		5.11	54.81	50			1.971	2.160	9.62	
Pentachloroethane	1	0		5.15	47.05	50			0.476	0.448	5.90	
bis(2-Chloroethyl)ether	1	0		5.18	46.84	50			1.534	1.437	6.32	
Phenol-d5	1	0	S	5.11	51.50	50			1.823	1.878	3.00	
Phenol	1	0	CC	5.12	52.41	50	20		2.057	2.157	4.82	
2-Chlorophenol	1	0		5.22	50.37	50			1.385	1.396	0.74	
N-Decane	1	0		5.28	47.06	50			1.848	1.739	5.88	
3-Chlorophenol	1	0		6.41	53.12				1.346			
1,3-Dichlorobenzene	1	0		5.35	48.35	50			1.483	1.434	3.30	
1,4-Dichlorobenzene	1	0	CC	5.42	50.04	50	20		1.507	1.508	0.08	
1,2-Dichlorobenzene	1	0		5.54	50.07	50			1.397	1.399	0.14	
Benzyl alcohol	1	0		5.53	53.02	50			0.947	1.004	6.04	
bis(2-chloroisopropyl)ether	1	0		5.64	48.79	50			2.625	2.561	2.42	
2-Methylphenol	1	0		5.63	53.08	50			1.336	1.418	6.16	
Acetophenone	1	0		5.75	51.24	50			2.106	2.158	2.48	
Hexachloroethane	1	0		5.82	48.50	50			0.631	0.612	3.00	
N-Nitroso-di-n-propylamine	1	0	CP	5.75	51.78	50	0.05		1.092	1.131	3.56	
3&4-Methylphenol	1	0		5.76	53.20	50			1.422	1.513	6.40	
Naphthalene-d8	1	0	I	6.42	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.86	27.11	25			0.171	0.185	8.44	
Nitrobenzene	1	0		5.88	50.13	50			0.459	0.460	0.26	
Isophorone	1	0		6.07	53.31	50			0.798	0.851	6.62	
2-Nitrophenol	1	0	CC	6.13	55.33	50	20		0.180	0.199	10.66	
2,4-Dimethylphenol	1	0		6.17	52.78	50			0.376	0.397	5.56	
Benzoic Acid	1	0		6.26	58.96	50			0.251	0.294	17.92	
bis(2-Chloroethoxy)methane	1	0		6.24	50.92	50			0.470	0.479	1.84	
2,4-Dichlorophenol	1	0	CC	6.32	53.91	50	20		0.264	0.284	7.82	
1,2,4-Trichlorobenzene	1	0		6.38	50.70	50			0.296	0.300	1.40	
Naphthalene	1	0		6.44	49.00	50			1.059	1.038	2.00	
3-Chloroaniline	1	0		6.47	59.82				0.422			
4-Chloroaniline	1	0		6.48	55.54	50			0.338	0.376	11.08	
Hexachlorobutadiene	1	0	CC	6.54	49.40	50	20		0.128	0.127	1.20	
Caprolactam	1	0		6.75	58.36	50			0.113	0.132	16.72	
4-Chloro-3-methylphenol	1	0	CC	6.85	56.06	50	20		0.316	0.355	12.12	
2-Methylnaphthalene	1	0		6.96	52.68	50			0.637	0.672	5.36	
Methylnaphthalenes	1	0		6.96	52.87	50	20			0.673	5.74	
2,4-Dichloroaniline	1	0		7.08	53.01				0.306			
1,1'-Biphenyl	1	0		7.32	51.97	50			0.852	0.886	3.94	
Acenaphthene-d10	1	0	I	7.80	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.09	49.03	50			0.488	0.478	1.94	
Hexachlorocyclopentadiene	1	0	CP	7.08	45.70	50	0.05		0.184	0.182	8.60	
2,4,6-Trichlorophenol	1	0	CC	7.18	54.16	50	20		0.306	0.331	8.32	
2,4,5-Trichlorophenol	1	0		7.21	54.22	50			0.333	0.361	8.44	
2-Fluorobiphenyl	1	0	S	7.24	24.49	25			1.287	1.261	2.04	
1,2,3,4-Tetrachlorobenzene	1	0		7.31	48.29				0.373			
2-Chloronaphthalene	1	0		7.34	50.33	50			1.105	1.112	0.66	
3,4-Dichlorophenol	1	0		7.41	53.92				0.491			
3,4-Dichloroaniline	1	0		7.52	55.56				0.453			
1,4-Dimethylnaphthalene	1	0		7.61	50.71	50			0.832	0.844	1.42	
Dimethylnaphthalenes	1	0		7.61	50.71	50	20			0.844	1.42	
Diphenyl Ether	1	0		7.41	49.26	50			0.819	0.807	1.48	
2-Nitroaniline	1	0		7.42	53.18	50			0.577	0.613	6.36	
Coumarin	1	0		7.59	54.09				0.501			
Acenaphthylene	1	0		7.68	51.31	50			1.867	1.916	2.62	
Dimethylphthalate	1	0		7.57	52.57	50			1.237	1.301	5.14	
2,6-Dinitrotoluene	1	0		7.62	53.70	50			0.269	0.289	7.40	
Acenaphthene	1	0	CC	7.83	50.09	50	20		1.153	1.155	0.18	
3-Nitroaniline	1	0		7.76	59.77	50			0.310	0.370	19.54	
2,4-Dinitrophenol	1	0	CP	7.85	58.61	50	0.05		0.131	0.159	17.22	
Pentachlorobenzene	1	0		7.94	51.41				0.339			
Dibenzofuran	1	0		7.98	49.59	50			1.572	1.559	0.82	
2,4,5-Trichloroaniline	1	0		8.03	54.34				0.416			
2,4-Dinitrotoluene	1	0		7.96	56.02	50			0.353	0.395	12.04	
4-Nitrophenol	1	0	CP	7.91	52.42	50	0.05		0.303	0.356	4.84	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M65030.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/4/2011 10:17:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,3,4,5-Tetrachlorophenol	1	0		8.07	56.47				0.249			
2,3,4,6-Tetrachlorophenol	1	0		8.09	47.45	50			0.215	0.219	5.10	
Fluorene	1	0		8.29	52.11	50			1.196	1.246	4.22	
4-Chlorophenyl-phenylether	1	0		8.28	50.43	50			0.488	0.492	0.86	
Diethylphthalate	1	0		8.18	50.80	50			1.295	1.315	1.60	
4-Nitroaniline	1	0		8.30	57.40	50			0.350	0.402	14.80	
2,3,5,6-Tetrachloroaniline	1	0		8.43	52.18				0.350			
Atrazine	1	0		8.92	57.67	50			0.309	0.356	15.34	
Phenanthrene-d10	1	0	I	9.21	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.34	52.07	50			0.108	0.121	4.14	
n-Nitrosodiphenylamine	1	0	CC	8.40	50.22	50	20		0.647	0.649	0.44	
2,4,6-Tribromophenol	1	0	S	8.51	53.40	50			0.054	0.057	6.80	
1,2-Diphenylhydrazine	1	0		8.43	49.29	50			1.178	1.161	1.42	
4-Bromophenyl-phenylether	1	0		8.76	51.88	50			0.143	0.148	3.76	
Hexachlorobenzene	1	0		8.82	49.53	50			0.142	0.141	0.94	
N-Octadecane	1	0		9.11	51.55	50			0.688	0.710	3.10	
Pentachloronitrobenzene	1	0		9.03	54.35				0.069			
Pentachlorophenol	1	0	CC	9.02	50.35	50	20		0.079	0.089	0.70	
Phenanthrene	1	0		9.24	49.00	50			1.077	1.056	2.00	
Anthracene	1	0		9.29	51.19	50			1.072	1.097	2.38	
Pentachloroaniline	1	0		9.49	50.32				0.152			
Carbazole	1	0		9.46	51.62	50			1.071	1.106	3.24	
Di-n-butylphthalate	1	0		9.86	54.99	50			1.253	1.378	9.98	
Parathion	1	0		10.06	54.20				0.037			
Fluoranthene	1	0	CC	10.55	52.16	50	20		1.036	1.081	4.32	
Chrysene-d12	1	0	I	12.24	40.00	40				0.000	0.00	
Pyrene	1	0		10.80	49.73	50			1.406	1.399	0.54	
Benzidine	1	0		10.71	64.04	50			0.340	0.574	28.08	
Terphenyl-d14	1	0	S	11.01	24.86	25			0.780	0.775	0.56	
4,4'-DDE	1	0		10.94	50.54				0.229			
4,4'-DDD	1	0		11.34	52.22				0.449			
Di-n-hexyl phthalate	1	0		11.54	51.19				1.616			
Butylbenzylphthalate	1	0		11.61	53.00	50			0.720	0.806	6.00	
4,4'-DDT	1	0		11.70	49.55				0.394			
3,3'-Dichlorobenzidine	1	0		12.21	56.02	50			0.276	0.366	12.04	
Benzo[a]anthracene	1	0		12.23	49.15	50			1.115	1.096	1.70	
Chrysene	1	0		12.26	49.78	50			1.126	1.121	0.44	
bis(2-Ethylhexyl)phthalate	1	0		12.31	53.57	50			0.913	1.097	7.14	
Perylene-d12	1	0	I	13.83	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.06	59.69	50	20		1.625	2.129	19.38	
Benzo[b]fluoranthene	1	0		13.43	51.78	50			1.063	1.100	3.56	
Benzo[k]fluoranthene	1	0		13.43	48.39	50			1.137	1.100	3.22	
Benzo[a]pyrene	1	0	CC	13.77	52.84	50	20		1.055	1.115	5.68	
Indeno[1,2,3-cd]pyrene	1	0		14.96	52.85	50			0.980	1.036	5.70	
Dibenzo[a,h]anthracene	1	0		14.98	54.22	50			0.801	0.869	8.44	
Benzo[g,h,i]perylene	1	0		15.28	52.26	50			0.849	0.888	4.52	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.637	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.832	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65030.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:33
Acq On : 03/ 4/11 10:17 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	77279	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	289878	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	157346	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	271742	40.00	ng	0.00
102) Chrysene-d12	12.236	240	221464	40.00	ng	0.00
115) Perylene-d12	13.828	264	198402	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	127121	49.42	ng	0.00
Spiked Amount 100.000			Recovery = 49.42%			
16) Phenol-d5	5.110	99	181413	51.50	ng	0.00
Spiked Amount 100.000			Recovery = 51.50%			
32) Nitrobenzene-d5	5.863	128	33507	27.11	ng	0.00
Spiked Amount 50.000			Recovery = 54.22%			
56) 2-Fluorobiphenyl	7.241	172	123984	24.49	ng	0.00
Spiked Amount 50.000			Recovery = 48.98%			
88) 2,4,6-Tribromophenol	8.513	330	19426	53.40	ng	0.00
Spiked Amount 100.000			Recovery = 53.40%			
105) Terphenyl-d14	11.007	244	107302	24.86	ng	0.00
Spiked Amount 50.000			Recovery = 49.72%			
Target Compounds						Qvalue
8) Pyridine	2.406	79	178478	49.65	ng	83
9) N-Nitrosodimethylamine	2.342	74	101731	47.66	ng	87
11) Chloroacetamide	4.436	93	34157	49.82	ng	38
12) Benzaldehyde	5.013	77	88666	49.27	ng	86
13) Aniline	5.115	93	208696	54.81	ng	78
14) Pentachloroethane	5.152	117	43277	47.05	ng	92
15) bis(2-Chloroethyl)ether	5.184	93	138782	46.84	ng	91
17) Phenol	5.120	94	208324	52.41	ng	78
18) 2-Chlorophenol	5.222	128	134820	50.37	ng	91
19) N-Decane	5.281	57	167993	47.06	ng	94
20) 3-Chlorophenol	6.413	128	138131	53.12	ng	89
21) 1,3-Dichlorobenzene	5.350	146	138503	48.35	ng	98
22) 1,4-Dichlorobenzene	5.419	146	145704	50.04	ng	97
23) 1,2-Dichlorobenzene	5.542	146	135173	50.07	ng	98
24) Benzyl alcohol	5.532	108	96989	53.02	ng	80
25) bis(2-chloroisopropyl)...	5.644	45	247382	48.79	ng	97
26) 2-Methylphenol	5.633	108	136991	53.08	ng	97
27) Acetophenone	5.745	105	208498	51.24	ng	67
28) Hexachloroethane	5.820	117	59131	48.50	ng	93
29) N-Nitroso-di-n-propyla...	5.751	70	109233	51.78	ng	81
30) 3&4-Methylphenol	5.761	108	146156	53.20	ng	100
33) Nitrobenzene	5.879	77	166826	50.13	ng	91
34) Isophorone	6.071	82	308223	53.31	ng	98
35) 2-Nitrophenol	6.130	139	72178	55.33	ng	85
36) 2,4-Dimethylphenol	6.173	107	143785	52.78	ng	97
37) Benzoic Acid	6.264	105	106624	58.96	ng	94
38) bis(2-Chloroethoxy)met...	6.242	93	173494	50.92	ng	98
39) 2,4-Dichlorophenol	6.322	162	103048	53.91	ng	93
40) 1,2,4-Trichlorobenzene	6.381	180	108827	50.70	ng	98
41) Naphthalene	6.440	128	376007	49.00	ng	99
42) 3-Chloroaniline	6.467	127	182876	59.82	ng	94
43) 4-Chloroaniline	6.483	127	136088	55.54	ng	84
44) Hexachlorobutadiene	6.536	225	45940	49.40	ng	95
45) Caprolactam	6.750	113	47973	58.36	ng	67
46) 4-Chloro-3-methylphenol	6.851	107	128557	56.06	ng	93
47) 2-Methylnaphthalene	6.963	142	243367	52.68	ng	98
48) Methylnaphthalenes (To...	6.963	142	243981	52.87	ng	98
49) 2,4-Dichloroaniline	7.081	161	117643	53.01	ng	93
50) 1,1'-Biphenyl	7.321	154	321050	51.97	ng	98
52) 1,2,4,5-Tetrachloroben...	7.092	216	94112	49.03	ng	98
53) Hexachlorocyclopentadiene	7.081	237	35886	45.70	ng	95
54) 2,4,6-Trichlorophenol	7.177	196	65099	54.16	ng	97
55) 2,4,5-Trichlorophenol	7.214	196	71041	54.22	ng	98
57) 1,2,3,4-Tetrachloroben...	7.311	214	70875	48.29	ng	53
58) 2-Chloronaphthalene	7.343	162	218768	50.33	ng	95
59) 3,4-Dichlorophenol	7.407	162	104060	53.92	ng	92
60) 3,4-Dichloroaniline	7.524	161	114242	55.56	ng	98
61) 1,4-Dimethylnaphthalene	7.610	156	165966	50.71	ng	97
62) Dimethylnaphthalenes (...	7.610	156	165966	50.71	ng	97
63) Diphenyl Ether	7.407	170	158627	49.26	ng	88
64) 2-Nitroaniline	7.417	65	120642	53.18	ng	89
65) Coumarin	7.594	146	106508	54.09	ng	78

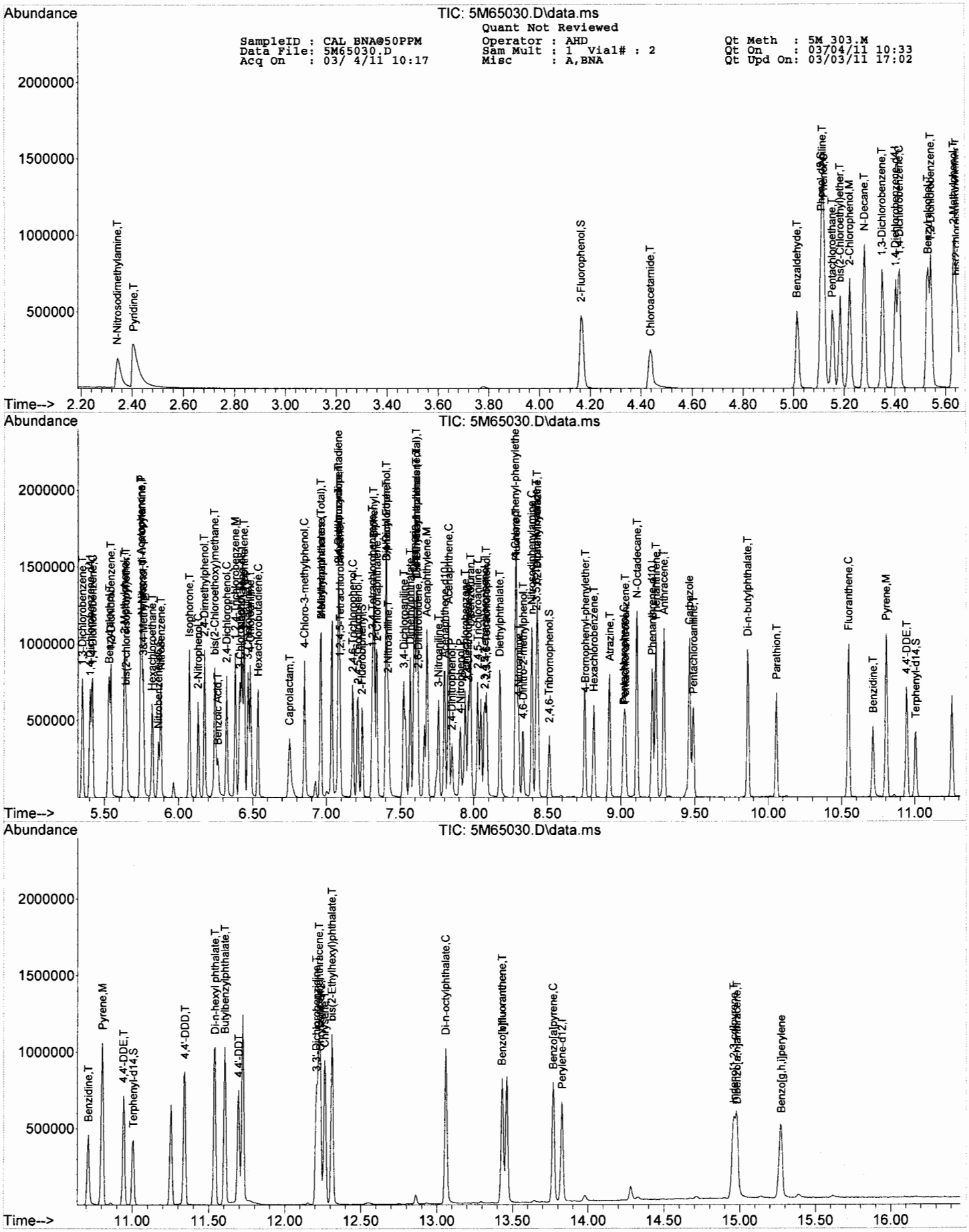
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65030.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:33
Acq On : 03/ 4/11 10:17 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.679	152	376907	51.31	ng	99
67)	Dimethylphthalate	7.567	163	255876	52.57	ng	99
68)	2,6-Dinitrotoluene	7.620	165	56904	53.70	ng	77
69)	Acenaphthene	7.829	153	227160	50.09	ng	98
70)	3-Nitroaniline	7.759	138	72796	59.77	ng	84
71)	2,4-Dinitrophenol	7.850	184	31229	58.61	ng	66
72)	Pentachlorobenzene	7.941	250	68534	51.41	ng	98
73)	Dibenzofuran	7.978	168	306690	49.59	ng	91
74)	2,4,5-Trichloroaniline	8.026	195	88935	54.34	ng	99
75)	2,4-Dinitrotoluene	7.962	165	77678	56.02	ng	93
76)	4-Nitrophenol	7.909	65	70003	52.42	ng	87
77)	2,3,4,5-Tetrachlorophenol	8.075	232	55328	56.47	ng	98
78)	2,3,4,6-Tetrachlorophenol	8.085	232	43154	47.45	ng	95
79)	Fluorene	8.288	166	245102	52.11	ng	100
80)	4-Chlorophenyl-phenyle...	8.283	204	96750	50.43	ng	95
81)	Diethylphthalate	8.176	149	258701	50.80	ng	98
82)	4-Nitroaniline	8.304	138	78988	57.40	ng	91
83)	2,3,5,6-Tetrachloroani...	8.427	231	71871	52.18	ng	98
84)	Atrazine	8.924	200	70018	57.67	ng	99
86)	4,6-Dinitro-2-methylph...	8.336	198	41130	52.07	ng	33
87)	n-Nitrosodiphenylamine	8.395	169	220554	50.22	ng	99
89)	1,2-Diphenylhydrazine	8.432	77	394363	49.29	ng	98
90)	4-Bromophenyl-phenylether	8.758	248	50332	51.88	ng	97
91)	Hexachlorobenzene	8.817	284	47744	49.53	ng	94
92)	N-Octadecane	9.111	57	241052	51.55	ng	94
93)	Pentachloronitrobenzene	9.031	237	25348	54.35	ng	91
94)	Pentachlorophenol	9.020	266	30132	50.35	ng	97
95)	Phenanthrene	9.239	178	358604	49.00	ng	99
96)	Anthracene	9.293	178	372773	51.19	ng	99
97)	Pentachloroaniline	9.490	265	52125	50.32	ng	98
98)	Carbazole	9.464	167	375777	51.62	ng	99
99)	Di-n-butylphthalate	9.859	149	468106	54.99	ng	99
100)	Parathion	10.057	291	15243	54.20	ng	92
101)	Fluoranthene	10.548	202	367101	52.16	ng	94
103)	Pyrene	10.804	202	387292	49.73	ng	99
104)	Benzidine	10.714	184	158791	64.04	ng	95
106)	4,4'-DDE	10.943	246	63972	50.54	ng	90
107)	4,4'-DDD	11.344	235	129855	52.22	ng	82
108)	Di-n-hexyl phthalate	11.542	149	519376	51.19	ng	100
109)	Butylbenzylphthalate	11.606	149	223057	53.00	ng	88
110)	4,4'-DDT	11.697	235	108007	49.55	ng	82
111)	3,3'-Dichlorobenzidine	12.209	252	101367	56.02	ng	98
112)	Benzo[a]anthracene	12.225	228	303439	49.15	ng	99
113)	Chrysene	12.263	228	310443	49.78	ng	98
114)	bis(2-Ethylhexyl)phtha...	12.311	149	303576	53.57	ng	99
116)	Di-n-octylphthalate	13.059	149	528070	59.69	ng	100
117)	Benzo[b]fluoranthene	13.433	252	272915	51.78	ng	96
118)	Benzo[k]fluoranthene	13.433	252	272915	48.39	ng	97
119)	Benzo[a]pyrene	13.769	252	276625	52.84	ng	96
120)	Indeno[1,2,3-cd]pyrene	14.961	276	256927	52.85	ng	79
121)	Dibenzo[a,h]anthracene	14.982	278	215471	54.22	ng	91
122)	Benzo[g,h,i]perylene	15.276	276	220123	52.26	ng	92

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


Abundance
TIC: 5M65030.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M65030.D
Acq On : 03/ 4/11 10:17
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/04/11 10:33
Qt Upd On: 03/03/11 17:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M65030.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M65030.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19709.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/4/2011 10:20:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.63	40.00	40				0.000	0.00	
Pyridine	1	0		2.78	53.19	50			1.496	1.592	6.38	
N-Nitrosodimethylamine	1	0		2.71	51.67	50			0.908	0.939	3.34	
2-Fluorophenol	1	0	S	4.42	52.14	50			1.344	1.401	4.28	
Chloroacetamide	1	0		4.69	48.51				0.325			
Benzaldehyde	1	0		5.25	41.75	50			0.789	0.814	16.50	
Aniline	1	0		5.35	55.44	50			1.904	2.112	10.88	
Pentachloroethane	1	0		5.39	50.32	50			0.462	0.465	0.64	
bis(2-Chloroethyl)ether	1	0		5.41	49.50	50			1.384	1.370	1.00	
Phenol-d5	1	0	S	5.32	51.28	50			1.714	1.758	2.56	
Phenol	1	0	CC	5.33	51.70	50	20		1.881	1.946	3.40	
2-Chlorophenol	1	0		5.45	50.88	50			1.371	1.395	1.76	
N-Decane	1	0		5.50	53.54	50			1.895	2.029	7.08	
3-Chlorophenol	1	0		6.61	49.93				1.460			
1,3-Dichlorobenzene	1	0		5.59	50.96	50			1.489	1.517	1.92	
1,4-Dichlorobenzene	1	0	CC	5.65	50.55	50	20		1.503	1.519	1.10	
1,2-Dichlorobenzene	1	0		5.77	51.89	50			1.414	1.467	3.78	
Benzyl alcohol	1	0		5.75	52.09	50			0.940	0.979	4.18	
bis(2-chloroisopropyl)ether	1	0		5.86	50.91	50			3.138	3.194	1.82	
2-Methylphenol	1	0		5.85	51.70	50			1.321	1.366	3.40	
Acetophenone	1	0		5.96	50.58	50			2.017	2.040	1.16	
Hexachloroethane	1	0		6.05	50.00	50			0.623	0.623	0.00	
N-Nitroso-di-n-propylamine	1	0	CP	5.96	51.81	50	0.05		1.001	1.038	3.62	
3&4-Methylphenol	1	0		5.97	51.72	50			1.283	1.327	3.44	
Naphthalene-d8	1	0	I	6.64	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.09	25.35	25			0.168	0.171	1.40	
Nitrobenzene	1	0		6.10	50.33	50			0.383	0.385	0.66	
Isophorone	1	0		6.29	49.85	50			0.694	0.692	0.30	
2-Nitrophenol	1	0	CC	6.35	53.14	50	20		0.186	0.197	6.28	
2,4-Dimethylphenol	1	0		6.38	51.83	50			0.346	0.358	3.66	
Benzoic Acid	1	0		6.46	48.56	50			0.243	0.250	2.88	
bis(2-Chloroethoxy)methane	1	0		6.46	49.81	50			0.409	0.408	0.38	
2,4-Dichlorophenol	1	0	CC	6.54	51.22	50	20		0.275	0.281	2.44	
1,2,4-Trichlorobenzene	1	0		6.60	50.70	50			0.294	0.298	1.40	
Naphthalene	1	0		6.66	52.53	50			1.006	1.057	5.06	
3-Chloroaniline	1	0		6.68	44.80				0.444			
4-Chloroaniline	1	0		6.70	52.63	50			0.313	0.330	5.26	
Hexachlorobutadiene	1	0	CC	6.75	48.50	50	20		0.137	0.133	3.00	
Caprolactam	1	0		6.97	44.39	50			0.128	0.121	11.22	
4-Chloro-3-methylphenol	1	0	CC	7.06	51.31	50	20		0.310	0.318	2.62	
2-Methylnaphthalene	1	0		7.18	49.30	50			0.648	0.639	1.40	
Methylnaphthalenes	1	0		7.18	49.30	50	20			0.639	1.40	
2,4-Dichloroaniline	1	0		7.31	50.79				0.320			
1,1'-Biphenyl	1	0		7.55	49.12	50			0.837	0.822	1.76	
Acenaphthene-d10	1	0	I	8.05	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.31	50.51	50			0.453	0.458	1.02	
Hexachlorocyclopentadiene	1	0	CP	7.31	50.07	50	0.05		0.235	0.235	0.14	
2,4,6-Trichlorophenol	1	0	CC	7.40	51.67	50	20		0.318	0.328	3.34	
2,4,5-Trichlorophenol	1	0		7.44	51.06	50			0.343	0.350	2.12	
2-Fluorobiphenyl	1	0	S	7.47	24.80	25			1.215	1.205	0.80	
1,2,3,4-Tetrachlorobenzene	1	0		7.54	50.74				0.345			
2-Chloronaphthalene	1	0		7.57	50.24	50			1.080	1.085	0.48	
3,4-Dichlorophenol	1	0		7.62	51.67				0.508			
3,4-Dichloroaniline	1	0		7.76	55.16				0.458			
1,4-Dimethylnaphthalene	1	0		7.85	51.05	50			0.760	0.768	2.10	
Dimethylnaphthalenes	1	0		7.85	51.05	50	20			0.768	2.10	
Diphenyl Ether	1	0		7.63	50.15	50			0.794	0.796	0.30	
2-Nitroaniline	1	0		7.65	51.08	50			0.475	0.485	2.16	
Coumarin	1	0		7.83	51.52				0.484			
Acenaphthylene	1	0		7.92	49.87	50			1.728	1.723	0.26	
Dimethylphthalate	1	0		7.79	45.22	50			1.345	1.225	9.56	
2,6-Dinitrotoluene	1	0		7.85	50.17	50			0.265	0.266	0.34	
Acenaphthene	1	0	CC	8.07	49.96	50	20		1.062	1.061	0.08	
3-Nitroaniline	1	0		8.00	54.64	50			0.303	0.331	9.28	
2,4-Dinitrophenol	1	0	CP	8.09	45.66	50	0.05		0.148	0.141	8.68	
Pentachlorobenzene	1	0		8.18	48.99				0.365			
Dibenzofuran	1	0		8.22	48.49	50			1.519	1.473	3.02	
2,4,5-Trichloroaniline	1	0		8.27	52.78				0.417			
2,4-Dinitrotoluene	1	0		8.20	50.90	50			0.379	0.386	1.80	
4-Nitrophenol	1	0	CP	8.13	46.20	50	0.05		0.289	0.295	7.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19709.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/4/2011 10:20:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,3,4,5-Tetrachlorophenol	1	0		8.31	56.18				0.259			
2,3,4,6-Tetrachlorophenol	1	0		8.33	40.30	50			0.221	0.195	19.40	
Fluorene	1	0		8.54	50.44	50			1.210	1.221	0.88	
4-Chlorophenyl-phenylether	1	0		8.53	49.72	50			0.513	0.510	0.56	
Diethylphthalate	1	0		8.42	49.73	50			1.272	1.265	0.54	
4-Nitroaniline	1	0		8.55	51.69	50			0.359	0.372	3.38	
2,3,5,6-Tetrachloroaniline	1	0		8.68	49.03				0.356			
Atrazine	1	0		9.17	47.82	50			0.334	0.320	4.36	
Phenanthrene-d10	1	0	I	9.48	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.57	49.76	50			0.116	0.129	0.48	
n-Nitrosodiphenylamine	1	0	CC	8.64	52.20	50	20		0.668	0.698	4.40	
2,4,6-Tribromophenol	1	0	S	8.77	49.92	50			0.072	0.072	0.16	
1,2-Diphenylhydrazine	1	0		8.68	56.30	50			0.881	0.992	12.60	
4-Bromophenyl-phenylether	1	0		9.01	49.57	50			0.167	0.165	0.86	
Hexachlorobenzene	1	0		9.08	49.64	50			0.162	0.160	0.72	
N-Octadecane	1	0		9.35	54.72	50			0.713	0.780	9.44	
Pentachloronitrobenzene	1	0		9.29	50.93				0.081			
Pentachlorophenol	1	0	CC	9.28	44.42	50	20		0.095	0.099	11.16	
Phenanthrene	1	0		9.51	50.95	50			1.053	1.073	1.90	
Anthracene	1	0		9.56	50.74	50			1.079	1.094	1.48	
Pentachloroaniline	1	0		9.76	50.33				0.178			
Carbazole	1	0		9.73	50.80	50			1.105	1.122	1.60	
Di-n-butylphthalate	1	0		10.11	52.66	50			1.311	1.381	5.32	
Parathion	1	0		10.31	51.33				0.050			
Fluoranthene	1	0	CC	10.82	51.28	50	20		1.103	1.132	2.56	
Chrysene-d12	1	0	I	12.51	40.00	40				0.000	0.00	
Pyrene	1	0		11.08	49.20	50			1.337	1.316	1.60	
Benzidine	1	0		10.98	48.23	50			0.408	0.552	3.54	
Terphenyl-d14	1	0	S	11.27	25.03	25			0.809	0.810	0.12	
4,4'-DDE	1	0		11.21	48.02				0.242			
4,4'-DDD	1	0		11.60	50.36				0.454			
Di-n-hexyl phthalate	1	0		11.79	48.66				1.610			
Butylbenzylphthalate	1	0		11.86	50.92	50			0.699	0.712	1.84	
4,4'-DDT	1	0		11.96	50.56				0.372			
3,3'-Dichlorobenzidine	1	0		12.47	51.45	50			0.292	0.367	2.90	
Benzo[a]anthracene	1	0		12.50	50.54	50			1.083	1.094	1.08	
Chrysene	1	0		12.54	49.20	50			1.069	1.052	1.60	
bis(2-Ethylhexyl)phthalate	1	0		12.56	53.05	50			0.888	0.943	6.10	
Perylene-d12	1	0	I	14.11	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.30	50.49	50	20		1.627	1.775	0.98	
Benzo[b]fluoranthene	1	0		13.70	51.27	50			1.049	1.075	2.54	
Benzo[k]fluoranthene	1	0		13.74	51.03	50			1.068	1.090	2.06	
Benzo[a]pyrene	1	0	CC	14.05	52.40	50	20		1.025	1.075	4.80	
Indeno[1,2,3-cd]pyrene	1	0		15.32	52.18	50			1.044	1.089	4.36	
Dibenzo[a,h]anthracene	1	0		15.34	53.30	50			0.846	0.902	6.60	
Benzo[g,h,i]perylene	1	0		15.67	51.31	50			0.909	0.933	2.62	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.648	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.760	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19709.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:35
Acq On : 03/ 4/11 10:20 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	83535	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	333235	40.00	ng	0.00
51) Acenaphthene-d10	8.045	164	183558	40.00	ng	0.00
85) Phenanthrene-d10	9.479	188	286763	40.00	ng	-0.01
102) Chrysene-d12	12.512	240	251737	40.00	ng	-0.01
115) Perylene-d12	14.105	264	230191	40.00	ng	-0.01
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	146308	52.14	ng	0.00
Spiked Amount 100.000			Recovery = 52.14%			
16) Phenol-d5	5.323	99	183574	51.28	ng	0.00
Spiked Amount 100.000			Recovery = 51.28%			
32) Nitrobenzene-d5	6.088	128	35552	25.35	ng	0.00
Spiked Amount 50.000			Recovery = 50.70%			
56) 2-Fluorobiphenyl	7.468	172	138263	24.80	ng	-0.01
Spiked Amount 50.000			Recovery = 49.60%			
88) 2,4,6-Tribromophenol	8.768	330	25722	49.92	ng	-0.01
Spiked Amount 100.000			Recovery = 49.92%			
105) Terphenyl-d14	11.271	244	127365	25.03	ng	-0.01
Spiked Amount 50.000			Recovery = 50.06%			
Target Compounds						Qvalue
8) Pyridine	2.782	79	166214	53.19	ng	95
9) N-Nitrosodimethylamine	2.713	74	98008	51.67	ng	98
11) Chloroacetamide	4.687	93	36027	48.51	ng	40
12) Benzaldehyde	5.253	77	85024	41.75	ng	79
13) Aniline	5.350	93	220500	55.44	ng	77
14) Pentachloroethane	5.393	117	48527	50.32	ng	85
15) bis(2-Chloroethyl)ether	5.414	93	143059	49.50	ng	93
17) Phenol	5.334	94	203154	51.70	ng	93
18) 2-Chlorophenol	5.451	128	145635	50.88	ng	90
19) N-Decane	5.500	57	211849	53.54	ng	95
20) 3-Chlorophenol	6.612	128	152218	49.93	ng	95
21) 1,3-Dichlorobenzene	5.585	146	158448	50.96	ng	97
22) 1,4-Dichlorobenzene	5.649	146	158621	50.55	ng	98
23) 1,2-Dichlorobenzene	5.772	146	153226	51.89	ng	97
24) Benzyl alcohol	5.751	108	102218	52.09	ng	76
25) bis(2-chloroisopropyl)...	5.863	45	333549	50.91	ng	92
26) 2-Methylphenol	5.847	108	142638	51.70	ng	98
27) Acetophenone	5.965	105	213005	50.58	ng	78
28) Hexachloroethane	6.045	117	65051	50.00	ng	94
29) N-Nitroso-di-n-propyla...	5.965	70	108353	51.81	ng	97
30) 3&4-Methylphenol	5.970	108	138606	51.72	ng	99
33) Nitrobenzene	6.099	77	160544	50.33	ng	86
34) Isophorone	6.291	82	288187	49.85	ng	87
35) 2-Nitrophenol	6.350	139	82148	53.14	ng	88
36) 2,4-Dimethylphenol	6.382	107	149276	51.83	ng	98
37) Benzoic Acid	6.462	105	103930	48.56	ng	89
38) bis(2-Chloroethoxy)met...	6.457	93	169748	49.81	ng	96
39) 2,4-Dichlorophenol	6.537	162	117223	51.22	ng	86
40) 1,2,4-Trichlorobenzene	6.601	180	124302	50.70	ng	95
41) Naphthalene	6.660	128	440219	52.53	ng	99
42) 3-Chloroaniline	6.682	127	199431	44.80	ng	99
43) 4-Chloroaniline	6.698	127	137278	52.63	ng	88
44) Hexachlorobutadiene	6.751	225	55510	48.50	ng	97
45) Caprolactam	6.965	113	50576	44.39	ng	68
46) 4-Chloro-3-methylphenol	7.061	107	132589	51.31	ng	84
47) 2-Methylnaphthalene	7.184	142	266017	49.30	ng	99
48) Methylnaphthalenes (To...	7.184	142	266017	49.30	ng	99
49) 2,4-Dichloroaniline	7.307	161	135359	50.79	ng	97
50) 1,1'-Biphenyl	7.553	154	342418	49.12	ng	95
52) 1,2,4,5-Tetrachloroben...	7.313	216	104988	50.51	ng	98
53) Hexachlorocyclopentadiene	7.307	237	53931	50.07	ng	98
54) 2,4,6-Trichlorophenol	7.404	196	75345	51.67	ng	99
55) 2,4,5-Trichlorophenol	7.436	196	80320	51.06	ng	98
57) 1,2,3,4-Tetrachloroben...	7.543	214	80428	50.74	ng	54
58) 2-Chloronaphthalene	7.575	162	248950	50.24	ng	91
59) 3,4-Dichlorophenol	7.623	162	120408	51.67	ng	98
60) 3,4-Dichloroaniline	7.757	161	125524	55.16	ng	99
61) 1,4-Dimethylnaphthalene	7.848	156	176302	51.05	ng	95
62) Dimethylnaphthalenes (...	7.848	156	176302	51.05	ng	95
63) Diphenyl Ether	7.634	170	182687	50.15	ng	88
64) 2-Nitroaniline	7.650	65	111227	51.08	ng	74
65) Coumarin	7.832	146	114400	51.52	ng	65

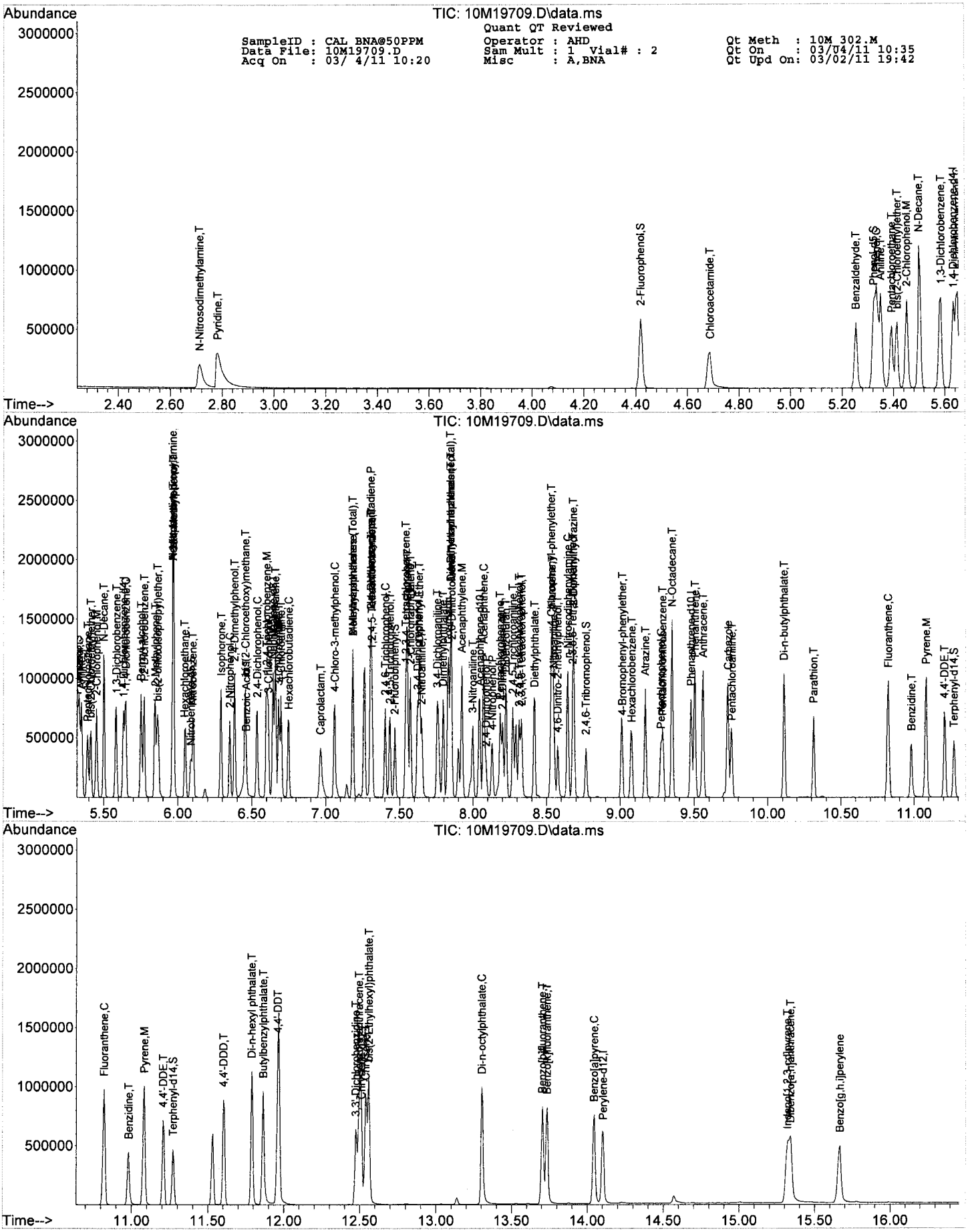
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19709.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:35
Acq On : 03/ 4/11 10:20 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	Acenaphthylene	7.922	152	395383	49.87 ng	99
67)	Dimethylphthalate	7.794	163	280959	45.22 ng	99
68)	2,6-Dinitrotoluene	7.853	165	61010	50.17 ng	65
69)	Acenaphthene	8.072	153	243517	49.96 ng	97
70)	3-Nitroaniline	7.997	138	75886	54.64 ng	77
71)	2,4-Dinitrophenol	8.088	184	32395	45.66 ng	49
72)	Pentachlorobenzene	8.185	250	81975	48.99 ng	99
73)	Dibenzofuran	8.222	168	337956	48.49 ng	94
74)	2,4,5-Trichloroaniline	8.270	195	100982	52.78 ng	98
75)	2,4-Dinitrotoluene	8.201	165	88468	50.90 ng	75
76)	4-Nitrophenol	8.131	65	67607	46.20 ng	88
77)	2,3,4,5-Tetrachlorophenol	8.313	232	66665m	56.18 ng	
78)	2,3,4,6-Tetrachlorophenol	8.329	232	44752m	40.30 ng	
79)	Fluorene	8.538	166	280075	50.44 ng	98
80)	4-Chlorophenyl-phenyle...	8.532	204	117077	49.72 ng	94
81)	Diethylphthalate	8.420	149	290306	49.73 ng	99
82)	4-Nitroaniline	8.548	138	85261	51.69 ng	80
83)	2,3,5,6-Tetrachloroani...	8.677	231	79979	49.03 ng	94
84)	Atrazine	9.169	200	73321	47.82 ng	95
86)	4,6-Dinitro-2-methylph...	8.575	198	46201	49.76 ng	43
87)	n-Nitrosodiphenylamine	8.645	169	250078	52.20 ng	99
89)	1,2-Diphenylhydrazine	8.682	77	355724	56.30 ng	94
90)	4-Bromophenyl-phenylether	9.014	248	59262	49.57 ng	98
91)	Hexachlorobenzene	9.078	284	57504	49.64 ng	83
92)	N-Octadecane	9.351	57	279699	54.72 ng	93
93)	Pentachloronitrobenzene	9.286	237	29607	50.93 ng	93
94)	Pentachlorophenol	9.276	266	35351	44.42 ng	95
95)	Phenanthrene	9.506	178	384517	50.95 ng	100
96)	Anthracene	9.559	178	392313	50.74 ng	100
97)	Pentachloroaniline	9.757	265	64283	50.33 ng	98
98)	Carbazole	9.730	167	402291	50.80 ng	98
99)	Di-n-butylphthalate	10.110	149	495147	52.66 ng	98
100)	Parathion	10.313	291	20429	51.33 ng	95
101)	Fluoranthene	10.821	202	405676	51.28 ng	99
103)	Pyrene	11.084	202	414010	49.20 ng	94
104)	Benzidine	10.982	184	173827	48.23 ng	89
106)	4,4'-DDE	11.207	246	73220	48.02 ng	91
107)	4,4'-DDD	11.602	235	143759	50.36 ng	83
108)	Di-n-hexyl phthalate	11.790	149	532377	48.66 ng	100
109)	Butylbenzylphthalate	11.864	149	224106	50.92 ng	77
110)	4,4'-DDT	11.961	235	118459	50.56 ng	91
111)	3,3'-Dichlorobenzidine	12.474	252	115533	51.45 ng	98
112)	Benzo[a]anthracene	12.496	228	344404	50.54 ng	99
113)	Chrysene	12.538	228	330979	49.20 ng	98
114)	bis(2-Ethylhexyl)phtha...	12.560	149	296612	53.05 ng	94
116)	Di-n-octylphthalate	13.303	149	510714	50.49 ng	99
117)	Benzo[b]fluoranthene	13.704	252	309381	51.27 ng	99
118)	Benzo[k]fluoranthene	13.736	252	313642	51.03 ng	98
119)	Benzo[a]pyrene	14.047	252	309196	52.40 ng	98
120)	Indeno[1,2,3-cd]pyrene	15.320	276	313428	52.18 ng	93
121)	Dibenzo[a,h]anthracene	15.341	278	259622	53.30 ng	99
122)	Benzo[g,h,i]perylene	15.667	276	268358	51.31 ng	91

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


Abundance
TIC: 10M19709.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19709.D
Acq On : 03/ 4/11 10:20
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M 302.M
Qt On : 03/04/11 10:35
Qt Upd On: 03/02/11 19:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 10M19709.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 10M19709.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

SPLP
GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64598.D
Analysis Date: 02/09/11 09:20
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.594 to 9.604 min

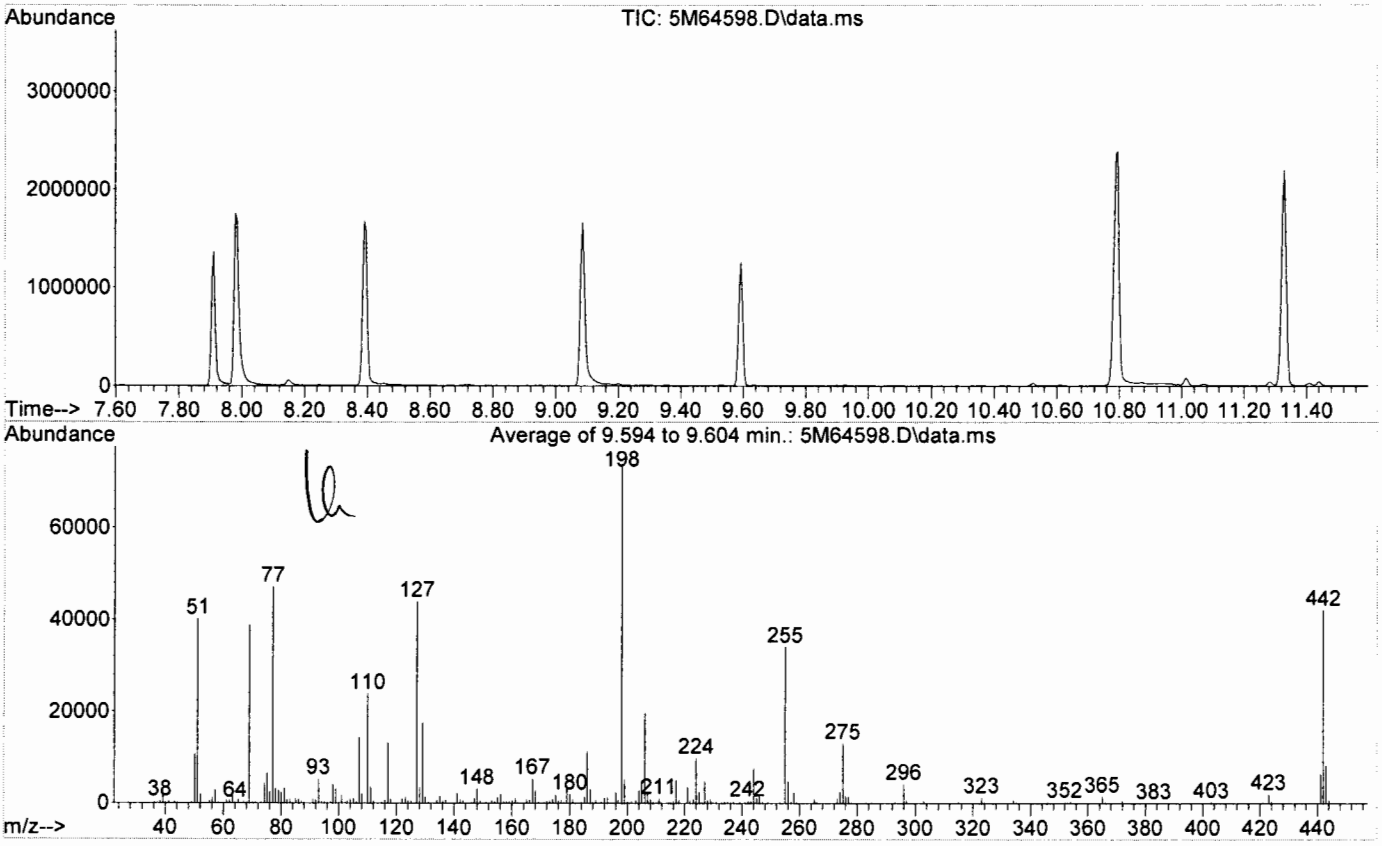
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.2	40084	PASS
68	69	0.00	2	0.7	270	PASS
69	198	0.00	100	52.6	38884	PASS
70	69	0.00	2	0.8	325	PASS
127	198	40	60	59.4	43930	PASS
197	198	0.00	1	1.0	729	PASS
198	198	100	100	100.0	73955	PASS
199	198	5	9	7.1	5218	PASS
275	198	10	30	17.5	12958	PASS
365	198	1	100	2.1	1530	PASS
441	443	0.01	100	78.3	6413	PASS
442	198	40	100	57.0	42127	PASS
443	442	17	23	19.4	8191	PASS

Data File	Sample Number	Analysis Date:
5M64599.D	CAL BNA@50PPM	02/09/11 09:44
5M64600.D	CAL BNA@196PP	02/09/11 10:07
5M64601.D	CAL BNA@160PP	02/09/11 10:30
5M64602.D	CAL BNA@120PP	02/09/11 10:54
5M64603.D	CAL BNA@80PPM	02/09/11 11:18
5M64604.D	CAL BNA@20PPM	02/09/11 11:42
5M64605.D	CAL BNA@10PPM	02/09/11 12:06
5M64606.D	CAL BNA@2PPM	02/09/11 12:30
5M64607.D	CAL BNA@0.5PP	02/09/11 12:53
5M64608.D	CAL BNA@50PPM	02/09/11 13:17
5M64609.D	CAL BNA@25PPM	02/09/11 13:40
5M64610.D	CAL BNA@30PPM	02/09/11 14:04
5M64611.D	ICV BNA@50PPM	02/09/11 14:35
5M64612.D	WMB4476(MS)	02/09/11 15:12
5M64613.D	WMB4476	02/09/11 15:35
5M64614.D	AC57151-001	02/09/11 15:58
5M64615.D	AC57156-001	02/09/11 16:22
5M64616.D	AC57151-003	02/09/11 16:45
5M64617.D	AC57156-002	02/09/11 17:09
5M64618.D	MLCL2-TEST	02/09/11 17:32

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Data File : 5M64598.D
Acq On : 9 Feb 2011 9:20
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0208.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 11:54:43 2011



Spectrum Information: Average of 9.594 to 9.604 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.2	40084	PASS
68	69	0.00	2	0.7	270	PASS
69	198	0.00	100	52.6	38884	PASS
70	69	0.00	2	0.8	325	PASS
127	198	40	60	59.4	43930	PASS
197	198	0.00	1	1.0	729	PASS
198	198	100	100	100.0	73955	PASS
199	198	5	9	7.1	5218	PASS
275	198	10	30	17.5	12958	PASS
365	198	1	100	2.1	1530	PASS
441	443	0.01	100	78.3	6413	PASS
442	198	40	100	57.0	42127	PASS
443	442	17	23	19.4	8191	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19414.D
Analysis Date: 02/09/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.827 to 9.832 min

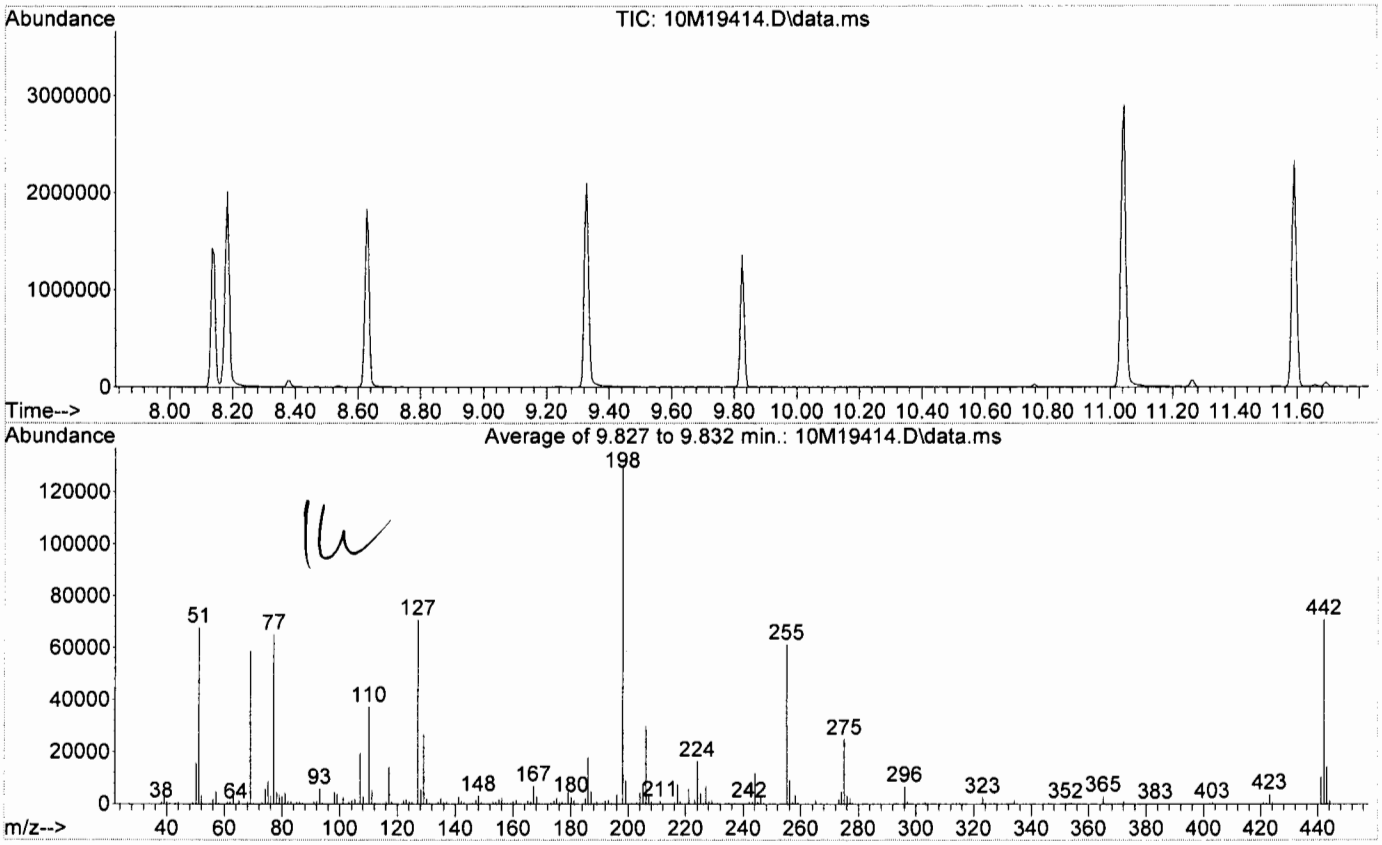
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	67756	PASS
68	69	0.00	2	1.4	844	PASS
69	198	0.00	100	45.1	58768	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	54.3	70736	PASS
197	198	0.00	1	0.2	294	PASS
198	198	100	100	100.0	130260	PASS
199	198	5	9	6.9	9032	PASS
275	198	10	30	19.1	24864	PASS
365	198	1	100	2.3	2981	PASS
441	443	0.01	100	73.5	10493	PASS
442	198	40	100	54.4	70844	PASS
443	442	17	23	20.1	14268	PASS

Data File	Sample Number	Analysis Date:
10M19415.D	CAL BNA@50PPM	02/09/11 09:39
10M19416.D	CAL BNA@196PP	02/09/11 10:03
10M19417.D	CAL BNA@160PP	02/09/11 10:26
10M19418.D	CAL BNA@120PP	02/09/11 10:48
10M19419.D	CAL BNA@80PPM	02/09/11 11:10
10M19420.D	CAL BNA@20PPM	02/09/11 11:33
10M19421.D	CAL BNA@10PPM	02/09/11 11:55
10M19422.D	CAL BNA@2PPM	02/09/11 12:17
10M19423.D	CAL BNA@0.5PP	02/09/11 12:39
10M19424.D	CAL BNA@50PPM	02/09/11 13:01
10M19425.D	CAL BNA@25PPM	02/09/11 13:24
10M19426.D	CAL BNA@30PPM	02/09/11 13:55
10M19427.D	ICV BNA@50PPM	02/09/11 14:17
10M19428.D	WMB4476	02/09/11 15:09
10M19429.D	AC57153-001	02/09/11 15:31
10M19430.D	AC57023-003(T)	02/09/11 15:53
10M19431.D	EF-SPLP V-10679	02/09/11 16:16
10M19432.D	AC57154-001	02/09/11 16:38
10M19433.D	MBS-A	02/09/11 17:00
10M19434.D	MBS-B	02/09/11 17:22
10M19435.D	MBS-C	02/09/11 17:44
10M19436.D	MBS-D	02/09/11 18:06

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Data File : 10M19414.D
Acq On : 9 Feb 2011 9:18
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\MethodQt\10M_0208.M
Title : @GCMS_10,mg,625,8270
Last Update : Tue Feb 08 17:46:21 2011



Spectrum Information: Average of 9.827 to 9.832 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	67756	PASS
68	69	0.00	2	1.4	844	PASS
69	198	0.00	100	45.1	58768	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	54.3	70736	PASS
197	198	0.00	1	0.2	294	PASS
198	198	100	100	100.0	130260	PASS
199	198	5	9	6.9	9032	PASS
275	198	10	30	19.1	24864	PASS
365	198	1	100	2.3	2981	PASS
441	443	0.01	100	73.5	10493	PASS
442	198	40	100	54.4	70844	PASS
443	442	17	23	20.1	14268	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32186.D
Instrument: GCMS 9 **Analysis Date:** 02/09/11 09:29
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.703 to 9.714 min

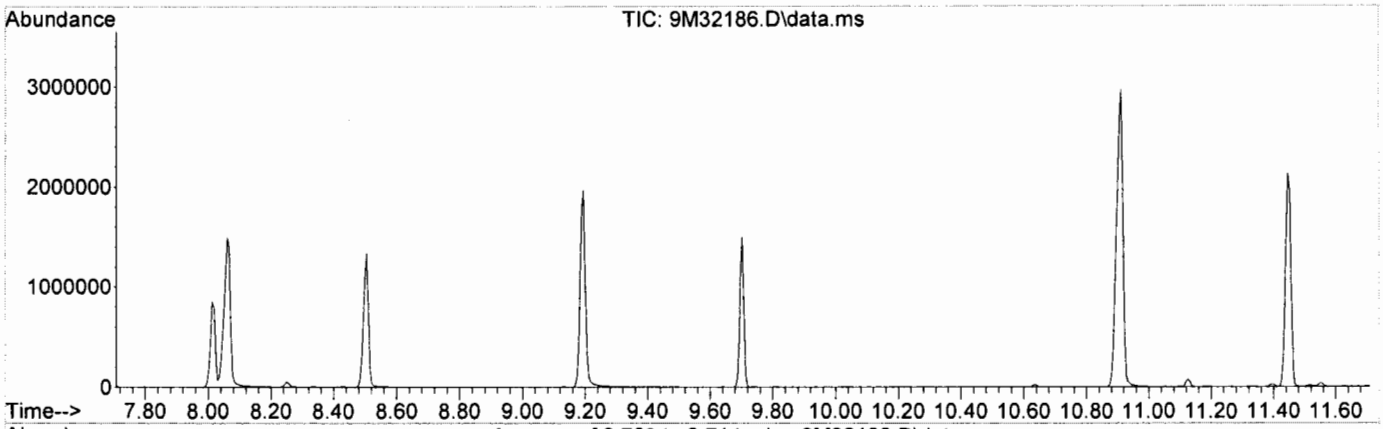
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	38.7	38942	PASS
68	69	0.00	2	1.7	708	PASS
69	198	0.00	100	42.5	42744	PASS
70	69	0.00	2	0.5	206	PASS
127	198	40	60	53.9	54198	PASS
197	198	0.00	1	0.5	496	PASS
198	198	100	100	100.0	100536	PASS
199	198	5	9	6.8	6856	PASS
275	198	10	30	20.9	21034	PASS
365	198	1	100	2.0	2019	PASS
441	443	0.01	100	77.8	6639	PASS
442	198	40	100	42.9	43152	PASS
443	442	17	23	19.8	8536	PASS

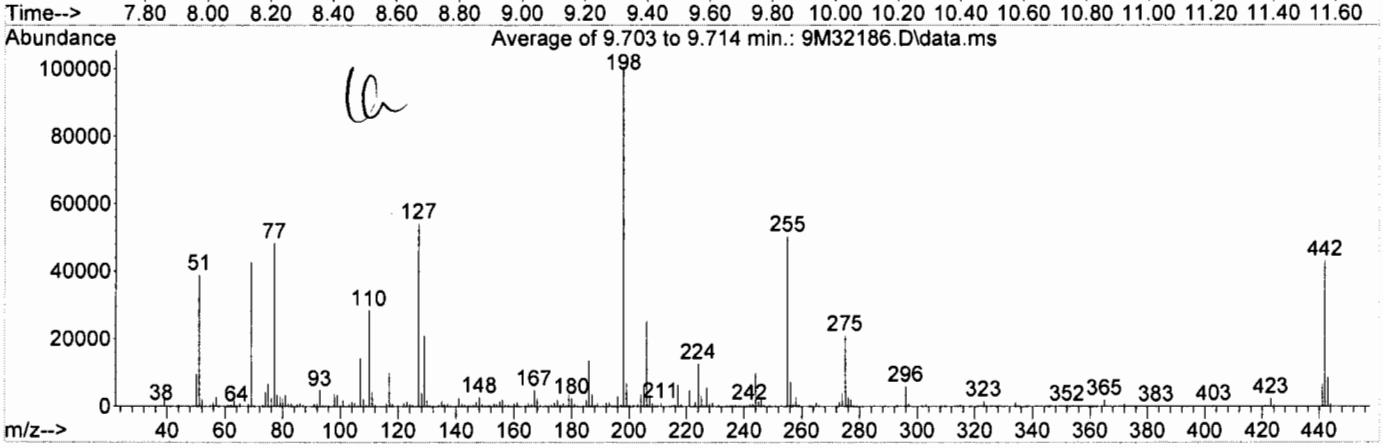
Data File	Sample Number	Analysis Date:
9M32187.D	CAL BNA@50PPM	02/09/11 09:52
9M32188.D	CAL BNA@196PP	02/09/11 10:15
9M32189.D	CAL BNA@160PP	02/09/11 10:38
9M32190.D	CAL BNA@120PP	02/09/11 11:05
9M32191.D	CAL BNA@80PPM	02/09/11 11:28
9M32192.D	CAL BNA@20PPM	02/09/11 11:51
9M32193.D	CAL BNA@10PPM	02/09/11 12:14
9M32194.D	CAL BNA@2PPM	02/09/11 12:37
9M32195.D	CAL BNA@0.5PP	02/09/11 13:00
9M32196.D	CAL BNA@50PPM	02/09/11 13:26
9M32197.D	BNA@25PPM	02/09/11 13:49
9M32198.D	BNA@30PPM	02/09/11 14:12
9M32199.D	ICV BNA@50PPM	02/09/11 14:36
9M32200.D	SMB4479	02/09/11 15:09
9M32201.D	SMB4479(MS)	02/09/11 15:31
9M32202.D	AC57095-001	02/09/11 15:54
9M32203.D	AC57095-001(5X)	02/09/11 16:19
9M32204.D	MBS4479-1	02/09/11 16:42
9M32205.D	MBS4479-2	02/09/11 17:04
9M32206.D	MBS4479-3	02/09/11 17:27
9M32207.D	MBS4479-4	02/09/11 17:50

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Data File : 9M32186.D
Acq On : 9 Feb 2011 9:29
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0203.M
Title : @GCMS_9,mg,625,8270
Last Update : Thu Feb 03 13:49:46 2011





Spectrum Information: Average of 9.703 to 9.714 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.7	38942	PASS
68	69	0.00	2	1.7	708	PASS
69	198	0.00	100	42.5	42744	PASS
70	69	0.00	2	0.5	206	PASS
127	198	40	60	53.9	54198	PASS
197	198	0.00	1	0.5	496	PASS
198	198	100	100	100.0	100536	PASS
199	198	5	9	6.8	6856	PASS
275	198	10	30	20.9	21034	PASS
365	198	1	100	2.0	2019	PASS
441	443	0.01	100	77.8	6639	PASS
442	198	40	100	42.9	43152	PASS
443	442	17	23	19.8	8536	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64711.D
Analysis Date: 02/16/11 09:14
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.572 to 9.583 min

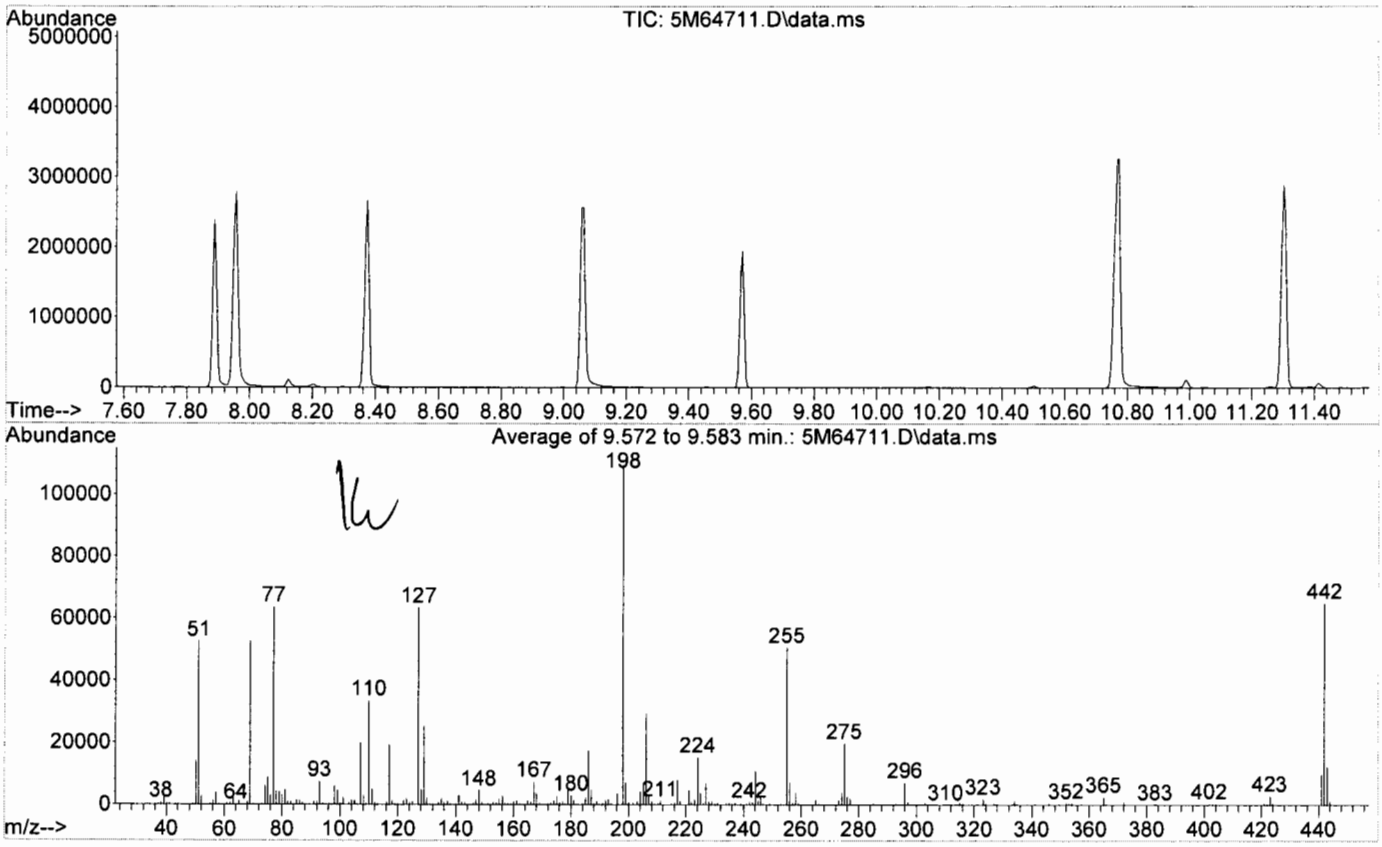
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	48.1	52565	PASS
68	69	0.00	2	1.9	1016	PASS
69	198	0.00	100	48.2	52654	PASS
70	69	0.00	2	0.6	299	PASS
127	198	40	60	58.0	63400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109340	PASS
199	198	5	9	6.5	7106	PASS
275	198	10	30	18.0	19696	PASS
365	198	1	100	2.3	2484	PASS
441	443	0.01	100	80.6	9770	PASS
442	198	40	100	59.3	64833	PASS
443	442	17	23	18.7	12124	PASS

Data File	Sample Number	Analysis Date:
5M64712.D	CAL BNA@50PPM	02/16/11 09:50
5M64713.D	WMB4536	02/16/11 10:16
5M64714.D	WMB4536(MS)	02/16/11 10:40
5M64715.D	AC57098-001(T)	02/16/11 11:08
5M64716.D	AC57098-001(T)(M	02/16/11 11:32
5M64717.D	AC57098-001(T)(M	02/16/11 11:55
5M64718.D	AC57098-002(T)	02/16/11 12:19
5M64719.D	AC57098-003(T)	02/16/11 12:43
5M64720.D	WMB4538(MS)	02/16/11 13:07
5M64721.D	WMB4538	02/16/11 13:30
5M64722.D	AC57098-004(T)	02/16/11 13:54
5M64723.D	AC57277-001(10X)	02/16/11 14:17
5M64724.D	AC57224-006(10X)	02/16/11 14:41
5M64725.D	AC57277-001(5X)	02/16/11 15:04
5M64726.D	AC57273-001	02/16/11 15:28
5M64727.D	AC57274-001	02/16/11 15:52
5M64728.D	AC57232-010	02/16/11 16:16
5M64729.D	AC57242-001(MS)	02/16/11 16:39
5M64730.D	AC57242-001(MSD	02/16/11 17:15
5M64731.D	AC57242-001	02/16/11 17:39
5M64732.D	AC57242-002	02/16/11 18:03
5M64733.D	AC57246-005	02/16/11 18:27
5M64734.D	AC57274-001	02/16/11 18:50
5M64735.D	AC57232-010	02/16/11 19:13
5M64736.D	AC57100-001(T)	02/16/11 19:37
5M64737.D	AC57100-003(T)	02/16/11 20:01
5M64738.D	AC57100-004(T)	02/16/11 20:25
5M64739.D	AC57100-005(T)	02/16/11 20:48
5M64740.D	EF-3 V-1014(02/11	02/16/11 21:11
5M64741.D	EF-3 V-1014(02/12	02/16/11 21:35
5M64742.D	EF-3 V-1014(02/13	02/16/11 21:58
5M64743.D	EF-3 V-1014(02/14	02/16/11 22:22
5M64744.D	AC57251-004	02/16/11 22:46
5M64745.D	AC57251-005	02/16/11 23:09
5M64746.D	AC57251-006	02/16/11 23:33
5M64747.D	AC57251-008	02/16/11 23:57
5M64748.D	AC57239-001	02/17/11 00:20
5M64749.D	AC57239-002	02/17/11 00:43
5M64750.D	AC57239-003	02/17/11 01:07
5M64751.D	AC57239-004	02/17/11 01:30
5M64752.D	AC57226-001	02/17/11 01:53
5M64753.D	AC57226-002	02/17/11 02:17
5M64754.D	AC57259-012	02/17/11 02:40

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Data File : 5M64711.D
Acq On : 16 Feb 2011 9:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.572 to 9.583 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.1	52565	PASS
68	69	0.00	2	1.9	1016	PASS
69	198	0.00	100	48.2	52654	PASS
70	69	0.00	2	0.6	299	PASS
127	198	40	60	58.0	63400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109340	PASS
199	198	5	9	6.5	7106	PASS
275	198	10	30	18.0	19696	PASS
365	198	1	100	2.3	2484	PASS
441	443	0.01	100	80.6	9770	PASS
442	198	40	100	59.3	64833	PASS
443	442	17	23	18.7	12124	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M32364.D
Analysis Date: 02/17/11 08:28
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.661 to 9.672 min

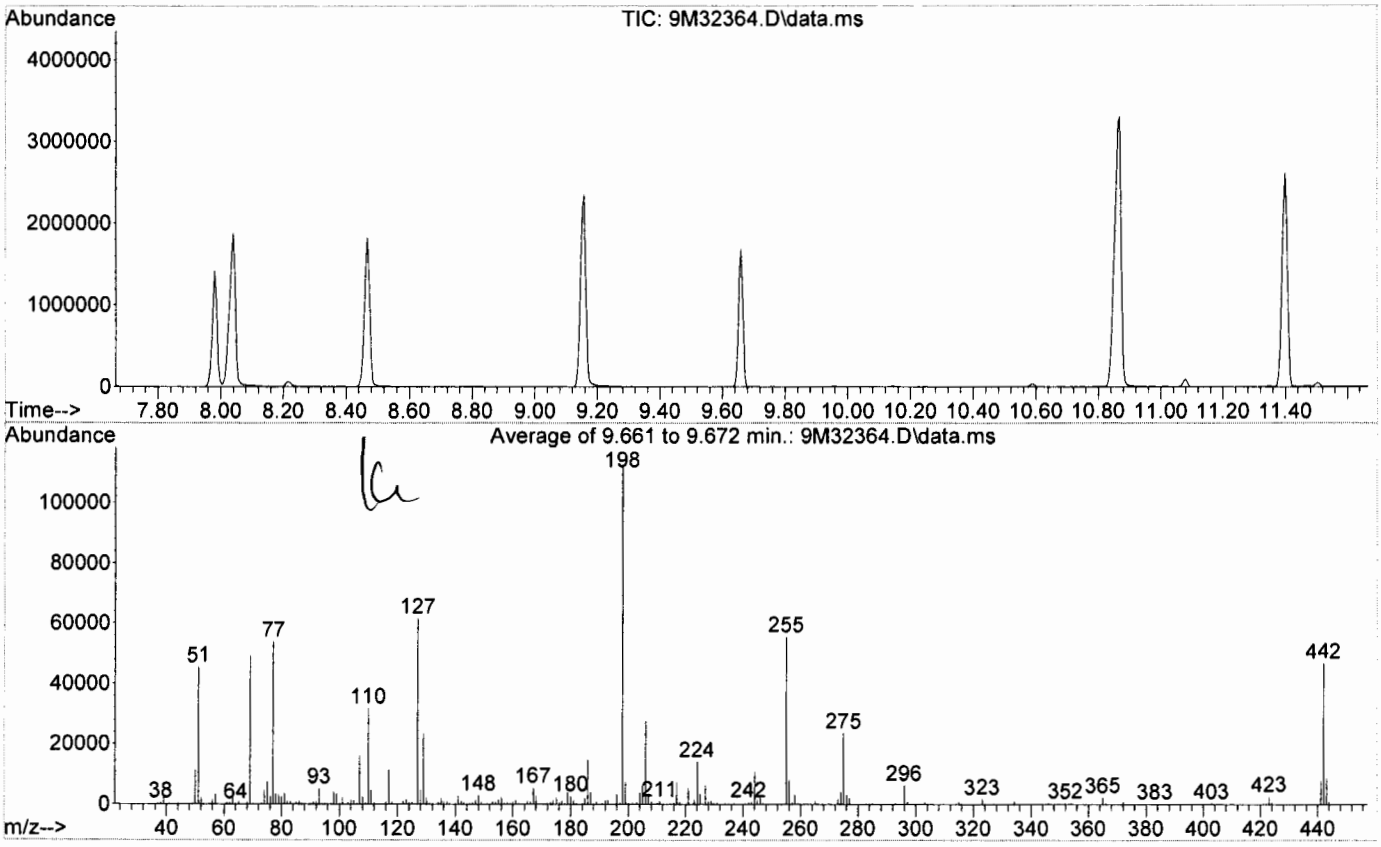
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.3	45446	PASS
68	69	0.00	2	1.5	752	PASS
69	198	0.00	100	43.6	49155	PASS
70	69	0.00	2	0.6	285	PASS
127	198	40	60	54.7	61607	PASS
197	198	0.00	1	0.5	587	PASS
198	198	100	100	100.0	112648	PASS
199	198	5	9	6.5	7352	PASS
275	198	10	30	20.9	23585	PASS
365	198	1	100	2.0	2305	PASS
441	443	0.01	100	88.3	7662	PASS
442	198	40	100	41.6	46835	PASS
443	442	17	23	18.5	8676	PASS

Data File	Sample Number	Analysis Date:
9M32365.D	CAL BNA@50PPM	02/17/11 08:52
9M32366.D	WMB4536	02/17/11 09:18
9M32367.D	WMB4538	02/17/11 09:41
9M32368.D	AC57232-010	02/17/11 10:04
9M32369.D	AC57100-001(T)	02/17/11 10:28
9M32370.D	AC57100-003(T)	02/17/11 10:51
9M32371.D	AC57100-004(T)	02/17/11 11:14
9M32372.D	AC57100-005(T)	02/17/11 11:37
9M32373.D	EF-3 V-1014(02/11	02/17/11 12:01
9M32374.D	EF-3 V-1014(02/12	02/17/11 12:24
9M32375.D	EF-3 V-1014(02/13	02/17/11 12:47
9M32376.D	EF-3 V-1014(02/14	02/17/11 13:10
9M32377.D	WMB4546	02/17/11 13:34
9M32378.D	WMB4536	02/17/11 13:57
9M32379.D	AC57241-003	02/17/11 14:21
9M32380.D	EF-SPLP V-10679	02/17/11 14:44
9M32381.D	AC57120-001(T)	02/17/11 15:07
9M32382.D	AC57141-001(T)	02/17/11 15:29

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Data File : 9M32364.D
Acq On : 17 Feb 2011 8:28
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0209.M
Title : @GCMS_9,mg,625,8270
Last Update : Wed Feb 09 13:45:56 2011



Spectrum Information: Average of 9.661 to 9.672 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.3	45446	PASS
68	69	0.00	2	1.5	752	PASS
69	198	0.00	100	43.6	49155	PASS
70	69	0.00	2	0.6	285	PASS
127	198	40	60	54.7	61607	PASS
197	198	0.00	1	0.5	587	PASS
198	198	100	100	100.0	112648	PASS
199	198	5	9	6.5	7352	PASS
275	198	10	30	20.9	23585	PASS
365	198	1	100	2.0	2305	PASS
441	443	0.01	100	88.3	7662	PASS
442	198	40	100	41.6	46835	PASS
443	442	17	23	18.5	8676	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64791.D
Analysis Date: 02/22/11 07:27
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.556 to 9.567 min

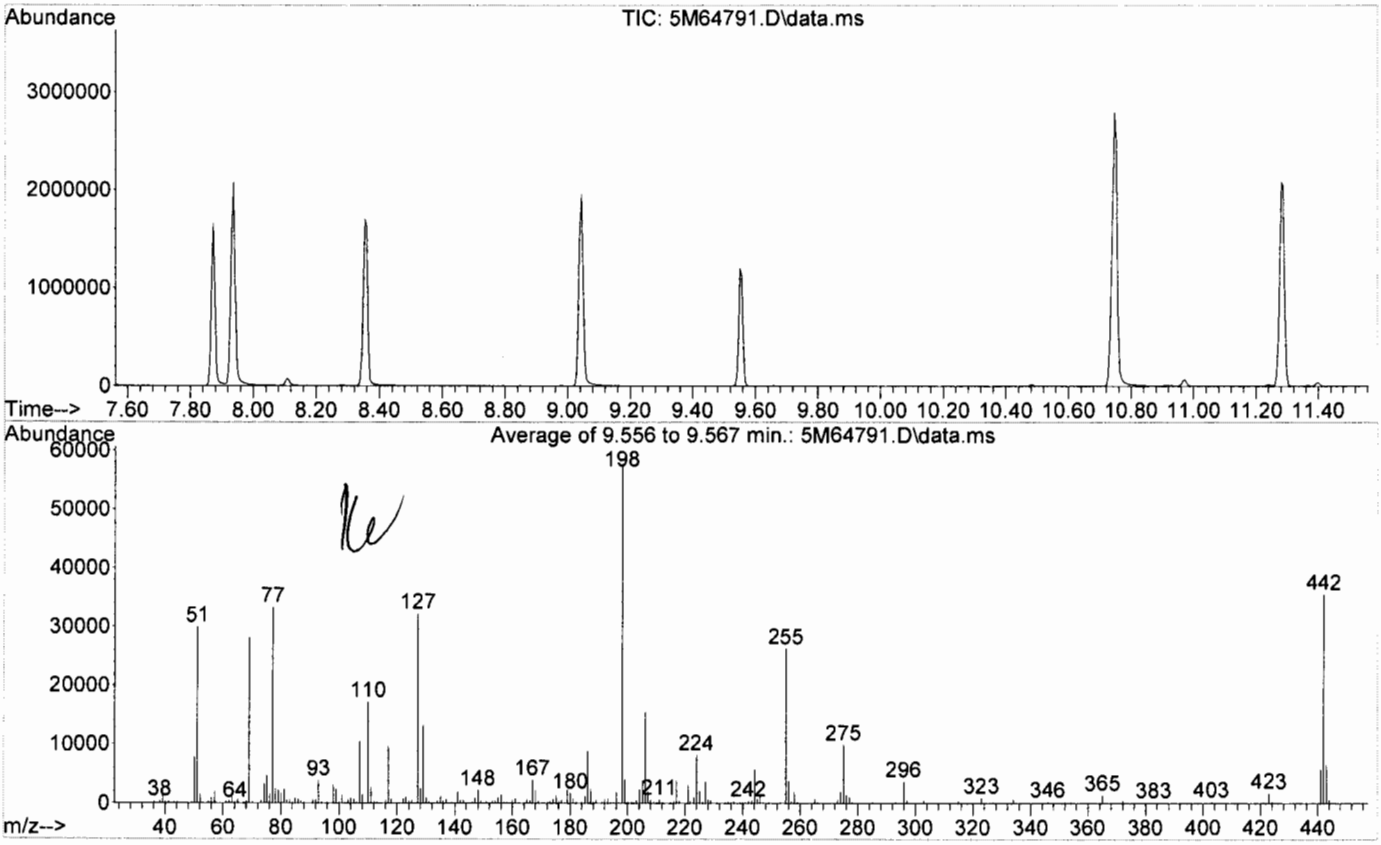
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	29999	PASS
68	69	0.00	2	1.4	383	PASS
69	198	0.00	100	48.7	28112	PASS
70	69	0.00	2	0.7	211	PASS
127	198	40	60	55.8	32208	PASS
197	198	0.00	1	0.2	93	PASS
198	198	100	100	100.0	57735	PASS
199	198	5	9	7.0	4026	PASS
275	198	10	30	17.1	9870	PASS
365	198	1	100	2.4	1361	PASS
441	443	0.01	100	88.0	5750	PASS
442	198	40	100	61.5	35506	PASS
443	442	17	23	18.4	6535	PASS

Data File	Sample Number	Analysis Date:
5M64792.D	CAL BNA@50PPM	02/22/11 07:57
5M64793.D	WMB4565	02/22/11 08:38
5M64794.D	WMB4565(MS)	02/22/11 09:02
5M64795.D	WMB4567(MS)	02/22/11 09:25
5M64796.D	WMB4567	02/22/11 09:49
5M64797.D	AC57285-005	02/22/11 10:12
5M64798.D	AC57285-005(MS)	02/22/11 10:36
5M64799.D	AC57285-005(MSD	02/22/11 10:59
5M64800.D	AC57285-010(5X)	02/22/11 11:22
5M64801.D	AC57285-004	02/22/11 11:46
5M64802.D	AC57285-007	02/22/11 12:09
5M64803.D	AC57285-008	02/22/11 12:33
5M64804.D	WMB4569(MS)	02/22/11 12:56
5M64805.D	WMB4569	02/22/11 13:20
5M64806.D	AC57306-002	02/22/11 13:43
5M64807.D	AC57306-003(MS:	02/22/11 14:07
5M64808.D	AC57306-004(MSD	02/22/11 14:30
5M64809.D	AC57285-009	02/22/11 14:54
5M64810.D	AC57285-003	02/22/11 15:18
5M64813.D	AC57290-004	02/22/11 16:29

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Data File : 5M64791.D
Acq On : 22 Feb 2011 7:27
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.556 to 9.567 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	29999	PASS
68	69	0.00	2	1.4	383	PASS
69	198	0.00	100	48.7	28112	PASS
70	69	0.00	2	0.7	211	PASS
127	198	40	60	55.8	32208	PASS
197	198	0.00	1	0.2	93	PASS
198	198	100	100	100.0	57735	PASS
199	198	5	9	7.0	4026	PASS
275	198	10	30	17.1	9870	PASS
365	198	1	100	2.4	1361	PASS
441	443	0.01	100	88.0	5750	PASS
442	198	40	100	61.5	35506	PASS
443	442	17	23	18.4	6535	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19508.D
Instrument: GCMS 10 **Analysis Date:** 02/22/11 08:34
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.800 min

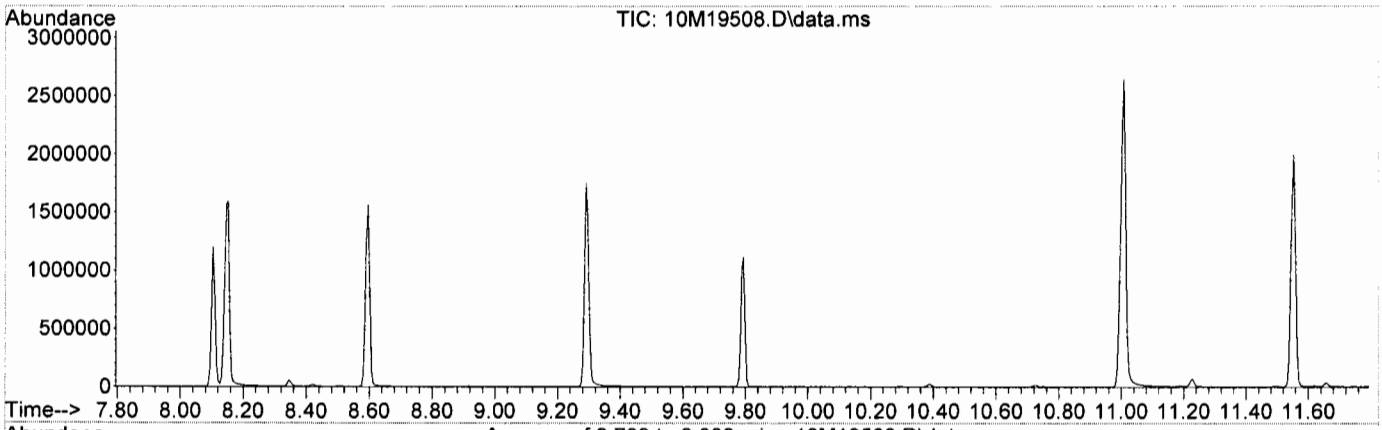
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.9	58576	PASS
68	69	0.00	2	1.7	828	PASS
69	198	0.00	100	49.2	49739	PASS
70	69	0.00	2	0.7	346	PASS
127	198	40	60	56.2	56832	PASS
197	198	0.00	1	0.8	854	PASS
198	198	100	100	100.0	101192	PASS
199	198	5	9	6.7	6778	PASS
275	198	10	30	19.6	19845	PASS
365	198	1	100	2.3	2292	PASS
441	443	0.01	100	72.5	7491	PASS
442	198	40	100	49.8	50416	PASS
443	442	17	23	20.5	10328	PASS

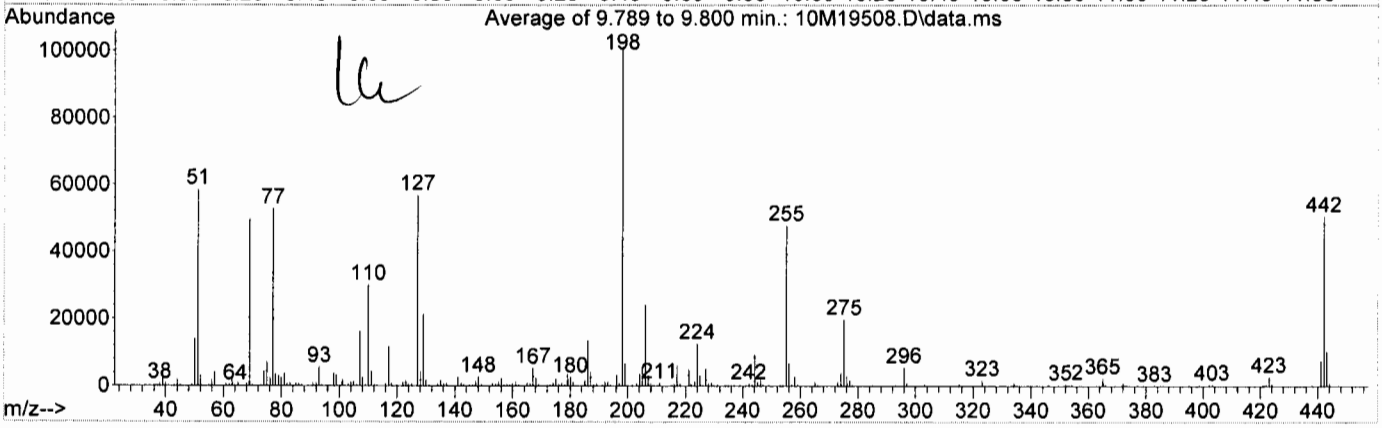
Data File	Sample Number	Analysis Date:
10M19509.D	CAL BNA@50PPM	02/22/11 08:56
10M19510.D	WMB4565	02/22/11 09:48
10M19511.D	AC57098-005(T)(R	02/22/11 10:10
10M19512.D	AC57098-006(T)(R	02/22/11 10:32
10M19513.D	AC57098-007(T)(R	02/22/11 10:54
10M19514.D	AC57100-006(T)(R	02/22/11 11:17
10M19515.D	AC57100-007(T)(R	02/22/11 11:39
10M19516.D	AC57100-008(T)(R	02/22/11 12:01
10M19517.D	EF-3 V-1014(02/15	02/22/11 12:23
10M19518.D	AC57100-006(T)(R	02/22/11 12:45
10M19519.D	EF-3 V-1014(02/16	02/22/11 13:07
10M19520.D	EF-3 V-1014(02/17	02/22/11 13:30
10M19521.D	WMB4567	02/22/11 13:52

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Data File : 10M19508.D
Acq On : 22 Feb 2011 8:34
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\MethodQt\10M_0209.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Feb 09 13:34:12 2011





Spectrum Information: Average of 9.789 to 9.800 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.9	58576	PASS
68	69	0.00	2	1.7	828	PASS
69	198	0.00	100	49.2	49739	PASS
70	69	0.00	2	0.7	346	PASS
127	198	40	60	56.2	56832	PASS
197	198	0.00	1	0.8	854	PASS
198	198	100	100	100.0	101192	PASS
199	198	5	9	6.7	6778	PASS
275	198	10	30	19.6	19845	PASS
365	198	1	100	2.3	2292	PASS
441	443	0.01	100	72.5	7491	PASS
442	198	40	100	49.8	50416	PASS
443	442	17	23	20.5	10328	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64835.D
Analysis Date: 02/24/11 07:39
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.549 to 9.560 min

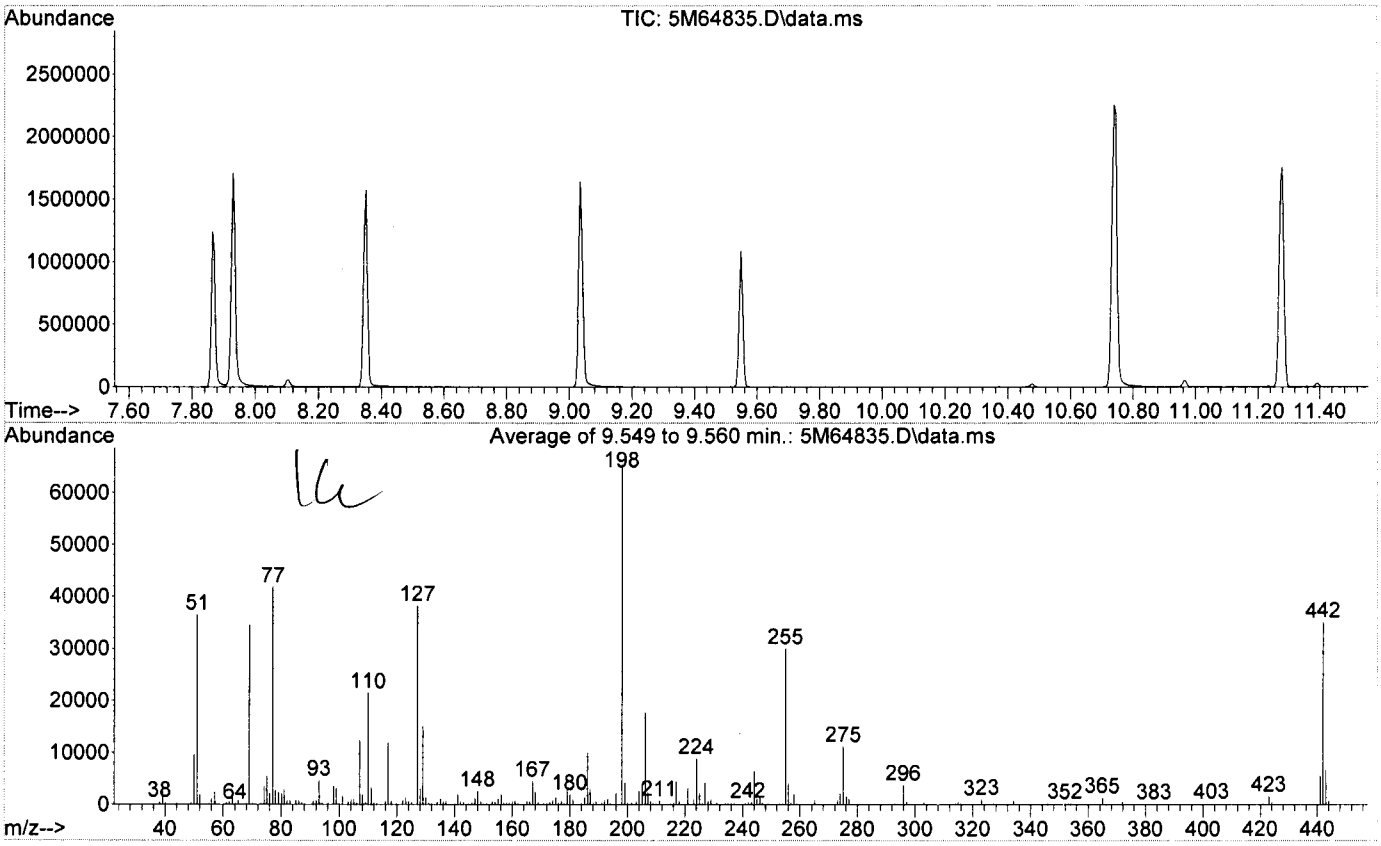
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.8	36480	PASS
68	69	0.00	2	0.7	231	PASS
69	198	0.00	100	52.8	34516	PASS
70	69	0.00	2	0.5	182	PASS
127	198	40	60	58.4	38192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65354	PASS
199	198	5	9	6.5	4222	PASS
275	198	10	30	17.1	11188	PASS
365	198	1	100	2.0	1296	PASS
441	443	0.01	100	83.7	5549	PASS
442	198	40	100	53.6	35012	PASS
443	442	17	23	18.9	6632	PASS

Data File	Sample Number	Analysis Date:
5M64836.D	CAL BNA@50PPM	02/24/11 09:54
5M64837.D	WMB4585(MS)	02/24/11 10:18
5M64838.D	WMB4585	02/24/11 10:42
5M64839.D	AC57098-010(T)	02/24/11 11:05
5M64840.D	AC57098-010(T)(M	02/24/11 11:28
5M64841.D	AC57098-010(T)(M	02/24/11 11:52
5M64842.D	AC57098-008(T)	02/24/11 12:15
5M64843.D	AC57098-009(T)	02/24/11 12:39
5M64844.D	AC57098-011(T)	02/24/11 13:03
5M64845.D	AC57100-011(T)	02/24/11 13:26
5M64846.D	WMB4595(MS)	02/24/11 13:50
5M64847.D	WMB4595	02/24/11 14:13
5M64848.D	AC57252-002(T)	02/24/11 14:37
5M64849.D	AC57100-012(T)	02/24/11 15:01
5M64850.D	EF-3 V-1014(02/18	02/24/11 15:24
5M64851.D	EF-3 V-1014(02/19	02/24/11 15:48
5M64852.D	EF-3 V-1014(02/20	02/24/11 16:11
5M64853.D	EF-3 V-1014(02/21	02/24/11 16:35
5M64854.D	AC57263-001(T)	02/24/11 16:59
5M64855.D	AC57263-001(T)(M	02/24/11 17:22
5M64856.D	AC57263-001(T)(M	02/24/11 17:46
5M64857.D	AC57382-002(10X)	02/24/11 18:09
5M64858.D	AC57228-003(T)	02/24/11 18:32
5M64859.D	AC57212-002(T)	02/24/11 18:55
5M64860.D	EF-SPLP V-10679	02/24/11 19:19
5M64861.D	EF-1 V-108537(02/	02/24/11 19:42
5M64862.D	AC57332-001(R)	02/24/11 20:06
5M64863.D	AC57374-001	02/24/11 20:29
5M64864.D	AC57374-002	02/24/11 20:52
5M64865.D	AC57374-003	02/24/11 21:16
5M64866.D	AC57374-004	02/24/11 21:39
5M64867.D	AC57374-005	02/24/11 22:02
5M64868.D	AC57374-006	02/24/11 22:25

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Data File : 5M64835.D
Acq On : 24 Feb 2011 7:39
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.549 to 9.560 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.8	36480	PASS
68	69	0.00	2	0.7	231	PASS
69	198	0.00	100	52.8	34516	PASS
70	69	0.00	2	0.5	182	PASS
127	198	40	60	58.4	38192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65354	PASS
199	198	5	9	6.5	4222	PASS
275	198	10	30	17.1	11188	PASS
365	198	1	100	2.0	1296	PASS
441	443	0.01	100	83.7	5549	PASS
442	198	40	100	53.6	35012	PASS
443	442	17	23	18.9	6632	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32489.D
Instrument: GCMS 9 **Analysis Date:** 02/28/11 09:50
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.645 to 9.655 min

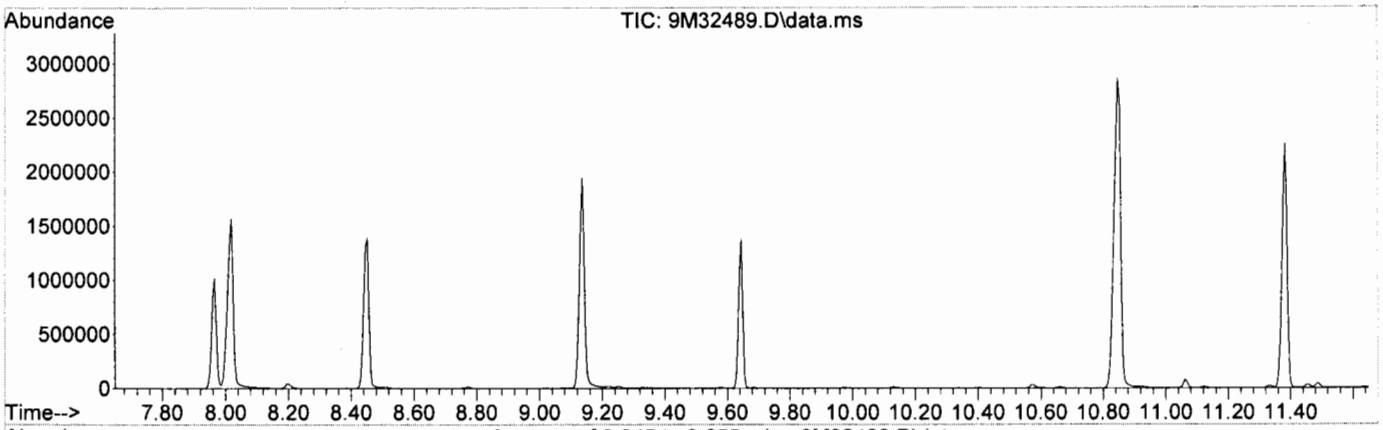
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.3	37043	PASS
68	69	0.00	2	1.8	732	PASS
69	198	0.00	100	44.9	40285	PASS
70	69	0.00	2	0.7	285	PASS
127	198	40	60	55.0	49262	PASS
197	198	0.00	1	0.5	432	PASS
198	198	100	100	100.0	89626	PASS
199	198	5	9	6.6	5955	PASS
275	198	10	30	20.1	18002	PASS
365	198	1	100	2.1	1849	PASS
441	443	0.01	100	78.9	5450	PASS
442	198	40	100	40.6	36378	PASS
443	442	17	23	19.0	6906	PASS

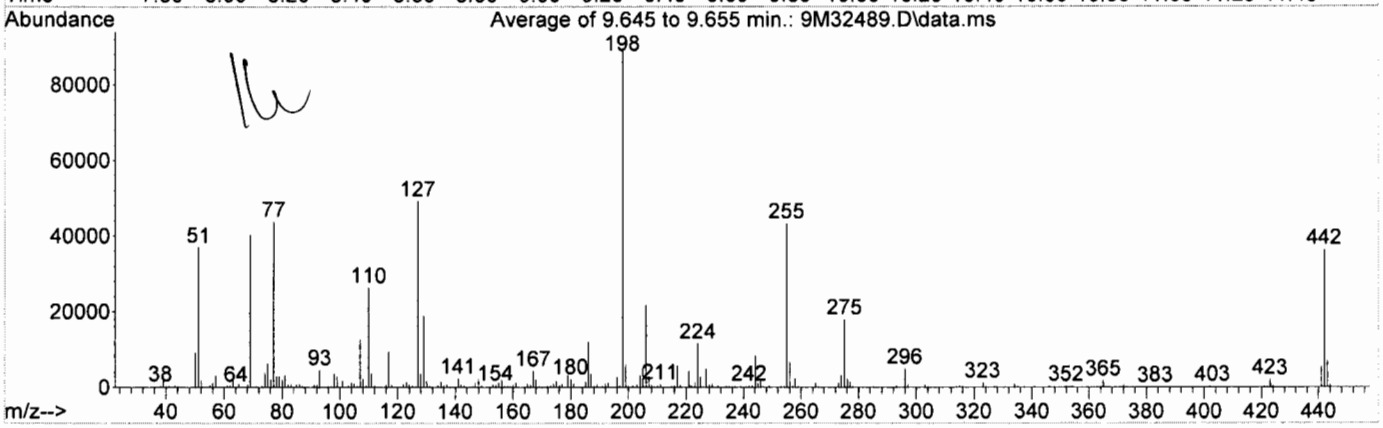
Data File	Sample Number	Analysis Date:
9M32490.D	CAL BNA@50PPM	02/28/11 10:32
9M32491.D	CAL BNA@2PPM	02/28/11 10:55
9M32492.D	CAL BNA@.5PPM	02/28/11 11:18
9M32493.D	CAL BNA@10PPM	02/28/11 11:42
9M32494.D	CAL BNA@20PPM	02/28/11 12:05
9M32495.D	CAL BNA@80PPM	02/28/11 12:29
9M32496.D	CAL BNA@120PP	02/28/11 12:52
9M32497.D	CAL BNA@160PP	02/28/11 13:33
9M32498.D	CAL BNA@196PP	02/28/11 13:57
9M32499.D	CAL BNA@50PPM	02/28/11 14:20
9M32500.D	ICV BNA@50PPM	02/28/11 14:44
9M32501.D	TEST	02/28/11 15:54
9M32502.D	SMB4591	02/28/11 16:17
9M32503.D	AC57463-012	02/28/11 16:41
9M32504.D	AC57463-013	02/28/11 17:04
9M32505.D	AC57459-001	02/28/11 17:28
9M32506.D	AC57459-002	02/28/11 17:51
9M32507.D	AC57459-003	02/28/11 18:15
9M32508.D	AC57459-004	02/28/11 18:38
9M32509.D	AC57463-005	02/28/11 19:01
9M32510.D	AC57463-006	02/28/11 19:25
9M32511.D	AC57359-002	02/28/11 19:48
9M32512.D	AC57328-004	02/28/11 20:12

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Data File : 9M32489.D
Acq On : 28 Feb 2011 9:50
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0209.M
Title : @GCMS_9,mg,625,8270
Last Update : Wed Feb 09 13:45:56 2011





Spectrum Information: Average of 9.645 to 9.655 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.3	37043	PASS
68	69	0.00	2	1.8	732	PASS
69	198	0.00	100	44.9	40285	PASS
70	69	0.00	2	0.7	285	PASS
127	198	40	60	55.0	49262	PASS
197	198	0.00	1	0.5	432	PASS
198	198	100	100	100.0	89626	PASS
199	198	5	9	6.6	5955	PASS
275	198	10	30	20.1	18002	PASS
365	198	1	100	2.1	1849	PASS
441	443	0.01	100	78.9	5450	PASS
442	198	40	100	40.6	36378	PASS
443	442	17	23	19.0	6906	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64932.D
Analysis Date: 03/01/11 09:14
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.538 to 9.544 min

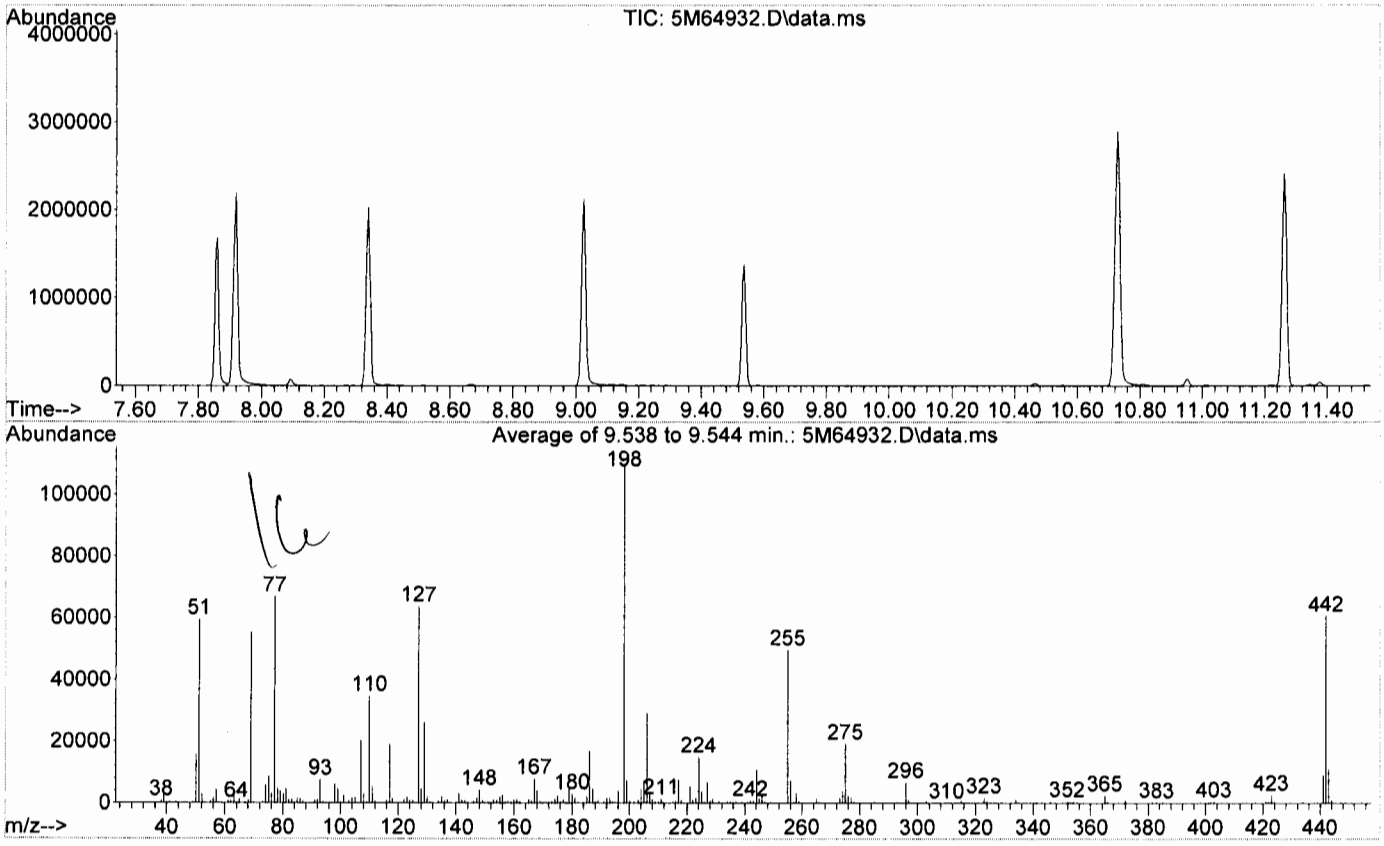
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.1	59476	PASS
68	69	0.00	2	1.7	952	PASS
69	198	0.00	100	50.3	55244	PASS
70	69	0.00	2	0.7	363	PASS
127	198	40	60	58.0	63748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109928	PASS
199	198	5	9	6.6	7251	PASS
275	198	10	30	17.4	19125	PASS
365	198	1	100	2.2	2465	PASS
441	443	0.01	100	81.0	8922	PASS
442	198	40	100	55.1	60524	PASS
443	442	17	23	18.2	11009	PASS

Data File	Sample Number	Analysis Date:
5M64933.D	CAL BNA@50PPM	03/01/11 09:38
5M64934.D	WMB4624	03/01/11 10:06
5M64935.D	AC57098-012(T)	03/01/11 10:29
5M64936.D	AC57098-013(T)	03/01/11 10:53
5M64937.D	AC57098-014(T)	03/01/11 11:17
5M64938.D	AC57098-015(T)	03/01/11 11:41
5M64939.D	AC57100-013(T)	03/01/11 12:04
5M64940.D	AC57100-014(T)	03/01/11 12:28
5M64941.D	AC57100-015(T)	03/01/11 12:51
5M64942.D	AC57100-016(T)	03/01/11 13:15
5M64943.D	AC57330-003(T)	03/01/11 13:39
5M64944.D	EF-2 V-109145(02/	03/01/11 14:03
5M64945.D	EF-3 V-1014(02/22	03/01/11 14:26
5M64946.D	EF-3 V-1014(02/23	03/01/11 14:50
5M64947.D	EF-3 V-1014(02/24	03/01/11 15:14
5M64948.D	EF-3 V-1014(02/25	03/01/11 15:38
5M64949.D	WMB4625	03/01/11 16:02
5M64950.D	SMB4620	03/01/11 16:25
5M64951.D	AC57446-009	03/01/11 16:49
5M64952.D	AC57446-011	03/01/11 17:12
5M64953.D	AC57446-013	03/01/11 17:36
5M64954.D	AC57446-020	03/01/11 18:00
5M64955.D	AC57446-003	03/01/11 18:24
5M64956.D	AC57487-011	03/01/11 18:47
5M64957.D	AC57487-013	03/01/11 19:11
5M64958.D	AC57487-003	03/01/11 19:34
5M64959.D	AC57487-007	03/01/11 19:58
5M64960.D	TEST-1	03/01/11 20:21
5M64961.D	TEST-2(G)	03/01/11 20:44

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Data File : 5M64932.D
Acq On : 1 Mar 2011 9:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.538 to 9.544 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.1	59476	PASS
68	69	0.00	2	1.7	952	PASS
69	198	0.00	100	50.3	55244	PASS
70	69	0.00	2	0.7	363	PASS
127	198	40	60	58.0	63748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109928	PASS
199	198	5	9	6.6	7251	PASS
275	198	10	30	17.4	19125	PASS
365	198	1	100	2.2	2465	PASS
441	443	0.01	100	81.0	8922	PASS
442	198	40	100	55.1	60524	PASS
443	442	17	23	18.2	11009	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32513.D
Instrument: GCMS 9 **Analysis Date:** 03/01/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.639 to 9.650 min

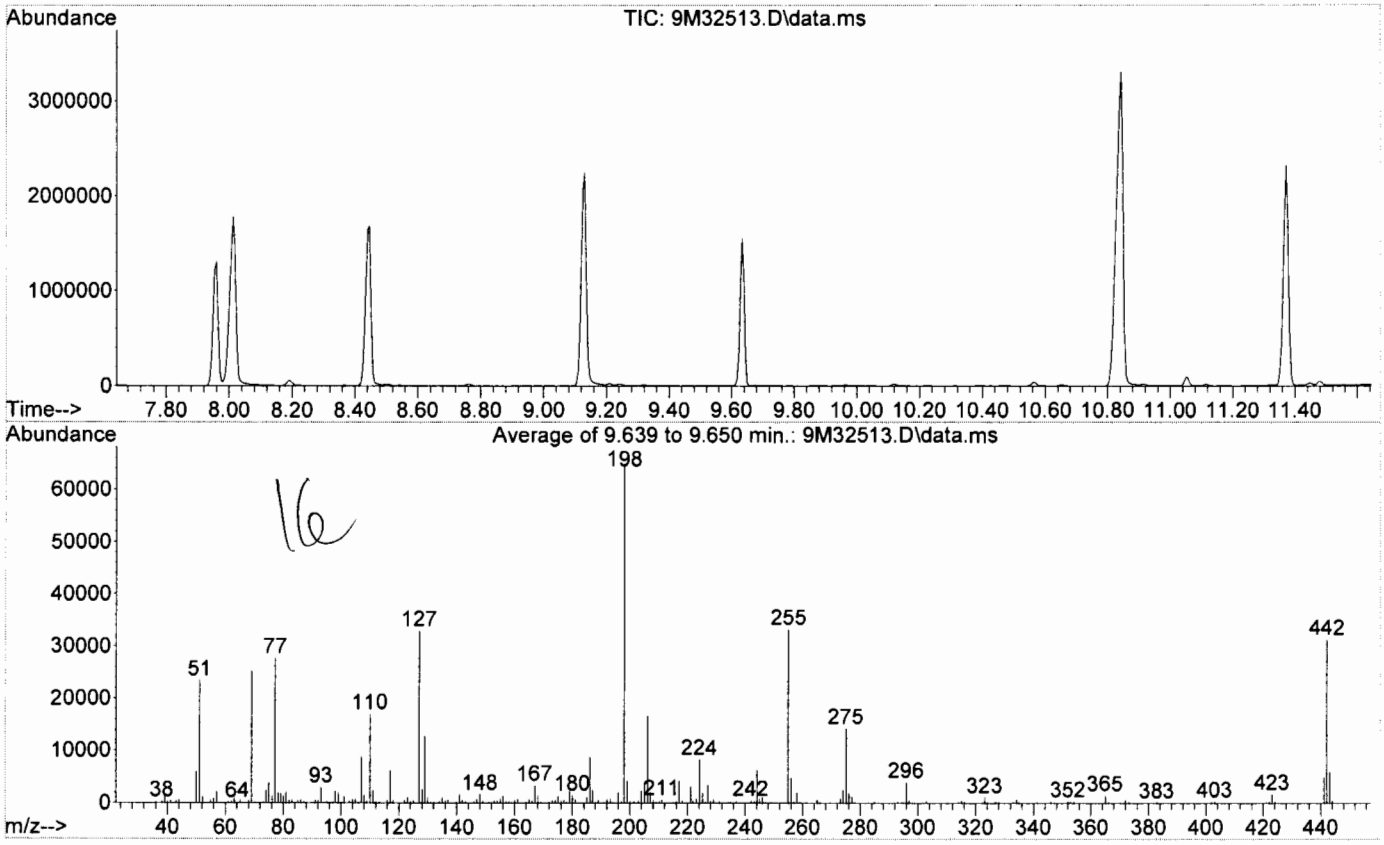
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.1	23457	PASS
68	69	0.00	2	1.8	467	PASS
69	198	0.00	100	38.9	25239	PASS
70	69	0.00	2	0.7	186	PASS
127	198	40	60	50.7	32930	PASS
197	198	0.00	1	0.4	279	PASS
198	198	100	100	100.0	64889	PASS
199	198	5	9	6.5	4211	PASS
275	198	10	30	22.0	14272	PASS
365	198	1	100	2.2	1452	PASS
441	443	0.01	100	83.7	4979	PASS
442	198	40	100	48.3	31314	PASS
443	442	17	23	19.0	5950	PASS

Data File	Sample Number	Analysis Date:
9M32514.D	CAL BNA@50PPM	03/01/11 09:41
9M32515.D	WMB4624(MS)	03/01/11 10:05
9M32516.D	WMB4624	03/01/11 10:28
9M32517.D	WMB4616	03/01/11 10:52
9M32518.D	WMB4616(MS)	03/01/11 11:15
9M32519.D	AC57433-002	03/01/11 11:38
9M32520.D	AC57433-002(MS)	03/01/11 12:01
9M32521.D	AC57433-002(MSD	03/01/11 12:24
9M32522.D	WMB4625(MS)	03/01/11 12:47
9M32523.D	WMB4625	03/01/11 13:11
9M32524.D	AC57446-005	03/01/11 13:34
9M32525.D	AC57446-007	03/01/11 13:57
9M32526.D	AC57446-016	03/01/11 14:20
9M32527.D	AC57446-018	03/01/11 14:44
9M32528.D	AC57359-002(5X)	03/01/11 15:07
9M32529.D	AC57446-001	03/01/11 15:30
9M32530.D	AC57446-001(MS)	03/01/11 15:53
9M32531.D	AC57487-031(3X)	03/01/11 16:16
9M32532.D	SMB4620(MS)	03/01/11 16:40
9M32533.D	SMB4620	03/01/11 17:03
9M32534.D	AC57446-001(MSD	03/01/11 17:26
9M32535.D	AC57487-031(3X)(	03/01/11 17:49
9M32536.D	AC57487-031(3X)(	03/01/11 18:12
9M32537.D	AC57487-009	03/01/11 18:36
9M32538.D	AC57487-015	03/01/11 18:59
9M32539.D	AC57487-017	03/01/11 19:22
9M32540.D	AC57446-007(3X)	03/01/11 19:45
9M32541.D	AC57446-016(10X)	03/01/11 20:08
9M32542.D	AC57446-018(200	03/01/11 20:31
9M32543.D	AC57411-006(R)	03/01/11 20:54
9M32544.D	AC57433-001	03/01/11 21:17
9M32545.D	AC57424-001	03/01/11 21:40
9M32546.D	AC57424-002	03/01/11 22:04
9M32547.D	AC57450-001	03/01/11 22:27
9M32548.D	AC57450-002	03/01/11 22:50
9M32549.D	AC57450-003	03/01/11 23:13
9M32550.D	AC57450-004	03/01/11 23:36
9M32551.D	AC57450-005	03/01/11 23:59
9M32552.D	AC57437-002	03/02/11 00:22
9M32553.D	AC57437-004	03/02/11 00:45
9M32554.D	AC57437-006	03/02/11 01:08
9M32555.D	AC57437-008	03/02/11 01:32

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Data File : 9M32513.D
Acq On : 1 Mar 2011 9:18
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0228.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Feb 28 14:40:33 2011



Spectrum Information: Average of 9.639 to 9.650 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.1	23457	PASS
68	69	0.00	2	1.8	467	PASS
69	198	0.00	100	38.9	25239	PASS
70	69	0.00	2	0.7	186	PASS
127	198	40	60	50.7	32930	PASS
197	198	0.00	1	0.4	279	PASS
198	198	100	100	100.0	64889	PASS
199	198	5	9	6.5	4211	PASS
275	198	10	30	22.0	14272	PASS
365	198	1	100	2.2	1452	PASS
441	443	0.01	100	83.7	4979	PASS
442	198	40	100	48.3	31314	PASS
443	442	17	23	19.0	5950	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19637.D
Analysis Date: 03/02/11 13:17
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.795 min

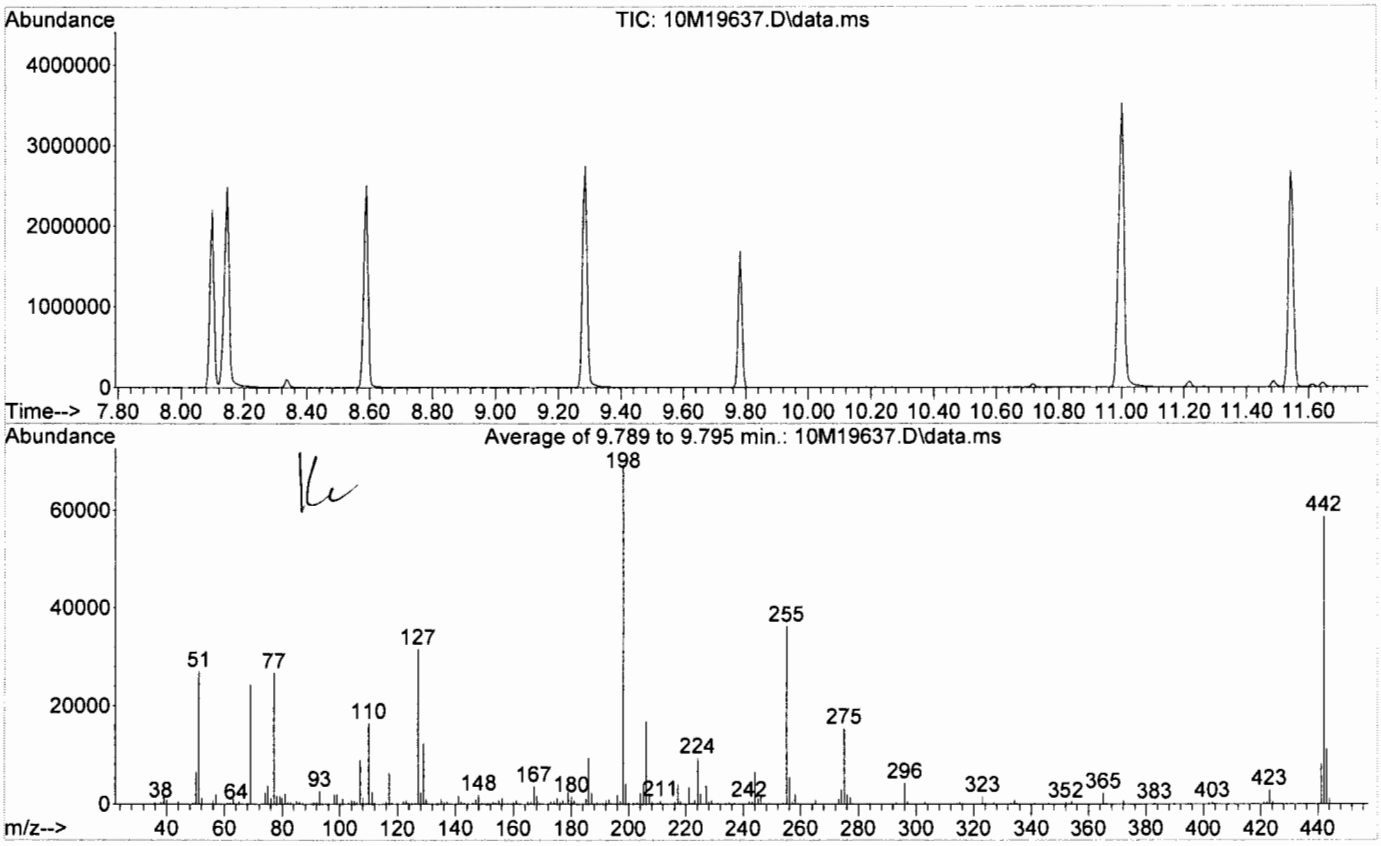
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	39.1	27098	PASS
68	69	0.00	2	0.9	222	PASS
69	198	0.00	100	35.2	24393	PASS
70	69	0.00	2	0.5	124	PASS
127	198	40	60	45.7	31615	PASS
197	198	0.00	1	0.9	628	PASS
198	198	100	100	100.0	69232	PASS
199	198	5	9	6.0	4139	PASS
275	198	10	30	22.3	15417	PASS
365	198	1	100	3.2	2239	PASS
441	443	0.01	100	73.1	8163	PASS
442	198	40	100	84.8	58700	PASS
443	442	17	23	19.0	11160	PASS

Data File	Sample Number	Analysis Date:
10M19638.D	CAL BNA@50PPM	03/02/11 14:04
10M19639.D	CAL BNA@2PPM	03/02/11 15:31
10M19640.D	CAL BNA@.5PPM	03/02/11 15:54
10M19641.D	CAL BNA@10PPM	03/02/11 16:16
10M19642.D	CAL BNA@20PPM	03/02/11 16:38
10M19643.D	CAL BNA@80PPM	03/02/11 17:00
10M19644.D	CAL BNA@120PP	03/02/11 17:22
10M19645.D	CAL BNA@160PP	03/02/11 17:45
10M19646.D	CAL BNA@196PP	03/02/11 18:07
10M19647.D	ICV BNA@50PPM	03/02/11 18:29
10M19648.D	SMB4620	03/02/11 19:54
10M19649.D	WMB4634	03/02/11 20:16
10M19650.D	AC57417-002	03/02/11 20:38
10M19651.D	AC57417-005	03/02/11 21:01
10M19652.D	AC57445-002	03/02/11 21:23
10M19653.D	AC57445-006	03/02/11 21:45
10M19654.D	AC57481-002	03/02/11 22:07
10M19655.D	AC57481-003	03/02/11 22:30
10M19656.D	AC57481-006	03/02/11 22:52
10M19657.D	AC57494-002	03/02/11 23:14
10M19658.D	AC57494-005	03/02/11 23:36

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Data File : 10M19637.D
Acq On : 2 Mar 2011 13:17
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT2.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_302.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Mar 02 19:34:58 2011



Spectrum Information: Average of 9.789 to 9.795 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.1	27098	PASS
68	69	0.00	2	0.9	222	PASS
69	198	0.00	100	35.2	24393	PASS
70	69	0.00	2	0.5	124	PASS
127	198	40	60	45.7	31615	PASS
197	198	0.00	1	0.9	628	PASS
198	198	100	100	100.0	69232	PASS
199	198	5	9	6.0	4139	PASS
275	198	10	30	22.3	15417	PASS
365	198	1	100	3.2	2239	PASS
441	443	0.01	100	73.1	8163	PASS
442	198	40	100	84.8	58700	PASS
443	442	17	23	19.0	11160	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64979.D
Analysis Date: 03/03/11 09:17
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.538 to 9.549 min

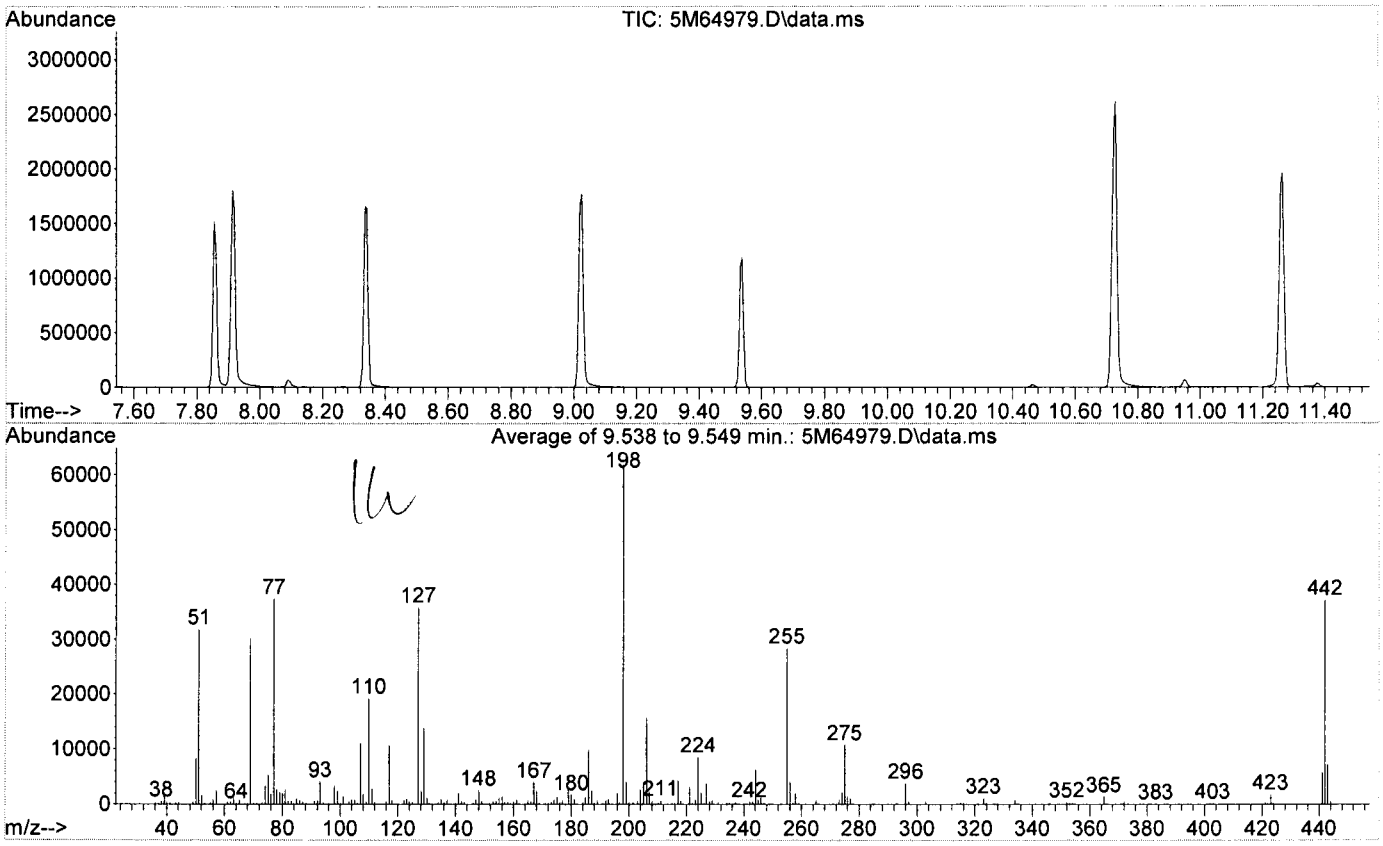
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.4	31792	PASS
68	69	0.00	2	0.5	145	PASS
69	198	0.00	100	48.7	30101	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	58.0	35822	PASS
197	198	0.00	1	0.6	356	PASS
198	198	100	100	100.0	61808	PASS
199	198	5	9	6.7	4148	PASS
275	198	10	30	17.5	10828	PASS
365	198	1	100	2.2	1390	PASS
441	443	0.01	100	80.1	5785	PASS
442	198	40	100	60.1	37158	PASS
443	442	17	23	19.4	7226	PASS

Data File	Sample Number	Analysis Date:
5M64980.D	CAL BNA@50PPM	03/03/11 09:47
5M64981.D	CAL BNA@2PPM	03/03/11 10:16
5M64982.D	CAL BNA@.5PPM	03/03/11 10:40
5M64983.D	CAL BNA@10PPM	03/03/11 11:04
5M64984.D	CAL BNA@20PPM	03/03/11 11:28
5M64985.D	CAL BNA@80PPM	03/03/11 11:52
5M64986.D	CAL BNA@120PP	03/03/11 12:16
5M64987.D	CAL BNA@160PP	03/03/11 12:40
5M64988.D	CAL BNA@196PP	03/03/11 13:04
5M64989.D	CAL BNA@50PPM	03/03/11 13:27
5M64990.D	CAL BNA@2PPM	03/03/11 16:15
5M64991.D	CAL BNA@10PPM	03/03/11 16:38
5M64992.D	ICV BNA@50PPM	03/03/11 17:06

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Data File : 5M64979.D
Acq On : 3 Mar 2011 9:17
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT2.P

Method : G:\GCMSDATA\2011\GCMS_5\METHODQT\5M_302.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Mar 02 17:57:24 2011



Spectrum Information: Average of 9.538 to 9.549 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.4	31792	PASS
68	69	0.00	2	0.5	145	PASS
69	198	0.00	100	48.7	30101	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	58.0	35822	PASS
197	198	0.00	1	0.6	356	PASS
198	198	100	100	100.0	61808	PASS
199	198	5	9	6.7	4148	PASS
275	198	10	30	17.5	10828	PASS
365	198	1	100	2.2	1390	PASS
441	443	0.01	100	80.1	5785	PASS
442	198	40	100	60.1	37158	PASS
443	442	17	23	19.4	7226	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M65029.D
Instrument: GCMS 5 **Analysis Date:** 03/04/11 09:54
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.533 to 9.538 min

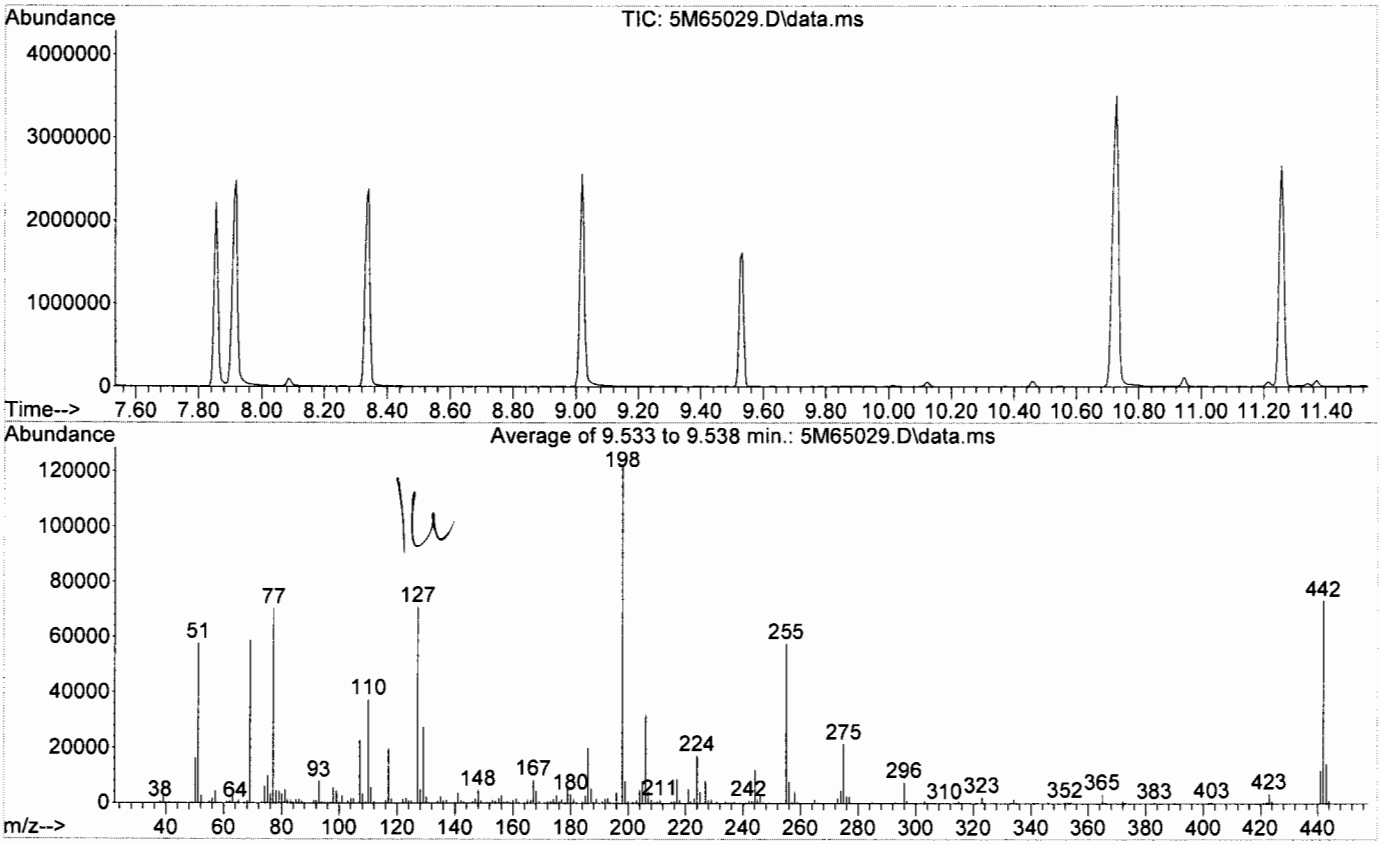
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	47.1	57764	PASS
68	69	0.00	2	1.6	926	PASS
69	198	0.00	100	48.0	58892	PASS
70	69	0.00	2	0.7	398	PASS
127	198	40	60	57.8	70908	PASS
197	198	0.00	1	0.2	291	PASS
198	198	100	100	100.0	122584	PASS
199	198	5	9	6.5	8015	PASS
275	198	10	30	17.5	21440	PASS
365	198	1	100	2.7	3365	PASS
441	443	0.01	100	82.1	11740	PASS
442	198	40	100	59.7	73220	PASS
443	442	17	23	19.5	14303	PASS

Data File	Sample Number	Analysis Date:
5M65030.D	CAL BNA@50PPM	03/04/11 10:17
5M65031.D	WMB4657(MS)	03/04/11 10:43
5M65032.D	WMB4657	03/04/11 11:08
5M65033.D	SMB4643	03/04/11 11:31
5M65034.D	AC57497-004	03/04/11 11:55
5M65035.D	WMB4657(MS)	03/04/11 12:18
5M65036.D	AC57497-014	03/04/11 12:42
5M65037.D	AC57497-013(3X)	03/04/11 13:05
5M65038.D	SMB4662(MS)	03/04/11 13:29
5M65039.D	SMB4662	03/04/11 13:53
5M65040.D	AC57526-001	03/04/11 14:16
5M65041.D	AC57526-002	03/04/11 14:39
5M65042.D	AC57526-003	03/04/11 15:03
5M65043.D	AC57526-004	03/04/11 15:26
5M65044.D	AC57526-005	03/04/11 15:50
5M65045.D	AC57526-006	03/04/11 16:14
5M65046.D	AC57526-007	03/04/11 16:37
5M65047.D	AC57497-006(2X)	03/04/11 17:01
5M65048.D	AC57507-005(15X)	03/04/11 17:25
5M65049.D	AC57391-012(10X)	03/04/11 17:49
5M65050.D	AC57500-001(3X)	03/04/11 18:12
5M65051.D	AC57527-001	03/04/11 18:35
5M65052.D	WMB4661	03/04/11 18:59
5M65053.D	AC57481-006(R)	03/04/11 19:22
5M65054.D	AC57417-002(R)	03/04/11 19:46
5M65055.D	AC57494-002(R)	03/04/11 20:09
5M65056.D	AC57527-002	03/04/11 20:33
5M65057.D	AC57527-003	03/04/11 20:56
5M65058.D	AC57527-004	03/04/11 21:19
5M65059.D	AC57527-005	03/04/11 21:43

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Data File : 5M65029.D
Acq On : 4 Mar 2011 9:54
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT42.P

Method : G:\GCMSDATA\2011\GCMS_5\METHODQT\5M_303.M
Title : @GCMS_5,mg,625,8270
Last Update : Thu Mar 03 16:56:32 2011



Spectrum Information: Average of 9.533 to 9.538 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.1	57764	PASS
68	69	0.00	2	1.6	926	PASS
69	198	0.00	100	48.0	58892	PASS
70	69	0.00	2	0.7	398	PASS
127	198	40	60	57.8	70908	PASS
197	198	0.00	1	0.2	291	PASS
198	198	100	100	100.0	122584	PASS
199	198	5	9	6.5	8015	PASS
275	198	10	30	17.5	21440	PASS
365	198	1	100	2.7	3365	PASS
441	443	0.01	100	82.1	11740	PASS
442	198	40	100	59.7	73220	PASS
443	442	17	23	19.5	14303	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19708.D
Instrument: GCMS 10 **Analysis Date:** 03/04/11 09:58
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.779 to 9.784 min

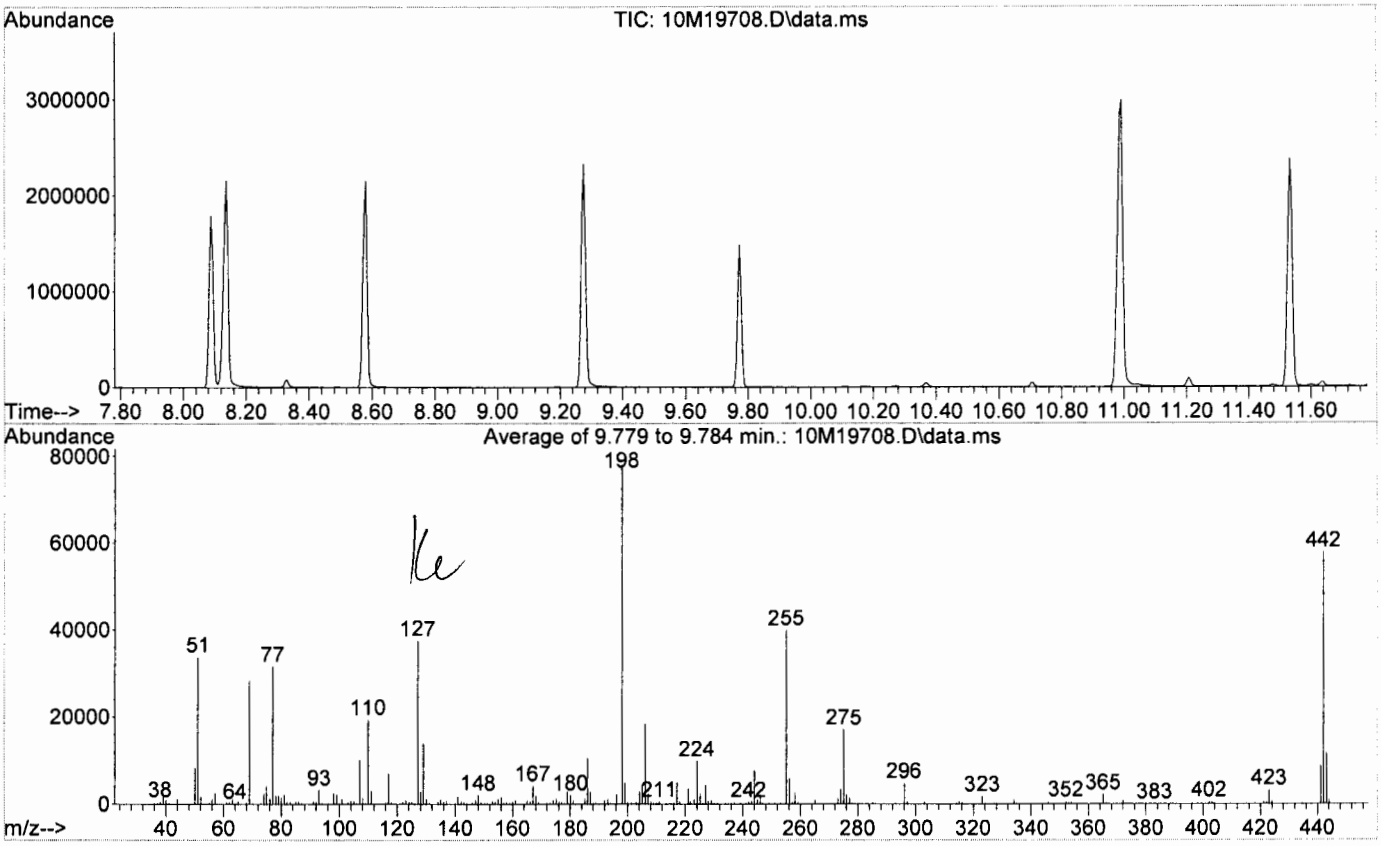
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	43.3	33766	PASS
68	69	0.00	2	1.2	347	PASS
69	198	0.00	100	36.5	28420	PASS
70	69	0.00	2	0.4	119	PASS
127	198	40	60	48.1	37485	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77892	PASS
199	198	5	9	6.3	4883	PASS
275	198	10	30	21.9	17062	PASS
365	198	1	100	2.8	2197	PASS
441	443	0.01	100	75.2	8690	PASS
442	198	40	100	74.2	57780	PASS
443	442	17	23	20.0	11562	PASS

Data File	Sample Number	Analysis Date:
10M19709.D	CAL BNA@50PPM	03/04/11 10:20
10M19710.D	WMB4656	03/04/11 10:42
10M19711.D	WMB4657	03/04/11 11:04
10M19712.D	AC57490-006(R)	03/04/11 11:27
10M19713.D	AC57098-016(T)	03/04/11 11:49
10M19714.D	AC57098-017(T)	03/04/11 12:11
10M19715.D	AC57098-018(T)	03/04/11 12:33
10M19716.D	WMB4661(MS)	03/04/11 12:55
10M19717.D	WMB4661	03/04/11 13:18
10M19718.D	AC57098-019(T)	03/04/11 13:40
10M19719.D	AC57098-020(T)	03/04/11 14:02
10M19720.D	AC57542-003	03/04/11 14:24
10M19721.D	AC57542-003(MS)	03/04/11 14:47
10M19722.D	AC57542-003(MSD	03/04/11 15:08
10M19723.D	AC57100-017(T)	03/04/11 15:31
10M19724.D	AC57100-018(T)	03/04/11 15:53
10M19725.D	AC57100-019(T)	03/04/11 16:15
10M19726.D	AC57100-020(T)	03/04/11 16:37
10M19727.D	AC57100-021(T)	03/04/11 16:59
10M19728.D	EF-3 V-1014(02/26	03/04/11 17:22
10M19729.D	EF-3 V-1014(02/27	03/04/11 17:44
10M19730.D	EF-3 V-1014(02/28	03/04/11 18:06
10M19731.D	EF-3 V-1014(03/01	03/04/11 18:28
10M19732.D	EF-3 V-1014(03/02	03/04/11 18:50
10M19733.D	EF-SPLP V-10913	03/04/11 19:13
10M19734.D	AC57497-012	03/04/11 19:35
10M19735.D	AC57342-002(T)	03/04/11 19:57
10M19736.D	AC57341-003(T)	03/04/11 20:19
10M19737.D	AC57498-002	03/04/11 20:41
10M19738.D	AC57484-002	03/04/11 21:03
10M19739.D	AC57484-003	03/04/11 21:25
10M19740.D	AC57485-002	03/04/11 21:47
10M19741.D	AC57472-001	03/04/11 22:10
10M19742.D	AC57472-002	03/04/11 22:32
10M19743.D	AC57517-001	03/04/11 22:54
10M19744.D	AC57517-002	03/04/11 23:16
10M19745.D	AC57542-002	03/04/11 23:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Data File : 10M19708.D
Acq On : 4 Mar 2011 9:58
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT2.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_302.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Mar 02 19:34:58 2011



Spectrum Information: Average of 9.779 to 9.784 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.3	33766	PASS
68	69	0.00	2	1.2	347	PASS
69	198	0.00	100	36.5	28420	PASS
70	69	0.00	2	0.4	119	PASS
127	198	40	60	48.1	37485	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77892	PASS
199	198	5	9	6.3	4883	PASS
275	198	10	30	21.9	17062	PASS
365	198	1	100	2.8	2197	PASS
441	443	0.01	100	75.2	8690	PASS
442	198	40	100	74.2	57780	PASS
443	442	17	23	20.0	11562	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4536
Client Id:
Data File: 5M64713.D
Analysis Date: 02/16/11 10:16
Date Rec/Extracted: NA-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182556

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

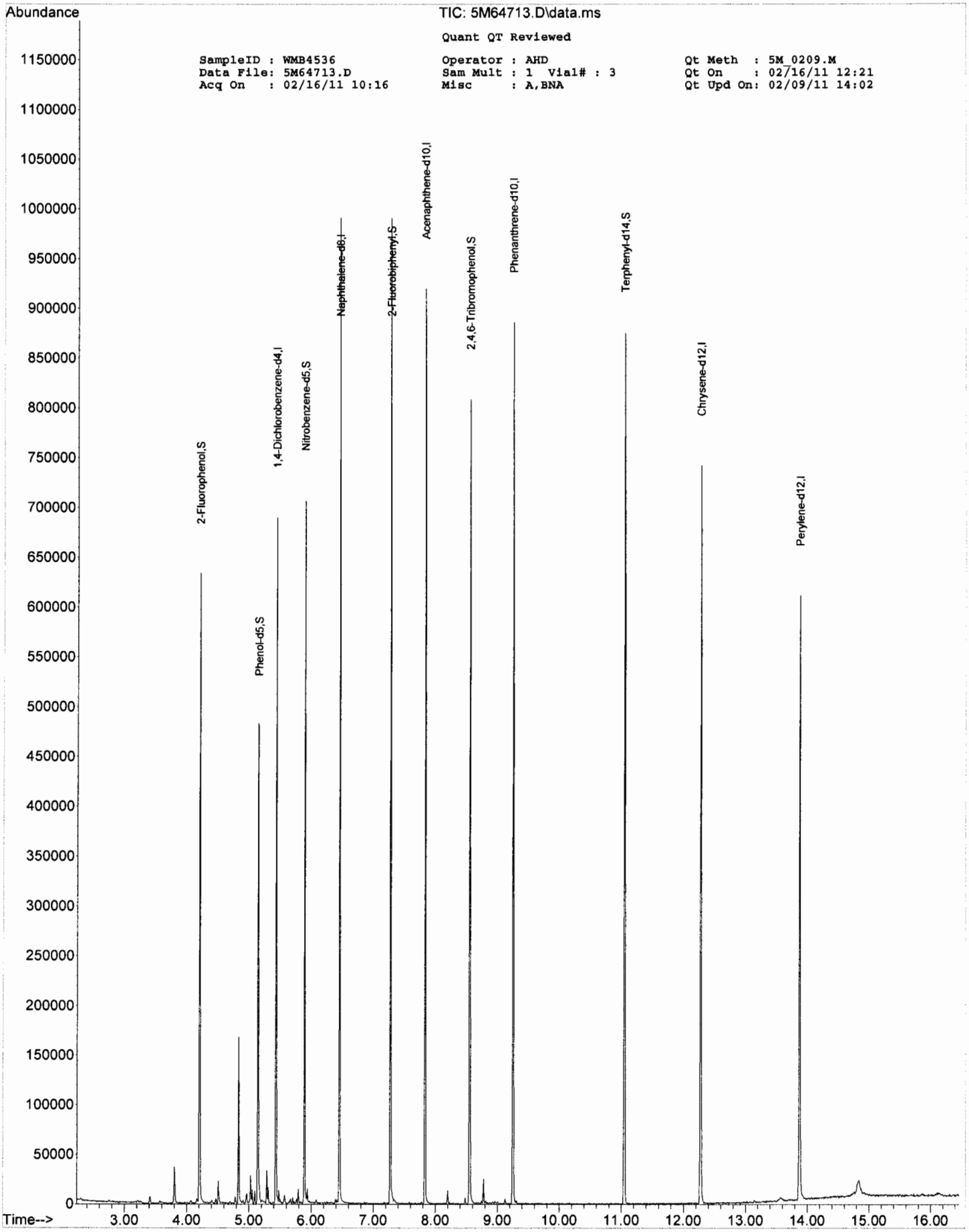
SampleID : WMB4536 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64713.D Sam Mult : 1 Vial# : 3 Qt On : 02/16/11 12:21
Acq On : 02/16/11 10:16 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	74271	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	298931	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	168448	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	288787	40.00	ng	-0.02
88) Chrysene-d12	12.275	240	228837	40.00	ng	-0.03
100) Perylene-d12	13.873	264	196289	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	151002	62.10	ng	-0.03
Spiked Amount 100.000			Recovery = 62.10%			
15) Phenol-d5	5.143	99	146452	42.67	ng	-0.02
Spiked Amount 100.000			Recovery = 42.67%			
30) Nitrobenzene-d5	5.891	128	65046	50.81	ng	-0.02
Spiked Amount 50.000			Recovery = 101.62%			
52) 2-Fluorobiphenyl	7.275	172	257680	48.45	ng	-0.01
Spiked Amount 50.000			Recovery = 96.90%			
77) 2,4,6-Tribromophenol	8.552	330	42017	100.04	ng	-0.02
Spiked Amount 100.000			Recovery = 100.04%			
91) Terphenyl-d14	11.052	244	239287	52.90	ng	-0.02
Spiked Amount 50.000			Recovery = 105.80%			

Target Compounds Qvalue

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


Abundance
TIC: 5M64713.D\data.ms
Quant QT Reviewed
SampleID : WMB4536
Data File: 5M64713.D
Acq On : 02/16/11 10:16
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:21
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/11)
Client Id:
Data File: 9M32373.D
Analysis Date: 02/17/11 12:01
Date Rec/Extracted: NA-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 181942

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

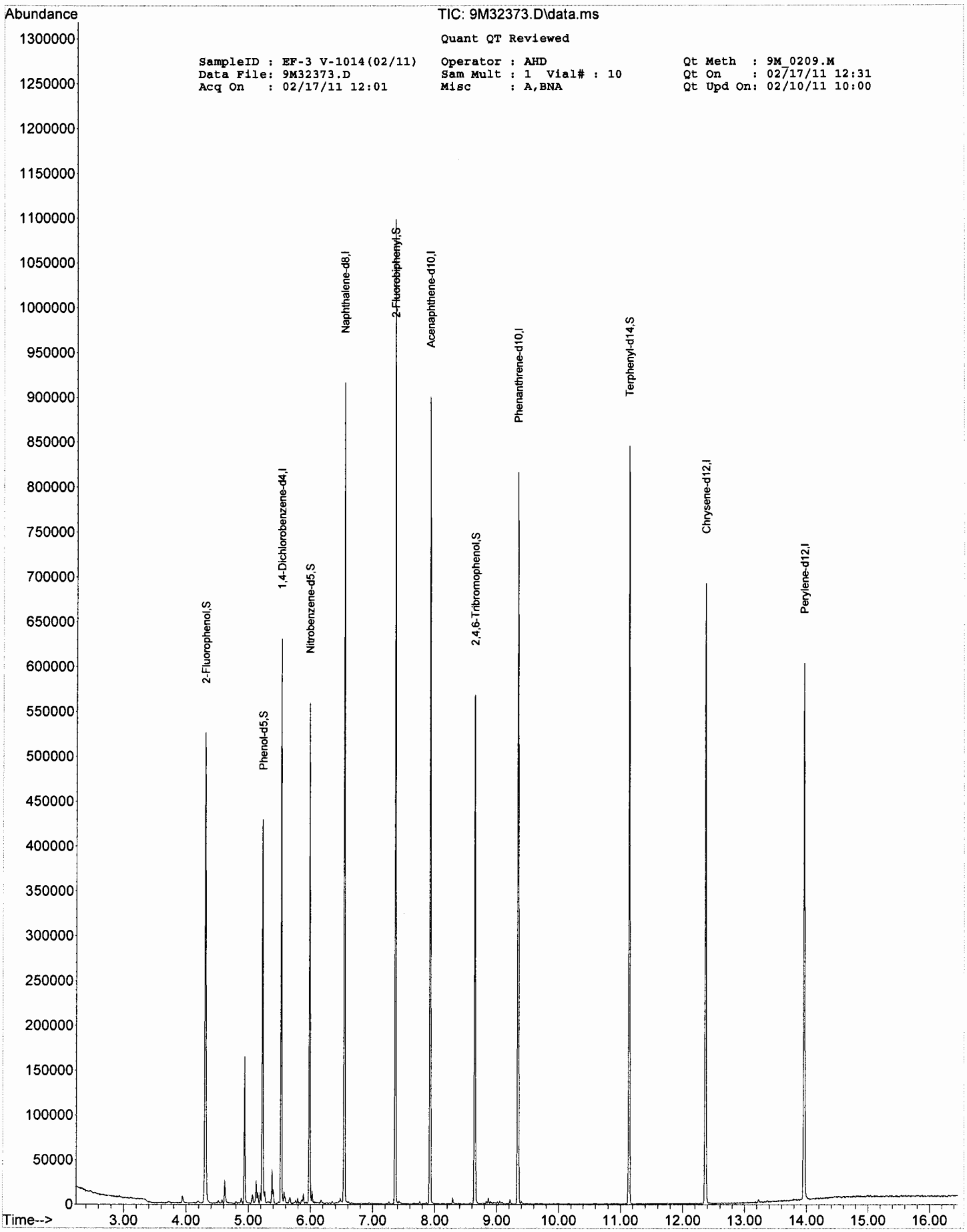
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(02/11) Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32373.D Sam Mult : 1 Vial# : 10 Qt On : 02/17/11 12:31
Acq On : 02/17/11 12:01 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	97188	40.00	ng	-0.03
29) Naphthalene-d8	6.543	136	381584	40.00	ng	-0.04
47) Acenaphthene-d10	7.923	164	203227	40.00	ng	-0.05
74) Phenanthrene-d10	9.345	188	323262	40.00	ng	-0.05
88) Chrysene-d12	12.367	240	256691	40.00	ng	-0.05
100) Perylene-d12	13.961	264	216697	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.301	112	191065	60.42	ng	-0.02
Spiked Amount 100.000			Recovery = 60.42%			
15) Phenol-d5	5.227	99	172828	38.87	ng	-0.02
Spiked Amount 100.000			Recovery = 38.87%			
30) Nitrobenzene-d5	5.981	128	81329	51.07	ng	-0.04
Spiked Amount 50.000			Recovery = 102.14%			
52) 2-Fluorobiphenyl	7.361	172	314246	48.74	ng	-0.04
Spiked Amount 50.000			Recovery = 97.48%			
77) 2,4,6-Tribromophenol	8.645	330	43158	98.49	ng	-0.04
Spiked Amount 100.000			Recovery = 98.49%			
91) Terphenyl-d14	11.137	244	270896	52.25	ng	-0.05
Spiked Amount 50.000			Recovery = 104.50%			
Target Compounds						Qvalue

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


Abundance
TIC: 9M32373.D\data.ms
Quant QT Reviewed
SampleID : EF-3 V-1014(02/11)
Data File: 9M32373.D
Acq On : 02/17/11 12:01
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/17/11 12:31
Qt Upd On: 02/10/11 10:00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4565
Client Id:
Data File: 5M64793.D
Analysis Date: 02/22/11 08:38
Date Rec/Extracted: NA-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182556

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

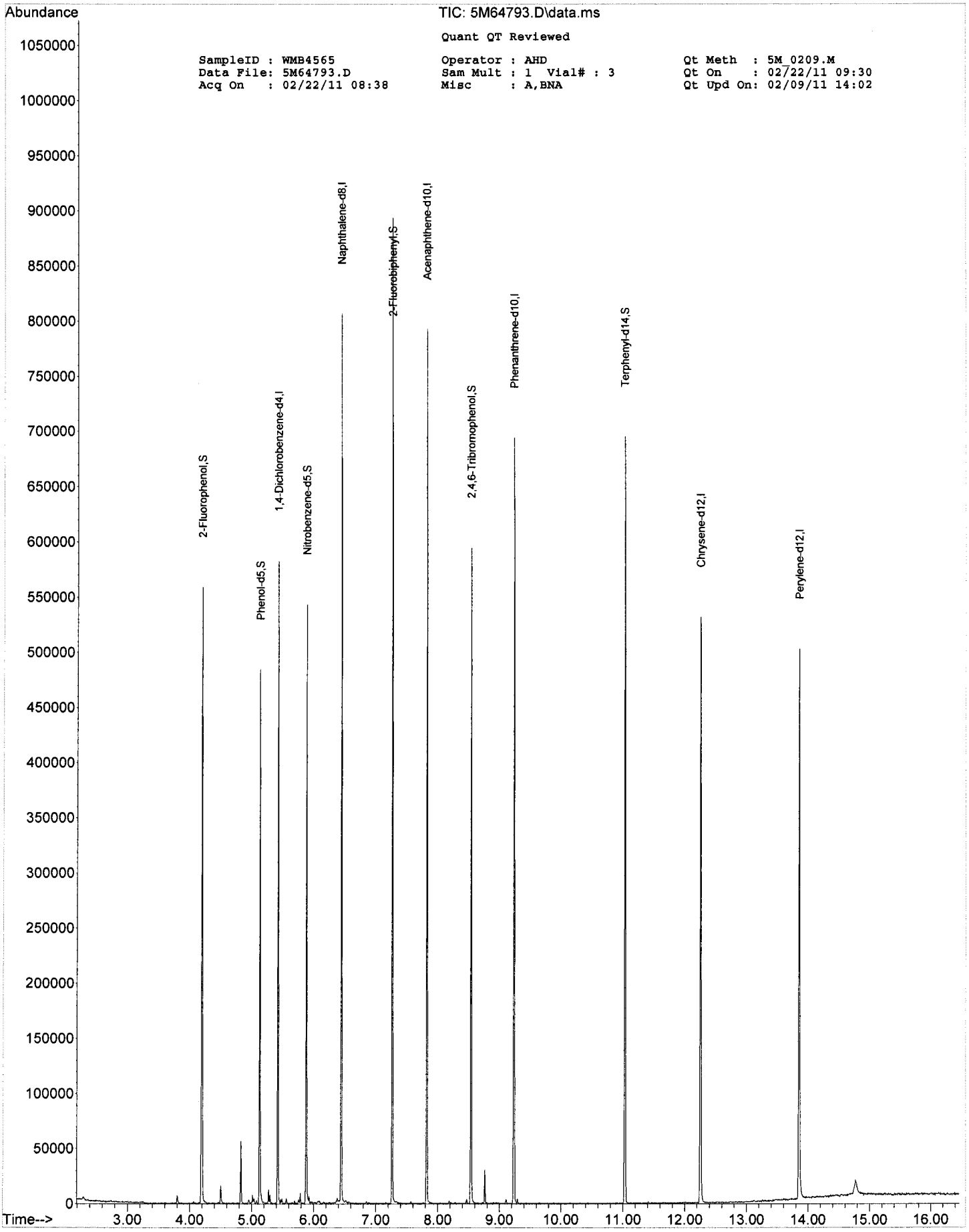
Quantitation Report (QT Reviewed)

SampleID : WMB4565 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64793.D Sam Mult : 1 Vial# : 3 Qt On : 02/22/11 09:30
Acq On : 02/22/11 08:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.420	152	61939	40.00	ng	-0.03
29) Naphthalene-d8	6.440	136	241009	40.00	ng	-0.03
47) Acenaphthene-d10	7.818	164	131310	40.00	ng	-0.03
74) Phenanthrene-d10	9.234	188	217850	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	176293	40.00	ng	-0.05
100) Perylene-d12	13.850	264	153715	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.191	112	136167	67.15	ng	-0.04
Spiked Amount 100.000			Recovery = 67.15%			
15) Phenol-d5	5.126	99	130738	45.68	ng	-0.04
Spiked Amount 100.000			Recovery = 45.68%			
30) Nitrobenzene-d5	5.879	128	48614	47.10	ng	-0.03
Spiked Amount 50.000			Recovery = 94.20%			
52) 2-Fluorobiphenyl	7.263	172	200032	48.25	ng	-0.02
Spiked Amount 50.000			Recovery = 96.50%			
77) 2,4,6-Tribromophenol	8.534	330	30436	96.07	ng	-0.04
Spiked Amount 100.000			Recovery = 96.07%			
91) Terphenyl-d14	11.029	244	174272	50.01	ng	-0.04
Spiked Amount 50.000			Recovery = 100.02%			
Target Compounds						Qvalue

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


Abundance
TIC: 5M64793.D\data.ms
Quant QT Reviewed
SampleID : WMB4565
Data File: 5M64793.D
Acq On : 02/22/11 08:38
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/22/11 09:30
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
1050000
1000000
950000
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
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4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/15)(R)
Client Id:
Data File: 10M19517.D
Analysis Date: 02/22/11 12:23
Date Rec/Extracted: NA-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 181991

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

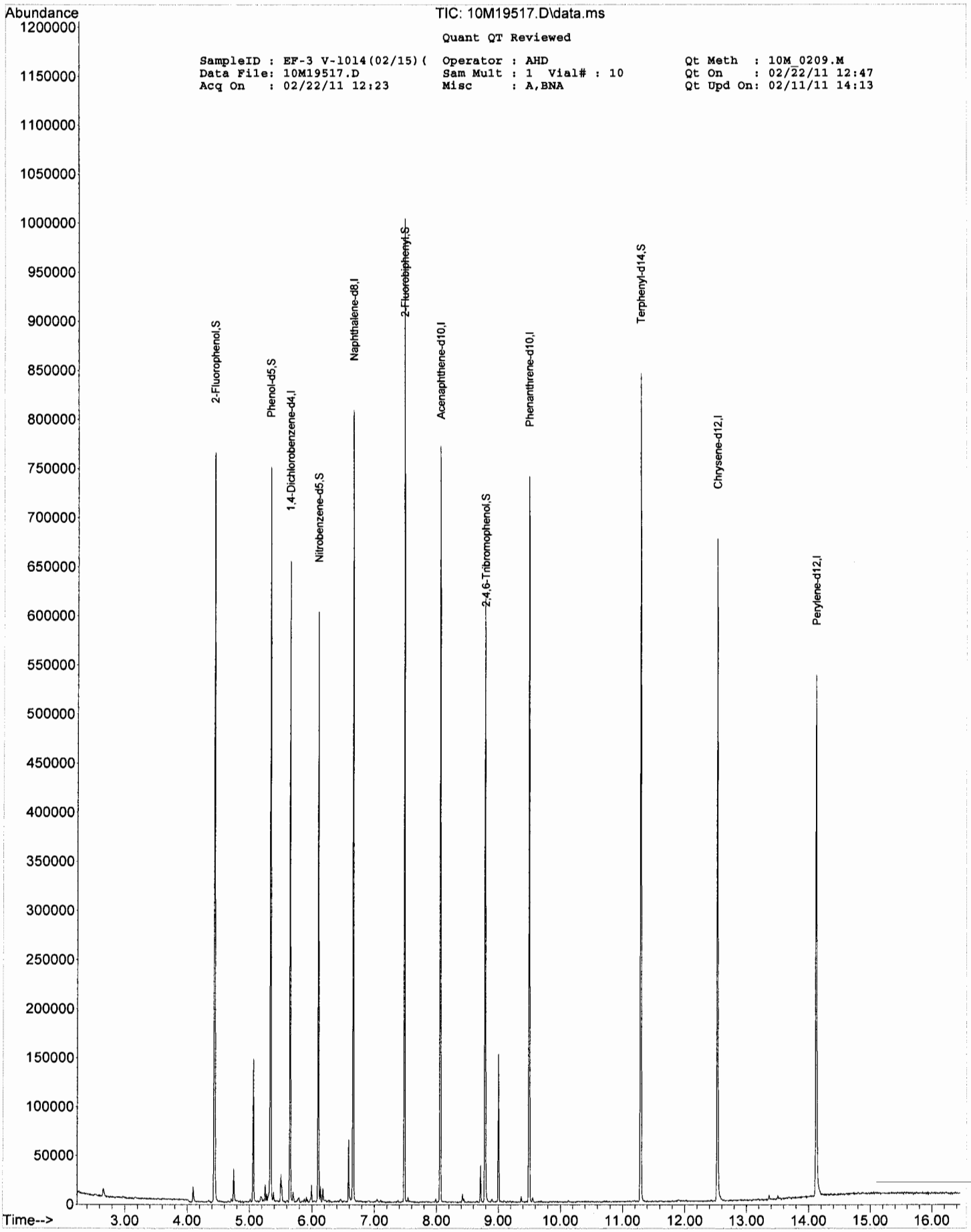
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(02/15)(Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19517.D Sam Mult : 1 Vial# : 10 Qt On : 02/22/11 12:47
Acq On : 02/22/11 12:23 Misc : A,BNA Qt Upd On: 02/11/11 14:13

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.649	152	76683	40.00	ng	-0.03
29) Naphthalene-d8	6.660	136	301427	40.00	ng	-0.03
47) Acenaphthene-d10	8.062	164	164878	40.00	ng	-0.04
74) Phenanthrene-d10	9.495	188	262948	40.00	ng	-0.04
88) Chrysene-d12	12.528	240	228299	40.00	ng	-0.04
100) Perylene-d12	14.122	264	200861	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.441	112	213183	81.15	ng	-0.04
Spiked Amount 100.000			Recovery = 81.15%			
15) Phenol-d5	5.334	99	212413	63.29	ng	-0.04
Spiked Amount 100.000			Recovery = 63.29%			
30) Nitrobenzene-d5	6.099	128	60951	48.93	ng	-0.04
Spiked Amount 50.000			Recovery = 97.86%			
52) 2-Fluorobiphenyl	7.484	172	242413	48.03	ng	-0.04
Spiked Amount 50.000			Recovery = 96.06%			
77) 2,4,6-Tribromophenol	8.789	330	44984	95.83	ng	-0.04
Spiked Amount 100.000			Recovery = 95.83%			
91) Terphenyl-d14	11.292	244	232155	51.53	ng	-0.04
Spiked Amount 50.000			Recovery = 103.06%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : EF-3 V-1014(02/15)(
Data File: 10M19517.D
Acq On : 02/22/11 12:23
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/22/11 12:47
Qt Upd On: 02/11/11 14:13
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4585
Client Id:
Data File: 5M64838.D
Analysis Date: 02/24/11 10:42
Date Rec/Extracted: NA-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182552

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

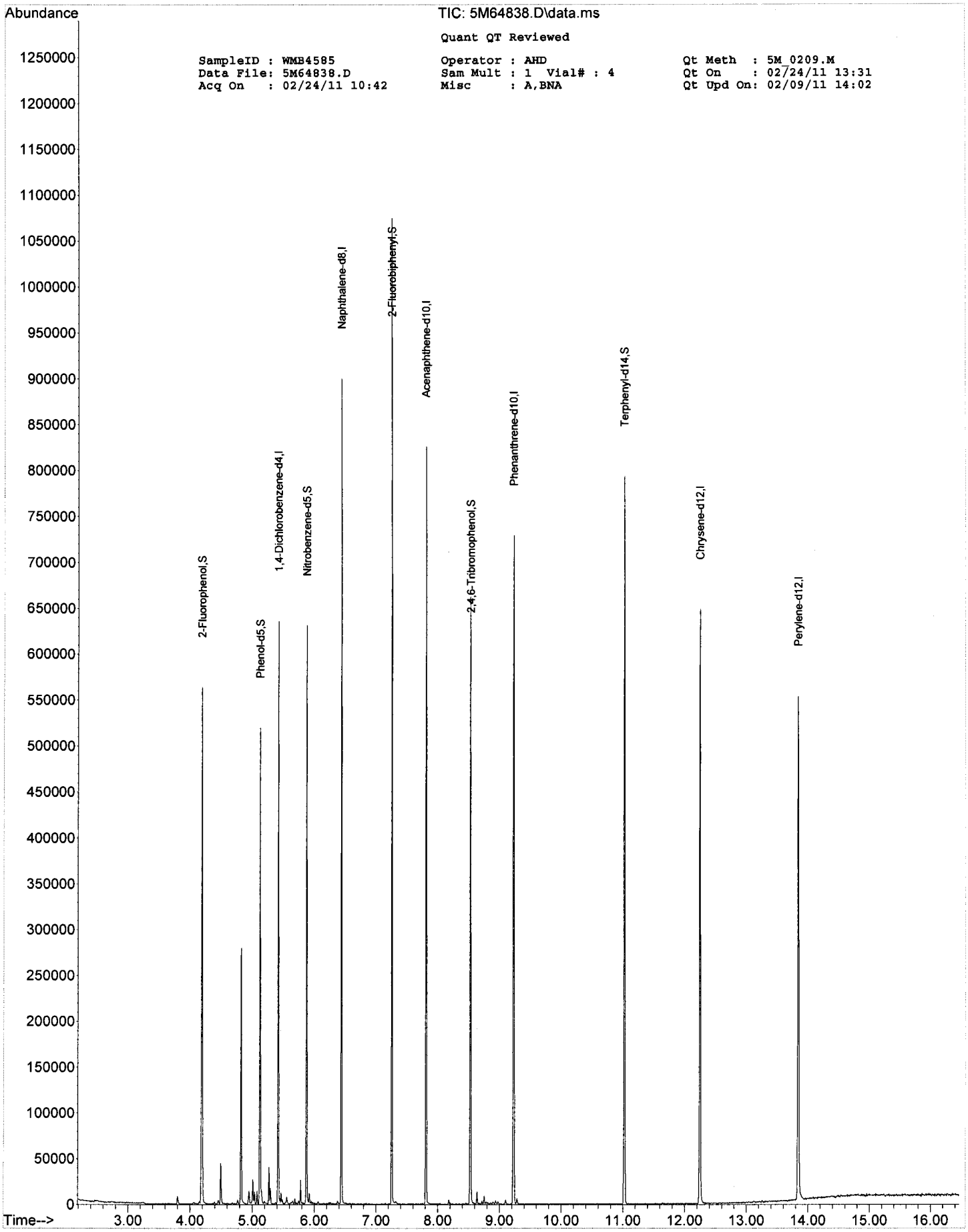
Quantitation Report (QT Reviewed)

SampleID : WMB4585 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64838.D Sam Mult : 1 Vial# : 4 Qt On : 02/24/11 13:31
Acq On : 02/24/11 10:42 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	68644	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	264527	40.00	ng	-0.03
47) Acenaphthene-d10	7.808	164	147006	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	248334	40.00	ng	-0.04
88) Chrysene-d12	12.247	240	199116	40.00	ng	-0.06
100) Perylene-d12	13.839	264	176051	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	142807	63.55	ng	-0.04
Spiked Amount 100.000			Recovery = 63.55%			
15) Phenol-d5	5.120	99	135559	42.74	ng	-0.04
Spiked Amount 100.000			Recovery = 42.74%			
30) Nitrobenzene-d5	5.874	128	56138	49.56	ng	-0.03
Spiked Amount 50.000			Recovery = 99.12%			
52) 2-Fluorobiphenyl	7.252	172	223735	48.20	ng	-0.03
Spiked Amount 50.000			Recovery = 96.40%			
77) 2,4,6-Tribromophenol	8.529	330	36157	100.12	ng	-0.04
Spiked Amount 100.000			Recovery = 100.12%			
91) Terphenyl-d14	11.024	244	203125	51.61	ng	-0.04
Spiked Amount 50.000			Recovery = 103.22%			
Target Compounds						Qvalue

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


Abundance
TIC: 5M64838.D\data.ms
Quant QT Reviewed
SampleID : WMB4585
Data File: 5M64838.D
Acq On : 02/24/11 10:42
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/24/11 13:31
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/20)
Client Id:
Data File: 5M64852.D
Analysis Date: 02/24/11 16:11
Date Rec/Extracted: NA-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182552

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

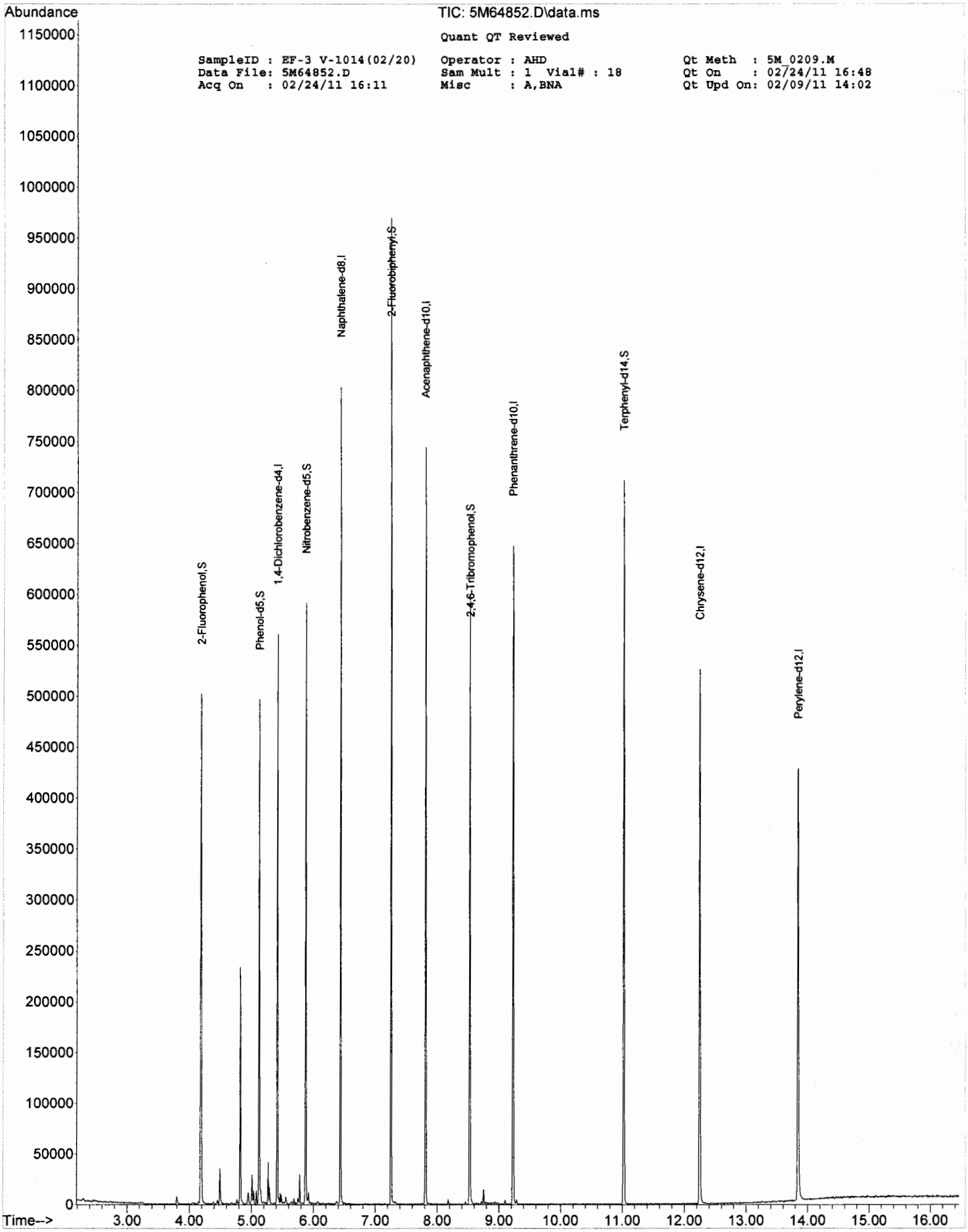
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(02/20) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64852.D Sam Mult : 1 Vial# : 18 Qt On : 02/24/11 16:48
Acq On : 02/24/11 16:11 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	61477	40.00	ng	-0.03
29) Naphthalene-d8	6.434	136	235579	40.00	ng	-0.03
47) Acenaphthene-d10	7.807	164	127603	40.00	ng	-0.04
74) Phenanthrene-d10	9.223	188	218872	40.00	ng	-0.05
88) Chrysene-d12	12.247	240	170415	40.00	ng	-0.06
100) Perylene-d12	13.844	264	146397	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	134718	66.94	ng	-0.04
Spiked Amount 100.000			Recovery = 66.94%			
15) Phenol-d5	5.120	99	129181	45.47	ng	-0.04
Spiked Amount 100.000			Recovery = 45.47%			
30) Nitrobenzene-d5	5.873	128	51172	50.73	ng	-0.03
Spiked Amount 50.000			Recovery = 101.46%			
52) 2-Fluorobiphenyl	7.252	172	200070	49.66	ng	-0.03
Spiked Amount 50.000			Recovery = 99.32%			
77) 2,4,6-Tribromophenol	8.529	330	31097	97.69	ng	-0.04
Spiked Amount 100.000			Recovery = 97.69%			
91) Terphenyl-d14	11.023	244	185639	55.11	ng	-0.04
Spiked Amount 50.000			Recovery = 110.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : EF-3 V-1014(02/20)
Data File: 5M64852.D
Acq On : 02/24/11 16:11
Operator : AHD
Sam Mult : 1 Vial# : 18
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/24/11 16:48
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4624
Client Id:
Data File: 5M64934.D
Analysis Date: 03/01/11 10:06
Date Rec/Extracted: NA-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182516

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

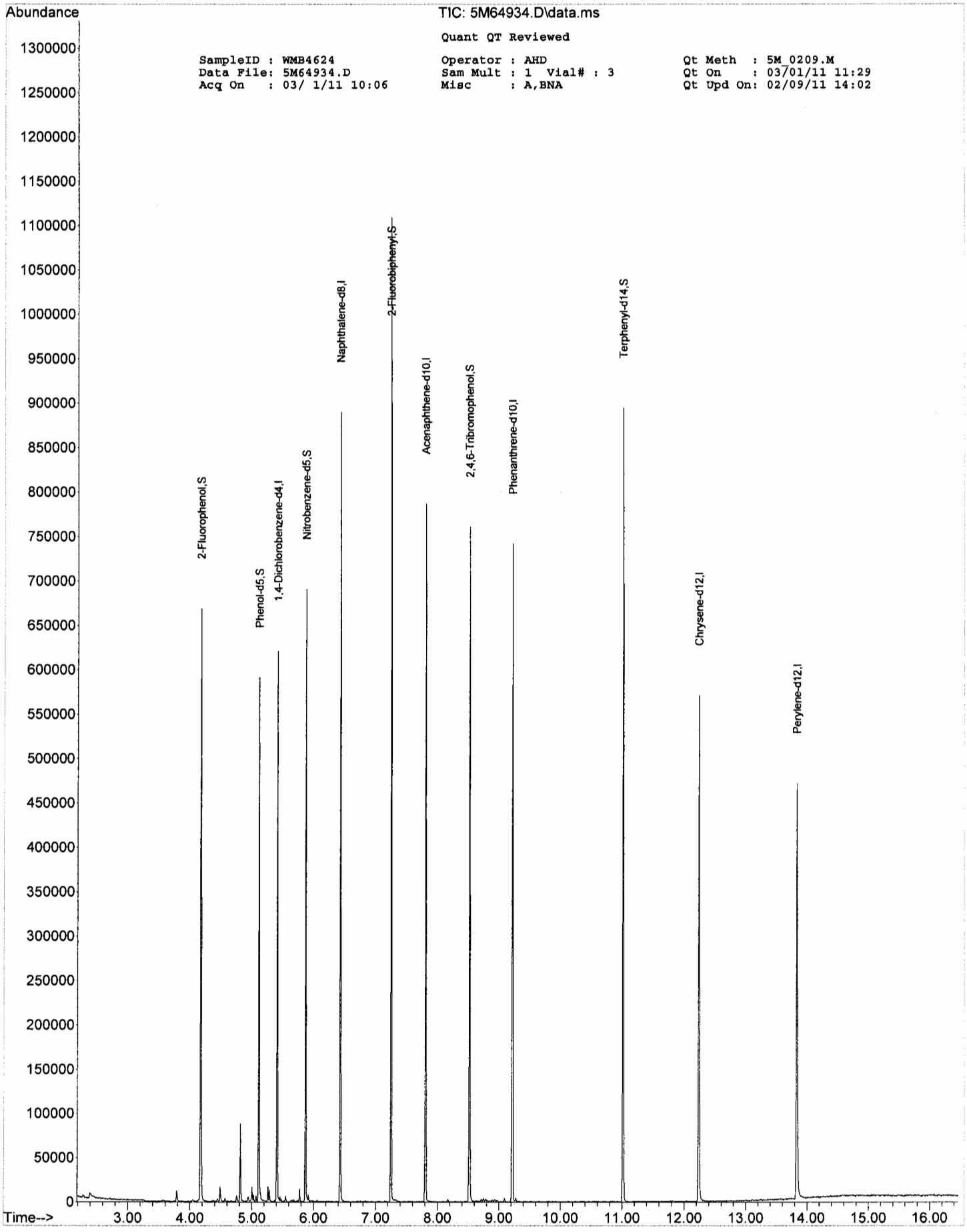
Quantitation Report (QT Reviewed)

SampleID : WMB4624 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64934.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/11 11:29
Acq On : 03/ 1/11 10:06 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	68474	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	260107	40.00	ng	-0.04
47) Acenaphthene-d10	7.802	164	141733	40.00	ng	-0.05
74) Phenanthrene-d10	9.218	188	233320	40.00	ng	-0.06
88) Chrysene-d12	12.236	240	183682	40.00	ng	-0.07
100) Perylene-d12	13.833	264	161255	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	167165	74.57	ng	-0.06
Spiked Amount 100.000			Recovery = 74.57%			
15) Phenol-d5	5.109	99	157383	49.74	ng	-0.06
Spiked Amount 100.000			Recovery = 49.74%			
30) Nitrobenzene-d5	5.868	128	61875	55.55	ng	-0.04
Spiked Amount 50.000			Recovery = 111.10%			
52) 2-Fluorobiphenyl	7.246	172	249083	55.66	ng	-0.04
Spiked Amount 50.000			Recovery = 111.32%			
77) 2,4,6-Tribromophenol	8.518	330	37982	111.94	ng	-0.06
Spiked Amount 100.000			Recovery = 111.94%			
91) Terphenyl-d14	11.013	244	219902	60.57	ng	-0.06
Spiked Amount 50.000			Recovery = 121.14%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Acq On : 03/ 1/11 10:06
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03/01/11 11:29
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/25)
Client Id:
Data File: 5M64948.D
Analysis Date: 03/01/11 15:38
Date Rec/Extracted: NA-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182516

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/25)
Client Id:
Data File: 5M64948.D
Analysis Date: 03/01/11 15:38
Date Rec/Extracted: NA-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182516

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

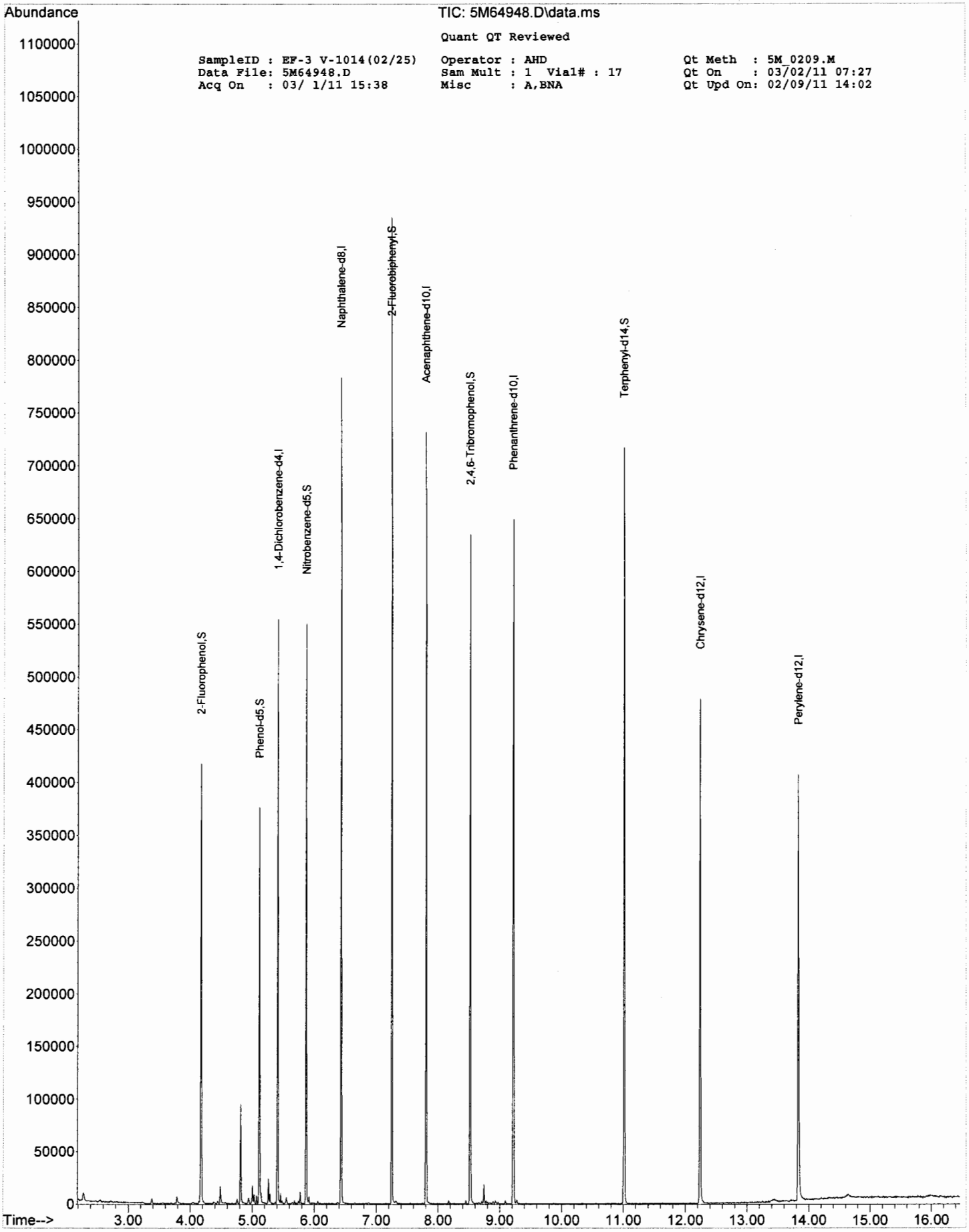
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(02/25) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64948.D Sam Mult : 1 Vial# : 17 Qt On : 03/02/11 07:27
Acq On : 03/ 1/11 15:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	62715	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	235154	40.00	ng	-0.04
47) Acenaphthene-d10	7.802	164	122143	40.00	ng	-0.05
74) Phenanthrene-d10	9.218	188	204032	40.00	ng	-0.06
88) Chrysene-d12	12.236	240	150476	40.00	ng	-0.07
100) Perylene-d12	13.828	264	129721	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	102639	49.99	ng	-0.06
Spiked Amount 100.000			Recovery = 49.99%			
15) Phenol-d5	5.110	99	100066	34.53	ng	-0.06
Spiked Amount 100.000			Recovery = 34.53%			
30) Nitrobenzene-d5	5.868	128	51116	50.76	ng	-0.04
Spiked Amount 50.000			Recovery = 101.52%			
52) 2-Fluorobiphenyl	7.246	172	199862	51.82	ng	-0.04
Spiked Amount 50.000			Recovery = 103.64%			
77) 2,4,6-Tribromophenol	8.518	330	31049	104.64	ng	-0.06
Spiked Amount 100.000			Recovery = 104.64%			
91) Terphenyl-d14	11.013	244	186987	62.87	ng	-0.06
Spiked Amount 50.000			Recovery = 125.74%			
Target Compounds						Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : EF-3 V-1014(02/25)
Data File: 5M64948.D
Acq On : 03/ 1/11 15:38
Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03/02/11 07:27
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4657
Client Id:
Data File: 10M19711.D
Analysis Date: 03/04/11 11:04
Date Rec/Extracted: NA-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	218-01-9	Chrysene	0.16	2.0	U
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	2-Methylnaphthalene	0.79	2.0	U	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	206-44-0	Fluoranthene	0.14	2.0	U
99-09-2	3-Nitroaniline	1.9	2.0	U	86-73-7	Fluorene	0.20	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	91-20-3	Naphthalene	0.16	0.50	U
83-32-9	Acenaphthene	0.21	2.0	U	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	Acenaphthylene	0.14	2.0	U	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	Anthracene	0.34	2.0	U	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	Benzo[a]anthracene	0.13	2.0	U	85-01-8	Phenanthrene	0.15	2.0	U
50-32-8	Benzo[a]pyrene	0.17	2.0	U	108-95-2	Phenol	0.65	2.0	U
205-99-2	Benzo[b]fluoranthene	0.097	2.0	U	129-00-0	Pyrene	0.13	2.0	U
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

Worksheet #: 183433

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

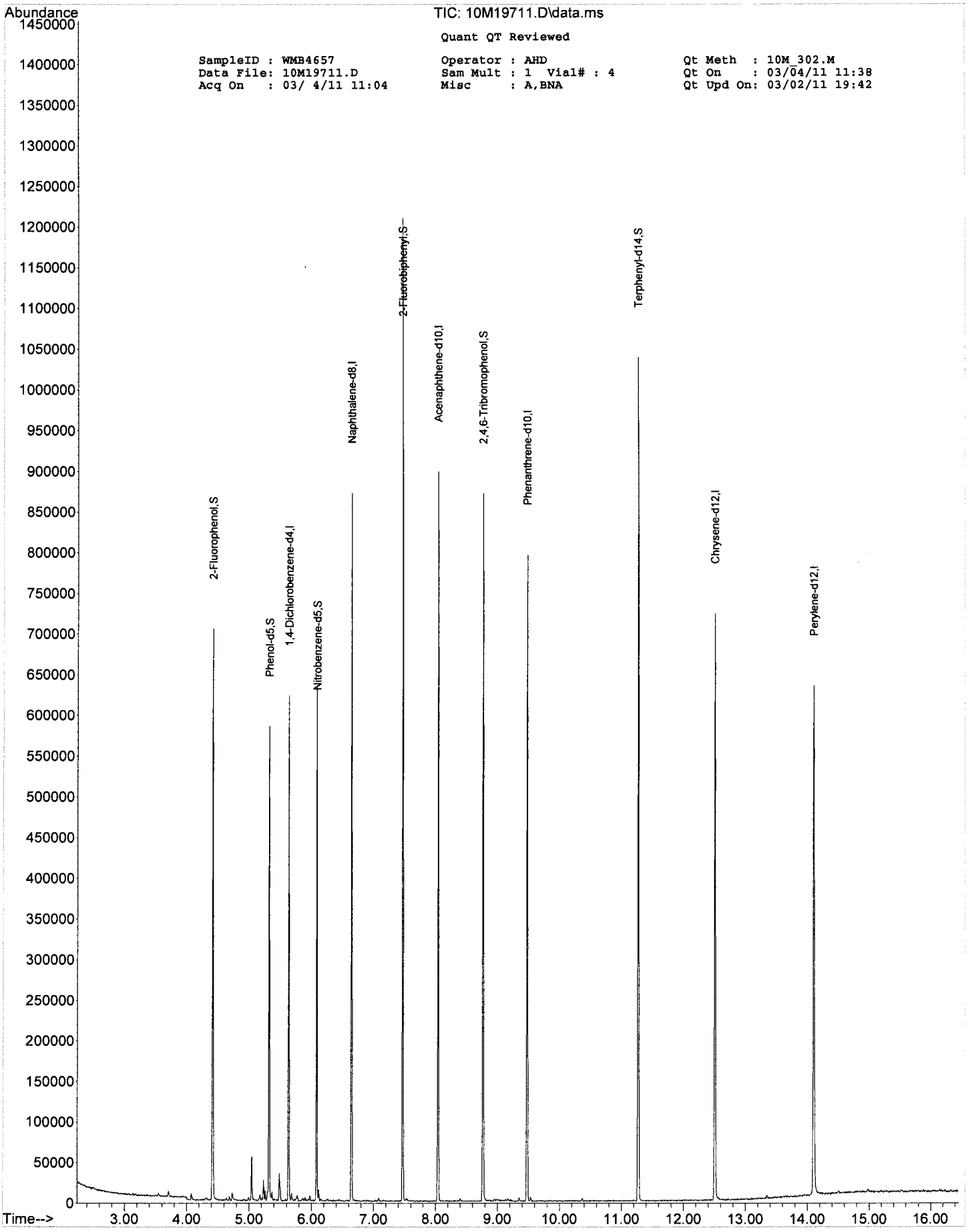
Quantitation Report (QT Reviewed)

SampleID : WMB4657 Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19711.D Sam Mult : 1 Vial# : 4 Qt On : 03/04/11 11:38
Acq On : 03/ 4/11 11:04 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	72029	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	302372	40.00	ng	0.00
51) Acenaphthene-d10	8.040	164	169129	40.00	ng	-0.01
85) Phenanthrene-d10	9.479	188	274722	40.00	ng	-0.01
102) Chrysene-d12	12.506	240	252950	40.00	ng	-0.02
115) Perylene-d12	14.100	264	233005	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	188160	77.76	ng	0.00
Spiked Amount 100.000			Recovery = 77.76%			
16) Phenol-d5	5.323	99	161912	52.45	ng	0.00
Spiked Amount 100.000			Recovery = 52.45%			
32) Nitrobenzene-d5	6.088	128	70536	55.43	ng	0.00
Spiked Amount 50.000			Recovery = 110.86%			
56) 2-Fluorobiphenyl	7.468	172	289079	56.26	ng	-0.01
Spiked Amount 50.000			Recovery = 112.52%			
88) 2,4,6-Tribromophenol	8.767	330	59260	120.05	ng	-0.01
Spiked Amount 100.000			Recovery = 120.05%			
105) Terphenyl-d14	11.271	244	301225	58.91	ng	-0.01
Spiked Amount 50.000			Recovery = 117.82%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : WMB4657
Data File: 10M19711.D
Acq On : 03/ 4/11 11:04
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/04/11 11:38
Qt Upd On: 03/02/11 19:42
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(03/02)
Client Id:
Data File: 10M19732.D
Analysis Date: 03/04/11 18:50
Date Rec/Extracted: NA-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	218-01-9	Chrysene	0.16	2.0	U
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	2-Methylnaphthalene	0.79	2.0	U	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	206-44-0	Fluoranthene	0.14	2.0	U
99-09-2	3-Nitroaniline	1.9	2.0	U	86-73-7	Fluorene	0.20	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	91-20-3	Naphthalene	0.16	0.50	U
83-32-9	Acenaphthene	0.21	2.0	U	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	Acenaphthylene	0.14	2.0	U	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	Anthracene	0.34	2.0	U	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	Benzo[a]anthracene	0.13	2.0	U	85-01-8	Phenanthrene	0.15	2.0	U
50-32-8	Benzo[a]pyrene	0.17	2.0	U	108-95-2	Phenol	0.65	2.0	U
205-99-2	Benzo[b]fluoranthene	0.097	2.0	U	129-00-0	Pyrene	0.13	2.0	U
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

Worksheet #: 183433

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

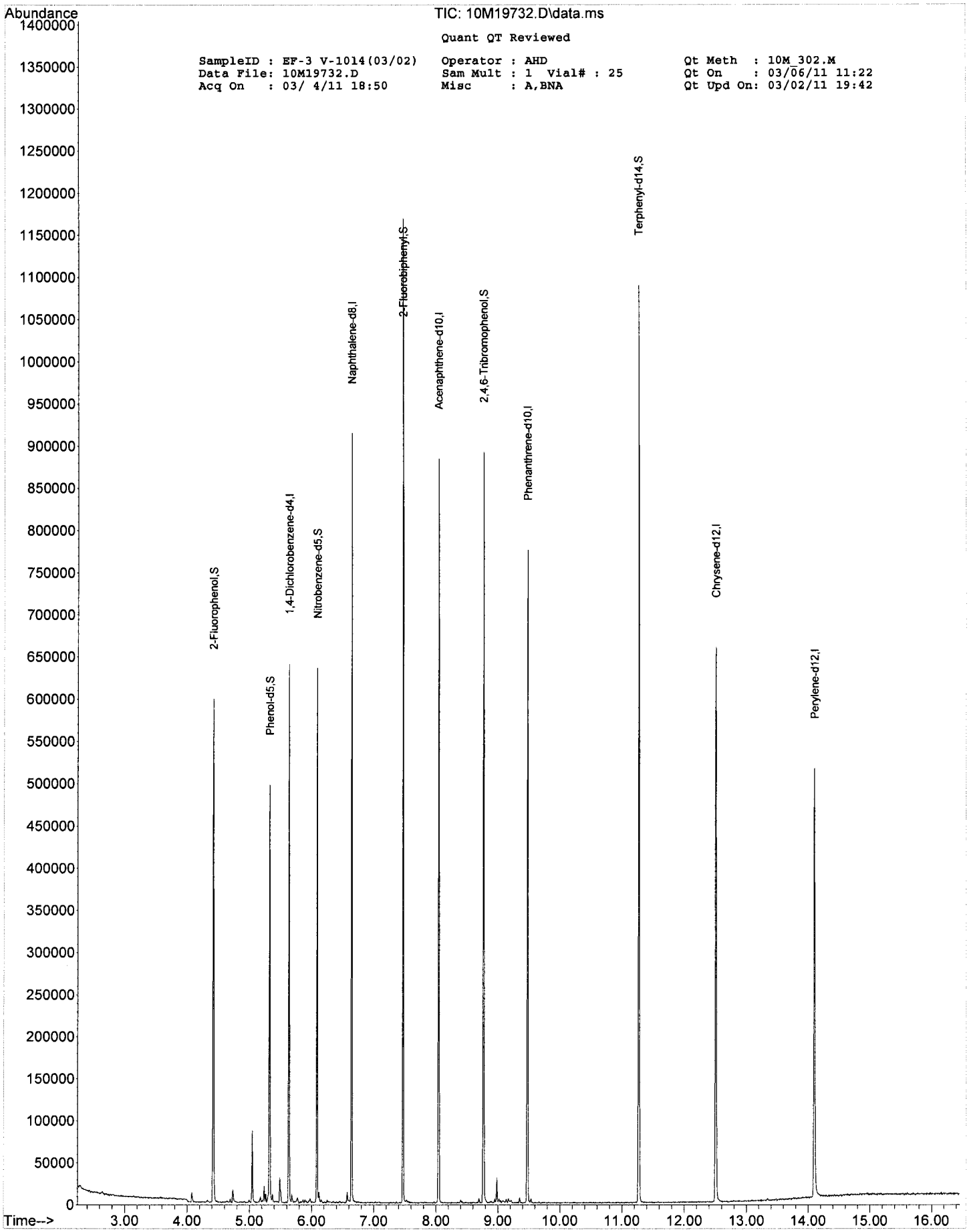
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(03/02) Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19732.D Sam Mult : 1 Vial# : 25 Qt On : 03/06/11 11:22
Acq On : 03/ 4/11 18:50 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	75089	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	308444	40.00	ng	0.00
51) Acenaphthene-d10	8.040	164	171098	40.00	ng	-0.01
85) Phenanthrene-d10	9.479	188	273826	40.00	ng	-0.01
102) Chrysene-d12	12.506	240	237019	40.00	ng	-0.02
115) Perylene-d12	14.100	264	188024	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	154889	61.40	ng	0.00
Spiked Amount 100.000			Recovery = 61.40%			
16) Phenol-d5	5.323	99	134774	41.88	ng	0.00
Spiked Amount 100.000			Recovery = 41.88%			
32) Nitrobenzene-d5	6.088	128	70605	54.39	ng	0.00
Spiked Amount 50.000			Recovery = 108.78%			
56) 2-Fluorobiphenyl	7.468	172	278591	53.60	ng	-0.01
Spiked Amount 50.000			Recovery = 107.20%			
88) 2,4,6-Tribromophenol	8.768	330	58002	117.89	ng	-0.01
Spiked Amount 100.000			Recovery = 117.89%			
105) Terphenyl-d14	11.271	244	294084	61.38	ng	-0.01
Spiked Amount 50.000			Recovery = 122.76%			
Target Compounds						Qvalue

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


Abundance
TIC: 10M19732.D\data.ms
Quant QT Reviewed
SampleID : EF-3 V-1014(03/02)
Data File: 10M19732.D
Acq On : 03/ 4/11 18:50
Operator : AHD
Sam Mult : 1 Vial# : 25
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/06/11 11:22
Qt Upd On: 03/02/11 19:42
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64714.D	WMB4536(MS)	2/16/2011 10:40:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	13.3	0	100	13	1	93
Phenol	1	37	0	100	37	32	98
2-Chlorophenol	1	84.98	0	100	85	64	108
1,4-Dichlorobenzene	1	69.21	0	100	69	52	110
2-Methylphenol	1	77.93	0	100	78	58	113
Hexachloroethane	1	65.12	0	100	65	57	116
N-Nitroso-di-n-propylamine	1	95.67	0	100	96	49	118
3&4-Methylphenol	1	70.27	0	100	70	64	98
Nitrobenzene	1	94.58	0	100	95	80	115
2,4-Dimethylphenol	1	85.15	0	100	85	54	122
1,2,4-Trichlorobenzene	1	78.01	0	100	78	52	120
Naphthalene	1	79.58	0	100	80	61	116
Hexachlorobutadiene	1	77.21	0	100	77	61	118
4-Chloro-3-methylphenol	1	89.22	0	100	89	71	119
2,4,6-Trichlorophenol	1	99.81	0	100	100	89	124
2,4,5-Trichlorophenol	1	99.37	0	100	99	89	129
Acenaphthene	1	91.07	0	100	91	75	110
2,4-Dinitrotoluene	1	100.77	0	100	101	64	120
4-Nitrophenol	1	42.05	0	100	42	35	116
Fluorene	1	91.11	0	100	91	73	113
Hexachlorobenzene	1	95.7	0	100	96	61	120
Pentachlorophenol	1	107.96	0	100	108	76	140
Pyrene	1	96.14	0	100	96	76	118
Butylbenzylphthalate	1	100.53	0	100	101	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4536(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64714.D Sam Mult : 1 Vial# : 4 Qt On : 02/16/11 12:21
Acq On : 02/16/11 10:40 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	71021	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	286400	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	157996	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	264140	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	210652	40.00	ng	-0.02
100) Perylene-d12	13.873	264	176660	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	133140	57.26	ng	-0.03
Spiked Amount 100.000			Recovery = 57.26%			
15) Phenol-d5	5.143	99	133782	40.77	ng	-0.02
Spiked Amount 100.000			Recovery = 40.77%			
30) Nitrobenzene-d5	5.891	128	63236	51.56	ng	-0.02
Spiked Amount 50.000			Recovery = 103.12%			
52) 2-Fluorobiphenyl	7.275	172	206120	41.32	ng	-0.01
Spiked Amount 50.000			Recovery = 82.64%			
77) 2,4,6-Tribromophenol	8.552	330	37636	97.97	ng	-0.02
Spiked Amount 100.000			Recovery = 97.97%			
91) Terphenyl-d14	11.047	244	215345	51.72	ng	-0.02
Spiked Amount 50.000			Recovery = 103.44%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	43059	13.30	ng	86
9) N-Nitrosodimethylamine	2.371	74	130418	67.43	ng	86
12) Aniline	5.213	93	248384	68.18	ng	17
14) bis(2-Chloroethyl)ether	5.213	93	248384	92.27	ng	91
16) Phenol	5.154	94	140876	37.00	ng	90
17) 2-Chlorophenol	5.256	128	215080	84.98	ng	90
19) 1,3-Dichlorobenzene	5.379	146	166281	63.88	ng	97
20) 1,4-Dichlorobenzene	5.448	146	186043	69.21	ng	95
21) 1,2-Dichlorobenzene	5.571	146	169687	68.06	ng	97
23) bis(2-chloroisopropyl)...	5.672	45	414831	90.40	ng	99
24) 2-Methylphenol	5.662	108	187526	77.93	ng	97
26) Hexachloroethane	5.849	117	72741	65.12	ng	93
27) N-Nitroso-di-n-propyla...	5.779	70	196706	95.67	ng	81
28) 3&4-Methylphenol	5.790	108	186584	70.27	ng	83
31) Nitrobenzene	5.907	77	309137	94.58	ng	91
32) Isophorone	6.100	82	465229	79.20	ng	98
33) 2-Nitrophenol	6.158	139	133765	99.86	ng	85
34) 2,4-Dimethylphenol	6.207	107	230059	85.15	ng	97
35) Benzoic Acid	6.287	105	49441	33.37	ng	95
36) bis(2-Chloroethoxy)met...	6.271	93	315133	93.47	ng	99
37) 2,4-Dichlorophenol	6.356	162	185107	97.29	ng	91
38) 1,2,4-Trichlorobenzene	6.410	180	164450	78.01	ng	99
39) Naphthalene	6.468	128	617745	79.58	ng	100
41) Hexachlorobutadiene	6.564	225	69450	77.21	ng	97
42) Caprolactam	6.880	113	5962	6.68	ng	23
43) 4-Chloro-3-methylphenol	6.880	107	218734	89.22	ng	95
49) Hexachlorocyclopentadiene	7.109	237	57954	67.52	ng	93
50) 2,4,6-Trichlorophenol	7.211	196	121058	99.81	ng	98
51) 2,4,5-Trichlorophenol	7.243	196	135593	99.37	ng	99
53) 2-Chloronaphthalene	7.371	162	403963	91.96	ng	98
57) 2-Nitroaniline	7.649	65	9908	4.19	ng	46
59) Acenaphthylene	7.713	152	735426	99.30	ng	100
60) Dimethylphthalate	7.601	163	492445	97.90	ng	100
61) 2,6-Dinitrotoluene	7.654	165	109245	99.27	ng	73
62) Acenaphthene	7.863	153	418170	91.07	ng	96
64) 2,4-Dinitrophenol	7.884	184	55050	97.58	ng	74
65) Dibenzofuran	8.124	168	34438	5.53	ng	30
66) 2,4-Dinitrotoluene	7.996	165	146464	100.77	ng	94
67) 4-Nitrophenol	7.948	65	54839	42.05	ng	93
68) 2,3,4,6-Tetrachlorophenol	8.124	232	90627	91.40	ng	98
69) Fluorene	8.327	166	437675	91.11	ng	100
70) 4-Chlorophenyl-phenyle...	8.322	204	184003	94.57	ng	98
71) Diethylphthalate	8.215	149	502014	95.67	ng	99
72) 4-Nitroaniline	8.327	138	6720	4.51	ng	22
73) Atrazine	9.059	200	14101	10.79	ng	35
75) 4,6-Dinitro-2-methylph...	8.370	198	81035	101.39	ng	29
76) n-Nitrosodiphenylamine	8.434	169	326097	78.04	ng	97
78) 1,2-Diphenylhydrazine	8.472	77	707591	97.76	ng	98
79) 4-Bromophenyl-phenylether	8.798	248	103275	104.70	ng	96
80) Hexachlorobenzene	8.856	284	90700	95.70	ng	94
82) Pentachlorophenol	9.059	266	59474	107.96	ng	98
83) Phenanthrene	9.278	178	691676	97.46	ng	99

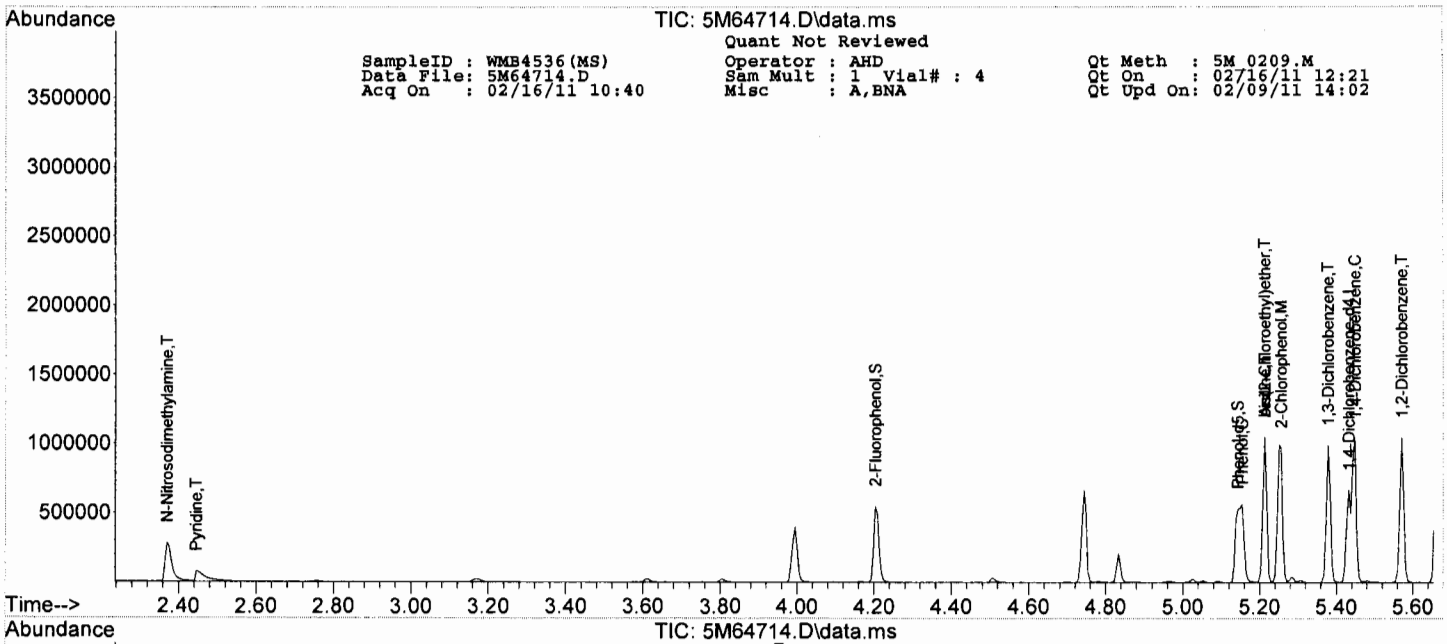
Quantitation Report (Not Reviewed)

SampleID : WMB4536(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64714.D Sam Mult : 1 Vial# : 4 Qt On : 02/16/11 12:21
Acq On : 02/16/11 10:40 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Anthracene	9.332	178	703148	97.92	ng	99
86)	Di-n-butylphthalate	9.903	149	909035	103.10	ng	99
87)	Fluoranthene	10.593	202	687162	97.89	ng	95
89)	Pyrene	10.849	202	722408	96.14	ng	96
90)	Benzidine	10.753	184	11617	3.03	ng	98
94)	Butylbenzylphthalate	11.650	149	398378	100.53	ng	91
96)	3,3'-Dichlorobenzidine	12.254	252	160422	103.48	ng	97
97)	Benzo[a]anthracene	12.270	228	550616	91.97	ng	100
98)	Chrysene	12.313	228	580159	98.19	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.355	149	566855	102.96	ng	100
101)	Di-n-octylphthalate	13.103	149	906648	93.55	ng	100
102)	Benzo[b]fluoranthene	13.483	252	511095	99.72	ng	97
103)	Benzo[k]fluoranthene	13.509	252	520028	102.25	ng	97
104)	Benzo[a]pyrene	13.819	252	504872	104.42	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.021	276	440387	100.07	ng	79
106)	Dibenzo[a,h]anthracene	15.043	278	392054	107.42	ng	89
107)	Benzo[g,h,i]perylene	15.342	276	393443	105.36	ng	81

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


Abundance
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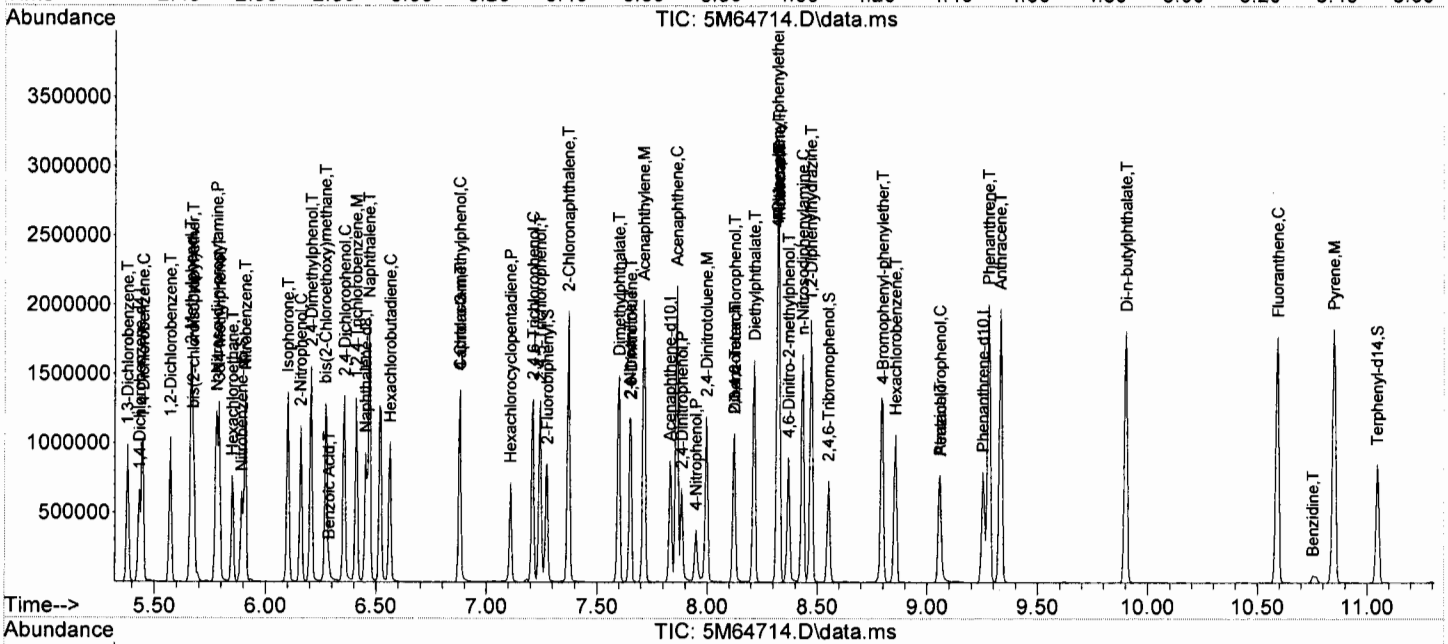
Quant Not Reviewed
SampleID : WMB4536(MS)
Data File: 5M64714.D
Acq On : 02/16/11 10:40
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:21
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Time-->


Abundance
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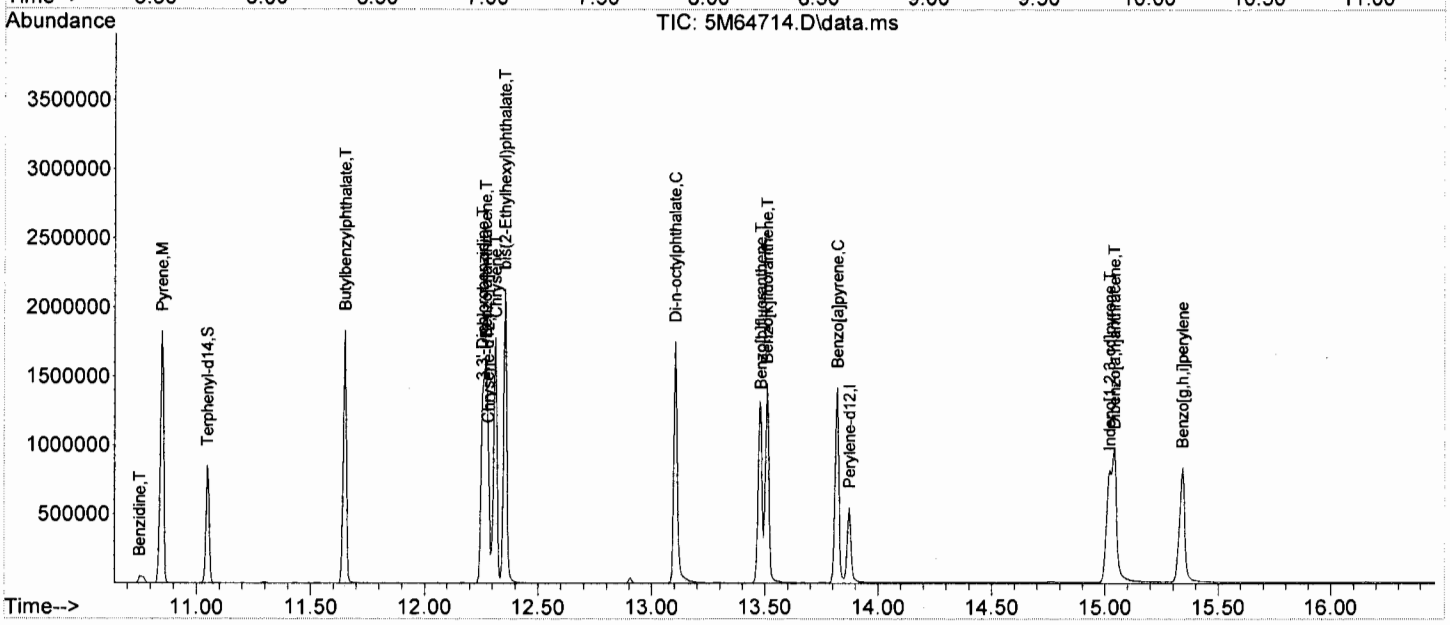
Isophorone,T
2-Nitrophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrotoluene,M
4-Nitrophenol,P
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->


Abundance
TIC: 5M64714.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	24.7	0	100	25	1	93
Phenol	1	61.03	0	100	61	32	98
2-Chlorophenol	1	95.73	0	100	96	64	108
1,4-Dichlorobenzene	1	90.03	0	100	90	52	110
2-Methylphenol	1	97.43	0	100	97	58	113
Hexachloroethane	1	89.38	0	100	89	57	116
N-Nitroso-di-n-propylamine	1	97.45	0	100	97	49	118
3&4-Methylphenol	1	91.58	0	100	92	64	98
Nitrobenzene	1	98.7	0	100	99	80	115
2,4-Dimethylphenol	1	96.44	0	100	96	54	122
1,2,4-Trichlorobenzene	1	87.58	0	100	88	52	120
Naphthalene	1	162.34	97.78	100	65	61	116
Hexachlorobutadiene	1	89.13	0	100	89	61	118
4-Chloro-3-methylphenol	1	102.94	0	100	103	71	119
2,4,6-Trichlorophenol	1	110.89	0	100	111	89	124
2,4,5-Trichlorophenol	1	108.99	0	100	109	89	129
Acenaphthene	1	109.14	12.28	100	97	75	110
2,4-Dinitrotoluene	1	106.44	0	100	106	64	120
4-Nitrophenol	1	76.54	0	100	77	35	116
Fluorene	1	99.84	5.47	100	94	73	113
Hexachlorobenzene	1	96.25	0	100	96	61	120
Pentachlorophenol	1	127.92	0	100	128	76	140
Pyrene	1	101.33	0	100	101	76	118
Butylbenzylphthalate	1	107.18	0	100	107	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.4	0	100	15	1	93
Phenol	1	56.93	0	100	57	32	98
2-Chlorophenol	1	95.9	0	100	96	64	108
1,4-Dichlorobenzene	1	97.11	0	100	97	52	110
2-Methylphenol	1	94.03	0	100	94	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	102.28	0	100	102	49	118
3&4-Methylphenol	1	87.7	0	100	88	64	98
Nitrobenzene	1	103.49	0	100	103	80	115
2,4-Dimethylphenol	1	97.26	0	100	97	54	122
1,2,4-Trichlorobenzene	1	91.87	0	100	92	52	120
Naphthalene	1	169.96	97.78	100	72	61	116
Hexachlorobutadiene	1	94.86	0	100	95	61	118
4-Chloro-3-methylphenol	1	103.15	0	100	103	71	119
2,4,6-Trichlorophenol	1	107.49	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.54	0	100	106	89	129
Acenaphthene	1	105.51	12.28	100	93	75	110
2,4-Dinitrotoluene	1	104.44	0	100	104	64	120
4-Nitrophenol	1	69.68	0	100	70	35	116
Fluorene	1	99.9	5.47	100	94	73	113
Hexachlorobenzene	1	98.03	0	100	98	61	120
Pentachlorophenol	1	123.32	0	100	123	76	140
Pyrene	1	103.97	0	100	104	76	118
Butylbenzylphthalate	1	109.16	0	100	109	66	127

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Duplicate(If applicable):	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.4	24.7	46 *	27
Phenol	1	56.93	61.03	7	27
2-Chlorophenol	1	95.9	95.73	0.18	21
1,4-Dichlorobenzene	1	97.11	90.03	7.6	30
2-Methylphenol	1	94.03	97.43	3.6	25
Hexachloroethane	1	95.79	89.38	6.9	27
N-Nitroso-di-n-propylamine	1	102.28	97.45	4.8	14
3&4-Methylphenol	1	87.7	91.58	4.3	27
Nitrobenzene	1	103.49	98.7	4.7	27
2,4-Dimethylphenol	1	97.26	96.44	0.85	18
1,2,4-Trichlorobenzene	1	91.87	87.58	4.8	17
Naphthalene	1	169.96	162.34	4.6	16
Hexachlorobutadiene	1	94.86	89.13	6.2	27
4-Chloro-3-methylphenol	1	103.15	102.94	0.2	16
2,4,6-Trichlorophenol	1	107.49	110.89	3.1	27
2,4,5-Trichlorophenol	1	105.54	108.99	3.2	27
Acenaphthene	1	105.51	109.14	3.4	14
2,4-Dinitrotoluene	1	104.44	106.44	1.9	13
4-Nitrophenol	1	69.68	76.54	9.4	41
Fluorene	1	99.9	99.84	0.06	14
Hexachlorobenzene	1	98.03	96.25	1.8	27
Pentachlorophenol	1	123.32	127.92	3.7	31
Pyrene	1	103.97	101.33	2.6	13
Butylbenzylphthalate	1	109.16	107.18	1.8	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

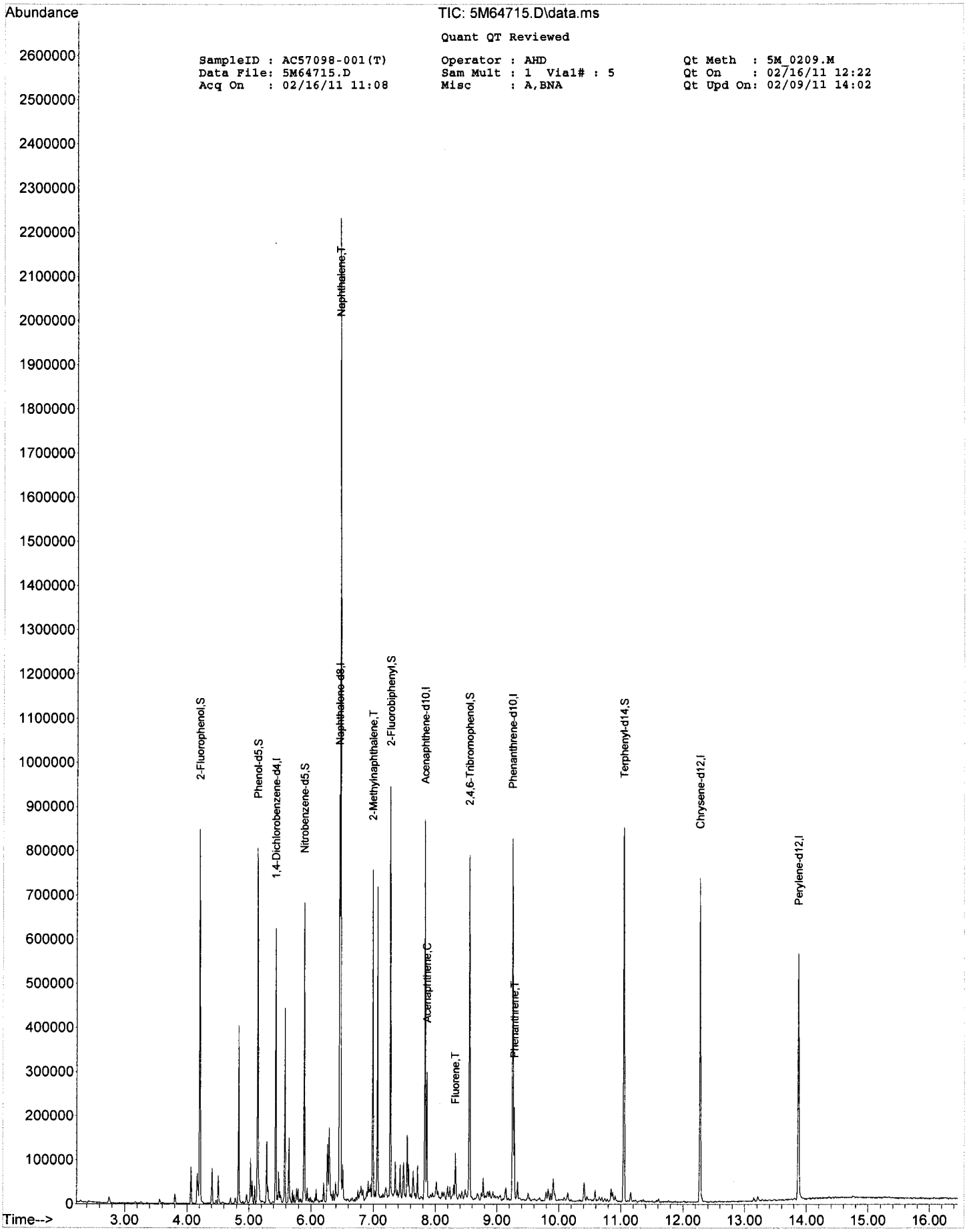
Quantitation Report (QT Reviewed)

SampleID : AC57098-001(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64715.D Sam Mult : 1 Vial# : 5 Qt On : 02/16/11 12:22
Acq On : 02/16/11 11:08 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	70232	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	284132	40.00	ng	-0.02
47) Acenaphthene-d10	7.836	164	159007	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	261775	40.00	ng	-0.02
88) Chrysene-d12	12.276	240	217966	40.00	ng	-0.03
100) Perylene-d12	13.873	264	189347	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	195984	85.24	ng	-0.03
Spiked Amount 100.000			Recovery =	85.24%		
15) Phenol-d5	5.138	99	233289	71.89	ng	-0.03
Spiked Amount 100.000			Recovery =	71.89%		
30) Nitrobenzene-d5	5.892	128	61942	50.91	ng	-0.02
Spiked Amount 50.000			Recovery =	101.82%		
52) 2-Fluorobiphenyl	7.275	172	236621	47.13	ng	-0.01
Spiked Amount 50.000			Recovery =	94.26%		
77) 2,4,6-Tribromophenol	8.552	330	42339	111.21	ng	-0.02
Spiked Amount 100.000			Recovery =	111.21%		
91) Terphenyl-d14	11.052	244	226186	52.50	ng	-0.02
Spiked Amount 50.000			Recovery =	105.00%		
Target Compounds						Qvalue
39) Naphthalene	6.469	128	752957	97.78	ng	100
44) 2-Methylnaphthalene	6.992	142	152904	33.14	ng	97
62) Acenaphthene	7.863	153	56753	12.28	ng	90
69) Fluorene	8.322	166	26427	5.47	ng	96
83) Phenanthrene	9.279	178	66197	9.41	ng	99

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


Abundance
TIC: 5M64715.D\data.ms
Quant QT Reviewed
SampleID : AC57098-001(T)
Data File: 5M64715.D
Acq On : 02/16/11 11:08
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:22
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64716.D Sam Mult : 1 Vial# : 6 Qt On : 02/16/11 12:23
Acq On : 02/16/11 11:32 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	68870	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	274855	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	149666	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	253505	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	200976	40.00	ng	-0.02
100) Perylene-d12	13.873	264	171212	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	184006	81.61	ng	-0.03
Spiked Amount 100.000			Recovery = 81.61%			
15) Phenol-d5	5.144	99	212652	66.82	ng	-0.02
Spiked Amount 100.000			Recovery = 66.82%			
30) Nitrobenzene-d5	5.891	128	59198	50.30	ng	-0.02
Spiked Amount 50.000			Recovery = 100.60%			
52) 2-Fluorobiphenyl	7.275	172	154590	32.71	ng	-0.01
Spiked Amount 50.000			Recovery = 65.42%			
77) 2,4,6-Tribromophenol	8.552	330	40152	108.91	ng	-0.02
Spiked Amount 100.000			Recovery = 108.91%			
91) Terphenyl-d14	11.047	244	212508	53.49	ng	-0.02
Spiked Amount 50.000			Recovery = 106.98%			
Target Compounds						Qvalue
8) Pyridine	2.440	79	77548	24.70	ng	88
9) N-Nitrosodimethylamine	2.371	74	156988	83.71	ng	88
12) Aniline	5.213	93	248474	70.34	ng	17
14) bis(2-Chloroethyl)ether	5.213	93	248474	95.19	ng	92
16) Phenol	5.154	94	225332	61.03	ng	91
17) 2-Chlorophenol	5.256	128	234961	95.73	ng	90
18) N-Decane	5.309	57	6609	1.90	ng	99
19) 1,3-Dichlorobenzene	5.379	146	214396	84.94	ng	99
20) 1,4-Dichlorobenzene	5.448	146	234662	90.03	ng	98
21) 1,2-Dichlorobenzene	5.571	146	221170	91.48	ng	96
23) bis(2-chloroisopropyl)...	5.672	45	440405	98.97	ng	98
24) 2-Methylphenol	5.662	108	227350	97.43	ng	96
25) Acetophenone	5.774	105	8076	2.13	ng	68
26) Hexachloroethane	5.849	117	96818	89.38	ng	95
27) N-Nitroso-di-n-propyla...	5.779	70	194305	97.45	ng	82
28) 3&4-Methylphenol	5.790	108	235791	91.58	ng	88
31) Nitrobenzene	5.907	77	309583	98.70	ng	93
32) Isophorone	6.100	82	481975	85.50	ng	100
33) 2-Nitrophenol	6.159	139	136041	105.82	ng	83
34) 2,4-Dimethylphenol	6.207	107	250071	96.44	ng	96
35) Benzoic Acid	6.308	105	140961	85.04	ng	93
36) bis(2-Chloroethoxy)met...	6.276	93	319667	98.79	ng	97
37) 2,4-Dichlorophenol	6.356	162	194831	106.70	ng	93
38) 1,2,4-Trichlorobenzene	6.410	180	177188	87.58	ng	98
39) Naphthalene	6.474	128	1209310	162.34	ng	100
41) Hexachlorobutadiene	6.565	225	76936	89.13	ng	94
42) Caprolactam	6.880	113	6783	7.92	ng	27
43) 4-Chloro-3-methylphenol	6.880	107	242186	102.94	ng	93
44) 2-Methylnaphthalene	6.992	142	146342	32.79	ng	100
45) Methylnaphthalenes (To...	6.992	142	146342	32.79	ng	100
46) 1,1'-Biphenyl	7.350	154	17863	3.10	ng	97
49) Hexachlorocyclopentadiene	7.109	237	54360	66.86	ng	92
50) 2,4,6-Trichlorophenol	7.211	196	127413	110.89	ng	99
51) 2,4,5-Trichlorophenol	7.243	196	140878	108.99	ng	98
53) 2-Chloronaphthalene	7.371	162	408050	98.06	ng	98
54) 1,4-Dimethylnaphthalene	7.644	156	13907	4.27	ng	87
55) Dimethylnaphthalenes (...	7.644	156	13907	4.27	ng	87
57) 2-Nitroaniline	7.649	65	11036	4.92	ng	50
59) Acenaphthylene	7.713	152	729092	103.93	ng	99
60) Dimethylphthalate	7.601	163	491683	103.18	ng	100
61) 2,6-Dinitrotoluene	7.654	165	109034	104.59	ng	73
62) Acenaphthene	7.863	153	474742	109.14	ng	96
64) 2,4-Dinitrophenol	7.884	184	67751	119.62	ng	73
65) Dibenzofuran	8.125	168	36012	6.11	ng	31
66) 2,4-Dinitrotoluene	7.996	165	146547	106.44	ng	94
67) 4-Nitrophenol	7.948	65	94572	76.54	ng	95
68) 2,3,4,6-Tetrachlorophenol	8.125	232	96701	102.96	ng	98
69) Fluorene	8.328	166	454368	99.84	ng	100
70) 4-Chlorophenyl-phenyle...	8.322	204	178060	96.61	ng	99
71) Diethylphthalate	8.215	149	495772	99.74	ng	99
72) 4-Nitroaniline	8.328	138	6994	4.96	ng	22
73) Atrazine	9.059	200	16702	13.49	ng	35

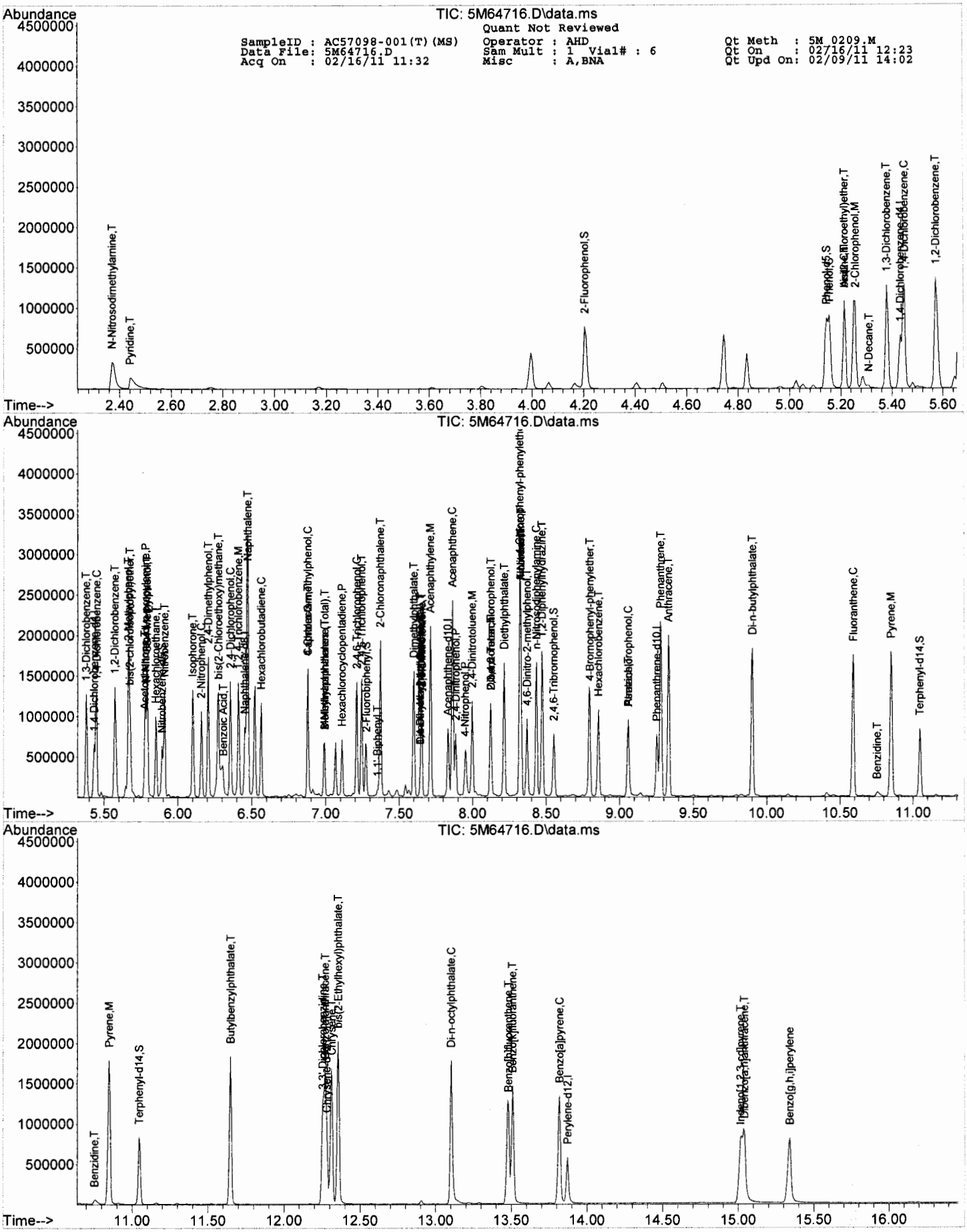
Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64716.D Sam Mult : 1 Vial# : 6 Qt On : 02/16/11 12:23
Acq On : 02/16/11 11:32 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4,6-Dinitro-2-methylph...	8.370	198	87540	112.48	ng	29
76)	n-Nitrosodiphenylamine	8.434	169	329965	82.28	ng	99
78)	1,2-Diphenylhydrazine	8.472	77	669990	96.44	ng	98
79)	4-Bromophenyl-phenylether	8.798	248	103726	109.57	ng	96
80)	Hexachlorobenzene	8.856	284	87551	96.25	ng	98
82)	Pentachlorophenol	9.059	266	69824	127.92	ng	96
83)	Phenanthrene	9.278	178	757926	111.27	ng	99
84)	Anthracene	9.332	178	705197	102.33	ng	99
86)	Di-n-butylphthalate	9.903	149	915734	108.22	ng	98
87)	Fluoranthene	10.593	202	688850	102.24	ng	98
89)	Pyrene	10.849	202	726425	101.33	ng	97
90)	Benzidine	10.753	184	9390	2.56	ng	97
94)	Butylbenzylphthalate	11.650	149	405235	107.18	ng	94
96)	3,3'-Dichlorobenzidine	12.254	252	154499	104.65	ng	98
97)	Benzo[a]anthracene	12.270	228	543002	95.06	ng	99
98)	Chrysene	12.313	228	561871	99.68	ng	100
99)	bis(2-Ethylhexyl)phtha...	12.356	149	570019	108.52	ng	99
101)	Di-n-octylphthalate	13.104	149	910012	96.88	ng	99
102)	Benzo[b]fluoranthene	13.483	252	495652	99.78	ng	97
103)	Benzo[k]fluoranthene	13.510	252	506614	102.78	ng	96
104)	Benzo[a]pyrene	13.819	252	482037	102.87	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.016	276	425995	99.88	ng	77
106)	Dibenzo[a,h]anthracene	15.043	278	373708	105.65	ng	90
107)	Benzo[g,h,i]perylene	15.342	276	375051	103.63	ng	80

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


TIC: 5M64716.D\data.ms
Quant Not Reviewed
SampleID : AC57098-001(T)(MS)
Data File: 5M64716.D
Acq On : 02/16/11 11:32
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:23
Qt Upd On: 02/09/11 14:02
Abundance
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64717.D Sam Mult : 1 Vial# : 7 Qt On : 02/16/11 12:38
Acq On : 02/16/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	64919	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	261022	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	147884	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	243326	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	190364	40.00	ng	-0.02
100) Perylene-d12	13.873	264	160002	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	163746	77.05	ng	-0.03
Spiked Amount 100.000			Recovery = 77.05%			
15) Phenol-d5	5.144	99	190956	63.66	ng	-0.02
Spiked Amount 100.000			Recovery = 63.66%			
30) Nitrobenzene-d5	5.891	128	59273	53.03	ng	-0.02
Spiked Amount 50.000			Recovery = 106.06%			
52) 2-Fluorobiphenyl	7.275	172	159696	34.20	ng	-0.01
Spiked Amount 50.000			Recovery = 68.40%			
77) 2,4,6-Tribromophenol	8.552	330	38732	109.45	ng	-0.02
Spiked Amount 100.000			Recovery = 109.45%			
91) Terphenyl-d14	11.047	244	206398	54.85	ng	-0.02
Spiked Amount 50.000			Recovery = 109.70%			
Target Compounds						Qvalue
8) Pyridine	2.451	79	45583	15.40	ng	85
9) N-Nitrosodimethylamine	2.371	74	146371	82.80	ng	87
12) Aniline	5.213	93	245780	73.81	ng	17
14) bis(2-Chloroethyl)ether	5.213	93	245780	99.89	ng	91
16) Phenol	5.154	94	198150	56.93	ng	92
17) 2-Chlorophenol	5.256	128	221867	95.90	ng	90
18) N-Decane	5.309	57	5400	1.65	ng	93
19) 1,3-Dichlorobenzene	5.379	146	220702	92.76	ng	99
20) 1,4-Dichlorobenzene	5.448	146	238604	97.11	ng	98
21) 1,2-Dichlorobenzene	5.571	146	221323	97.12	ng	97
23) bis(2-chloroisopropyl)...	5.672	45	430513	102.63	ng	97
24) 2-Methylphenol	5.662	108	206818	94.03	ng	98
25) Acetophenone	5.774	105	7542	2.11	ng	62
26) Hexachloroethane	5.849	117	97817	95.79	ng	92
27) N-Nitroso-di-n-propyla...	5.779	70	192227	102.28	ng	82
28) 3&4-Methylphenol	5.790	108	212849	87.70	ng	84
31) Nitrobenzene	5.907	77	308277	103.49	ng	92
32) Isophorone	6.100	82	470784	87.94	ng	100
33) 2-Nitrophenol	6.159	139	128805	105.51	ng	83
34) 2,4-Dimethylphenol	6.207	107	239493	97.26	ng	97
35) Benzoic Acid	6.303	105	123814	79.80	ng	95
36) bis(2-Chloroethoxy)met...	6.276	93	312908	101.83	ng	99
37) 2,4-Dichlorophenol	6.356	162	182992	105.53	ng	92
38) 1,2,4-Trichlorobenzene	6.410	180	176501	91.87	ng	99
39) Naphthalene	6.474	128	1202359	169.96	ng	99
41) Hexachlorobutadiene	6.565	225	77763	94.86	ng	98
42) Caprolactam	6.880	113	6555	8.06	ng	27
43) 4-Chloro-3-methylphenol	6.880	107	230473	103.15	ng	94
44) 2-Methylnaphthalene	6.992	142	141178	33.31	ng	99
45) Methylnaphthalenes (To...	6.992	142	141178	33.31	ng	99
46) 1,1'-Biphenyl	7.350	154	16896	3.09	ng	100
49) Hexachlorocyclopentadiene	7.109	237	58706	73.07	ng	93
50) 2,4,6-Trichlorophenol	7.211	196	122033	107.49	ng	98
51) 2,4,5-Trichlorophenol	7.243	196	134789	105.54	ng	98
53) 2-Chloronaphthalene	7.371	162	402972	98.01	ng	98
54) 1,4-Dimethylnaphthalene	7.644	156	14241	4.43	ng	76
55) Dimethylnaphthalenes (...	7.644	156	14241	4.43	ng	76
57) 2-Nitroaniline	7.649	65	10484	4.73	ng	47
59) Acenaphthylene	7.713	152	713631	102.95	ng	100
60) Dimethylphthalate	7.601	163	473137	100.49	ng	99
61) 2,6-Dinitrotoluene	7.654	165	108858	105.68	ng	74
62) Acenaphthene	7.863	153	453475	105.51	ng	97
64) 2,4-Dinitrophenol	7.884	184	64957	116.89	ng	71
65) Dibenzofuran	8.124	168	36810	6.32	ng	30
66) 2,4-Dinitrotoluene	7.996	165	142073	104.44	ng	96
67) 4-Nitrophenol	7.948	65	85072	69.68	ng	99
68) 2,3,4,6-Tetrachlorophenol	8.124	232	94511	101.84	ng	99
69) Fluorene	8.328	166	449220	99.90	ng	99
70) 4-Chlorophenyl-phenyle...	8.322	204	179298	98.45	ng	99
71) Diethylphthalate	8.215	149	492034	100.18	ng	99
72) 4-Nitroaniline	8.322	138	7550	5.41	ng	32
73) Atrazine	9.059	200	15655	12.80	ng	35

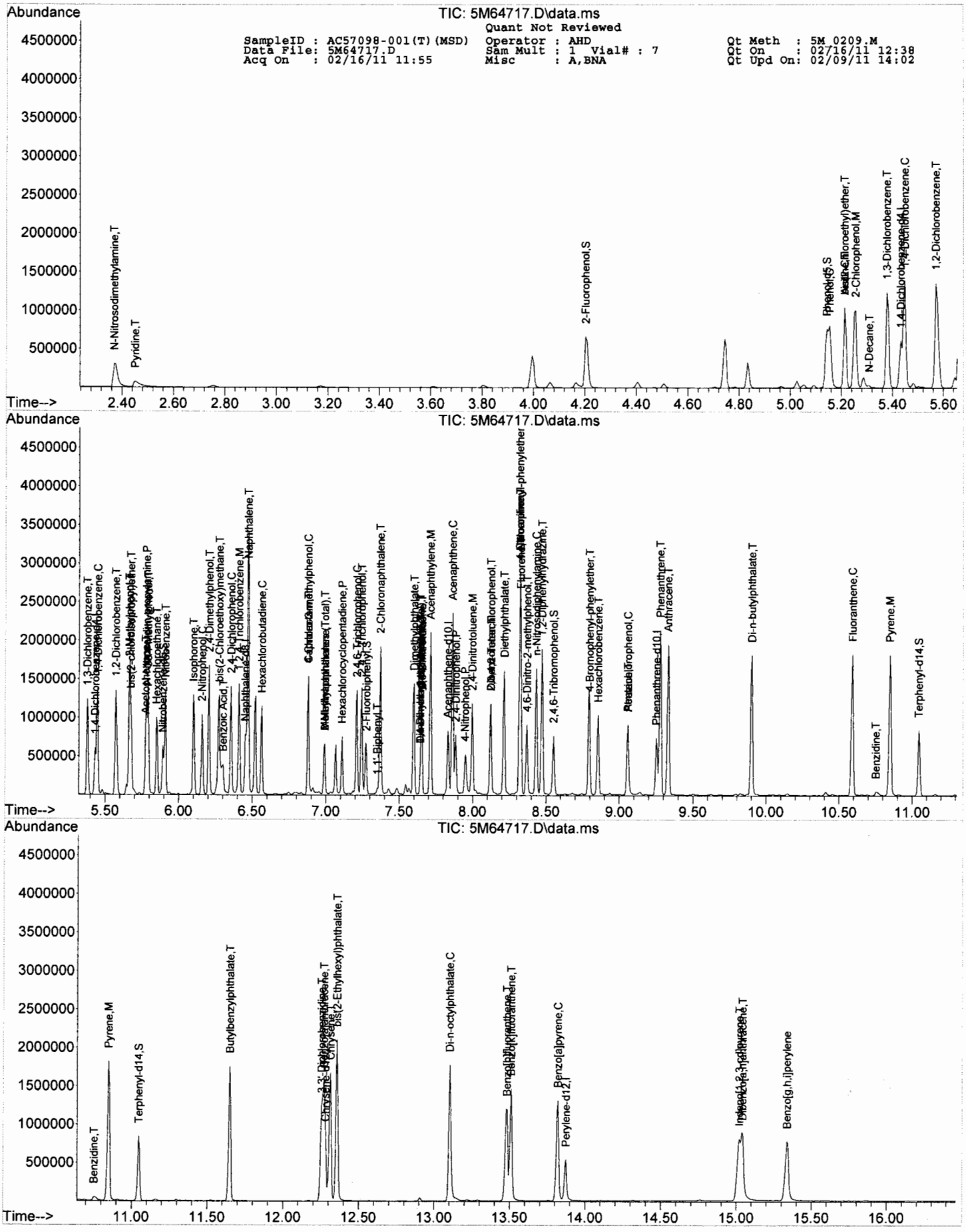
Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64717.D Sam Mult : 1 Vial# : 7 Qt On : 02/16/11 12:38
Acq On : 02/16/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4,6-Dinitro-2-methylph...	8.370	198	83382	111.73	ng	32
76)	n-Nitrosodiphenylamine	8.434	169	325620	84.59	ng	99
78)	1,2-Diphenylhydrazine	8.472	77	691249	103.67	ng	98
79)	4-Bromophenyl-phenylether	8.798	248	101455	111.66	ng	98
80)	Hexachlorobenzene	8.856	284	85591	98.03	ng	96
82)	Pentachlorophenol	9.059	266	64142	123.32	ng	95
83)	Phenanthrene	9.278	178	728708	111.46	ng	99
84)	Anthracene	9.332	178	703670	106.38	ng	100
86)	Di-n-butylphthalate	9.903	149	894008	110.07	ng	98
87)	Fluoranthene	10.593	202	681608	105.40	ng	97
89)	Pyrene	10.849	202	706053	103.97	ng	98
90)	Benzidine	10.753	184	8463	2.44	ng	100
94)	Butylbenzylphthalate	11.650	149	390934	109.16	ng	93
96)	3,3'-Dichlorobenzidine	12.254	252	150183	107.98	ng	98
97)	Benzo[a]anthracene	12.270	228	522178	96.51	ng	99
98)	Chrysene	12.313	228	537364	100.64	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.356	149	546677	109.87	ng	99
101)	Di-n-octylphthalate	13.103	149	900464	102.59	ng	100
102)	Benzo[b]fluoranthene	13.483	252	489812	105.51	ng	97
103)	Benzo[k]fluoranthene	13.509	252	496154	107.71	ng	97
104)	Benzo[a]pyrene	13.819	252	473595	108.15	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.021	276	420038	105.38	ng	79
106)	Dibenzo[a,h]anthracene	15.043	278	366118	110.76	ng	92
107)	Benzo[g,h,i]perylene	15.337	276	363107	107.36	ng	81

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


Abundance
TIC: 5M64717.D\data.ms
Quant Not Reviewed
SampleID : AC57098-001(T)(MSD)
Data File: 5M64717.D
Acq On : 02/16/11 11:55
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:38
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64717.D\data.ms
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
2-Fluorobiphenyl,S
1,1'-Biphenyl,T
Hexachlorocyclopentadiene,P
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Acenaphthene-d10,I
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Phenanthrene-d10,I
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64717.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
3,3'-Dichlorobenzidine,T
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4565

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64794.D	WMB4565(MS)	2/22/2011 9:02:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	28.24	0	100	28	1	93
Phenol	1	40.11	0	100	40	32	98
2-Chlorophenol	1	94.58	0	100	95	64	108
1,4-Dichlorobenzene	1	97.42	0	100	97	52	110
2-Methylphenol	1	86.89	0	100	87	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	94.33	0	100	94	49	118
3&4-Methylphenol	1	78.09	0	100	78	64	98
Nitrobenzene	1	104.19	0	100	104	80	115
2,4-Dimethylphenol	1	89.49	0	100	89	54	122
1,2,4-Trichlorobenzene	1	92.7	0	100	93	52	120
Naphthalene	1	93.36	0	100	93	61	116
Hexachlorobutadiene	1	96.86	0	100	97	61	118
4-Chloro-3-methylphenol	1	96.65	0	100	97	71	119
2,4,6-Trichlorophenol	1	106	0	100	106	89	124
2,4,5-Trichlorophenol	1	102.62	0	100	103	89	129
Acenaphthene	1	95.76	0	100	96	75	110
2,4-Dinitrotoluene	1	105.43	0	100	105	64	120
4-Nitrophenol	1	45.81	0	100	46	35	116
Fluorene	1	95.79	0	100	96	73	113
Hexachlorobenzene	1	101.05	0	100	101	61	120
Pentachlorophenol	1	110.12	0	100	110	76	140
Pyrene	1	103.05	0	100	103	76	118
Butylbenzylphthalate	1	104.74	0	100	105	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4565(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64794.D Sam Mult : 1 Vial# : 4 Qt On : 02/22/11 09:30
Acq On : 02/22/11 09:02 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.420	152	64248	40.00	ng	-0.03
29) Naphthalene-d8	6.440	136	250635	40.00	ng	-0.03
47) Acenaphthene-d10	7.818	164	134047	40.00	ng	-0.03
74) Phenanthrene-d10	9.234	188	223736	40.00	ng	-0.04
88) Chrysene-d12	12.258	240	174105	40.00	ng	-0.04
100) Perylene-d12	13.850	264	150475	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.191	112	131433	62.49	ng	-0.04
Spiked Amount 100.000			Recovery = 62.49%			
15) Phenol-d5	5.126	99	123031	41.44	ng	-0.04
Spiked Amount 100.000			Recovery = 41.44%			
30) Nitrobenzene-d5	5.879	128	53481	49.83	ng	-0.03
Spiked Amount 50.000			Recovery = 99.66%			
52) 2-Fluorobiphenyl	7.257	172	179401	42.39	ng	-0.03
Spiked Amount 50.000			Recovery = 84.78%			
77) 2,4,6-Tribromophenol	8.534	330	31628	97.20	ng	-0.04
Spiked Amount 100.000			Recovery = 97.20%			
91) Terphenyl-d14	11.029	244	171847	49.94	ng	-0.04
Spiked Amount 50.000			Recovery = 99.88%			
Target Compounds						Qvalue
8) Pyridine	2.433	79	82710	28.24	ng	86
9) N-Nitrosodimethylamine	2.364	74	124599	71.22	ng	88
11) Benzaldehyde	5.035	77	449	0.22	ng	21
12) Aniline	5.201	93	235977	71.60	ng	17
14) bis(2-Chloroethyl)ether	5.201	93	235977	96.90	ng	91
16) Phenol	5.142	94	138149	40.11	ng	90
17) 2-Chlorophenol	5.243	128	216563	94.58	ng	90
18) N-Decane	5.297	57	1306	0.40	ng	86
19) 1,3-Dichlorobenzene	5.366	146	219963	93.41	ng	98
20) 1,4-Dichlorobenzene	5.436	146	236896	97.42	ng	99
21) 1,2-Dichlorobenzene	5.558	146	217073	96.25	ng	97
23) bis(2-chloroisopropyl)...	5.660	45	425798	102.57	ng	98
24) 2-Methylphenol	5.649	108	189148	86.89	ng	98
25) Acetophenone	5.761	105	1536	0.43	ng	66
26) Hexachloroethane	5.836	117	96803	95.79	ng	91
27) N-Nitroso-di-n-propyla...	5.767	70	175461	94.33	ng	81
28) 3&4-Methylphenol	5.777	108	187571	78.09	ng	88
31) Nitrobenzene	5.895	77	298000	104.19	ng	92
32) Isophorone	6.087	82	428214	83.31	ng	100
33) 2-Nitrophenol	6.146	139	121082	103.29	ng	84
34) 2,4-Dimethylphenol	6.194	107	211583	89.49	ng	97
35) Benzoic Acid	6.269	105	48330	36.86	ng	92
36) bis(2-Chloroethoxy)met...	6.264	93	290807	98.56	ng	99
37) 2,4-Dichlorophenol	6.344	162	168250	101.05	ng	91
38) 1,2,4-Trichlorobenzene	6.397	180	171012	92.70	ng	99
39) Naphthalene	6.456	128	634168	93.36	ng	99
41) Hexachlorobutadiene	6.552	225	76244	96.86	ng	97
42) Caprolactam	6.867	113	5696	7.29	ng	20
43) 4-Chloro-3-methylphenol	6.867	107	207363	96.65	ng	93
49) Hexachlorocyclopentadiene	7.097	237	55677	76.45	ng	95
50) 2,4,6-Trichlorophenol	7.199	196	109080	106.00	ng	98
51) 2,4,5-Trichlorophenol	7.231	196	118798	102.62	ng	100
53) 2-Chloronaphthalene	7.359	162	374909	100.59	ng	98
57) 2-Nitroaniline	7.637	65	9334	4.65	ng	44
59) Acenaphthylene	7.701	152	656607	104.50	ng	99
60) Dimethylphthalate	7.583	163	442336	103.64	ng	100
61) 2,6-Dinitrotoluene	7.637	165	98264	105.25	ng	79
62) Acenaphthene	7.845	153	373071	95.76	ng	96
64) 2,4-Dinitrophenol	7.866	184	48265	100.14	ng	60
65) Dibenzofuran	8.107	168	28959	5.48	ng	30
66) 2,4-Dinitrotoluene	7.979	165	130006	105.43	ng	93
67) 4-Nitrophenol	7.930	65	50695	45.81	ng	92
68) 2,3,4,6-Tetrachlorophenol	8.107	232	80051	95.16	ng	98
69) Fluorene	8.310	166	390413	95.79	ng	99
70) 4-Chlorophenyl-phenyle...	8.304	204	165886	100.49	ng	98
71) Diethylphthalate	8.198	149	443737	99.68	ng	99
72) 4-Nitroaniline	8.310	138	5969	4.72	ng	23
73) Atrazine	9.036	200	12587	11.35	ng	35
75) 4,6-Dinitro-2-methylph...	8.352	198	71176	104.68	ng	36
76) n-Nitrosodiphenylamine	8.417	169	285482	80.66	ng	100
78) 1,2-Diphenylhydrazine	8.454	77	626251	102.14	ng	99
79) 4-Bromophenyl-phenylether	8.780	248	91543	109.57	ng	98

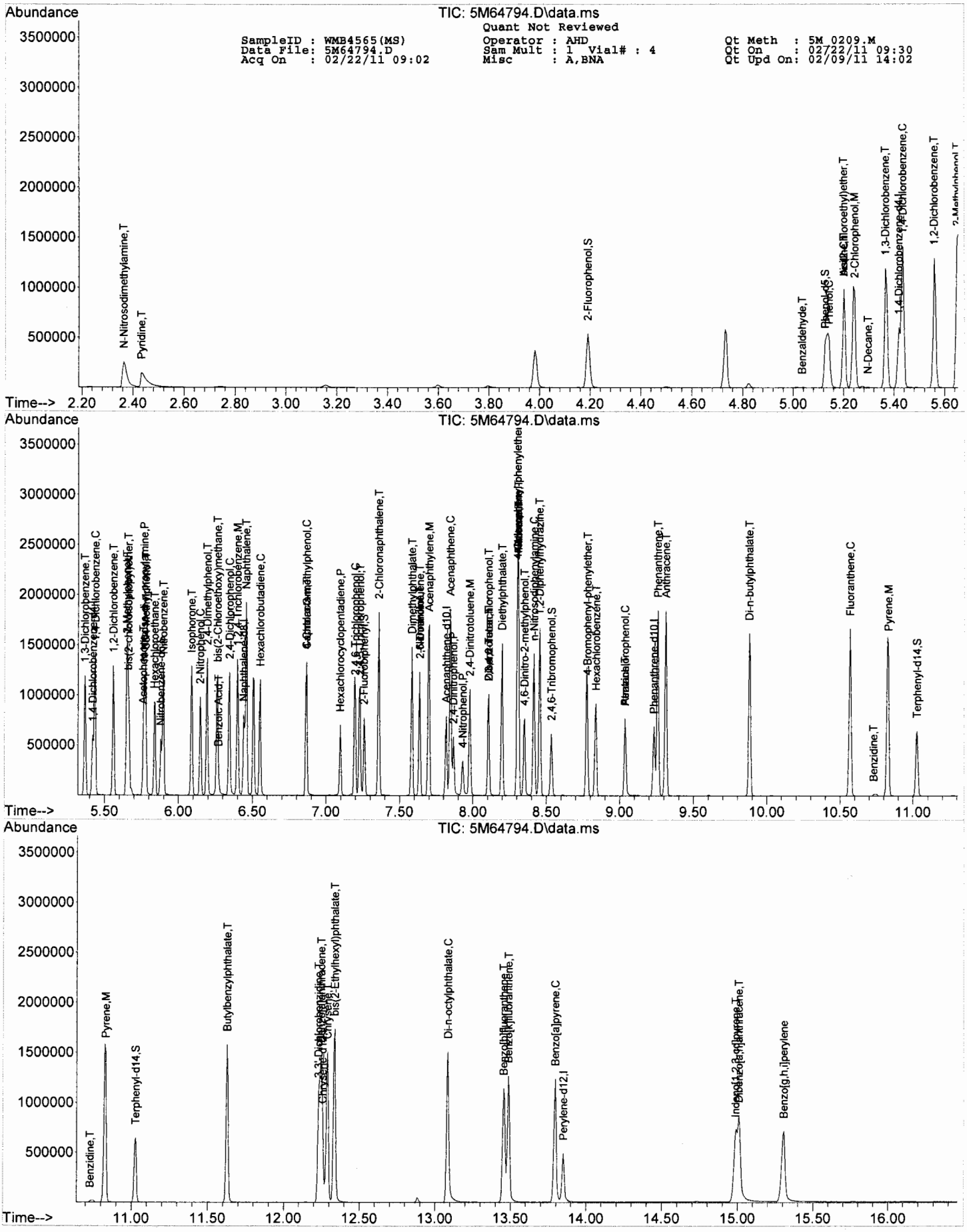
Quantitation Report (Not Reviewed)

SampleID : WMB4565(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64794.D Sam Mult : 1 Vial# : 4 Qt On : 02/22/11 09:30
Acq On : 02/22/11 09:02 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Hexachlorobenzene	8.839	284	81126	101.05	ng	92
82) Pentachlorophenol	9.036	266	51563	110.12	ng	95
83) Phenanthrene	9.261	178	620393	103.20	ng	99
84) Anthracene	9.314	178	613195	100.82	ng	100
86) Di-n-butylphthalate	9.880	149	802916	107.51	ng	99
87) Fluoranthene	10.570	202	606542	102.01	ng	94
89) Pyrene	10.831	202	640014	103.05	ng	98
90) Benzidine	10.730	184	1631	0.51	ng	97
94) Butylbenzylphthalate	11.627	149	343054	104.74	ng	90
96) 3,3'-Dichlorobenzidine	12.231	252	138802	109.37	ng	96
97) Benzo[a]anthracene	12.247	228	470287	95.04	ng	100
98) Chrysene	12.290	228	501750	102.75	ng	98
99) bis(2-Ethylhexyl)phtha...	12.338	149	491944	108.11	ng	100
101) Di-n-octylphthalate	13.086	149	784694	95.06	ng	99
102) Benzo[b]fluoranthene	13.454	252	434950	99.63	ng	96
103) Benzo[k]fluoranthene	13.486	252	460279	106.25	ng	96
104) Benzo[a]pyrene	13.796	252	441414	107.18	ng	98
105) Indeno[1,2,3-cd]pyrene	14.988	276	389578	103.93	ng	78
106) Dibenzo[a,h]anthracene	15.009	278	345995	111.30	ng	88
107) Benzo[g,h,i]perylene	15.308	276	343819	108.10	ng	81

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


Abundance
TIC: 5M64794.D\data.ms
Quant Not Reviewed
SampleID : WMB4565(MS)
Data File: 5M64794.D
Acq On : 02/22/11 09:02
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/22/11 09:30
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64794.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,M
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrotoluene,M
4-Nitrophenol,P
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64794.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64837.D	WMB4585(MS)	2/24/2011 10:18:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	18.76	0	100	19	1	93
Phenol	1	40.27	0	100	40	32	98
2-Chlorophenol	1	92.32	0	100	92	64	108
1,4-Dichlorobenzene	1	80.14	0	100	80	52	110
2-Methylphenol	1	87.6	0	100	88	58	113
Hexachloroethane	1	79.08	0	100	79	57	116
N-Nitroso-di-n-propylamine	1	95.29	0	100	95	49	118
3&4-Methylphenol	1	77.94	0	100	78	64	98
Nitrobenzene	1	105.96	0	100	106	80	115
2,4-Dimethylphenol	1	96.52	0	100	97	54	122
1,2,4-Trichlorobenzene	1	89.96	0	100	90	52	120
Naphthalene	1	91.16	0	100	91	61	116
Hexachlorobutadiene	1	92.47	0	100	92	61	118
4-Chloro-3-methylphenol	1	99.4	0	100	99	71	119
2,4,6-Trichlorophenol	1	110.03	0	100	110	89	124
2,4,5-Trichlorophenol	1	104.55	0	100	105	89	129
Acenaphthene	1	101.64	0	100	102	75	110
2,4-Dinitrotoluene	1	111.09	0	100	111	64	120
4-Nitrophenol	1	47.81	0	100	48	35	116
Fluorene	1	99.15	0	100	99	73	113
Hexachlorobenzene	1	101.42	0	100	101	61	120
Pentachlorophenol	1	112.09	0	100	112	76	140
Pyrene	1	102.43	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4585(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64837.D Sam Mult : 1 Vial# : 3 Qt On : 02/24/11 10:37
Acq On : 02/24/11 10:18 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	64363	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	240824	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	130573	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	219989	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	176818	40.00	ng	-0.05
100) Perylene-d12	13.844	264	155539	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.186	112	137743	65.37	ng	-0.04
Spiked Amount 100.000			Recovery = 65.37%			
15) Phenol-d5	5.120	99	131265	44.14	ng	-0.04
Spiked Amount 100.000			Recovery = 44.14%			
30) Nitrobenzene-d5	5.874	128	55862	54.17	ng	-0.03
Spiked Amount 50.000			Recovery = 108.34%			
52) 2-Fluorobiphenyl	7.257	172	177998	43.18	ng	-0.03
Spiked Amount 50.000			Recovery = 86.36%			
77) 2,4,6-Tribromophenol	8.529	330	34053	106.44	ng	-0.04
Spiked Amount 100.000			Recovery = 106.44%			
91) Terphenyl-d14	11.024	244	186393	53.33	ng	-0.04
Spiked Amount 50.000			Recovery = 106.66%			
Target Compounds						Qvalue
8) Pyridine	2.444	79	55034	18.76	ng	85
9) N-Nitrosodimethylamine	2.364	74	125722	71.73	ng	90
12) Aniline	5.195	93	233996	70.88	ng	17
14) bis(2-Chloroethyl)ether	5.195	93	233996	95.92	ng	92
16) Phenol	5.136	94	138957	40.27	ng	92
17) 2-Chlorophenol	5.238	128	211751	92.32	ng	90
19) 1,3-Dichlorobenzene	5.366	146	179582	76.13	ng	98
20) 1,4-Dichlorobenzene	5.430	146	195224	80.14	ng	97
21) 1,2-Dichlorobenzene	5.553	146	184951	81.86	ng	96
23) bis(2-chloroisopropyl)...	5.660	45	406805	97.82	ng	97
24) 2-Methylphenol	5.644	108	191029	87.60	ng	97
26) Hexachloroethane	5.836	117	80054	79.08	ng	96
27) N-Nitroso-di-n-propyla...	5.761	70	177555	95.29	ng	84
28) 3&4-Methylphenol	5.772	108	187560	77.94	ng	86
31) Nitrobenzene	5.890	77	291213	105.96	ng	95
32) Isophorone	6.087	82	437646	88.61	ng	94
33) 2-Nitrophenol	6.146	139	118882	105.54	ng	91
34) 2,4-Dimethylphenol	6.189	107	219277	96.52	ng	96
35) Benzoic Acid	6.264	105	53459	41.79	ng	93
36) bis(2-Chloroethoxy)met...	6.258	93	290212	102.37	ng	99
37) 2,4-Dichlorophenol	6.338	162	170858	106.80	ng	93
38) 1,2,4-Trichlorobenzene	6.392	180	159460	89.96	ng	98
39) Naphthalene	6.456	128	595007	91.16	ng	99
41) Hexachlorobutadiene	6.547	225	69940	92.47	ng	97
42) Caprolactam	6.862	113	5513	7.35	ng	22
43) 4-Chloro-3-methylphenol	6.862	107	204907	99.40	ng	92
49) Hexachlorocyclopentadiene	7.092	237	54103	76.27	ng	92
50) 2,4,6-Trichlorophenol	7.193	196	110294	110.03	ng	99
51) 2,4,5-Trichlorophenol	7.220	196	117899	104.55	ng	99
53) 2-Chloronaphthalene	7.353	162	372667	102.65	ng	96
57) 2-Nitroaniline	7.631	65	8960	4.58	ng	42
59) Acenaphthylene	7.695	152	664584	108.58	ng	99
60) Dimethylphthalate	7.578	163	431715	103.85	ng	99
61) 2,6-Dinitrotoluene	7.631	165	97453	107.15	ng	82
62) Acenaphthene	7.840	153	385707	101.64	ng	96
64) 2,4-Dinitrophenol	7.861	184	51757	107.97	ng	66
65) Dibenzofuran	8.101	168	30004	5.83	ng	30
66) 2,4-Dinitrotoluene	7.978	165	133433	111.09	ng	84
67) 4-Nitrophenol	7.925	65	51539	47.81	ng	90
68) 2,3,4,6-Tetrachlorophenol	8.101	232	79862	97.46	ng	97
69) Fluorene	8.304	166	393653	99.15	ng	99
70) 4-Chlorophenyl-phenyle...	8.299	204	166670	103.65	ng	97
71) Diethylphthalate	8.192	149	448690	103.47	ng	98
72) 4-Nitroaniline	8.304	138	6077	4.94	ng	23
73) Atrazine	9.031	200	12275	11.36	ng	35
75) 4,6-Dinitro-2-methylph...	8.347	198	72459	107.93	ng	28
76) n-Nitrosodiphenylamine	8.411	169	292513	84.05	ng	99
78) 1,2-Diphenylhydrazine	8.449	77	627870	104.15	ng	98
79) 4-Bromophenyl-phenylether	8.774	248	91653	111.57	ng	98
80) Hexachlorobenzene	8.833	284	80058	101.42	ng	95
82) Pentachlorophenol	9.036	266	51774	112.09	ng	96
83) Phenanthrene	9.255	178	625173	105.77	ng	98

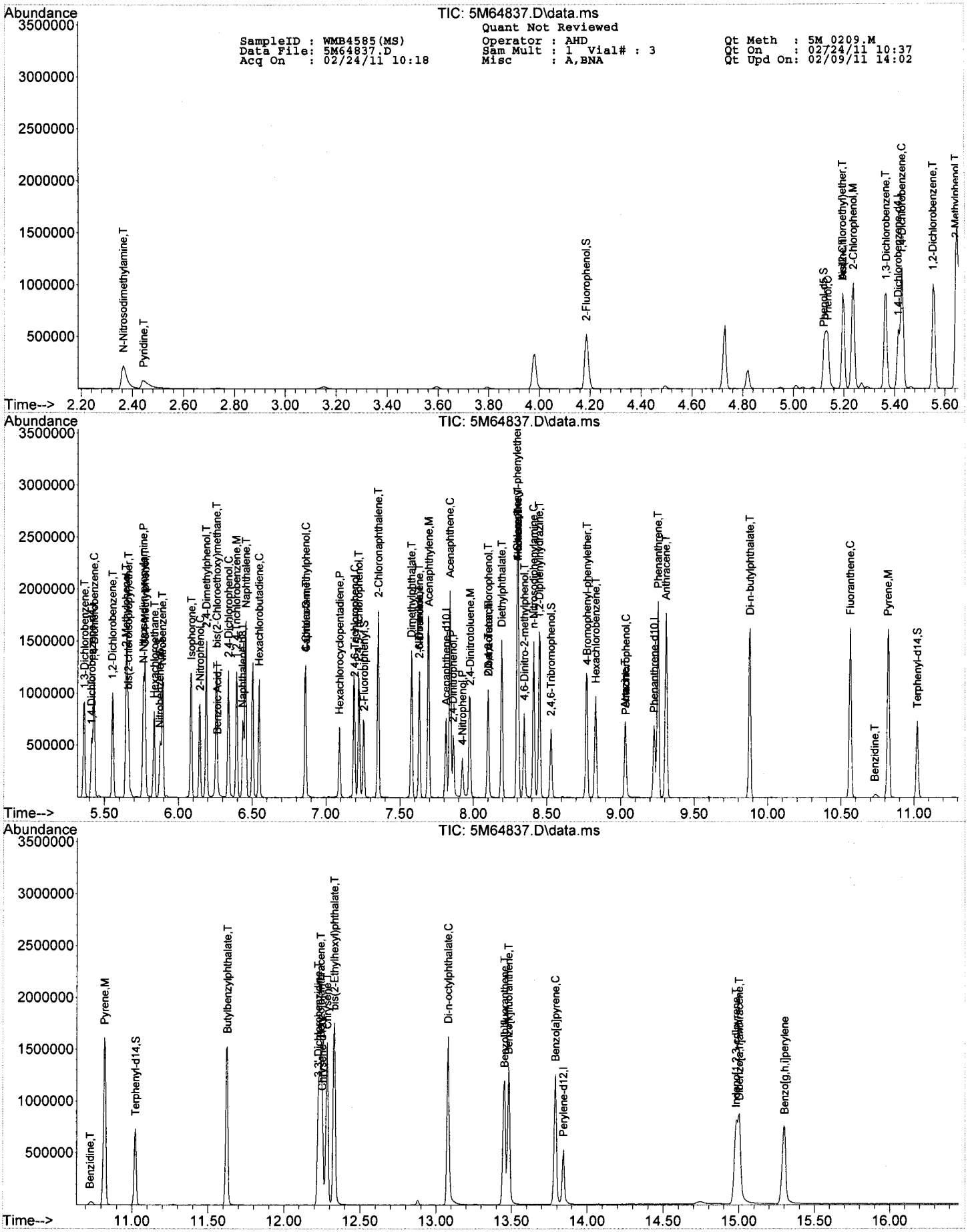
Quantitation Report (Not Reviewed)

SampleID : WMB4585(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64837.D Sam Mult : 1 Vial# : 3 Qt On : 02/24/11 10:37
Acq On : 02/24/11 10:18 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
84)	Anthracene	9.309	178	613039	102.51 ng	99
86)	Di-n-butylphthalate	9.880	149	808907	110.16 ng	98
87)	Fluoranthene	10.564	202	617543	105.62 ng	93
89)	Pyrene	10.821	202	646101	102.43 ng	96
90)	Benzidine	10.730	184	5481	1.70 ng	99
94)	Butylbenzylphthalate	11.627	149	356738	107.25 ng	96
96)	3,3'-Dichlorobenzidine	12.226	252	145815	113.99 ng	97
97)	Benzo[a]anthracene	12.242	228	488995	97.31 ng	99
98)	Chrysene	12.284	228	518989	104.65 ng	98
99)	bis(2-Ethylhexyl)phtha...	12.332	149	513318	111.07 ng	100
101)	Di-n-octylphthalate	13.080	149	818107	95.88 ng	99
102)	Benzo[b]fluoranthene	13.454	252	464756	102.99 ng	98
103)	Benzo[k]fluoranthene	13.481	252	474401	105.95 ng	97
104)	Benzo[a]pyrene	13.791	252	445270	104.60 ng	98
105)	Indeno[1,2,3-cd]pyrene	14.982	276	409365	105.65 ng	79
106)	Dibenzo[a,h]anthracene	15.004	278	354974	110.47 ng	90
107)	Benzo[g,h,i]perylene	15.303	276	362701	110.32 ng	81

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


Abundance
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Quant Not Reviewed
SampleID : WMB4585(MS)
Data File: 5M64837.D
Acq On : 02/24/11 10:18
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02724/11 10:37
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
2-Methylphenol,T
Time-->
Abundance
TIC: 5M64837.D\data.ms
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Hexachlorocyclopentadiene,P
2-Fluorobiphenyl,S
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Acenaphthene-d10,I
2,4-Dinitrophenol,P
4-Nitrophenol,P
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Phenanthrene-d10,I
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->
Abundance
TIC: 5M64837.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	9.32	0	100	9.3	1	93
Phenol	1	60.33	0	100	60	32	98
2-Chlorophenol	1	91.73	0	100	92	64	108
1,4-Dichlorobenzene	1	94.35	0	100	94	52	110
2-Methylphenol	1	91.32	0	100	91	58	113
Hexachloroethane	1	94.05	0	100	94	57	116
N-Nitroso-di-n-propylamine	1	97.05	0	100	97	49	118
3&4-Methylphenol	1	89.69	0	100	90	64	98
Nitrobenzene	1	101.08	0	100	101	80	115
2,4-Dimethylphenol	1	91.89	0	100	92	54	122
1,2,4-Trichlorobenzene	1	90.39	0	100	90	52	120
Naphthalene	1	121.43	36.02	100	85	61	116
Hexachlorobutadiene	1	95.27	0	100	95	61	118
4-Chloro-3-methylphenol	1	100.98	0	100	101	71	119
2,4,6-Trichlorophenol	1	106.98	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.19	0	100	105	89	129
Acenaphthene	1	102.91	5.29	100	98	75	110
2,4-Dinitrotoluene	1	109.21	0	100	109	64	120
4-Nitrophenol	1	73.79	0	100	74	35	116
Fluorene	1	101.38	2.3	100	99	73	113
Hexachlorobenzene	1	102.66	0	100	103	61	120
Pentachlorophenol	1	116.29	0	100	116	76	140
Pyrene	1	106.27	0	100	106	76	118
Butylbenzylphthalate	1	110.92	0	100	111	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.1	0	100	15	1	93
Phenol	1	53.52	0	100	54	32	98
2-Chlorophenol	1	92.2	0	100	92	64	108
1,4-Dichlorobenzene	1	87.66	0	100	88	52	110
2-Methylphenol	1	87.22	0	100	87	58	113
Hexachloroethane	1	90.47	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	96.7	0	100	97	49	118
3&4-Methylphenol	1	82.34	0	100	82	64	98
Nitrobenzene	1	105.36	0	100	105	80	115
2,4-Dimethylphenol	1	97.32	0	100	97	54	122
1,2,4-Trichlorobenzene	1	88.71	0	100	89	52	120
Naphthalene	1	117.52	36.02	100	82	61	116
Hexachlorobutadiene	1	94.18	0	100	94	61	118
4-Chloro-3-methylphenol	1	101.41	0	100	101	71	119
2,4,6-Trichlorophenol	1	108.27	0	100	108	89	124
2,4,5-Trichlorophenol	1	109.47	0	100	109	89	129
Acenaphthene	1	100.97	5.29	100	96	75	110
2,4-Dinitrotoluene	1	106.96	0	100	107	64	120
4-Nitrophenol	1	63.45	0	100	63	35	116
Fluorene	1	100.26	2.3	100	98	73	113
Hexachlorobenzene	1	100.09	0	100	100	61	120
Pentachlorophenol	1	119.38	0	100	119	76	140
Pyrene	1	101.11	0	100	101	76	118
Butylbenzylphthalate	1	109.85	0	100	110	66	127

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Duplicate(If applicable):	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.1	9.32	47 *	27
Phenol	1	53.52	60.33	12	27
2-Chlorophenol	1	92.2	91.73	0.51	21
1,4-Dichlorobenzene	1	87.66	94.35	7.4	30
2-Methylphenol	1	87.22	91.32	4.6	25
Hexachloroethane	1	90.47	94.05	3.9	27
N-Nitroso-di-n-propylamine	1	96.7	97.05	0.36	14
3&4-Methylphenol	1	82.34	89.69	8.5	27
Nitrobenzene	1	105.36	101.08	4.1	27
2,4-Dimethylphenol	1	97.32	91.89	5.7	18
1,2,4-Trichlorobenzene	1	88.71	90.39	1.9	17
Naphthalene	1	117.52	121.43	3.3	16
Hexachlorobutadiene	1	94.18	95.27	1.2	27
4-Chloro-3-methylphenol	1	101.41	100.98	0.42	16
2,4,6-Trichlorophenol	1	108.27	106.98	1.2	27
2,4,5-Trichlorophenol	1	109.47	105.19	4	27
Acenaphthene	1	100.97	102.91	1.9	14
2,4-Dinitrotoluene	1	106.96	109.21	2.1	13
4-Nitrophenol	1	63.45	73.79	15	41
Fluorene	1	100.26	101.38	1.1	14
Hexachlorobenzene	1	100.09	102.66	2.5	27
Pentachlorophenol	1	119.38	116.29	2.6	31
Pyrene	1	101.11	106.27	5	13
Butylbenzylphthalate	1	109.85	110.92	0.97	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

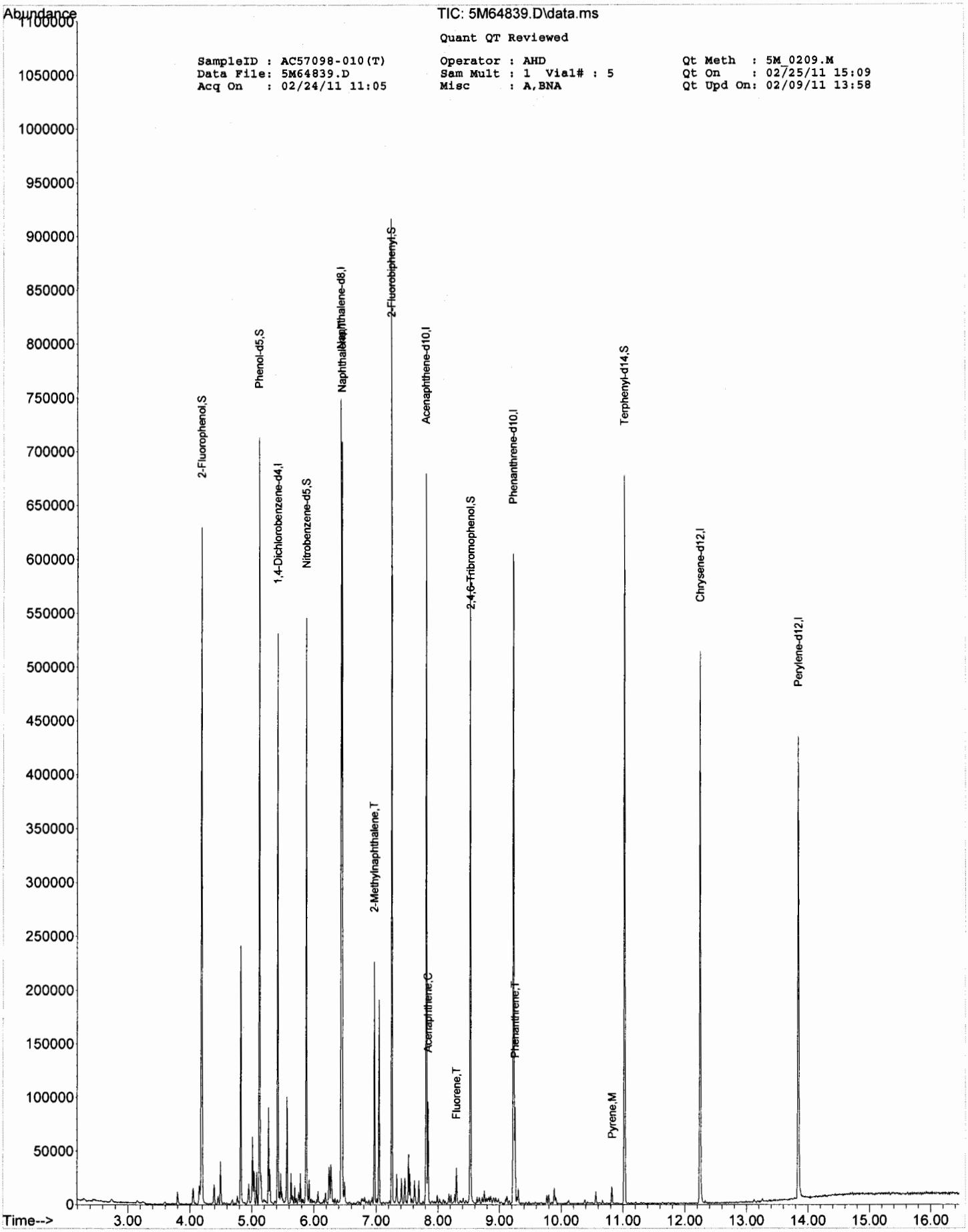
Quantitation Report (QT Reviewed)

SampleID : AC57098-010(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64839.D Sam Mult : 1 Vial# : 5 Qt On : 02/25/11 15:09
Acq On : 02/24/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 13:58

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	56561	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	217578	40.00	ng	-0.03
47) Acenaphthene-d10	7.808	164	120797	40.00	ng	-0.04
74) Phenanthrene-d10	9.223	188	199619	40.00	ng	-0.05
88) Chrysene-d12	12.247	240	159737	40.00	ng	-0.06
100) Perylene-d12	13.839	264	137888	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	162607	87.82	ng	-0.04
Spiked Amount 100.000			Recovery = 87.82%			
15) Phenol-d5	5.120	99	186424	71.33	ng	-0.04
Spiked Amount 100.000			Recovery = 71.33%			
30) Nitrobenzene-d5	5.874	128	47490	50.97	ng	-0.03
Spiked Amount 50.000			Recovery = 101.94%			
52) 2-Fluorobiphenyl	7.252	172	193624	50.77	ng	-0.03
Spiked Amount 50.000			Recovery = 101.54%			
77) 2,4,6-Tribromophenol	8.529	330	30858	106.29	ng	-0.04
Spiked Amount 100.000			Recovery = 106.29%			
91) Terphenyl-d14	11.024	244	178865	56.65	ng	-0.04
Spiked Amount 50.000			Recovery = 113.30%			
Target Compounds						Qvalue
39) Naphthalene	6.451	128	212413	36.02	ng	100
44) 2-Methylnaphthalene	6.969	142	47907	13.56	ng	96
62) Acenaphthene	7.834	153	18584	5.29	ng	95
69) Fluorene	8.299	166	8452	2.30	ng	91
83) Phenanthrene	9.250	178	27866	5.20	ng	100
89) Pyrene	10.821	202	6276	1.10	ng	92

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


Abundance
TIC: 5M64839.D\data.ms
Quant QT Reviewed
SampleID : AC57098-010(T)
Data File: 5M64839.D
Acq On : 02/24/11 11:05
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/25/11 15:09
Qt Upd On: 02/09/11 13:58
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
2-Methylnaphthalene,T
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64840.D Sam Mult : 1 Vial# : 6 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	63027	40.00	ng	-0.03
29) Naphthalene-d8	6.434	136	242915	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	129350	40.00	ng	-0.04
74) Phenanthrene-d10	9.228	188	214515	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	168639	40.00	ng	-0.05
100) Perylene-d12	13.844	264	150252	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	169927	82.36	ng	-0.04
Spiked Amount 100.000			Recovery = 82.36%			
15) Phenol-d5	5.126	99	199158	68.38	ng	-0.04
Spiked Amount 100.000			Recovery = 68.38%			
30) Nitrobenzene-d5	5.874	128	53624	51.55	ng	-0.03
Spiked Amount 50.000			Recovery = 103.10%			
52) 2-Fluorobiphenyl	7.252	172	162134	39.70	ng	-0.03
Spiked Amount 50.000			Recovery = 79.40%			
77) 2,4,6-Tribromophenol	8.529	330	33504	107.39	ng	-0.04
Spiked Amount 100.000			Recovery = 107.39%			
91) Terphenyl-d14	11.023	244	182752	54.83	ng	-0.04
Spiked Amount 50.000			Recovery = 109.66%			
Target Compounds						Qvalue
8) Pyridine	2.454	79	26765	9.32	ng	84
9) N-Nitrosodimethylamine	2.369	74	153707	89.56	ng	88
12) Aniline	5.200	93	228847	70.79	ng	17
14) bis(2-Chloroethyl)ether	5.200	93	228847	95.80	ng	90
16) Phenol	5.136	94	203839	60.33	ng	91
17) 2-Chlorophenol	5.238	128	206030	91.73	ng	91
18) N-Decane	5.291	57	5474	1.72	ng	98
19) 1,3-Dichlorobenzene	5.366	146	215486	93.28	ng	98
20) 1,4-Dichlorobenzene	5.430	146	225068	94.35	ng	97
21) 1,2-Dichlorobenzene	5.558	146	203665	92.05	ng	98
23) bis(2-chloroisopropyl)...	5.660	45	407398	100.04	ng	97
24) 2-Methylphenol	5.644	108	195007	91.32	ng	99
25) Acetophenone	5.756	105	3619	1.04	ng	66
26) Hexachloroethane	5.836	117	93237	94.05	ng	96
27) N-Nitroso-di-n-propyla...	5.761	70	177077	97.05	ng	86
28) 3&4-Methylphenol	5.772	108	211334	89.69	ng	84
31) Nitrobenzene	5.890	77	280199	101.08	ng	93
32) Isophorone	6.087	82	428599	86.03	ng	95
33) 2-Nitrophenol	6.146	139	116077	102.17	ng	90
34) 2,4-Dimethylphenol	6.189	107	210578	91.89	ng	97
35) Benzoic Acid	6.274	105	93642	67.22	ng	96
36) bis(2-Chloroethoxy)met...	6.258	93	287997	100.71	ng	98
37) 2,4-Dichlorophenol	6.338	162	165499	102.56	ng	92
38) 1,2,4-Trichlorobenzene	6.397	180	161625	90.39	ng	100
39) Naphthalene	6.456	128	799416	121.43	ng	99
41) Hexachlorobutadiene	6.547	225	72686	95.27	ng	95
42) Caprolactam	6.862	113	5655	7.47	ng	24
43) 4-Chloro-3-methylphenol	6.862	107	209973	100.98	ng	91
44) 2-Methylnaphthalene	6.974	142	48394	12.27	ng	100
45) Methylnaphthalenes (To...	6.974	142	48394	12.27	ng	100
49) Hexachlorocyclopentadiene	7.092	237	52717	75.02	ng	94
50) 2,4,6-Trichlorophenol	7.188	196	106229	106.98	ng	100
51) 2,4,5-Trichlorophenol	7.220	196	117512	105.19	ng	97
53) 2-Chloronaphthalene	7.353	162	360822	100.33	ng	98
54) 1,4-Dimethylnaphthalene	7.620	156	4993	1.78	ng	90
55) Dimethylnaphthalenes (...	7.620	156	4993	1.78	ng	90
57) 2-Nitroaniline	7.631	65	9957	5.14	ng	50
59) Acenaphthylene	7.695	152	629069	103.75	ng	99
60) Dimethylphthalate	7.578	163	435750	105.81	ng	100
61) 2,6-Dinitrotoluene	7.631	165	98135	108.92	ng	81
62) Acenaphthene	7.839	153	386876	102.91	ng	98
64) 2,4-Dinitrophenol	7.861	184	48870	104.00	ng	69
65) Dibenzofuran	8.101	168	30005	5.89	ng	30
66) 2,4-Dinitrotoluene	7.978	165	129943	109.21	ng	82
67) 4-Nitrophenol	7.925	65	78793	73.79	ng	95
68) 2,3,4,6-Tetrachlorophenol	8.101	232	77882	95.95	ng	98
69) Fluorene	8.304	166	398714	101.38	ng	100
70) 4-Chlorophenyl-phenyle...	8.299	204	162438	101.97	ng	97
71) Diethylphthalate	8.192	149	448464	104.40	ng	99
72) 4-Nitroaniline	8.304	138	6463	5.30	ng	23
73) Atrazine	9.031	200	12579	11.76	ng	35
75) 4,6-Dinitro-2-methylph...	8.347	198	67898	104.22	ng	26

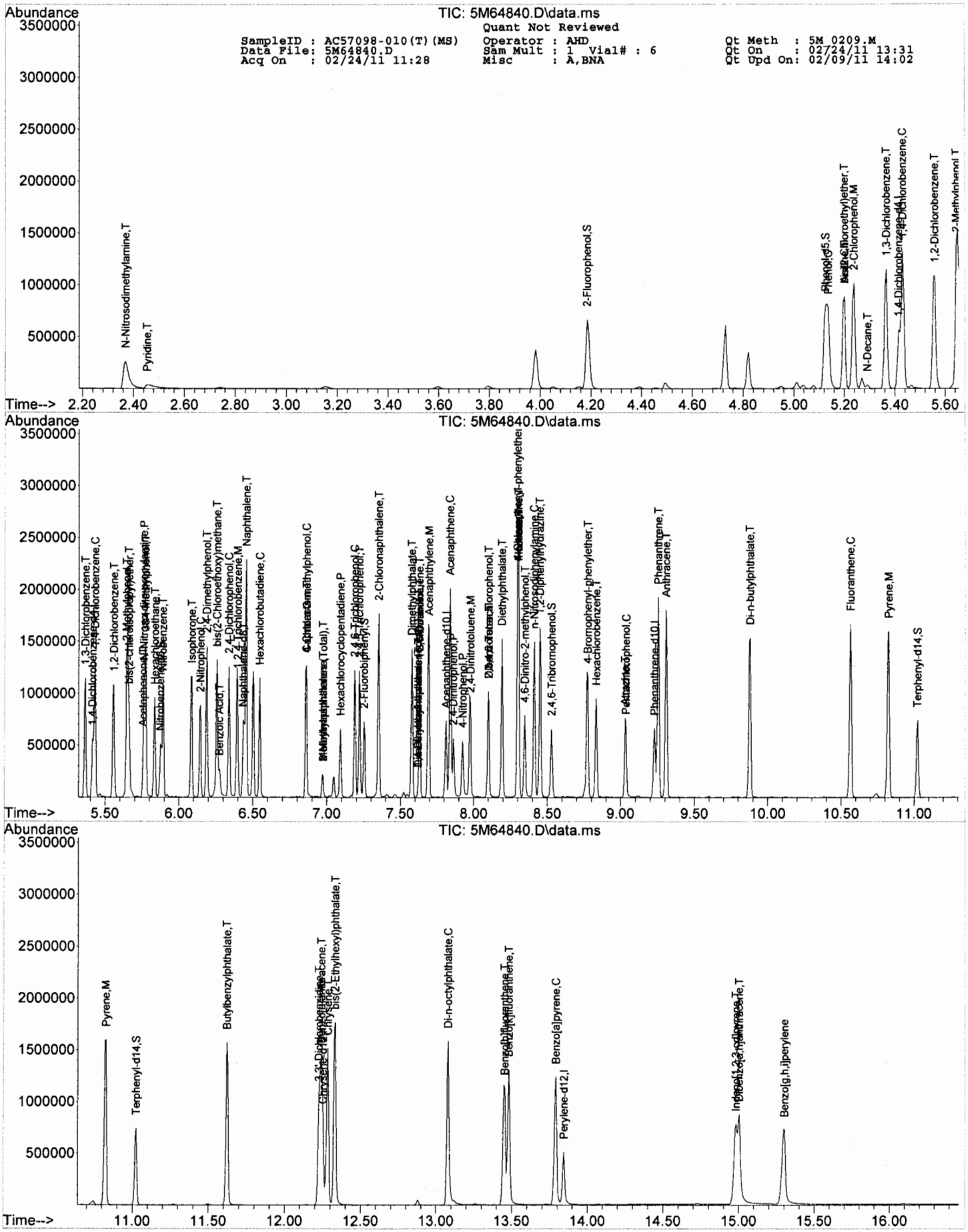
Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64840.D Sam Mult : 1 Vial# : 6 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	n-Nitrosodiphenylamine	8.411	169	289207	85.22	ng	100
78)	1,2-Diphenylhydrazine	8.448	77	619554	105.39	ng	98
79)	4-Bromophenyl-phenylether	8.774	248	92892	115.96	ng	94
80)	Hexachlorobenzene	8.833	284	79020	102.66	ng	92
82)	Pentachlorophenol	9.036	266	52731	116.29	ng	98
83)	Phenanthrene	9.255	178	639698	110.99	ng	99
84)	Anthracene	9.309	178	625171	107.20	ng	99
86)	Di-n-butylphthalate	9.880	149	796468	111.23	ng	99
87)	Fluoranthene	10.564	202	624656	109.57	ng	95
89)	Pyrene	10.826	202	639314	106.27	ng	98
94)	Butylbenzylphthalate	11.622	149	351907	110.92	ng	89
96)	3,3'-Dichlorobenzidine	12.225	252	131282	106.25	ng	97
97)	Benzo[a]anthracene	12.241	228	471283	98.33	ng	99
98)	Chrysene	12.284	228	499944	105.70	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.332	149	504960	114.56	ng	100
101)	Di-n-octylphthalate	13.080	149	810574	98.34	ng	99
102)	Benzo[b]fluoranthene	13.454	252	454193	104.19	ng	99
103)	Benzo[k]fluoranthene	13.481	252	450653	104.18	ng	96
104)	Benzo[a]pyrene	13.791	252	446091	108.48	ng	97
105)	Indeno[1,2,3-cd]pyrene	14.982	276	399945	106.85	ng	82
106)	Dibenzo[a,h]anthracene	15.003	278	345394	111.27	ng	90
107)	Benzo[g,h,i]perylene	15.303	276	349343	110.00	ng	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : AC57098-010(T)(MS)
Data File: 5M64840.D
Acq On : 02/24/11 11:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02724/11 13:31
Qt Upd On: 02/09/11 14:02
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
2-Methylphenol,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64841.D Sam Mult : 1 Vial# : 7 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:52 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	64324	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	244446	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	132780	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	219762	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	175946	40.00	ng	-0.05
100) Perylene-d12	13.844	264	151261	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	155039	73.62	ng	-0.04
Spiked Amount 100.000			Recovery = 73.62%			
15) Phenol-d5	5.126	99	176019	59.22	ng	-0.04
Spiked Amount 100.000			Recovery = 59.22%			
30) Nitrobenzene-d5	5.874	128	56352	53.83	ng	-0.03
Spiked Amount 50.000			Recovery = 107.66%			
52) 2-Fluorobiphenyl	7.252	172	166147	39.63	ng	-0.03
Spiked Amount 50.000			Recovery = 79.26%			
77) 2,4,6-Tribromophenol	8.529	330	35046	109.66	ng	-0.04
Spiked Amount 100.000			Recovery = 109.66%			
91) Terphenyl-d14	11.024	244	189492	54.49	ng	-0.04
Spiked Amount 50.000			Recovery = 108.98%			
Target Compounds						Qvalue
8) Pyridine	2.449	79	44278	15.10	ng	90
9) N-Nitrosodimethylamine	2.369	74	141078	80.54	ng	86
12) Aniline	5.200	93	234101	70.95	ng	17
14) bis(2-Chloroethyl)ether	5.200	93	234101	96.02	ng	88
16) Phenol	5.136	94	184572	53.52	ng	90
17) 2-Chlorophenol	5.238	128	211366	92.20	ng	91
18) N-Decane	5.291	57	5116	1.58	ng	95
19) 1,3-Dichlorobenzene	5.366	146	204132	86.59	ng	99
20) 1,4-Dichlorobenzene	5.430	146	213401	87.66	ng	99
21) 1,2-Dichlorobenzene	5.553	146	200496	88.79	ng	96
23) bis(2-chloroisopropyl)...	5.660	45	408205	98.22	ng	98
24) 2-Methylphenol	5.644	108	190083	87.22	ng	96
25) Acetophenone	5.756	105	3749	1.06	ng	58
26) Hexachloroethane	5.836	117	91534	90.47	ng	95
27) N-Nitroso-di-n-propyla...	5.761	70	180084	96.70	ng	83
28) 3&4-Methylphenol	5.772	108	198006	82.34	ng	85
31) Nitrobenzene	5.890	77	293905	105.36	ng	93
32) Isophorone	6.087	82	443241	88.41	ng	95
33) 2-Nitrophenol	6.146	139	122872	107.47	ng	88
34) 2,4-Dimethylphenol	6.189	107	224436	97.32	ng	97
35) Benzoic Acid	6.269	105	80936	59.12	ng	94
36) bis(2-Chloroethoxy)met...	6.258	93	294584	102.37	ng	99
37) 2,4-Dichlorophenol	6.338	162	171635	105.69	ng	93
38) 1,2,4-Trichlorobenzene	6.392	180	159611	88.71	ng	98
39) Naphthalene	6.456	128	778575	117.52	ng	99
41) Hexachlorobutadiene	6.547	225	72302	94.18	ng	96
42) Caprolactam	6.862	113	5712	7.50	ng	19
43) 4-Chloro-3-methylphenol	6.862	107	212204	101.41	ng	87
44) 2-Methylnaphthalene	6.969	142	48285	12.17	ng	97
45) Methylnaphthalenes (To...	6.969	142	48285	12.17	ng	97
49) Hexachlorocyclopentadiene	7.092	237	55094	76.38	ng	93
50) 2,4,6-Trichlorophenol	7.188	196	110358	108.27	ng	100
51) 2,4,5-Trichlorophenol	7.220	196	125531	109.47	ng	98
53) 2-Chloronaphthalene	7.353	162	370618	100.39	ng	96
54) 1,4-Dimethylnaphthalene	7.621	156	5058	1.75	ng	88
55) Dimethylnaphthalenes (...	7.621	156	5058	1.75	ng	88
57) 2-Nitroaniline	7.631	65	10011	5.04	ng	48
59) Acenaphthylene	7.690	152	649972	104.43	ng	100
60) Dimethylphthalate	7.578	163	445604	105.41	ng	100
61) 2,6-Dinitrotoluene	7.631	165	102238	110.55	ng	79
62) Acenaphthene	7.840	153	389643	100.97	ng	97
64) 2,4-Dinitrophenol	7.861	184	51306	105.84	ng	59
65) Dibenzofuran	8.101	168	30846	5.89	ng	31
66) 2,4-Dinitrotoluene	7.973	165	130649	106.96	ng	97
67) 4-Nitrophenol	7.925	65	69544	63.45	ng	91
68) 2,3,4,6-Tetrachlorophenol	8.101	232	84001	100.81	ng	99
69) Fluorene	8.304	166	404768	100.26	ng	99
70) 4-Chlorophenyl-phenyle...	8.299	204	167897	102.68	ng	96
71) Diethylphthalate	8.192	149	456663	103.56	ng	99
72) 4-Nitroaniline	8.304	138	6222	4.97	ng	25
73) Atrazine	9.031	200	13705	12.48	ng	35
75) 4,6-Dinitro-2-methylph...	8.347	198	72397	107.94	ng	28

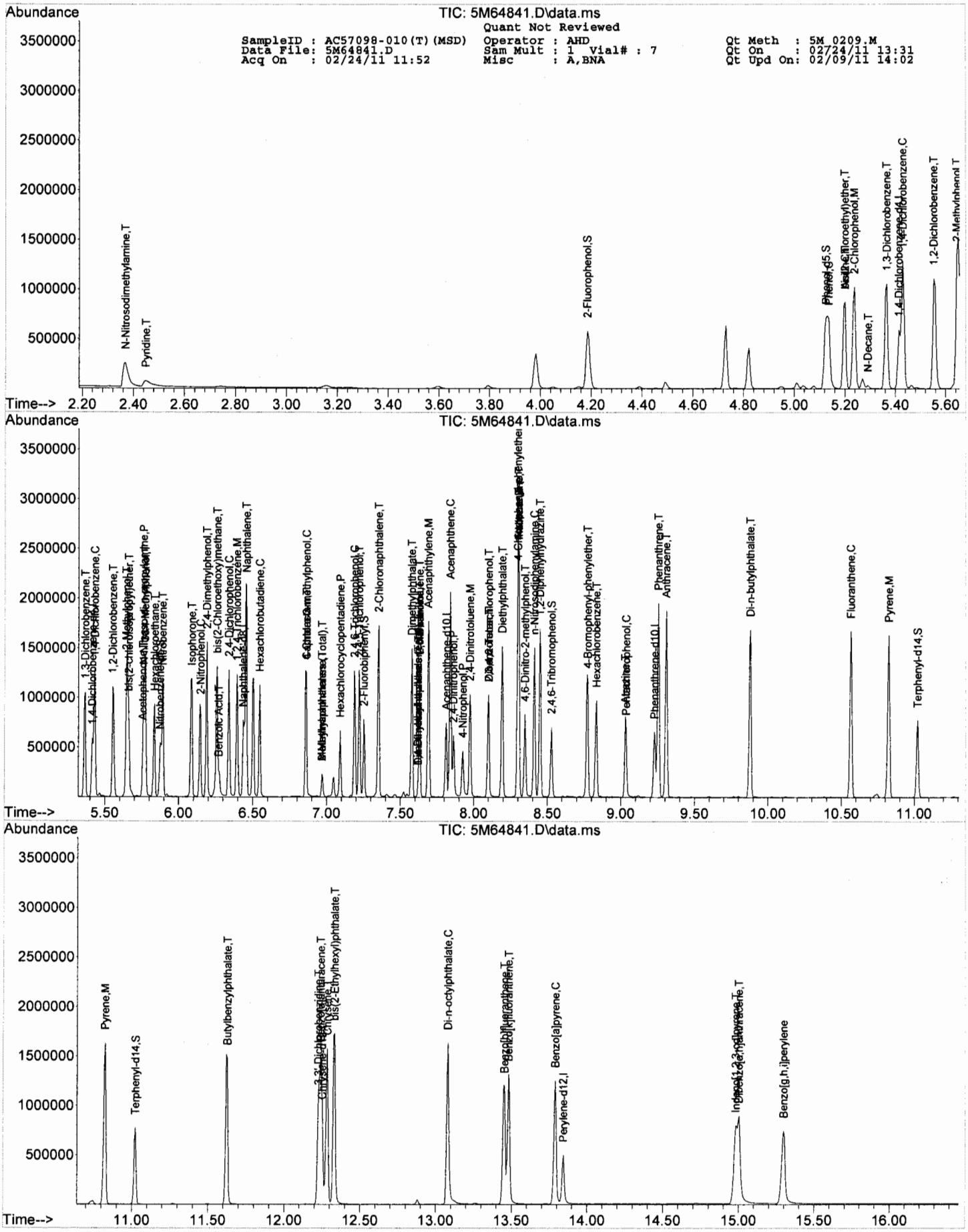
Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64841.D Sam Mult : 1 Vial# : 7 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:52 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	n-Nitrosodiphenylamine	8.411	169	294290	84.65	ng	99
78)	1,2-Diphenylhydrazine	8.449	77	631121	104.80	ng	98
79)	4-Bromophenyl-phenylether	8.774	248	93360	113.77	ng	96
80)	Hexachlorobenzene	8.833	284	78928	100.09	ng	94
82)	Pentachlorophenol	9.036	266	55730	119.38	ng	99
83)	Phenanthrene	9.255	178	660261	111.82	ng	98
84)	Anthracene	9.309	178	627508	105.04	ng	99
86)	Di-n-butylphthalate	9.880	149	819865	111.77	ng	98
87)	Fluoranthene	10.564	202	620175	106.18	ng	93
89)	Pyrene	10.826	202	634579	101.11	ng	98
94)	Butylbenzylphthalate	11.627	149	363594	109.85	ng	97
96)	3,3'-Dichlorobenzidine	12.226	252	136753	106.05	ng	96
97)	Benzo[a]anthracene	12.242	228	486392	97.27	ng	99
98)	Chrysene	12.284	228	511106	103.57	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.332	149	504556	109.72	ng	100
101)	Di-n-octylphthalate	13.080	149	820593	98.89	ng	99
102)	Benzo[b]fluoranthene	13.454	252	457092	104.16	ng	99
103)	Benzo[k]fluoranthene	13.481	252	463692	106.48	ng	96
104)	Benzo[a]pyrene	13.791	252	446981	107.97	ng	97
105)	Indeno[1,2,3-cd]pyrene	14.982	276	408946	108.53	ng	77
106)	Dibenzo[a,h]anthracene	15.004	278	359596	115.07	ng	90
107)	Benzo[g,h,i]perylene	15.297	276	351806	110.03	ng	80

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


Abundance
TIC: 5M64841.D\data.ms
Quant Not Reviewed
SampleID : AC57098-010(T)(MSD)
Data File: 5M64841.D
Acq On : 02/24/11 11:52
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02724/11 13:31
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
2-Methylnaphthalene,T
Time-->

Abundance
TIC: 5M64841.D\data.ms
Time-->

Abundance
TIC: 5M64841.D\data.ms
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M32515.D	WMB4624(MS)	3/1/2011 10:05:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	34.57	0	100	35	1	93
Phenol	1	38.25	0	100	38	32	98
2-Chlorophenol	1	87.95	0	100	88	64	108
1,4-Dichlorobenzene	1	93.06	0	100	93	52	110
2-Methylphenol	1	80.38	0	100	80	58	113
Hexachloroethane	1	91.13	0	100	91	57	116
N-Nitroso-di-n-propylamine	1	93.27	0	100	93	49	118
3&4-Methylphenol	1	75.93	0	100	76	64	98
Nitrobenzene	1	102.35	0	100	102	80	115
2,4-Dimethylphenol	1	85.79	0	100	86	54	122
1,2,4-Trichlorobenzene	1	90.96	0	100	91	52	120
Naphthalene	1	90.88	0	100	91	61	116
Hexachlorobutadiene	1	92.77	0	100	93	61	118
4-Chloro-3-methylphenol	1	97.4	0	100	97	71	119
2,4,6-Trichlorophenol	1	101.47	0	100	101	89	124
2,4,5-Trichlorophenol	1	103.11	0	100	103	89	129
Acenaphthene	1	94.23	0	100	94	75	110
2,4-Dinitrotoluene	1	98.21	0	100	98	64	120
4-Nitrophenol	1	38.46	0	100	38	35	116
Fluorene	1	95.74	0	100	96	73	113
Hexachlorobenzene	1	96.9	0	100	97	61	120
Pentachlorophenol	1	103.35	0	100	103	76	140
Pyrene	1	102.49	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4624(MS) Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32515.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/11 10:52
Acq On : 03/ 1/11 10:05 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.505	152	88044	40.00	ng	0.00
29) Naphthalene-d8	6.526	136	341787	40.00	ng	0.00
47) Acenaphthene-d10	7.906	164	188691	40.00	ng	-0.01
74) Phenanthrene-d10	9.324	188	308599	40.00	ng	-0.01
88) Chrysene-d12	12.351	240	241322	40.00	ng	0.00
100) Perylene-d12	13.945	264	200889	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	193830	66.99	ng	0.00
Spiked Amount 100.000			Recovery = 66.99%			
15) Phenol-d5	5.200	99	182691	44.34	ng	0.00
Spiked Amount 100.000			Recovery = 44.34%			
30) Nitrobenzene-d5	5.965	128	80397	56.16	ng	0.00
Spiked Amount 50.000			Recovery = 112.32%			
52) 2-Fluorobiphenyl	7.345	172	287072	47.51	ng	-0.01
Spiked Amount 50.000			Recovery = 95.02%			
77) 2,4,6-Tribromophenol	8.623	330	45048	118.71	ng	-0.01
Spiked Amount 100.000			Recovery = 118.71%			
91) Terphenyl-d14	11.115	244	290541	59.55	ng	-0.01
Spiked Amount 50.000			Recovery = 119.10%			
Target Compounds						Qvalue
8) Pyridine	2.574	79	121154	34.57	ng	78
9) N-Nitrosodimethylamine	2.504	74	152733	71.72	ng	78
12) Aniline	5.291	93	319521	63.81	ng	17
14) bis(2-Chloroethyl)ether	5.291	93	319521	95.70	ng	82
16) Phenol	5.216	94	173562	38.25	ng	84
17) 2-Chlorophenol	5.323	128	286540	87.95	ng	86
19) 1,3-Dichlorobenzene	5.457	146	302363	89.93	ng	97
20) 1,4-Dichlorobenzene	5.521	146	319730	93.06	ng	99
21) 1,2-Dichlorobenzene	5.644	146	293308	91.44	ng	98
23) bis(2-chloroisopropyl)...	5.745	45	469841	94.93	ng	95
24) 2-Methylphenol	5.729	108	241636	80.38	ng	99
26) Hexachloroethane	5.922	117	116786	91.13	ng	98
27) N-Nitroso-di-n-propyla...	5.852	70	232722	93.27	ng	72
28) 3&4-Methylphenol	5.858	108	235246	75.93	ng	87
31) Nitrobenzene	5.981	77	334382	102.35	ng	82
32) Isophorone	6.179	82	526774	83.32	ng	83
33) 2-Nitrophenol	6.232	139	152543	102.57	ng	89
34) 2,4-Dimethylphenol	6.270	107	263710	85.79	ng	91
35) Benzoic Acid	6.361	105	72749	39.79	ng	88
36) bis(2-Chloroethoxy)met...	6.344	93	371533	98.12	ng	95
37) 2,4-Dichlorophenol	6.425	162	219001	96.78	ng	90
38) 1,2,4-Trichlorobenzene	6.478	180	222726	90.96	ng	98
39) Naphthalene	6.542	128	873824	90.88	ng	99
41) Hexachlorobutadiene	6.633	225	101279	92.77	ng	95
42) Caprolactam	6.938	113	7382	6.82	ng	15
43) 4-Chloro-3-methylphenol	6.938	107	267456	97.40	ng	87
49) Hexachlorocyclopentadiene	7.179	237	79609	79.57	ng	99
50) 2,4,6-Trichlorophenol	7.275	196	144321	101.47	ng	99
51) 2,4,5-Trichlorophenol	7.307	196	155044	103.11	ng	98
53) 2-Chloronaphthalene	7.446	162	534868	101.16	ng	95
57) 2-Nitroaniline	7.724	65	10009	4.78	ng	42
59) Acenaphthylene	7.783	152	926991	103.97	ng	100
60) Dimethylphthalate	7.671	163	638427	104.23	ng	98
61) 2,6-Dinitrotoluene	7.724	165	140781	109.94	ng	61
62) Acenaphthene	7.933	153	540017	94.23	ng	97
64) 2,4-Dinitrophenol	7.954	184	61920	102.61	ng	86
65) Dibenzofuran	8.190	168	41024	5.28	ng	31
66) 2,4-Dinitrotoluene	8.067	165	181389	98.21	ng	72
67) 4-Nitrophenol	8.003	65	53587	38.46	ng	97
68) 2,3,4,6-Tetrachlorophenol	8.190	232	106931	97.95	ng	94
69) Fluorene	8.398	166	605755	95.74	ng	100
70) 4-Chlorophenyl-phenyle...	8.393	204	256672	99.84	ng	95
71) Diethylphthalate	8.286	149	618733	99.13	ng	97
72) 4-Nitroaniline	8.398	138	7945	4.55	ng	23
73) Atrazine	9.126	200	18363	11.54	ng	35
75) 4,6-Dinitro-2-methylph...	8.446	198	89426	104.00	ng	50
76) n-Nitrosodiphenylamine	8.505	169	435789	79.73	ng	99
78) 1,2-Diphenylhydrazine	8.543	77	699501	97.78	ng	87
79) 4-Bromophenyl-phenylether	8.869	248	134200	110.99	ng	99
80) Hexachlorobenzene	8.928	284	104563	96.90	ng	92
82) Pentachlorophenol	9.126	266	76497	103.35	ng	97
83) Phenanthrene	9.350	178	871170	101.26	ng	99

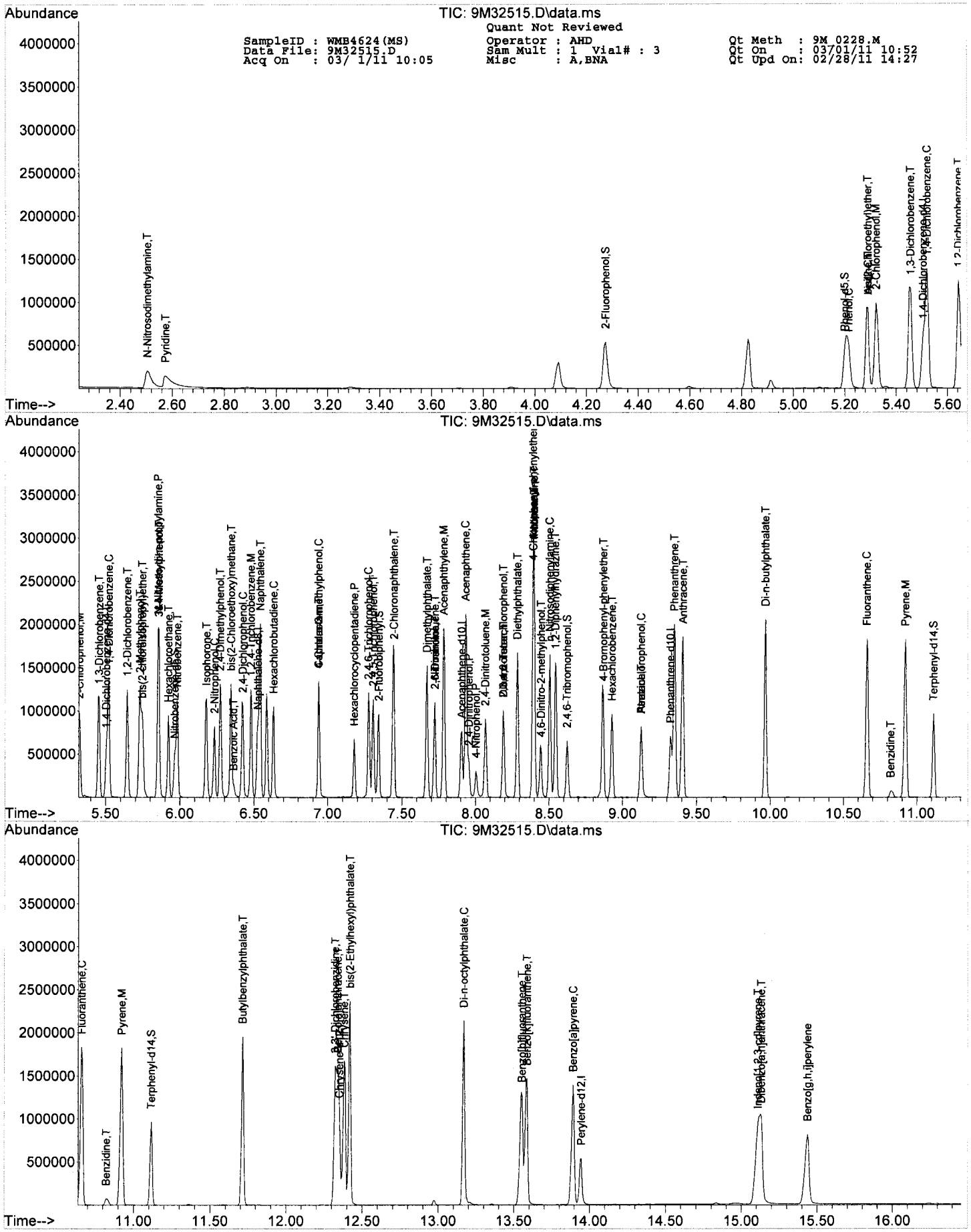
Quantitation Report (Not Reviewed)

SampleID : WMB4624(MS) Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32515.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/11 10:52
Acq On : 03/ 1/11 10:05 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Anthracene	9.409	178	850720	97.69	ng	100
86)	Di-n-butylphthalate	9.971	149	1116677	107.38	ng	98
87)	Fluoranthene	10.661	202	867668	100.62	ng	97
89)	Pyrene	10.923	202	875927	102.49	ng	98
90)	Benzidine	10.821	184	26123	6.13	ng	93
94)	Butylbenzylphthalate	11.714	149	476652	107.25	ng	80
96)	3,3'-Dichlorobenzidine	12.324	252	214568	110.11	ng	99
97)	Benzo[a]anthracene	12.340	228	677941	95.94	ng	100
98)	Chrysene	12.383	228	672680	99.32	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.421	149	645832	109.59	ng	91
101)	Di-n-octylphthalate	13.169	149	1070247	96.77	ng	100
102)	Benzo[b]fluoranthene	13.554	252	623680	103.05	ng	99
103)	Benzo[k]fluoranthene	13.587	252	605819	101.61	ng	99
104)	Benzo[a]pyrene	13.891	252	586436	104.16	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.111	276	565219	101.36	ng	88
106)	Dibenzo[a,h]anthracene	15.132	278	468842	107.34	ng	94
107)	Benzo[g,h,i]perylene	15.437	276	482865	104.21	ng	90

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


Abundance
TIC: 9M32515.D\data.ms
Quant Not Reviewed
SampleID : WMB4624(MS)
Data File: 9M32515.D
Acq On : 03/ 1/11 10:05
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 03/01/11 10:52
Qt Upd On: 02/28/11 14:27
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 9M32515.D\data.ms
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Acenaphthene,C
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
2,4,6-Tribromophenol,S
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->
Abundance
TIC: 9M32515.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4657

Data File	Sample ID:	Analysis Date
Spike or Dup: 5M65035.D	WMB4657(MS)	3/4/2011 12:18:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	5.83	0	100	5.8	1	93
Phenol	1	39.55	0	100	40	32	98
2-Chlorophenol	1	87.28	0	100	87	64	108
1,4-Dichlorobenzene	1	90.28	0	100	90	52	110
2-Methylphenol	1	80.07	0	100	80	58	113
Hexachloroethane	1	90.17	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	93.31	0	100	93	49	118
3&4-Methylphenol	1	73	0	100	73	64	98
Nitrobenzene	1	94.17	0	100	94	80	115
2,4-Dimethylphenol	1	86.78	0	100	87	54	122
1,2,4-Trichlorobenzene	1	85.17	0	100	85	52	120
Naphthalene	1	90	0	100	90	61	116
Hexachlorobutadiene	1	90.07	0	100	90	61	118
4-Chloro-3-methylphenol	1	98.86	0	100	99	71	119
2,4,6-Trichlorophenol	1	95.09	0	100	95	89	124
2,4,5-Trichlorophenol	1	97.72	0	100	98	89	129
Acenaphthene	1	90.74	0	100	91	75	110
2,4-Dinitrotoluene	1	104.94	0	100	105	64	120
4-Nitrophenol	1	41.88	0	100	42	35	116
Fluorene	1	86.45	0	100	86	73	113
Hexachlorobenzene	1	90.54	0	100	91	61	120
Pentachlorophenol	1	97.29	0	100	97	76	140
Pyrene	1	91.81	0	100	92	76	118
Butylbenzylphthalate	1	96.78	0	100	97	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4657(MS) Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65035.D Sam Mult : 1 Vial# : 3 Qt On : 03/04/11 12:34
Acq On : 03/ 4/11 12:18 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	79545	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	310429	40.00	ng	0.00
51) Acenaphthene-d10	7.797	164	173321	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	299455	40.00	ng	0.00
102) Chrysene-d12	12.236	240	235736	40.00	ng	0.00
115) Perylene-d12	13.828	264	203818	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	169828	64.15	ng	0.00
Spiked Amount 100.000			Recovery = 64.15%			
16) Phenol-d5	5.109	99	169877	46.85	ng	0.00
Spiked Amount 100.000			Recovery = 46.85%			
32) Nitrobenzene-d5	5.863	128	71553	54.05	ng	0.00
Spiked Amount 50.000			Recovery = 108.10%			
56) 2-Fluorobiphenyl	7.241	172	224175	40.20	ng	0.00
Spiked Amount 50.000			Recovery = 80.40%			
88) 2,4,6-Tribromophenol	8.518	330	48067	119.89	ng	0.00
Spiked Amount 100.000			Recovery = 119.89%			
105) Terphenyl-d14	11.007	244	250762	54.58	ng	0.00
Spiked Amount 50.000			Recovery = 109.16%			
Target Compounds						Qvalue
8) Pyridine	2.449	79	21576	5.83	ng	80
9) N-Nitrosodimethylamine	2.348	74	142070	64.66	ng	86
15) bis(2-Chloroethyl)ether	5.184	93	267897	87.84	ng	93
17) Phenol	5.120	94	161816	39.55	ng	91
18) 2-Chlorophenol	5.222	128	240441	87.28	ng	92
20) 3-Chlorophenol	6.488	128	15884	5.93	ng	78
21) 1,3-Dichlorobenzene	5.350	146	264085	89.57	ng	98
22) 1,4-Dichlorobenzene	5.419	146	270594	90.28	ng	98
23) 1,2-Dichlorobenzene	5.542	146	256161	92.19	ng	98
25) bis(2-chloroisopropyl)...	5.644	45	472110	90.45	ng	99
26) 2-Methylphenol	5.633	108	212687	80.07	ng	97
28) Hexachloroethane	5.820	117	113166	90.17	ng	94
29) N-Nitroso-di-n-propyla...	5.751	70	202607	93.31	ng	83
30) 3&4-Methylphenol	5.761	108	206426	73.00	ng	87
33) Nitrobenzene	5.879	77	335603	94.17	ng	93
34) Isophorone	6.076	82	585263	94.52	ng	96
35) 2-Nitrophenol	6.135	139	139472	99.84	ng	92
36) 2,4-Dimethylphenol	6.173	107	253162	86.78	ng	94
37) Benzoic Acid	6.258	105	85175	45.67	ng	94
38) bis(2-Chloroethoxy)met...	6.247	93	331636	90.89	ng	97
39) 2,4-Dichlorophenol	6.322	162	192588	94.08	ng	94
40) 1,2,4-Trichlorobenzene	6.381	180	195778	85.17	ng	99
41) Naphthalene	6.440	128	739581	90.00	ng	99
44) Hexachlorobutadiene	6.536	225	89712	90.07	ng	97
45) Caprolactam	6.846	113	6672	7.58	ng	29
46) 4-Chloro-3-methylphenol	6.846	107	242782	98.86	ng	98
53) Hexachlorocyclopentadiene	7.081	237	50569	58.46	ng	94
54) 2,4,6-Trichlorophenol	7.177	196	125898	95.09	ng	99
55) 2,4,5-Trichlorophenol	7.209	196	141048	97.72	ng	96
58) 2-Chloronaphthalene	7.343	162	425225	88.82	ng	98
59) 3,4-Dichlorophenol	7.343	162	425225	200.04	ng	51
66) Acenaphthylene	7.679	152	680444	84.09	ng	100
67) Dimethylphthalate	7.567	163	511764	95.45	ng	100
68) 2,6-Dinitrotoluene	7.620	165	116911	100.15	ng	80
69) Acenaphthene	7.829	153	453257	90.74	ng	94
71) 2,4-Dinitrophenol	7.850	184	61805	98.14	ng	71
75) 2,4-Dinitrotoluene	7.962	165	160284	104.94	ng	96
76) 4-Nitrophenol	7.909	65	61727	41.88	ng	91
77) 2,3,4,5-Tetrachlorophenol	8.085	232	93497	86.64	ng	98
78) 2,3,4,6-Tetrachlorophenol	8.085	232	93497	96.66	ng	98
79) Fluorene	8.288	166	447885	86.45	ng	97
80) 4-Chlorophenyl-phenyle...	8.288	204	182713	86.46	ng	98
81) Diethylphthalate	8.181	149	532908	95.00	ng	99
82) 4-Nitroaniline	8.288	138	7007	4.62	ng	29
84) Atrazine	9.015	200	15636	11.69	ng	35
86) 4,6-Dinitro-2-methylph...	8.336	198	84210	94.85	ng	31
87) n-Nitrosodiphenylamine	8.395	169	351584	72.64	ng	97
89) 1,2-Diphenylhydrazine	8.438	77	773531	87.74	ng	96
90) 4-Bromophenyl-phenylether	8.758	248	104878	98.10	ng	92
91) Hexachlorobenzene	8.817	284	96170	90.54	ng	96
93) Pentachloronitrobenzene	9.020	237	2633	5.12	ng	79
94) Pentachlorophenol	9.020	266	64294	97.29	ng	94

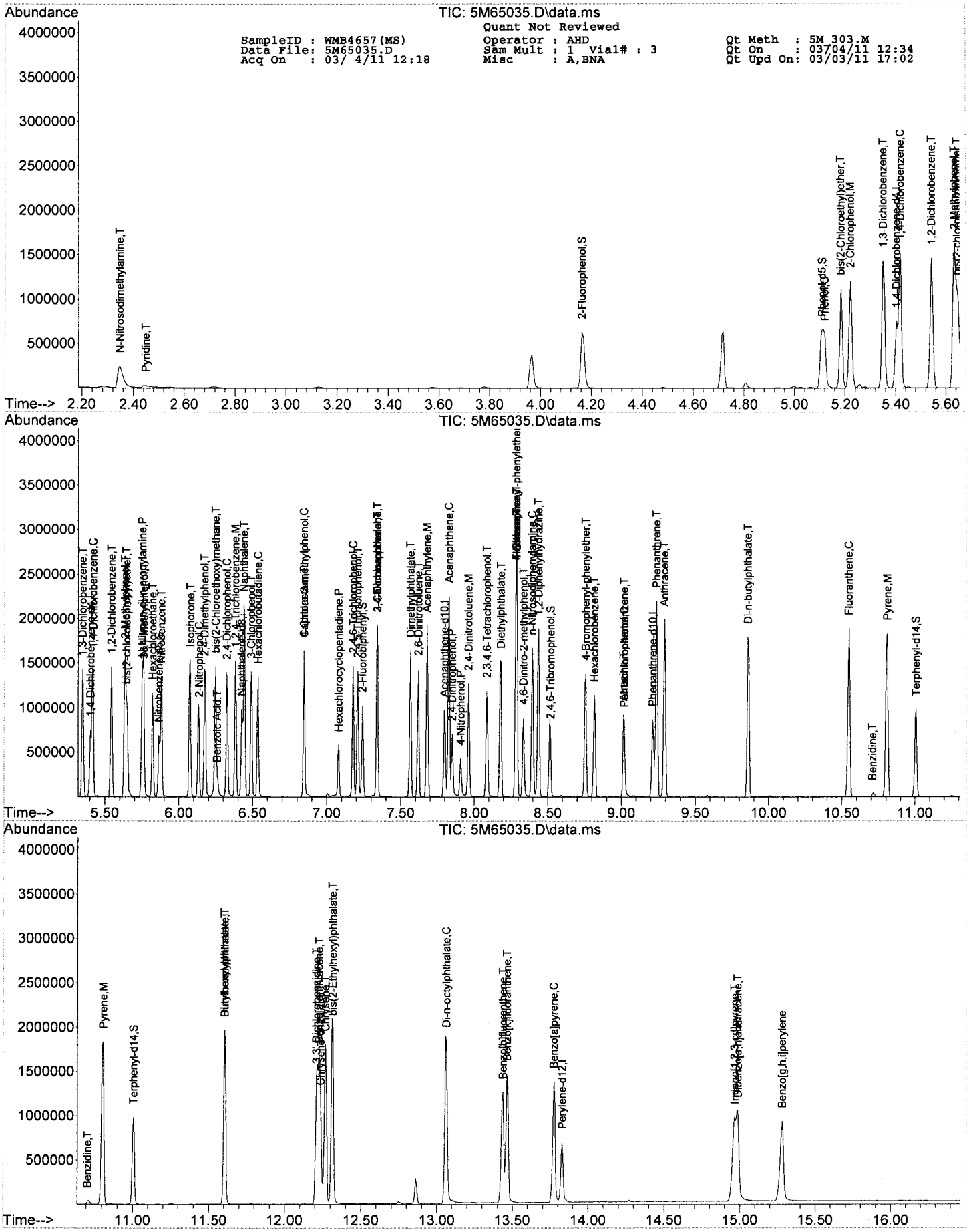
Quantitation Report (Not Reviewed)

SampleID : WMB4657(MS) Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65035.D Sam Mult : 1 Vial# : 3 Qt On : 03/04/11 12:34
Acq On : 03/ 4/11 12:18 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	Phenanthrene	9.239	178	723928	89.76	ng	99
96)	Anthracene	9.292	178	700656	87.32	ng	99
99)	Di-n-butylphthalate	9.859	149	936904	99.87	ng	99
101)	Fluoranthene	10.548	202	715631	92.28	ng	94
103)	Pyrene	10.810	202	760974	91.81	ng	98
104)	Benzidine	10.708	184	7890	2.26	ng	93
108)	Di-n-hexyl phthalate	11.606	149	433492	40.07	ng	100
109)	Butylbenzylphthalate	11.606	149	433607	96.78	ng	89
111)	3,3'-Dichlorobenzidine	12.209	252	188900	106.04	ng	97
112)	Benzo[a]anthracene	12.225	228	557488	84.84	ng	99
113)	Chrysene	12.268	228	588893	88.71	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.316	149	599547	98.84	ng	99
116)	Di-n-octylphthalate	13.064	149	1042045	109.10	ng	99
117)	Benzo[b]fluoranthene	13.438	252	549737	101.53	ng	98
118)	Benzo[k]fluoranthene	13.465	252	478320	82.55	ng	98
119)	Benzo[a]pyrene	13.775	252	492558	91.59	ng	97
120)	Indeno[1,2,3-cd]pyrene	14.966	276	486929	97.51	ng	78
121)	Dibenzo[a,h]anthracene	14.987	278	413390	101.27	ng	92
122)	Benzo[g,h,i]perylene	15.281	276	421781	97.47	ng	91

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


Abundance
TIC: 5M65035.D\data.ms
Quant Not Reviewed
SampleID : WMB4657(MS)
Data File: 5M65035.D
Acq On : 03/ 4/11 12:18
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/04/11 12:34
Qt Upd On: 03/03/11 17:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M65035.D\data.ms
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,P
2,4,6-Trichlorophenol,C
2-Fluorobiphenyl,S
Dimethylphthalate,T
2,6-Dinitrotoluene,T
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
n-Nitrosodiphenylamine,C
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M65035.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

SPLP
GC/MS Semi-Volatile Data
Logbook Data

QC4536

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/15/2011

Blank Spike (MBS): _____ Matrix Spike: 4536

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4536	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3
MBS 4536	X	↓	↓		↓				-001	V-1014
MS57098-001	X	500.0mL	0.5mL				½ spk; ½ surr			(2/11/11)
MSD57098-001	X	↓	↓				↓	↓		
AC57098-001	1	↓	↓						1	1
AC57100-001	2	1000.0mL	1.0mL						2	2
EF3 V-1014 (2/11/11)	X	↓	↓		↓					EF3 V-1014
AC57098-002	3	↓	↓		↓				3	(2/12/11) (1)
AC57100-003	4	↓	↓		↓				4	2
EF3 V-1014 (2/12/11)	X	↓	↓		↓					EF-3 V-1014 (2/13/11)
AC57098-003	5	↓	↓		↓				5	1
AC57100-004	6	↓	↓		↓				6	2
EF3 V-1014 (2/13/11)	X	↓	↓		↓					EF3 V-1014 (2/14/11)
AC57098-004	7	↓	↓		↓				7	1
AC57100-005	8	↓	↓		↓		AC57100-005		8	2
EF3 V-1014 (2/14/11)	X	↓	↓		↓		↓	↓		

(FOR MONOLITH SAMPLES ONLY)

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN Spk
↓	↓	V-5577	Acid Comp
↓	↓	V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: $MeCl_2$ V-5578 Acetone _____ Hexane _____ Na_2SO_4 V-5525

Other _____

Relinquished By: ABM Date: 02/15/2011

Received By: CJ Date: 02/16/11

QC4557

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/17/2011
Blank Spike (MBS): _____ Matrix Spike: 4536

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4557	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3 V-1014
MBS 4557	X	↓	↓		↓			↓	-001	
AC57098-005	9								9	(2/15/11) (1)
AC57100-006	10								10	2
EF3 V-1014 (2/15/11)	X									EF3 V-1014
AC57098-006	11								11	(2/16/11) (1)
AC57100-007	12								12	2
EF3 V-1014 (2/16/11)	X									EF3 V-1014
AC57098-007	13								13	(2/17/11) (1)
AC57100-008	14								14	2
EF3 V-1014 (2/17/11)	X	↓	↓		↓			↓		

(FOR MONOLITH ONLY)

MBS failed

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	Acid Comp
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5578 Acetone _____ Hexane _____ Na2SO4 V 5525

Other _____

Relinquished By: ABM Date: 02/17/11
Received By: _____ Date: 02/18/11

QC4565

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____
Blank Spike (MBS): _____

Date: 02/20/2011
Matrix Spike: ~~4546~~ 4536
P 02/22

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4565	x	1000.0mL	1.0mL		x			ABM		
MBS 4565	x	↓	↓		↓			↓		
AC57098-005	R	500.0mL	0.5mL				½ SURR			
AC57098-006	↓	↓	↓				↓			
AC57098-007										
AC57100-006										
AC57100-007										
AC57100-008										
EF3 V-1014 (2/15/11)										
EF3 V-1014 (2/16/11)										
EF3 V-1014 (2/17/11)										
AC57272-004		980.0mL	1.0mL							
AC57262-007	↓	1000.0mL	↓	X				↓		

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	ACID Comp
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/20/2011
Received By: JLS Date: 02/22/11

QC4585

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/23/2011

Blank Spike (MBS): _____ Matrix Spike: 4536; 4585

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4585	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3
MBS4585	X								-001	V-1014
AC 57098-008	15								15	(2/18/11)(1)
AC 57100-009	16								16	2
EF3 V-1014 (2/18/11)	X									EF-3 V-1014 (2/19/11)(1)
AC 57098-009	17								17	
AC57100-010	18								18	2
EF-3 V-1014 (2/19/11)	X								EF-3	V-1014
AC 57098-011	19								19	(2/21/11)(1)
AC 57100-012	20								20	2
EF3 V-1014 (2/21/11)	X									EF3 V-1014
MS AC 57098-010	X	500.0mL	0.5mL				½ SURR		AC57098	(2/20/11)
MSD AC57098-010	X								-010	
AC 57098-010	1								1	1
AC 57100-011	2	1000.0mL	1.0mL						2	2
EF3 V-1014 (2/20/11)	X									

(FOR MONOLITH SAMPLES ONLY)

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
		V-5577	ACID COMP
		V-91837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/23/2011

Received By: JLS Date: 02/24/11

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/28/2011

Blank Spike (MBS): _____ Matrix Spike: 4585

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB4624	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3 V-1014
MBS4624	X								-010	(2/22/11)
AC57098-012	3								3	1
AC57100-013	4								4	2
EF3 V-1014 (2/22/11)	X								EF3 V-1014 (2/23/11)	
AC57098-013	5								5	1
AC57100-014	6								6	2
EF3 V-1014 (2/23/11)	X								EF-3 V-1014 (2/24/11)	
AC57098-014	7								7	1
AC57100-015	8								8	2
EF3 V-1014 (2/24/11)	X								EF3 V-1014 (2/25/11)	
AC57098-015	9								9	1
AC57100-016	10								10	2
EF3 V-1014 (2/25/11)	X									

(FOR MONOLITH SAMPLES ONLY)

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	ACID COMP
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/28/2011

Received By: JLS Date: 02/03/01/11

TB 03/01

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QC4657

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 03/03/2011

Blank Spike (MBS): _____ Matrix Spike: 4585

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4657	X	1000.0mL	1.0mL		X			ABM	AC57098-010	EF3 V-1014 (2/26/11)
MBS 4657	X	↓	↓		↓			↓	11	1
AC57098-016	11								12	2
AC57100-017	12								EF3 V-1014 (2/27/11)	
EF3 V-1014 (2/26/11)	X								13	1
AC57098-017	13								14	2
AC57100-018	14								EF3 V-1014 (2/28/11)	
EF3 V-1014 (2/27/11)	X								15	1
AC57098-018	15								16	2
AC57100-019	16								EF3 V-1014 (3/1/11)	
EF3 V-1014 (2/28/11)	X								17	1
AC57098-019	17								18	2
AC57100-020	18								EF3 V-1014 (3/2/11)	
EF3 V-1014 (3/1/11)	X								19	1
AC57098-020	19								20	2
AC57100-021	20									
EF3 V-1014 (3/2/11)	X									

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5334	BN SPK
↓	↓	V-5577	ACID Comp
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 03/03/11

Received By: _____ Date: 03/04/11

0477

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 02/10/2011 **Finish Date:** 2/11/11

**TCLP Ext. Fluid #1 pH: 4.91 (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: D.I. 4.57 (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

	Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC	57100-001	—	—	11.15	D.I.	2L	10:00	10:00	CJA/JS	SP	
AC	57098-001	—	—	10.76	↓	↓	↓	↓	↓	↓	
	DI-blank	4.57	—	5.44	↓	↓	↓	↓	↓	↓	
	57214-003	5.75	1.78	4.88	EF-1 107674	100g/2L	1600	1000	JS	T	
	EF-1-107674	—	—	4.88	↓	2L	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0470

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI = 6.92

Start Date: 2/14/10 **Finish Date:** 2/15/11

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC57198-001	11.52	1.79	11.58	EF-1 1076074	150g/3L	14:00	0800	JC	T	organics and metals
AC57231e-010	6.65	2.01	4.91	↓	100g/2L				↓	organics
AC5720-001	6.74	—	5.15	SPLP Fluid 1060794					P	
AC57141-001	5.85	—	6.41	↓					↓	
SPLP Fluid 1060794	~~5.84~~ DI DMW	4.15	5.08	—	↓	↓		↓	↓	
57098-00~~4~~5	—	—	10.37	~~DI~~	1 man /2L	11:30		JS	P	
57100-~~1~~0056	—	—	10.72	↓	↓					
DI Blank	—	—	6.33	↓	2L	↓		↓	↓	
EF-1 1076074	4.88	—	4.88	—	3L	14:00	↓	JC	T	organics and metals

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 2/19/11 (2/21)

Finish Date: 2/20/11

D1 7.27

**TCLP Ext. Fluid #1 pH: _____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time (JPC 2/21/11)	Finish Time (JPC 2/19/11)	Analyst (s)	Ext. Type*	Comments
JPC 2/14/11 57098-010	—		10.26	D1 Blank 2/20	1 mon / 2000 ml	~~12:45~~ 12:25	~~12:45~~ 12:25	GPC	P	
D1 2/19/11 ~~57098-011~~ 57100-011	—		10.30	↓	↓	↓	↓	↓	↓	
D1 BLANK	—		8.16	↓	2000 ml	↓	↓	↓	↓	
						—				

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0480

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI 7.04
TCLP EF-1 = 4.97

Start Date: 2/24/11 Finish Date: 2/25/11

**TCLP Ext. Fluid #1 pH: _____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time/ID	Analyst (s)	Ext. Type*	Comments
AC57396-001	8.82	—	9.91	SPLP Fluid 109139	100g/2L	16:00	~~16:00~~ JD	~~JC~~ 2/24/11 JC	P	Organics only
AC57396-002	7.51	—	7.95	↓	↓	↓	10:00	↓	↓	↓
SPLP Fluid 109139	4.02	—	9.84	↓	↓	↓	↓	↓	↓	↓
AC57379-001	8.18	1.77	4.94	EF-1 108537	↓	↓	↓	↓	T	Metals only
EF-1 108537	4.97	—	4.91	↓	~~1009~~/1000g/600ml	↓	↓	↓	↓	↓
57098-015	—	—	10:30	DI Blk 2/25/11	~~1009~~/1000g/600ml	1330	13:40	JS	P	
57100-016	—	—	10.67	↓	1000g/2000ml	↓	↓	↓	↓	
DI Blank	—	—	5.50	↓	2000ml	↓	JC 2/24/11	↓	↓	
AC57359-002	8.32	— JC	9.94	SPLP Fluid 109139	100g/2L	16:00	~~10:00~~	~~JS~~ JC 2/24/11	P	Organics only
AC57330-003	12.21	3.10	2/24/11 6.02	EF-2 109145	↓	↓	10:00	↓	T	Metals and Organics
EF-2 109145	4.84	—	2.99	↓	2L	↓	↓	↓	T	↓

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI H_2O = 7.45

Start Date: 3/1/11 **Finish Date:** 3/2/11

**TCLP Ext. Fluid #1 pH:_____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:_____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:_____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
57098- ~~019~~ 020 3/1/11	—		10.13	DI 3/1am 3/2/11	1non/2000	1450	1450	JS	P	
57100- ~~020~~ 021 3/1/11	—		10.24	↓	↓	↓	↓	↓	↓	
DI 3/1am 3/2/11	—		7.10	↓	2000	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

1-1-5M64598

RUN LOG

Instrument: GCMS_5 Year: 0482
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64598.	CAL DFTPP	Ed1=4.2;Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:20
5M64599.	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:44
5M64600.	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:07
5M64601.	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:30
5M64602.	CAL BNA@120PPM		OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 10:54
5M64603.	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:18
5M64604.	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:42
5M64605.	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 12:06
5M64606.	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:30
5M64607.	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 12:53
5M64608.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:17
5M64609.	CAL BNA@25PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:40
5M64610.	CAL BNA@30PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 14:04
5M64611.	ICV BNA@50PPM	Ivo	OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:35
5M64612.	WMB4476(MS)		OK WMB4476	JB		Aqueous	1	1	625 8270	02/09 15:12
5M64613.	WMB4476		OK	JB		Aqueous	1	1	625 8270	02/09 15:35
5M64614.	AC57151-001	Sb6	RE-EXTRACT	JB	BN15-625	Aqueous	1	1	625	02/09 15:58
5M64615.	AC57156-001		OK	JB	BN15-625	Aqueous	1	1	625	02/09 16:22
5M64616.	AC57151-003		OK	JB	BN15-625	Aqueous	1	1	625	02/09 16:45
5M64617.	AC57156-002		OK	JB	BN15-625	Aqueous	1	1	625	02/09 17:09
5M64618.	MLCL2-TEST		OK	JB		Aqueous	1	1	625 8270	02/09 17:32

Anc	Area Not Checked
An	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/rundates modcheckpreparound
En	Eval Time Not Checked
Ep	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tclp/Solvent Extraction Date Missing/Not check'd
Eto	Tclp Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for init calibration chek rls
Iw	Initial cal warning .Ini cal file <> method.
Ix	Initial Cal Files Not Updated Properly for a samp
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20.... not checked
Crn	C30/C20 failed for eoh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing rdt or endrin
R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-9M32186

Instrument: GCMS_9 Year: 2007
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32186.	CAL DFTPP	Ed1=3,3;Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:29
9M32187.	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:52
9M32188.	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:15
9M32189.	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:38
9M32190.	CAL BNA@120PPM	Oc	OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 11:05
9M32191.	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:28
9M32192.	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:51
9M32193.	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 12:14
9M32194.	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:37
9M32195.	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 13:00
9M32196.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:26
9M32197.	BNA@25PPM		TEST	JB		Aqueous	1	1	625 8270	02/09 13:49
9M32198.	BNA@30PPM		TEST	JB		Aqueous	1	1	625 8270	02/09 14:12
9M32199.	ICV BNA@50PPM	Ivo	OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:36
9M32200.	SMB4479		OK	JB		Soil	1	1	8270	02/09 15:09
9M32201.	SMB4479(MS)		OK SMB4479	JB		Soil	1	1	8270	02/09 15:31
9M32202.	AC57095-001	Sb8Oc	RR 5X	JB	BN-8270	Soil	1	1	8270	02/09 15:54
9M32203.	AC57095-001(5X)	Sd	OK, INTERFERING PEAK	JB	BN-8270	Soil	5	5	8270	02/09 16:19
9M32204.	MBS4479-1		OK MBS4479-1	JB		Soil	1	1	8270	02/09 16:42
9M32205.	MBS4479-2		OK MBS4479-2	JB		Soil	1	1	8270	02/09 17:04
9M32206.	MBS4479-3		OK MBS4479-3	JB		Soil	1	1	8270	02/09 17:27
9M32207.	MBS4479-4		OK MBS4479-4	JB		Soil	1	1	8270	02/09 17:50

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning..Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Pran/updates modcheckprerunds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-10M19414

Instrument: GCMS_10 Year: 2011
Analyst: A0484

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1941	CAL DFTPP	Ed1=3.7;Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:18
10M1941	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:39
10M1941	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:03
10M1941	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:26
10M1941	CAL BNA@120PPM		OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 10:48
10M1941	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:10
10M1942	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:33
10M1942	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 11:55
10M1942	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:17
10M1942	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 12:39
10M1942	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:01
10M1942	CAL BNA@25PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:24
10M1942	CAL BNA@30PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:55
10M1942	ICV BNA@50PPM		OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:17
10M1942	WMB4476		OK	JB		Aqueous	1	1	625 8270	02/09 15:09
10M1942	AC57153-001		OK	JB	BN-625	Aqueous	1	1	625	02/09 15:31
10M1943	AC57023-003(T)	Eo	OK	JB	BNPAH-8270	Aqueous	1	1	8270	02/09 15:53
10M1943	EF-SPLP V-106794(02/		OK	JB		Aqueous	1	2	8270	02/09 16:16
10M1943	AC57154-001		OK	JB	BN-625	Aqueous	1	1	625	02/09 16:38
10M1943	MBS-A	Oc	OK MBS-A	JB		Aqueous	1	1	625 8270	02/09 17:00
10M1943	MBS-B	Oc	OK MBS-B	JB		Aqueous	1	1	625 8270	02/09 17:22
10M1943	MBS-C	Oc	OK MBS-C	JB		Aqueous	1	1	625 8270	02/09 17:44
10M1943	MBS-D	Oc	OK MBS-D	JB		Aqueous	1	1	625 8270	02/09 18:06

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method...	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Pmo/rundates modcheckprerunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-5M64598

RUN LOG

Instrument: GCMS_5 Year: 2011
Analyst: A.S

0485

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64598.	CAL DFTPP	Ed1=4.2:Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:20
5M64599.	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:44
5M64600.	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:07
5M64601.	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:30
5M64602.	CAL BNA@120PPM		OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 10:54
5M64603.	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:18
5M64604.	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:42
5M64605.	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 12:06
5M64606.	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:30
5M64607.	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 12:53
5M64608.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:17
5M64609.	CAL BNA@25PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:40
5M64610.	CAL BNA@30PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 14:04
5M64611.	ICV BNA@50PPM	Ivo	OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:35
5M64612.	WMB4476(MS)		OK WMB4476	JB		Aqueous	1	1	625 8270	02/09 15:12
5M64613.	WMB4476		OK	JB		Aqueous	1	1	625 8270	02/09 15:35
5M64614.	AC57151-001	Sb6	RE-EXTRACT	JB	BN15-625	Aqueous	1	1	625	02/09 15:58
5M64615.	AC57156-001		OK	JB	BN15-625	Aqueous	1	1	625	02/09 16:22
5M64616.	AC57151-003		OK	JB	BN15-625	Aqueous	1	1	625	02/09 16:45
5M64617.	AC57156-002		OK	JB	BN15-625	Aqueous	1	1	625	02/09 17:09
5M64618.	MLCL2-TEST		OK	JB		Aqueous	1	1	625 8270	02/09 17:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I18.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning..Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M64711

Instrument: GCMS_5 Year: 2011
Analyst: AI0486

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64711.	CAL DFTPP	Ed1=4.2:Oc	OK, V-104760	JB		Aqueous	1	1		02/16 09:14
5M64712.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/16 09:50
5M64713.	WMB4536		OK	JB		Aqueous	1	1	625 8270	02/16 10:16
5M64714.	WMB4536(MS)		OK WMB4536	JB		Aqueous	1	1	625 8270	02/16 10:40
5M64715.	AC57098-001(T)		OK WMB4536	JB	BNASPLP-82	Aqueous	1	1	8270	02/16 11:08
5M64716.	AC57098-001(T)(MS)		OK WMB4536	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/16 11:32
5M64717.	AC57098-001(T)(MSD	R18	OK WMB4536	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/16 11:55
5M64718.	AC57098-002(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/16 12:19
5M64719.	AC57098-003(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/16 12:43
5M64720.	WMB4538(MS)		OK WMB4538	JB		Aqueous	1	1	625 8270	02/16 13:07
5M64721.	WMB4538		OK	JB		Aqueous	1	1	625 8270	02/16 13:30
5M64722.	AC57098-004(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/16 13:54
5M64723.	AC57277-001(10X)		RR 5X	JB	BNA-8270	Aqueous	10	10	8270	02/16 14:17
5M64724.	AC57224-006(10X)(R)		FOR CONFIRMATION	AHD	BNA25-625	Aqueous	10	10	625	02/16 14:41
5M64725.	AC57277-001(5X)		OK	AHD	BNA-8270	Aqueous	5	5	8270	02/16 15:04
5M64726.	AC57273-001		OK	AHD	BN-PAMOW8	Aqueous	1	1	8270	02/16 15:28
5M64727.	AC57274-001	Sa6Sa8	ON HOLD	AHD	ERROR	Aqueous	1	1	625 8270	02/16 15:52
5M64728.	AC57232-010		OK	AHD	BNA-8270	Aqueous	1	1	8270	02/16 16:16
5M64729.	AC57242-001(MS)		OK WMB4538	AHD	BNA-8270	Aqueous	1	1	625 8270	02/16 16:39
5M64730.	AC57242-001(MSD)	Ao	RR	AHD	BNA-8270	Aqueous	1	1	625 8270	02/16 17:15
5M64731.	AC57242-001	Ao	RR	AHD	BNA-8270	Aqueous	1	1	8270	02/16 17:39
5M64732.	AC57242-002	Ao	RR	AHD	BNA-8270	Aqueous	1	1	8270	02/16 18:03
5M64733.	AC57246-005	Sa6Sa8Ao	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 18:27
5M64734.	AC57274-001	Sa6Sa8Ao	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 18:50
5M64735.	AC57232-010	Ao	RR	AHD	BNA-8270	Aqueous	1	1	8270	02/16 19:13
5M64736.	AC57100-001(T)	Ao	RR	AHD	BNASPLP-82	Aqueous	1	1	8270	02/16 19:37
5M64737.	AC57100-003(T)	AoEsm	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 20:01
5M64738.	AC57100-004(T)	AoEsm	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 20:25
5M64739.	AC57100-005(T)	AoEsm	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 20:48
5M64740.	EF-3 V-1014(02/11)	Ao	RR	AHD		Aqueous	1	2	8270	02/16 21:11
5M64741.	EF-3 V-1014(02/12)	Ti8Ao	RR	AHD		Aqueous	1	2	8270	02/16 21:35
5M64742.	EF-3 V-1014(02/13)	Ti8Ao	RR	AHD		Aqueous	1	2	8270	02/16 21:58
5M64743.	EF-3 V-1014(02/14)	Ti8Ao	RR	AHD		Aqueous	1	2	8270	02/16 22:22
5M64744.	AC57251-004	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 22:46
5M64745.	AC57251-005	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 23:09
5M64746.	AC57251-006	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 23:33
5M64747.	AC57251-008	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 23:57
5M64748.	AC57239-001		OK	AHD	BN15-625	Aqueous	1	1	625	02/17 00:20
5M64749.	AC57239-002	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 00:43
5M64750.	AC57239-003	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 01:07
5M64751.	AC57239-004	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 01:30
5M64752.	AC57226-001	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 01:53
5M64753.	AC57226-002		OK	AHD	BN15-625	Aqueous	1	1	625	02/17 02:17
5M64754.	AC57259-012	Ti8Ao	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/17 02:40

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eph
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warning..Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/soxdates modcheckprepsoxdates	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-9M32364

Instrument: GCMS_9 Year: 2011
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32364.	CAL DFTPP	Ed1=3.5;Oc	OK, V-104760	JB		Aqueous	1	1		02/17 08:28
9M32365.	CAL BNA@50PPM	C16	OK, V-107805	JB		Aqueous	1	1	625 8270	02/17 08:52
9M32366.	WMB4536	C6f	RR	JB		Aqueous	1	1	625 8270	02/17 09:18
9M32367.	WMB4538	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/17 09:41
9M32368.	AC57232-010		OK	JB	BNA-8270	Aqueous	1	1	8270	02/17 10:04
9M32369.	AC57100-001(T)		OK	JB	BNASPLP-82	Aqueous	1	1	8270	02/17 10:28
9M32370.	AC57100-003(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/17 10:51
9M32371.	AC57100-004(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/17 11:14
9M32372.	AC57100-005(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/17 11:37
9M32373.	EF-3 V-1014(02/11)		OK	JB		Aqueous	1	2	8270	02/17 12:01
9M32374.	EF-3 V-1014(02/12)		OK	JB		Aqueous	1	2	8270	02/17 12:24
9M32375.	EF-3 V-1014(02/13)		OK	JB		Aqueous	1	2	8270	02/17 12:47
9M32376.	EF-3 V-1014(02/14)		OK	JB		Aqueous	1	2	8270	02/17 13:10
9M32377.	WMB4546	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/17 13:34
9M32378.	WMB4536	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/17 13:57
9M32379.	AC57241-003		OK	JB	BNA25-8270	Aqueous	1	1	8270	02/17 14:21
9M32380.	EF-SPLP V-106794(02/		OK	JB		Aqueous	1	2	8270	02/17 14:44
9M32381.	AC57120-001(T)	Eo	OK	AHD	BN-8270	Aqueous	1	1	8270	02/17 15:07
9M32382.	AC57141-001(T)	Eo	OK	AHD	BN-8270	Aqueous	1	1	8270	02/17 15:29

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Toln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Tolo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmd.csv for Init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method..	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-5M64791

RUN LOG

Instrument: GCMS_5 Year: 2011
Analyst: A0488

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64791.	CAL DFTPP	Ed1=3.6:Oc	OK, V-104760	JB		Aqueous	1	1		02/22 07:27
5M64792.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/22 07:57
5M64793.	WMB4565		OK	JB		Aqueous	1	1	625 8270	02/22 08:38
5M64794.	WMB4565(MS)		OK WMB4565	JB		Aqueous	1	1	625 8270	02/22 09:02
5M64795.	WMB4567(MS)		OK WMB4567	JB		Aqueous	1	1	625 8270	02/22 09:25
5M64796.	WMB4567		OK	JB		Aqueous	1	1	625 8270	02/22 09:49
5M64797.	AC57285-005		OK WMB4567	JB	BN15-625	Aqueous	1	1	625	02/22 10:12
5M64798.	AC57285-005(MS)		OK WMB4567	JB	BN15-625	Aqueous	1	1	625 8270	02/22 10:36
5M64799.	AC57285-005(MSD)		OK WMB4567	JB	BN15-625	Aqueous	1	1	625 8270	02/22 10:59
5M64800.	AC57285-010(5X)		RR 3X	JB	BN15-625	Aqueous	5	5	625	02/22 11:22
5M64801.	AC57285-004		RR	JB	BN15-625	Aqueous	1	1	625	02/22 11:46
5M64802.	AC57285-007		OK	JB	BN15-625	Aqueous	1	1	625	02/22 12:09
5M64803.	AC57285-008		OK	JB	BN15-625	Aqueous	1	1	625	02/22 12:33
5M64804.	WMB4569(MS)		OK WMB4569	JB		Aqueous	1	1	625 8270	02/22 12:56
5M64805.	WMB4569		OK	JB		Aqueous	1	1	625 8270	02/22 13:20
5M64806.	AC57306-002		OK WMB4569	JB	BNA25-625	Aqueous	1	1	625	02/22 13:43
5M64807.	AC57306-003(MS:AC5				BNA25-625	Aqueous	1	1	625 8270	02/22 14:07
5M64808.	AC57306-004(MSD:AC				BNA25-625	Aqueous	1	1	625 8270	02/22 14:30
5M64809.	AC57285-009				BN15-625	Aqueous	1	1	625	02/22 14:54
5M64810.	AC57285-003				BN15-625	Aqueous	1	1	625	02/22 15:18
5M64813.	AC57290-004	Sb6Oc			BN15-625	Aqueous	1	1	625	02/22 16:29

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method...	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Preo/quodates modcheckprepcunds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_10 Year: 2011
Analyst: AMS 04489

1-1-10M19508

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1950	CAL DFTPP	Ed1=3.7:Oc	OK, V-104760	JB		Aqueous	1	1		02/22 08:34
10M1950	CAL BNA@50PPM	C16	OK, V-107805	JB		Aqueous	1	1	625 8270	02/22 08:56
10M1951	WMB4565	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/22 09:48
10M1951	AC57098-005(T)(R)		OK	JB	BNASPLP-82	Aqueous	1	1	8270	02/22 10:10
10M1951	AC57098-006(T)(R)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/22 10:32
10M1951	AC57098-007(T)(R)	C6fAoEsm	RR	JB	ERROR	Aqueous	1	1	625 8270	02/22 10:54
10M1951	AC57100-006(T)(R)	Ao	RR	JB	BNASPLP-82	Aqueous	1	1	8270	02/22 11:17
10M1951	AC57100-007(T)(R)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/22 11:39
10M1951	AC57100-008(T)(R)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/22 12:01
10M1951	EF-3 V-1014(02/15)(R)		OK	JB		Aqueous	1	2	8270	02/22 12:23
10M1951	AC57100-006(T)(R)	Ao	AREA CONFIRMED	JB	BNASPLP-82	Aqueous	1	1	8270	02/22 12:45
10M1951	EF-3 V-1014(02/16)(R)		OK	JB		Aqueous	1	2	8270	02/22 13:07
10M1952	EF-3 V-1014(02/17)(R)		OK	JB		Aqueous	1	2	8270	02/22 13:30
10M1952	WMB4567	C6f	OK	JB		Aqueous	1	1	625 8270	02/22 13:52

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20.... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rod Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rod Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Preq/ondates modcheckprereqund	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M64835

Instrument: GCMS_5 Year: 0490
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64835.	CAL DFTPP	Ed1=3.1:Oc	OK, V-104760	JB		Aqueous	1	1		02/24 07:39
5M64836.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/24 09:54
5M64837.	WMB4585(MS)		OK WMB4585	JB		Aqueous	1	1	625 8270	02/24 10:18
5M64838.	WMB4585		OK	JB		Aqueous	1	1	625 8270	02/24 10:42
5M64839.	AC57098-010(T)	Eto	OK WMB4585	JB	BNASPLP-82	Aqueous	1	1	8270	02/24 11:05
5M64840.	AC57098-010(T)(MS)	Eto	OK WMB4585	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/24 11:28
5M64841.	AC57098-010(T)(MSD)	EtoR18	OK WMB4585	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/24 11:52
5M64842.	AC57098-008(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/24 12:15
5M64843.	AC57098-009(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/24 12:39
5M64844.	AC57098-011(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/24 13:03
5M64845.	AC57100-011(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	02/24 13:26
5M64846.	WMB4595(MS)		OK WMB4595	JB		Aqueous	1	1	625 8270	02/24 13:50
5M64847.	WMB4595		OK	JB		Aqueous	1	1	625 8270	02/24 14:13
5M64848.	AC57252-002(T)		OK	JB	BN-SPLP-827	Aqueous	1	1	8270	02/24 14:37
5M64849.	AC57100-012(T)	Esm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/24 15:01
5M64850.	EF-3 V-1014(02/18)		OK	JB		Aqueous	1	2	8270	02/24 15:24
5M64851.	EF-3 V-1014(02/19)		OK	JB		Aqueous	1	2	8270	02/24 15:48
5M64852.	EF-3 V-1014(02/20)		OK	JB		Aqueous	1	2	8270	02/24 16:11
5M64853.	EF-3 V-1014(02/21)		OK	JB		Aqueous	1	2	8270	02/24 16:35
5M64854.	AC57263-001(T)		OK WMB4595	JB	BNATCLP-82	Aqueous	1	1	8270	02/24 16:59
5M64855.	AC57263-001(T)(MS)	Sb6Sb8	OK WMB4595	JB	BNATCLP-82	Aqueous	1	1	625 8270	02/24 17:22
5M64856.	AC57263-001(T)(MSD)		OK WMB4595	JB	BNATCLP-82	Aqueous	1	1	625 8270	02/24 17:46
5M64857.	AC57382-002(10X)		RR 5X	JB	BN15-8270	Aqueous	10	10	8270	02/24 18:09
5M64858.	AC57228-003(T)	Eo	OK	JB	BN-8270	Aqueous	1	1	8270	02/24 18:32
5M64859.	AC57212-002(T)	Eo	OK	JB	BN-8270	Aqueous	1	1	8270	02/24 18:55
5M64860.	EF-SPLP V-106794(02/		OK	JB		Aqueous	1	2	8270	02/24 19:19
5M64861.	EF-1 V-108537(02/23)	Ti8	RR	JB		Aqueous	1	2	8270	02/24 19:42
5M64862.	AC57332-001(R)		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 20:06
5M64863.	AC57374-001		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 20:29
5M64864.	AC57374-002		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 20:52
5M64865.	AC57374-003		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 21:16
5M64866.	AC57374-004	Oc	RR 3X	JB	BNA25-625	Aqueous	1	1	625	02/24 21:39
5M64867.	AC57374-005		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 22:02
5M64868.	AC57374-006		RR	JB	BNA25-625	Aqueous	1	1	625	02/24 22:25

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tdln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tdln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I16.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/rundates modcheckprepround	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_9 Year: 2011
Analyst: AHD

1-1-9M32489

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32489.	CAL DFTPP	Ed1=3,4;Oc	OK, V-104760	JB		Aqueous	1	1		02/28 09:50
9M32490.	CAL BNA@50PPM		NOT USED	JB		Aqueous	1	1	625 8270	02/28 10:32
9M32491.	CAL BNA@2PPM		OK, V-109402	JB		Aqueous	1	1	625 8270	02/28 10:55
9M32492.	CAL BNA@.5PPM		OK, V-109403	JB		Aqueous	1	1	625 8270	02/28 11:18
9M32493.	CAL BNA@10PPM		OK, V-109394	JB		Aqueous	1	1	625 8270	02/28 11:42
9M32494.	CAL BNA@20PPM		OK, V-109395	JB		Aqueous	1	1	625 8270	02/28 12:05
9M32495.	CAL BNA@80PPM		OK, V-109397	JB		Aqueous	1	1	625 8270	02/28 12:29
9M32496.	CAL BNA@120PPM	Oc	OK, V-109398	JB		Aqueous	1	1	625 8270	02/28 12:52
9M32497.	CAL BNA@160PPM	Oc	OK, V-109399	JB		Aqueous	1	1	625 8270	02/28 13:33
9M32498.	CAL BNA@196PPM	Oc	OK, V-109400	JB		Aqueous	1	1	625 8270	02/28 13:57
9M32499.	CAL BNA@50PPM		OK, V-109396	JB		Aqueous	1	1	625 8270	02/28 14:20
9M32500.	ICV BNA@50PPM		OK, V-109406	JB		Aqueous	1	1	625 8270	02/28 14:44
9M32501.	TEST		TEST	JB		Aqueous	1	1	625 8270	02/28 15:54
9M32502.	SMB4591		OK	JB		Soil	1	1	8270	02/28 16:17
9M32503.	AC57463-012		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 16:41
9M32504.	AC57463-013		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 17:04
9M32505.	AC57459-001		OK	JB	BN15-8270	Soil	1	1	8270	02/28 17:28
9M32506.	AC57459-002		OK	JB	BN15-8270	Soil	1	1	8270	02/28 17:51
9M32507.	AC57459-003		OK	JB	BN15-8270	Soil	1	1	8270	02/28 18:15
9M32508.	AC57459-004		OK	JB	BN15-8270	Soil	1	1	8270	02/28 18:38
9M32509.	AC57463-005		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 19:01
9M32510.	AC57463-006		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 19:25
9M32511.	AC57359-002	Oc	RR 5X	JB	BN-8270	Soil	1	1	8270	02/28 19:48
9M32512.	AC57328-004		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 20:12

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tnln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eph
B8m	Blank 8000 series missing	Eto	Tnln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing drlr or eodrln
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning .ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/pundates modcheckprepnunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_5 Year: 2011
Analyst: AHD

1-1-5M64932

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64932.	CAL DFTPP	Ed1=3.6;Oc	OK, V-104760	JB		Aqueous	1	1		03/01 09:14
5M64933.	CAL BNA@50PPM	C16	OK, V-107805	JB		Aqueous	1	1	625 8270	03/01 09:38
5M64934.	WMB4624	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	03/01 10:06
5M64935.	AC57098-012(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 10:29
5M64936.	AC57098-013(T)	C6fSa6Sa8Esm	RE-EXTRACT	JB	ERROR	Aqueous	1	1	625 8270	03/01 10:53
5M64937.	AC57098-014(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 11:17
5M64938.	AC57098-015(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/01 11:41
5M64939.	AC57100-013(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 12:04
5M64940.	AC57100-014(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 12:28
5M64941.	AC57100-015(T)	C6fSa6Sa8Esm	RE-EXTRACT	JB	ERROR	Aqueous	1	1	625 8270	03/01 12:51
5M64942.	AC57100-016(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/01 13:15
5M64943.	AC57330-003(T)		OK	JB	BNATCLP-82	Aqueous	1	1	8270	03/01 13:39
5M64944.	EF-2 V-109145(02/25)		OK	JB		Aqueous	1	2	8270	03/01 14:03
5M64945.	EF-3 V-1014(02/22)		OK	JB		Aqueous	1	2	8270	03/01 14:26
5M64946.	EF-3 V-1014(02/23)		OK	JB		Aqueous	1	2	8270	03/01 14:50
5M64947.	EF-3 V-1014(02/24)		OK	AHD		Aqueous	1	2	8270	03/01 15:14
5M64948.	EF-3 V-1014(02/25)		OK	AHD		Aqueous	1	2	8270	03/01 15:38
5M64949.	WMB4625	C6f	OK FOR 8270 METHOD	AHD		Aqueous	1	1	625 8270	03/01 16:02
5M64950.	SMB4620	Sa8	RR	JB		Soil	1	1	8270	03/01 16:25
5M64951.	AC57446-009		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 16:49
5M64952.	AC57446-011		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 17:12
5M64953.	AC57446-013		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 17:36
5M64954.	AC57446-020		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 18:00
5M64955.	AC57446-003		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 18:24
5M64956.	AC57487-011		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 18:47
5M64957.	AC57487-013		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 19:11
5M64958.	AC57487-003		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 19:34
5M64959.	AC57487-007		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 19:58
5M64960.	TEST-1	C6f				Aqueous	1	1	625 8270	03/01 20:21
5M64961.	TEST-2(G)	C6f				Aqueous	1	1	625 8270	03/01 20:44

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tmp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for aqh
B8m	Blank 8000 series missing	Eto	Tmp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endion Cal missing for sample (8000 series)	Iw	Initial cal warning..ini cal file <> method..	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16h	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18h	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-9M32513

Instrument: GCMS_9 Year: 2011
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32513.	CAL DFTPP	Ed1=3.5:Oc	OK, V-104760	JB		Aqueous	1	1		03/01 09:18
9M32514.	CAL BNA@50PPM		OK, V-109396	JB		Aqueous	1	1	625 8270	03/01 09:41
9M32515.	WMB4624(MS)		OK WMB4624	JB		Aqueous	1	1	625 8270	03/01 10:05
9M32516.	WMB4624		OK	JB		Aqueous	1	1	625 8270	03/01 10:28
9M32517.	WMB4616		OK	JB		Aqueous	1	1	625 8270	03/01 10:52
9M32518.	WMB4616(MS)		OK WMB4616	JB		Aqueous	1	1	625 8270	03/01 11:15
9M32519.	AC57433-002		OK WMB4616	JB	BN15-625	Aqueous	1	1	625	03/01 11:38
9M32520.	AC57433-002(MS)		OK WMB4616	JB	BN15-625	Aqueous	1	1	625 8270	03/01 12:01
9M32521.	AC57433-002(MSD)		OK WMB4616	JB	BN15-625	Aqueous	1	1	625 8270	03/01 12:24
9M32522.	WMB4625(MS)		OK WMB4625	JB		Aqueous	1	1	625 8270	03/01 12:47
9M32523.	WMB4625		OK	JB		Aqueous	1	1	625 8270	03/01 13:11
9M32524.	AC57446-005		OK	JB	BNA-8270	Aqueous	1	1	8270	03/01 13:34
9M32525.	AC57446-007	Oc	RR 3X	JB	BNA-8270	Aqueous	1	1	8270	03/01 13:57
9M32526.	AC57446-016	Oc	RR 10X	JB	BNA-8270	Aqueous	1	1	8270	03/01 14:20
9M32527.	AC57446-018	Sb8Sa8Oc	RR 200X	JB	BNA-8270	Aqueous	1	1	8270	03/01 14:44
9M32528.	AC57359-002(5X)		OK	JB	BN-8270	Soil	5	5	8270	03/01 15:07
9M32529.	AC57446-001	Sa8	RR	AHD	BNA-8270	Aqueous	1	1	8270	03/01 15:30
9M32530.	AC57446-001(MS)		OK WMB4625	AHD	BNA-8270	Aqueous	1	1	625 8270	03/01 15:53
9M32531.	AC57487-031(3X)		OK SMB4620	AHD	BNA-8270	Soil	3	3	8270	03/01 16:16
9M32532.	SMB4620(MS)		OK SMB4620	AHD		Soil	1	1	8270	03/01 16:40
9M32533.	SMB4620	Sb8	RR	AHD		Soil	1	1	8270	03/01 17:03
9M32534.	AC57446-001(MSD)		OK WMB4625	AHD	BNA-8270	Aqueous	1	1	625 8270	03/01 17:26
9M32535.	AC57487-031(3X)(MS)		OK SMB4620	AHD	BNA-8270	Soil	3	3	8270	03/01 17:49
9M32536.	AC57487-031(3X)(MSD		OK SMB4620	AHD	BNA-8270	Soil	3	3	8270	03/01 18:12
9M32537.	AC57487-009		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 18:36
9M32538.	AC57487-015		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 18:59
9M32539.	AC57487-017	Oc	RR 3X	AHD	BNA-8270	Soil	1	1	8270	03/01 19:22
9M32540.	AC57446-007(3X)		OK	AHD	BNA-8270	Aqueous	3	3	8270	03/01 19:45
9M32541.	AC57446-016(10X)		OK	AHD	BNA-8270	Aqueous	10	10	8270	03/01 20:08
9M32542.	AC57446-018(200X)	Sd	OK	AHD	BNA-8270	Aqueous	200	200	8270	03/01 20:31
9M32543.	AC57411-006(R)		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 20:54
9M32544.	AC57433-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 21:17
9M32545.	AC57424-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 21:40
9M32546.	AC57424-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 22:04
9M32547.	AC57450-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 22:27
9M32548.	AC57450-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 22:50
9M32549.	AC57450-003		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 23:13
9M32550.	AC57450-004		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 23:36
9M32551.	AC57450-005		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 23:59
9M32552.	AC57437-002		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 00:22
9M32553.	AC57437-004		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 00:45
9M32554.	AC57437-006		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 01:08
9M32555.	AC57437-008		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 01:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tch/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for aph
B8m	Blank 8000 series missing	Eto	Tch Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning, Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Pren/opdates modcheckprepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_10 Year: 2004
Analyst: AHD

1-1-10M19637

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1963	CAL DFTPP	Ed1=3,2;Oc	OK, V-104760	JB		Aqueous	1	1		03/02 13:17
10M1963	CAL BNA@50PPM		OK, V-109733	JB		Aqueous	1	1	625 8270	03/02 14:04
10M1963	CAL BNA@2PPM		OK, V-109739	JB		Aqueous	1	1	625 8270	03/02 15:31
10M1964	CAL BNA@.5PPM		OK, V-109740	JB		Aqueous	1	1	625 8270	03/02 15:54
10M1964	CAL BNA@10PPM		OK, V-109731	JB		Aqueous	1	1	625 8270	03/02 16:16
10M1964	CAL BNA@20PPM		OK, V-109732	JB		Aqueous	1	1	625 8270	03/02 16:38
10M1964	CAL BNA@80PPM		OK, V-109734	JB		Aqueous	1	1	625 8270	03/02 17:00
10M1964	CAL BNA@120PPM		OK, V-109735	JB		Aqueous	1	1	625 8270	03/02 17:22
10M1964	CAL BNA@160PPM	Oc	OK, V-109736	JB		Aqueous	1	1	625 8270	03/02 17:45
10M1964	CAL BNA@196PPM	Oc	OK, V-109737	JB		Aqueous	1	1	625 8270	03/02 18:07
10M1964	ICV BNA@50PPM		OK, V-109742	JB		Aqueous	1	1	625 8270	03/02 18:29
10M1964	SMB4620		OK	JB		Soil	1	1	8270	03/02 19:54
10M1964	WMB4634		OK	JB		Aqueous	1	1	625 8270	03/02 20:16
10M1965	AC57417-002	Sa8Sb8	RE-EXTRACT	JB	BNA25-8270	Aqueous	1	1	8270	03/02 20:38
10M1965	AC57417-005		RR	JB	BNA25-8270	Aqueous	1	1	8270	03/02 21:01
10M1965	AC57445-002		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 21:23
10M1965	AC57445-006		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 21:45
10M1965	AC57481-002		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 22:07
10M1965	AC57481-003		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 22:30
10M1965	AC57481-006		RR	JB	BNA25-8270	Aqueous	1	1	8270	03/02 22:52
10M1965	AC57494-002	Sa8	RE-EXTRACT	JB	BNA25-8270	Aqueous	1	1	8270	03/02 23:14
10M1965	AC57494-005		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 23:36

Anc	Area Not Checked	Ep	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eph
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R18.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepruncls	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_5 Year: 0495
Analyst: AHD

1-1-5M64979

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64979.	CAL DFTPP	Ed1=3.5:Oc	OK, V-104760	JB		Aqueous	1	1		03/03 09:17
5M64980.	CAL BNA@50PPM	C16	RR	JB		Aqueous	1	1	625 8270	03/03 09:47
5M64981.	CAL BNA@2PPM	C16C18	RR	JB		Aqueous	1	1	625 8270	03/03 10:16
5M64982.	CAL BNA@.5PPM		OK, V-109740	JB		Aqueous	1	1	625 8270	03/03 10:40
5M64983.	CAL BNA@10PPM	IsC16C18	RR	JB		Aqueous	1	1	625 8270	03/03 11:04
5M64984.	CAL BNA@20PPM		OK, V-109732	JB		Aqueous	1	1	625 8270	03/03 11:28
5M64985.	CAL BNA@80PPM		OK, V-109734	JB		Aqueous	1	1	625 8270	03/03 11:52
5M64986.	CAL BNA@120PPM		OK, V-109735	JB		Aqueous	1	1	625 8270	03/03 12:16
5M64987.	CAL BNA@160PPM	Oc	OK, V-109736	JB		Aqueous	1	1	625 8270	03/03 12:40
5M64988.	CAL BNA@196PPM	Oc	OK, V-109737	JB		Aqueous	1	1	625 8270	03/03 13:04
5M64989.	CAL BNA@50PPM		OK, V-109733	JB		Aqueous	1	1	625 8270	03/03 13:27
5M64990.	CAL BNA@2PPM		OK, V-109739	JB		Aqueous	1	1	625 8270	03/03 16:15
5M64991.	CAL BNA@10PPM		OK, V-109731	JB		Aqueous	1	1	625 8270	03/03 16:38
5M64992.	ICV BNA@50PPM	Is	OK, V-109742	JB		Aqueous	1	1	625 8270	03/03 17:06

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing drift or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmpl.csv for Init calibration chek rfs	S6	600 series surrogate out
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/rundates modcheckprepruncla	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_5 Year: 2011
Analyst: AHD

1-1-5M65029

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M65029.	CAL DFTPP	Ed1=4.2:Oc	OK,V-104760	JB		Aqueous	1	1		03/04 09:54
5M65030.	CAL BNA@50PPM		OK,V-109733	JB		Aqueous	1	1	625 8270	03/04 10:17
5M65031.	WMB4657(MS)		RR WMB4657	JB		Aqueous	1	1	625 8270	03/04 10:43
5M65032.	WMB4657		OK	JB		Aqueous	1	1	625 8270	03/04 11:08
5M65033.	SMB4643		OK	JB		Soil	1	1	8270	03/04 11:31
5M65034.	AC57497-004		OK	JB	BNA25-8270	Soil	1	1	8270	03/04 11:55
5M65035.	WMB4657(MS)		OK WMB4657	JB		Aqueous	1	1	625 8270	03/04 12:18
5M65036.	AC57497-014		OK	JB	BNA25-8270	Soil	1	1	8270	03/04 12:42
5M65037.	AC57497-013(3X)	Sd	RR	JB	BNA25-8270	Soil	3	3	8270	03/04 13:05
5M65038.	SMB4662(MS)		OK SMB4662	JB		Soil	1	1	8270	03/04 13:29
5M65039.	SMB4662		OK	JB		Soil	1	1	8270	03/04 13:53
5M65040.	AC57526-001		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 14:16
5M65041.	AC57526-002		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 14:39
5M65042.	AC57526-003		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 15:03
5M65043.	AC57526-004		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 15:26
5M65044.	AC57526-005		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 15:50
5M65045.	AC57526-006		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 16:14
5M65046.	AC57526-007		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 16:37
5M65047.	AC57497-006(2X)		OK	JB	BNA25-8270	Soil	2	2	8270	03/04 17:01
5M65048.	AC57507-005(15X)		OK	JB	BNA25-8270	Soil	15	15	8270	03/04 17:25
5M65049.	AC57391-012(10X)		OK	JB	BN-8270	Soil	10	10	8270	03/04 17:49
5M65050.	AC57500-001(3X)		OK	JB	BNA25-8270	Soil	3	3	8270	03/04 18:12
5M65051.	AC57527-001		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 18:35
5M65052.	WMB4661		OK	JB		Aqueous	1	1	625 8270	03/04 18:59
5M65053.	AC57481-006(R)		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/04 19:22
5M65054.	AC57417-002(R)	Sa8Sb8	SURRO. CONFIRMED	JB	BNA25-8270	Aqueous	1	1	8270	03/04 19:46
5M65055.	AC57494-002(R)		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/04 20:09
5M65056.	AC57527-002		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 20:33
5M65057.	AC57527-003		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 20:56
5M65058.	AC57527-004		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 21:19
5M65059.	AC57527-005		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 21:43

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Toln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Toln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix mission ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Eodino Cal missing for sample (8000 series)	Iw	Initial cal warning .Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Pren/updates modcheckprepound	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-10M19708

Instrument: GCMS_10 Year: 2011
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1970	CAL DFTPP	Ed1=3.8:Oc	OK, V-104760	JB		Aqueous	1	1		03/04 09:58
10M1970	CAL BNA@50PPM		OK, V-109733	JB		Aqueous	1	1	625 8270	03/04 10:20
10M1971	WMB4656		OK	JB		Aqueous	1	1	625 8270	03/04 10:42
10M1971	WMB4657		OK	JB		Aqueous	1	1	625 8270	03/04 11:04
10M1971	AC57490-006(R)		OK	JB	BNA-8270	Aqueous	1	1	8270	03/04 11:27
10M1971	AC57098-016(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 11:49
10M1971	AC57098-017(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 12:11
10M1971	AC57098-018(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 12:33
10M1971	WMB4661(MS)		OK WMB4661	JB		Aqueous	1	1	625 8270	03/04 12:55
10M1971	WMB4661		OK	AHD		Aqueous	1	1	625 8270	03/04 13:18
10M1971	AC57098-019(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 13:40
10M1971	AC57098-020(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/04 14:02
10M1972	AC57542-003		OK,SURRO, SPIKED DOUBLE WMB4	JB	BNA25-625	Aqueous	0.5	1	625	03/04 14:24
10M1972	AC57542-003(MS)		OK WMB4661	JB	BNA25-625	Aqueous	1	1	625 8270	03/04 14:47
10M1972	AC57542-003(MSD)		OK WMB4661	JB	BNA25-625	Aqueous	1	1	625 8270	03/04 15:08
10M1972	AC57100-017(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 15:31
10M1972	AC57100-018(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 15:53
10M1972	AC57100-019(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 16:15
10M1972	AC57100-020(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 16:37
10M1972	AC57100-021(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/04 16:59
10M1972	EF-3 V-1014(02/26)		OK	JB		Aqueous	1	2	8270	03/04 17:22
10M1972	EF-3 V-1014(02/27)		OK	JB		Aqueous	1	2	8270	03/04 17:44
10M1973	EF-3 V-1014(02/28)		OK	JB		Aqueous	1	2	8270	03/04 18:06
10M1973	EF-3 V-1014(03/01)		OK	JB		Aqueous	1	3	8270	03/04 18:28
10M1973	EF-3 V-1014(03/02)		OK	JB		Aqueous	1	3	8270	03/04 18:50
10M1973	EF-SPLP V-109139(03/		OK	JB		Aqueous	1	3	8270	03/04 19:13
10M1973	AC57497-012	Sa8	RE-EXTRACT AS BNA	JB	BNA25-8270	Aqueous	1	1	8270	03/04 19:35
10M1973	AC57342-002(T)	Eo	OK	JB	BN-8270	Aqueous	1	1	8270	03/04 19:57
10M1973	AC57341-003(T)	Sb8Eo	RE-EXTRACT	JB	BN-8270	Aqueous	1	1	8270	03/04 20:19
10M1973	AC57498-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 20:41
10M1973	AC57484-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 21:03
10M1973	AC57484-003		OK	JB	BN15-625	Aqueous	1	1	625	03/04 21:25
10M1974	AC57485-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 21:47
10M1974	AC57472-001		OK	JB	BN15-625	Aqueous	1	1	625	03/04 22:10
10M1974	AC57472-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 22:32
10M1974	AC57517-001		OK	JB	BN15-625	Aqueous	1	1	625	03/04 22:54
10M1974	AC57517-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 23:16
10M1974	AC57542-002		OK	JB	BNA25-625	Aqueous	1	1	625	03/04 23:38

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Trap/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Trap Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method..	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5525

Description
Sodium Sulfate

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Seidler	SC-3375-1C	026129	12/28/10	12/27/12	Lopez, Jose	4	100L	neat	neat

Veritech Control/Receipt Number: 5576

Description
Base Neutral Comp Mix

ApprovedBy: jean
ApproveDate: 01/21/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-BN-PAK	210101171	01/21/11	10/15/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5577

Description
Acid Comp Mix

ApprovedBy: jean
ApproveDate: 01/21/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-A-R-PAK	209101262	01/21/11	10/28/12	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5596

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	02/08/11	02/28/12	Lopez, Jose	156	4L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81922

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81923

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-82306

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 3/8/2010
Expiration Date: 3/8/2011
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4731	pyridine	10 ul	neat neat	10000 ppm
4698	METHYLENE CHLORIDE	990 ul	neat neat	

Veritech Lot Number: V-82585

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/10/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 03/12/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-88079

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/8/2010
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4971	METHYLENE CHLORIDE	500 ml	neat neat	

Veritech Lot Number: V-88691

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std.
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4971	METHYLENE CHLORIDE	10 ml	neat neat	

Veritech Lot Number: V-88692

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std. (2nd source)
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4974	ACETONE	10 ml	neat neat	

Veritech Lot Number: V-91587

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 7/27/2010
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
4669	p-Terphenyl-d14	1 g	neat neat	1000 ppm
3877	PHENOL-2,3,4,5,6-d5,	2 g	NEAT neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
5055	ACETONE	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-96831

Prepared By: Hamid, Akmal
Description: BNA-Pest Mix
Prep Date: 9/27/2010
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.05 g	NEAT	5000 ppm
3640	4.4'-DDD	.05 g	NEAT	5000 ppm
3641	4.4'-DDE	.05 g	NEAT	5000 ppm
5268	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-99837

Prepared By: Bis, Yolanta
Description: Pyridine Spiking Std.
Prep Date: 10/27/2010
Expiration Date: 10/26/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	200 ul	NEAT neat	2000 ppm
5269	Acetone	100 ml	neat neat	

Veritech Lot Number: V-103047

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4666	TCL PAH Mix	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-82306	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
5428	Methylene Chloride	360 ul	Neat neat	

Veritech Lot Number: V-104760

Prepared By: Bis, Yolanta
Description: DFTPP Mix
Prep Date: 12/28/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 2 ml
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
5434	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5504	Methylene Chloride	1450 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-105212

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/5/2011
Expiration Date: 1/5/2012
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4625	Atrazine	.1 g	neat neat	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
4629	Diphenyl ether	.1 g	neat neat	10000 ppm
2635	e-Caprolactum	.1 g	neat neat	10000 ppm
4619	Benzaldehyde	.1 g	NEAT neat	10000 ppm
5524	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-105213

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/5/2011
Expiration Date: 1/5/2012
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4625	Atrazine	.1 g	neat neat	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
4629	Diphenyl ether	.1 g	neat neat	10000 ppm
2635	e-Caprolactum	.1 g	neat neat	10000 ppm
4619	Benzaldehyde	.1 g	NEAT neat	10000 ppm
5526	Acetone	10 ml	neat neat	

Veritech Lot Number: V-107206

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 1/31/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 02/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
5325	Benzoic Acid Mix	150 ul	2000 ppm	250 ppm
4510	TCL Benzidines mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
V-88691	Coumarin Stock Std.	60 ul	5,000 ppm	250 ppm
5541	Methylene Chloride	270 ul	neat neat	

Veritech Lot Number: V-107802

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 625 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-105212	8270 EXTRA MIX#1	12.5 ul	10000 ppm	200 ppm
V-107206	BNA STOCK Std.A	500 ul	250 ppm	200 ppm
5578	Methylene Chloride	112.5 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107803

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 10 ppm curve | BatchNumber: B-9634 | ApproveDate: 02/10/11
Prep Date: 2/8/2011 | Concentration: 10 ppm | Checked: Yes
Expiration Date: 3/1/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-107804

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 20 ppm curve | BatchNumber: B-9634 | ApproveDate: 02/10/11
Prep Date: 2/8/2011 | Concentration: 20 ppm | Checked: Yes
Expiration Date: 3/1/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-107805

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 50 ppm curve | BatchNumber: B-9634 | ApproveDate: 02/10/11
Prep Date: 2/8/2011 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 3/1/2011 | Final Volume: 600 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
5578	Methylene Chloride	438 ul	neat neat	
V-107802	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Lot Number: V-107806

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 80 ppm curve | BatchNumber: B-9634 | ApproveDate: 02/10/11
Prep Date: 2/8/2011 | Concentration: 80 ppm | Checked: Yes
Expiration Date: 3/1/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-107807

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: BNA 120 ppm curve | BatchNumber: B-9634 | ApproveDate: 02/10/11
Prep Date: 2/8/2011 | Concentration: 120 ppm | Checked: Yes
Expiration Date: 3/1/2011 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	38 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107808

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-107809

Prepared By: Bis, Yolanta
Description: BNA 196 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-107810

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5578	Methylene Chloride	75 ul	neat neat	

Veritech Lot Number: V-107811

Prepared By: Bis, Yolanta
Description: BNA 2 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 2 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107810	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	94 ul	neat neat	

Veritech Lot Number: V-107812

Prepared By: Bis, Yolanta
Description: BNA 0.5 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 0.5 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107810	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	97 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107816

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: jean
Description:	BNA ICV CAL@50PPM	BatchNumber:	ApproveDate: 02/10/11
Prep Date:	2/8/2011	Concentration: 50 ppm	Checked: Yes
Expiration Date:	3/1/2011	Final Volume: 0.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103047	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ul	5,000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5578	Methylene Chloride	153 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107816

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103047	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ul	5,000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5578	Methylene Chloride	153 ul	neat neat	

Veritech Lot Number: V-109339

Prepared By: Hamid, Akmal
Description: BNA-8 MIX
Prep Date: 2/23/2011
Expiration Date: 1/31/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
5661	Biphenyl	.05 g	neat neat	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4992	COUMARIN	.05 g	NEAT	5000 ppm
5647	KEPONE(CHLORDECONE)	.05 g	NEAT	5000 ppm
5648	3,4-Dichlorophenol	.05 g	NEAT	5000 ppm
5596	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-109340

Prepared By: Hamid, Akmal
Description: BNA-9 MIX
Prep Date: 2/23/2011
Expiration Date: 1/31/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
5661	Biphenyl	.05 g	neat neat	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4992	COUMARIN	.05 g	NEAT	5000 ppm
5647	KEPONE(CHLORDECONE)	.05 g	NEAT	5000 ppm
5648	3,4-Dichlorophenol	.05 g	NEAT	5000 ppm
5596	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-109404

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 2/28/2011
Expiration Date: 2/27/2012
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	10 ul	NEAT neat	10000 ppm
5596	Methylene chloride	990 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109729

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 3/2/2011
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5425	8270 Mega Mix	300 ul	1000 ppm	250 ppm
5325	Benzoic Acid Mix	150 ul	2000 ppm	250 ppm
4871	TCL Benzidines Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
V-109339	BNA-8 MIX	60 ul	5000 ppm	250 ppm
5629	CUSTOM NY SVOC MIX	150 ul	2000 ppm	250 ppm
5596	Methylene chloride	180 ul	neat neat	

Veritech Lot Number: V-109730

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 3/2/2011
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 500 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-105212	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
V-109729	BNA STOCK Std.A	400 ul	250 ppm	200 ppm
5596	Methylene chloride	90 ul	neat neat	

Veritech Lot Number: V-109731

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	93 ul	neat neat	

Veritech Lot Number: V-109732

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	88 ul	neat neat	

Veritech Lot Number: V-109733

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
V-109730	BNA STOCK Std.	150 ul	200 ppm	50 ppm
5596	Methylene chloride	438 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109734

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	58 ul	neat neat	

Veritech Lot Number: V-109735

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	38 ul	neat neat	

Veritech Lot Number: V-109736

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	18 ul	neat neat	

Veritech Lot Number: V-109737

Prepared By: Bis, Yolanta
Description: BNA 196 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	0	neat neat	

Veritech Lot Number: V-109738

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5596	Methylene chloride	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109339

Prepared By: Hamid, Akmal
Description: BNA-8 MIX
Prep Date: 2/23/2011
Expiration Date: 1/31/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
5661	Biphenyl	.05 g	neat neat	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4992	COUMARIN	.05 g	NEAT	5000 ppm
5647	KEPONE(CHLORDECONE)	.05 g	NEAT	5000 ppm
5648	3,4-Dichlorophenol	.05 g	NEAT	5000 ppm
5596	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-109340

Prepared By: Hamid, Akmal
Description: BNA-9 MIX
Prep Date: 2/23/2011
Expiration Date: 1/31/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
5661	Biphenyl	.05 g	neat neat	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4992	COUMARIN	.05 g	NEAT	5000 ppm
5647	KEPONE(CHLORDECONE)	.05 g	NEAT	5000 ppm
5648	3,4-Dichlorophenol	.05 g	NEAT	5000 ppm
5596	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-109392

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 2/28/2011
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
5325	Benzoic Acid Mix	150 ul	2000 ppm	250 ppm
4871	TCL Benzidines Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-109339	BNA-8 MIX	60 ul	5000 ppm	250 ppm
5596	Methylene chloride	330 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109393

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 2/28/2011
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 500 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-105212	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
V-109392	BNA STOCK Std.A	400 ul	250 ppm	200 ppm
5596	Methylene chloride	90 ul	neat neat	

Veritech Lot Number: V-109394

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	93 ul	neat neat	

Veritech Lot Number: V-109395

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	88 ul	neat neat	

Veritech Lot Number: V-109396

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
5596	Methylene chloride	438 ul	neat neat	
V-109393	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Lot Number: V-109397

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	58 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109398

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	38 ul	neat neat	

Veritech Lot Number: V-109399

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	18 ul	neat neat	

Veritech Lot Number: V-109400

Prepared By: Bis, Yolanta
Description: BNA 196 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	0	neat neat	

Veritech Lot Number: V-109401

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109393	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5596	Methylene chloride	75 ul	neat neat	

Veritech Lot Number: V-109402

Prepared By: Bis, Yolanta
Description: BNA 2 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 2 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109401	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	94 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109403

Prepared By: Bis, Yolanta
Description: BNA 0.5 ppm curve
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9757
Concentration: 0.5 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109401	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	97 ul	neat neat	

Veritech Lot Number: V-109404

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 2/28/2011
Expiration Date: 2/27/2012
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	10 ul	NEAT neat	10000 ppm
5596	Methylene chloride	990 ul	neat neat	

Veritech Lot Number: V-109405

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 2/28/2011
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5129	TCL PAH MIX	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-109404	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-109340	BNA-9 MIX	60 ul	5000 ppm	250 ppm
5596	Methylene chloride	360 ul	neat neat	

Veritech Lot Number: V-109406

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 2/28/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109405	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5596	Methylene chloride	155 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109739

Prepared By: Bis, Yolanta
Description: BNA 2 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 2 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109738	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	94 ul	neat neat	

Veritech Lot Number: V-109740

Prepared By: Bis, Yolanta
Description: BNA 0.5 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 0.5 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109738	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	97 ul	neat neat	

Veritech Lot Number: V-109741

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 3/2/2011
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5129	TCL PAH MIX	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-109404	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-109340	BNA-9 MIX	60 ul	5000 ppm	250 ppm
5596	Methylene chloride	210 ul	neat neat	
5630	CUSTOM NY SVOC MIX	150 ul	2000 ppm	250 ppm

Veritech Lot Number: V-109742

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
v-109741	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5596	Methylene chloride	155 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2587

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2635

Description
e-Caprolactum

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	C2204	19623PC	07/19/07	04/24/15	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3213

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Control/Receipt Number: 3877

Description
PHENOL-2,3,4,5,6-d5,

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ISOTEC	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4510

Description
TCL Benzidines mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4619

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 01/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Sigma Aldrich	B1334-5G	62097IJ	01/15/10	01/15/20	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 4625

Description
Atrazine

ApprovedBy: jean
ApproveDate: 01/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2208	421-55A	01/18/10	04/30/12	Hamid, Akmal	2	1000	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4629

Description
Diphenyl ether

ApprovedBy: jean
ApproveDate: 01/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	240834-5g	MKAA1526	01/19/10	10/26/20	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 4666

Description
TCL PAH Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB69185	01/29/10	08/31/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4667

Description
TCL Base-Neutral Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-U	LB67896	01/29/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4669

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500mg	CX1560	01/29/10	01/29/16	Hamid, Akmal	1	500m	neat	neat

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 02/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	02/23/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4731

Description
pyridine

ApprovedBy: jean
ApproveDate: 03/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Control/Receipt Number: 4781

Description
Pyridine

ApprovedBy: jean
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	P368-500	094570	03/30/10	03/29/13	Kiryanov, Alex	2	500 m	NEAT	NEAT

Veritech Control/Receipt Number: 4872

Description
TCL Phenols/Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	04/20/10	07/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4971

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J16S00	06/08/10	07/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4731

Description
pyridine

ApprovedBy: jean
ApproveDate: 03/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Control/Receipt Number: 4781

Description
Pyridine

ApprovedBy: jean
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	P368-500	094570	03/30/10	03/29/13	Kiryanov, Alex	2	500 m	NEAT	NEAT

Veritech Control/Receipt Number: 4871

Description
TCL Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	04/20/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4872

Description
TCL Phenols/Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	04/20/10	07/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4971

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J16S00	06/08/10	07/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 5325

Description
Benzoic Acid Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A075417	10/07/10	06/30/14	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5524

Description
Methylene Chloride

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	12/28/10	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5526

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J36E13	12/28/10	01/31/12	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5541

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/11/11	02/29/12	Lopez, Jose	112	4L	neat	neat

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Control/Receipt Number: 5129

Description
TCL PAH MIX

ApprovedBy: jean
ApproveDate: 08/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48905-U	LB69185	08/03/10	08/31/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 5325

Description
Benzoic Acid Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A075417	10/07/10	06/30/14	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Control/Receipt Number: 5129

Description
TCL PAH MIX

ApprovedBy: jean
ApproveDate: 08/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48905-U	LB69185	08/03/10	08/31/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 5325

Description
Benzoic Acid Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A075417	10/07/10	06/30/14	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 5425

Description
8270 Mega Mix

ApprovedBy: akmal
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A077266	11/12/10	04/30/12	Hamid, Akmal	1	1ml	1000	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 5524

Description
Methylene Chloride

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	12/28/10	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5526

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J36E13	12/28/10	01/31/12	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5541

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/11/11	02/29/12	Lopez, Jose	112	4L	neat	neat

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5596

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	02/08/11	02/28/12	Lopez, Jose	156	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5647

Description
KEPONE(CHLORDECONE)

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	PS-701	451-139A	02/18/11	11/30/16	Revolus, Jean	3	50mg	NEAT	

Veritech Control/Receipt Number: 5648

Description
3,4-Dichlorophenol

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2310	452-36A	02/18/11	09/30/16	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 5661

Description
Biphenyl

ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1062	432-55B	02/23/11	11/30/15	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 5524

Description
Methylene Chloride

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	12/28/10	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5526

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J36E13	12/28/10	01/31/12	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5541

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/11/11	02/29/12	Lopez, Jose	112	4L	neat	neat

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5596

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	02/08/11	02/28/12	Lopez, Jose	156	4L	neat	neat

Veritech Control/Receipt Number: 5629

Description
CUSTOM NY SVOC MIX

ApprovedBy: jean
ApproveDate: 02/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-21796	211021099	02/16/11	02/15/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5630

Description
CUSTOM NY SVOC MIX

ApprovedBy: jean
ApproveDate: 02/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-21796	211021096	02/16/11	02/15/12	Revolus, Jean	5	1mL	2000	PPM

Veritech Control/Receipt Number: 5647

Description
KEPONE(CHLORDECONE)

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	PS-701	451-139A	02/18/11	11/30/16	Revolus, Jean	3	50mg	NEAT	

Veritech Control/Receipt Number: 5648

Description
3,4-Dichlorophenol

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2310	452-36A	02/18/11	09/30/16	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 5661

Description
Biphenyl

ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1062	432-55B	02/23/11	11/30/15	Hamid, Akmal	1	5g	neat	neat

SPLP
Metal Data

SPLP
Metal Data
Sample Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-39-3	Barium	0.33	18JB	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	1.6JB	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-47-3	Chromium	0.71	7.1JB	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7439-92-1	Lead	2.1	15J	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A
7440-22-4	Silver	0.74	0.97J	1	50	50	02/15/11	3328	SP12319A2	14	P	PEICP2A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-005	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A
7440-39-3	Barium	0.33	6.9JB	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A
7440-43-9	Cadmium	0.43	1.0JB	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A
7440-47-3	Chromium	0.71	1.1JB	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A
7440-22-4	Silver	0.74	0.97J	1	50	50	02/15/11	3328	SP12319A2	20	P	PEICP2A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-010	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-39-3	Barium	0.33	5.2J	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-47-3	Chromium	0.71	1.6JB	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/25/11	33501	H12334SPb	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/01/11	33503	P12334C2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-015	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-39-3	Barium	0.33	5.0JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	1.0JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-47-3	Chromium	0.71	0.75JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/03/11	3382	H12358SP	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A
7440-22-4	Silver	0.74	0.85JB	1	50	50	03/03/11	3382	SP12358B2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57098-020	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS3 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-39-3	Barium	0.33	7.1J	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-47-3	Chromium	0.71	0.79J	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7439-92-1	Lead	2.1	4.5J	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/09/11	3400	H12376SP	14	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/07/11	3400	SP12376A2	14	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

SPLP
Metal Data
QC Data

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3328 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3328 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30	61J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-36-0	Antimony	4.8	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-39-3	Barium	0.33	1.2J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-41-7	Beryllium	0.062	0.86J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-43-9	Cadmium	0.43	1.3J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-70-2	Calcium	43	310J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-47-3	Chromium	0.71	0.79J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-48-4	Cobalt	0.56	0.83J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-50-8	Copper	1.5	3.0J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-89-6	Iron	12	99J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-95-4	Magnesium	13	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-96-5	Manganese	0.45	3.3J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	11	CV	HGCV2A
7439-98-7	Molybdenum	0.55	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-02-0	Nickel	0.80	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-28-0	Thallium	1.6	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-31-5	Tin	2.3	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-32-6	Titanium	0.35	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-62-2	Vanadium	1.6	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-66-6	Zinc	1.4	6.5J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3350 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3350 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-36-0	Antimony	4.8	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-38-2	Arsenic	5.8	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-39-3	Barium	0.33	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-41-7	Beryllium	0.062	0.79J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-70-2	Calcium	43	480J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-47-3	Chromium	0.71	1.0J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-48-4	Cobalt	0.56	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-50-8	Copper	1.5	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-89-6	Iron	12	31J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-95-4	Magnesium	13	110J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-96-5	Manganese	0.45	1.2J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/25/11	3350	H12334SPb	11	CV	HGCV2A
7439-98-7	Molybdenum	0.55	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-02-0	Nickel	0.80	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-28-0	Thallium	1.6	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-31-5	Tin	2.3	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-32-6	Titanium	0.35	0.42J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-62-2	Vanadium	1.6	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-66-6	Zinc	1.4	5.4J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3382 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3382 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30.5	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-36-0	Antimony	4.77	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-38-2	Arsenic	5.84	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-39-3	Barium	0.332	0.673J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-41-7	Beryllium	0.0617	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-43-9	Cadmium	0.432	0.722J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-70-2	Calcium	43.2	468J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-47-3	Chromium	0.710	1.16J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-48-4	Cobalt	0.557	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-50-8	Copper	1.48	4.23J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-89-6	Iron	11.6	34.7J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-92-1	Lead	2.06	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-95-4	Magnesium	12.7	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-96-5	Manganese	0.446	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/03/11	3382	H12358SP	11	CV	HGCV2A
7439-98-7	Molybdenum	0.551	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-02-0	Nickel	0.799	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7782-49-2	Selenium	6.36	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-22-4	Silver	0.739	0.739J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-28-0	Thallium	1.63	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-31-5	Tin	2.30	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-32-6	Titanium	0.350	0.650J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-62-2	Vanadium	1.59	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-66-6	Zinc	1.43	4.42J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3400 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3400 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-36-0	Antimony	4.8	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-38-2	Arsenic	5.8	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-39-3	Barium	0.33	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-41-7	Beryllium	0.062	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-70-2	Calcium	43	520J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-47-3	Chromium	0.71	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-48-4	Cobalt	0.56	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-50-8	Copper	1.5	2.9J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-89-6	Iron	12	360J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-95-4	Magnesium	13	37J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-96-5	Manganese	0.45	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/09/11	3400	H12376SP	11	CV	HGCV2A
7439-98-7	Molybdenum	0.55	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-02-0	Nickel	0.80	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-28-0	Thallium	1.6	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-31-5	Tin	2.3	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-32-6	Titanium	0.35	0.50J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-62-2	Vanadium	1.6	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-66-6	Zinc	1.4	10J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/15/11
Data File: SP12319A2
Prep Batch: 3328
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-106421 (2)-7	Rec	CCV V-107291-18	Rec	CCV V-107291-28	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	1.02822	103	0.49482	99	0.48932	98					
Barium	1/.5	1.03267	103	0.50771	102	0.50454	101					
Cadmium	1/.5	1.03162	103	0.50180	100	0.49967	100					
Chromium	1/.5	1.02403	102	0.50510	101	0.50225	100					
Lead	1/.5	1.02513	103	0.50872	102	0.49905	100					
Selenium	1/.5	1.04266	104	0.50745	101	0.49100	98					
Silver	0.2/0.1	0.20088	100	0.09612	96	0.09478	95					

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/01/11
Data File: SP12334C2
Prep Batch: 3350
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-107292 (2)-7	Rec	CCV V-108509-18	Rec	CCV V-108509-25	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	0.96799	97	0.48416	97	0.47730	95					
Barium	1/.5	0.99804	100	0.51582	103	0.51254	103					
Cadmium	1/.5	0.97538	98	0.48447	97	0.47885	96					
Chromium	1/.5	0.98779	99	0.50891	102	0.50726	101					
Lead	1/.5	0.99112	99	0.51341	103	0.50917	102					
Selenium	1/.5	0.96994	97	0.48214	96	0.47375	95					
Silver	0.2/0.1	0.19172	96	0.09146	91	0.08998	90					

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/03/11
Data File: SP12358B2
Prep Batch: 3382
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-107292 (2)-7	Rec	CCV V-108509-19	Rec	CCV V-108509-25	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	1.02336	102	0.51018	102	0.50801	102								
Barium	1/.5	1.02080	102	0.50739	101	0.51108	102								
Cadmium	1/.5	1.02218	102	0.50414	101	0.50695	101								
Chromium	1/.5	1.01565	102	0.50695	101	0.50973	102								
Lead	1/.5	1.02180	102	0.51517	103	0.51587	103								
Selenium	1/.5	1.01864	102	0.51287	103	0.51935	104								
Silver	0.2/0.1	0.20015	100	0.09930	99	0.10021	100								

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/07/11
Data File: SP12376A2
Prep Batch: 3400
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-107292 (2)-7	Rec	CCV V-108509-18	Rec	CCV V-108509-25	Rec		Rec		Rec		Rec		Rec	
Arsenic	1/.5	1.00812	101	0.49075	98	0.49722	99									
Barium	1/.5	1.01589	102	0.51386	103	0.51500	103									
Cadmium	1/.5	1.02055	102	0.50642	101	0.50973	102									
Chromium	1/.5	1.01063	101	0.50921	102	0.51203	102									
Lead	1/.5	1.00853	101	0.51198	102	0.51350	103									
Selenium	1/.5	1.02168	102	0.49851	100	0.50344	101									
Silver	0.2/0.1	0.20015	100	0.09761	98	0.09807	98									

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/17/11
Data File: H12319SP
Prep Batch: 3328
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-21		CCV-24									
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.64000	103	10.02000	100	10.02000	100								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/25/11
Data File: H12334SPb
Prep Batch: 3350
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19								
Analyte	ICV/CCV Amt		Rec		Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec
Mercury	20/10	20.63000	103	10.42000	104							

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/03/11
Data File: H12358SP
Prep Batch: 3382
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19													
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.20000	101	10.21000	102												

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/09/11
Data File: H12376SP
Prep Batch: 3400
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19													
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.34000	102	10.16000	102												

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/15/11
Data File: SP12319A2
Prep Batch: 3328
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-107293-8	CCB-19	CCB-29	MB 3328 (1)-11	EF DI BLANK 02/11/2011-24	EF DI BLANK 02/15/2011-25
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U	.0058 U
Barium	.000384 a	.000493 a	.000487 a	.0012 a	.00088 a	.00099 a
Cadmium	.00106 a	.00106 a	.00103 a	.0013 a	.0012 a	.001 a
Chromium	.00071 U	.00071 U	.00071 U	.00079 a	.0012 a	.00072 a
Lead	.00206 U	.00244 a	.00206 U	.0021 U	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U	.0064 U
Silver	.000739 U	.000739 U	.000739 U	.00074 U	.00092 a	.00074 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/01/11
Data File: SP12334C2
Prep Batch: 3350
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-108505-8	CCB-19	CCB-26	MB 3350 (1)-11	EF DI BLANK 2/20-22
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U
Barium	-.000884 a	-.00151 a	-.00135 a	.00033 U	.00033 U
Cadmium	.000432 U	-.00102 a	-.00112 a	.00043 U	.00043 U
Chromium	.00071 U	.00071 U	.00071 U	.001 a	.00093 a
Lead	.00206 U	.00206 U	-.00314 a	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U
Silver	.000739 U	.000739 U	.000739 U	.00074 U	.00074 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/03/11
Data File: SP12358B2
Prep Batch: 3382
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-108505-8	CCB-20	CCB-26	MB 3382 (1)-11	EF-DIH2O 2/25-22
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U
Barium	.000332 U	.000332 U	.000332 U	.00067 a	.00033 U
Cadmium	.00113 a	.000899 a	.00113 a	.00072 a	.001 a
Chromium	.00071 U	.00071 U	.00071 U	.0012 a	.00071 U
Lead	.00206 U	.00206 U	.00206 U	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U
Silver	.000739 U	.00101 a	.00096 a	.00074 a	.00095 a

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/07/11
Data File: SP12376A2
Prep Batch: 3400
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-108505-8	CCB-19	CCB-26	MB 3400 (1)-11	EF-DIH2O-22
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U
Barium	-.00148 a	-.00139 a	-.00142 a	.00033 U	.00033 U
Cadmium	.000432 U	.000432 U	.000432 U	.00043 U	.00043 U
Chromium	-.0014 a	-.00122 a	-.00132 a	.00071 U	.00071 U
Lead	.00206 U	.00206 U	.00206 U	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U
Silver	.000739 U	.000739 U	.000739 U	.00074 U	.00074 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/17/11
Data File: H12319SP
Prep Batch: 3328
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-25	MB 3328 (1)-11	EF-DI-2/11-20	EF-DI-2/15-23
Mercury	.0816 U	.0816 U	.0816 U	.082 U	.082 U	.082 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/25/11
Data File: H12334SPb
Prep Batch: 3350
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3350 (1)-11	EF-DI-BLANK 2/20-18			
Mercury	.0816 U	.0816 U	.082 U	.082 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/03/11
Data File: H12358SP
Prep Batch: 3382
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3382 (1)-11	EF-DI-BLANK 2/25-18				
Mercury	-.151 a	-.156 a	.082 U	.082 U				

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/09/11
Data File: H12376SP
Prep Batch: 3400
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3400 (1)-11	EF-DI-BLANK 3/2-18				
Mercury	.0816 U	.0816 U	.082 U	.082 U				

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 02/15/11
Data File: SP12319A2
Prep Batch: 3328
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107288-9	Rec	ICSAB V-106425-10	Rec	ICSA V-107288-26	Rec	ICSAB V-106425-27	Rec	Rec	Rec	Rec	Rec
Aluminum	500	506.498	101	504.31300	101	506.135	101	501.74700	100				
Arsenic	1	.0084419b		1.01357	101	.0164293a		1.00620	101				
Barium	.5	.0023315a		0.51533	103	.0026752a		0.51251	103				
Cadmium	1	.000758b		1.02530	103	U		1.02104	102				
Calcium	500	485.712	97	483.23100	97	483.804	97	478.48800	96				
Chromium	.5	.0054488a		0.49795	100	.0053951a		0.49396	99				
Iron	200	189.336	95	189.01600	95	188.296	94	186.86300	93				
Lead	1	U		0.94825	95	U		0.93801	94				
Magnesium	500	502.319	100	500.04700	100	500.9	100	495.49100	99				
Selenium	1	-.0154516a		1.00437	100	-.0102648b		0.98234	98				
Silver	1	U		1.04016	104	U		1.02091	102				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/01/11
Data File: SP12334C2
Prep Batch: 3350
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107289-9	Rec	ICSAB V-107290-10	Rec	ICSA V-107289-23	Rec	ICSAB V-107290-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	506.657	101	504.55900	101	502.949	101	498.97400	100				
Arsenic	1	U		0.95089	95	U		0.96678	97				
Barium	.5	.0010021a		0.49908	100	.0004765b		0.51330	103				
Cadmium	1	-.0012858a		0.95541	96	-.0024519a		0.96858	97				
Calcium	500	469.799	94	468.25300	94	483.54	97	480.35100	96				
Chromium	.5	.0048069a		0.47757	96	.0044264a		0.49342	99				
Iron	200	182.628	91	181.41000	91	183.824	92	182.59600	91				
Lead	1	.0151362a		0.94061	94	.006929a		0.97233	97				
Magnesium	500	485.806	97	483.90900	97	504.741	101	501.26600	100				
Selenium	1	-.012303b		0.91129	91	-.0202132a		0.92752	93				
Silver	1	-.0029059a		0.96841	97	-.0024594a		0.94482	94				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/03/11
Data File: SP12358B2
Prep Batch: 3382
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107289-9	Rec	ICSAB V-107290-10	Rec	ICSA V-107289-23	Rec	ICSAB V-107290-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	506.599	101	501.73000	100	505.679	101	498.03300	100				
Arsenic	1	.0129881a		1.02844	103	U		1.03145	103				
Barium	.5	.0018866a		0.51306	103	.0018065a		0.51123	102				
Cadmium	1	U		1.02336	102	U		1.01635	102				
Calcium	500	484.286	97	478.94600	96	484.752	97	478.95500	96				
Chromium	.5	.0053066a		0.49795	100	.005352a		0.49398	99				
Iron	200	184.36	92	185.99100	93	186.215	93	184.61900	92				
Lead	1	.0051865a		0.96333	96	U		0.96642	97				
Magnesium	500	505.541	101	499.87000	100	506.456	101	500.97000	100				
Selenium	1	-.0266898a		0.97711	98	-.0371524a		0.98431	98				
Silver	1	U		1.04730	105	U		1.02694	103				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/07/11
Data File: SP12376A2
Prep Batch: 3400
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020304

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107289-9	Rec	ICSAB V-107290-10	Rec	ICSA V-107289-23	Rec	ICSAB V-107290-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	514.373	103	507.76800	102	505.089	101	504.13800	101				
Arsenic	1	U		1.04713	105	U		1.03901	104				
Barium	.5	U		0.52881	106	U		0.52491	105				
Cadmium	1	-.0008234b		1.04999	105	-.0008216b		1.03897	104				
Calcium	500	486.735	97	481.53600	96	477.162	95	478.14100	96				
Chromium	.5	.003442a		0.51008	102	.0031999a		0.50465	101				
Iron	200	191.945	96	191.15500	96	189.148	95	188.74500	94				
Lead	1	U		0.97722	98	U		0.97275	97				
Magnesium	500	505.673	101	501.39100	100	496.271	99	499.21100	100				
Selenium	1	.0200459a		1.05504	106	.0178975a		1.04344	104				
Silver	1	-.0032708a		1.07305	107	-.003032a		1.04564	105				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3328

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3328

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3328	1	SP12319A	13	0.4640	.500	93		75	125
Barium	3328	1	SP12319A	13	0.4782	.500	96		75	125
Cadmium	3328	1	SP12319A	13	0.4727	.500	95		75	125
Chromium	3328	1	SP12319A	13	0.4770	.500	95		75	125
Lead	3328	1	SP12319A	13	0.4755	.500	95		75	125
Mercury	3328	1	H12319SP	13	10.4200	10	104		75	125
Selenium	3328	1	SP12319A	13	0.4644	.500	93		75	125
Silver	3328	1	SP12319A	13	0.0919	0.100	92		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW 3328

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3328	1	SP12319A	12	0.4839	.500	97		75	125
Barium	3328	1	SP12319A	12	0.5007	.500	100		75	125
Cadmium	3328	1	SP12319A	12	0.4932	.500	99		75	125
Chromium	3328	1	SP12319A	12	0.5029	.500	101		75	125
Lead	3328	1	SP12319A	12	0.4938	.500	99		75	125
Mercury	3328	1	H12319SP	12	10.1300	10	101		75	125
Selenium	3328	1	SP12319A	12	0.4883	.500	98		75	125
Silver	3328	1	SP12319A	12	0.0955	0.100	95		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3328	1	SP12319A	16	SP12319A	14	0.4537	0.00584U	.500	91		50	
Barium	3328	1	SP12319A	16	SP12319A	14	4.7974	0.0184	5.00	96		50	
Cadmium	3328	1	SP12319A	16	SP12319A	14	0.4601	0.0016	.500	92		50	
Chromium	3328	1	SP12319A	16	SP12319A	14	0.4724	0.0071	.500	93		50	
Lead	3328	1	SP12319A	16	SP12319A	14	4.7493	0.0151	5.00	95		50	
Mercury	3328	1	H12319SP	16	H12319SP	14	9.3610	0.0816U	10.000	94		50	
Selenium	3328	1	SP12319A	16	SP12319A	14	0.4501	0.00636U	.500	90		50	
Silver	3328	1	SP12319A	16	SP12319A	14	0.0887	0.0010	0.1	88		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3350

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3350	1	SP12334C	13	0.4354	.500	87		75	125
Barium	3350	1	SP12334C	13	0.4665	.500	93		75	125
Cadmium	3350	1	SP12334C	13	0.4350	.500	87		75	125
Chromium	3350	1	SP12334C	13	0.4568	.500	91		75	125
Lead	3350	1	SP12334C	13	0.4554	.500	91		75	125
Mercury	3350	1	H12334SP	13	10.5300	10	105		75	125
Selenium	3350	1	SP12334C	13	0.4336	.500	87		75	125
Silver	3350	1	SP12334C	13	0.0822	0.100	82		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3350	1	SP12334C	12	0.4302	.500	86		75	125
Barium	3350	1	SP12334C	12	0.4593	.500	92		75	125
Cadmium	3350	1	SP12334C	12	0.4285	.500	86		75	125
Chromium	3350	1	SP12334C	12	0.4489	.500	90		75	125
Lead	3350	1	SP12334C	12	0.4509	.500	90		75	125
Mercury	3350	1	H12334SP	12	10.4200	10	104		75	125
Selenium	3350	1	SP12334C	12	0.4194	.500	84		75	125
Silver	3350	1	SP12334C	12	0.0819	0.100	82		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-010

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3350	1	SP12334C	16	SP12334C	14	0.4498	0.2U	.500	90		50	
Barium	3350	1	SP12334C	16	SP12334C	14	4.8844	.25U	5.00	98		50	
Cadmium	3350	1	SP12334C	16	SP12334C	14	0.4474	0.05U	.500	89		50	
Chromium	3350	1	SP12334C	16	SP12334C	14	0.4716	0.2U	.500	94		50	
Lead	3350	1	SP12334C	16	SP12334C	14	4.8844	0.065U	5.00	98		50	
Mercury	3350	1	H12334SP	16	H12334SP	14	10.3800	0.0816U	10.000	104		50	
Selenium	3350	1	SP12334C	16	SP12334C	14	0.4409	0.2U	.500	88		50	
Silver	3350	1	SP12334C	16	SP12334C	14	0.0843	0.05U	0.1	84		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3382

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3382

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3382	1	SP12358B	13	0.4308	.500	86		75	125
Barium	3382	1	SP12358B	13	0.4407	.500	88		75	125
Cadmium	3382	1	SP12358B	13	0.4342	.500	87		75	125
Chromium	3382	1	SP12358B	13	0.4397	.500	88		75	125
Lead	3382	1	SP12358B	13	0.4416	.500	88		75	125
Mercury	3382	1	H12358SP	13	10.4200	10	104		75	125
Selenium	3382	1	SP12358B	13	0.4329	.500	87		75	125
Silver	3382	1	SP12358B	13	0.0858	0.100	86		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW 3382

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3382	1	SP12358B	12	0.4273	.500	85		75	125
Barium	3382	1	SP12358B	12	0.4376	.500	88		75	125
Cadmium	3382	1	SP12358B	12	0.4332	.500	87		75	125
Chromium	3382	1	SP12358B	12	0.4383	.500	88		75	125
Lead	3382	1	SP12358B	12	0.4383	.500	88		75	125
Mercury	3382	1	H12358SP	12	10.4800	10	105		75	125
Selenium	3382	1	SP12358B	12	0.4296	.500	86		75	125
Silver	3382	1	SP12358B	12	0.0850	0.100	85		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-015

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3382	1	SP12358B	16	SP12358B	14	0.4494	0.00584U	.500	90		50	
Barium	3382	1	SP12358B	16	SP12358B	14	4.6135	0.0050	5.00	92		50	
Cadmium	3382	1	SP12358B	16	SP12358B	14	0.4437	0.0010	.500	89		50	
Chromium	3382	1	SP12358B	16	SP12358B	14	0.4477	0.0007	.500	89		50	
Lead	3382	1	SP12358B	16	SP12358B	14	4.7148	0.00206U	5.00	94		50	
Mercury	3382	1	H12358SP	16	H12358SP	14	10.3600	0.0816U	10.000	104		50	
Selenium	3382	1	SP12358B	16	SP12358B	14	0.4508	0.00636U	.500	90		50	
Silver	3382	1	SP12358B	16	SP12358B	14	0.0871	0.0009	0.1	86		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3400

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3400

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3400	1	SP12376A	13	0.4540	.500	91		75	125
Barium	3400	1	SP12376A	13	0.4733	.500	95		75	125
Cadmium	3400	1	SP12376A	13	0.4659	.500	93		75	125
Chromium	3400	1	SP12376A	13	0.4745	.500	95		75	125
Lead	3400	1	SP12376A	13	0.4725	.500	95		75	125
Mercury	3400	1	H12376SP	13	10.5100	10	105		75	125
Selenium	3400	1	SP12376A	13	0.4614	.500	92		75	125
Silver	3400	1	SP12376A	13	0.0899	0.100	90		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW 3400

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3400	1	SP12376A	12	0.4635	.500	93		75	125
Barium	3400	1	SP12376A	12	0.4787	.500	96		75	125
Cadmium	3400	1	SP12376A	12	0.4716	.500	94		75	125
Chromium	3400	1	SP12376A	12	0.4767	.500	95		75	125
Lead	3400	1	SP12376A	12	0.4790	.500	96		75	125
Mercury	3400	1	H12376SP	12	10.3100	10	103		75	125
Selenium	3400	1	SP12376A	12	0.4655	.500	93		75	125
Silver	3400	1	SP12376A	12	0.0916	0.100	92		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-020

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3400	1	SP12376A	16	SP12376A	14	0.4635	0.00584U	.500	93		50	
Barium	3400	1	SP12376A	16	SP12376A	14	4.9610	0.0071	5.00	99		50	
Cadmium	3400	1	SP12376A	16	SP12376A	14	0.4696	0.000432U	.500	94		50	
Chromium	3400	1	SP12376A	16	SP12376A	14	0.4768	0.0008	.500	95		50	
Lead	3400	1	SP12376A	16	SP12376A	14	4.9318	0.0045	5.00	99		50	
Mercury	3400	1	H12376SP	16	H12376SP	14	10.1500	0.0816U	10.000	102		50	
Selenium	3400	1	SP12376A	16	SP12376A	14	0.4650	0.00636U	.500	93		50	
Silver	3400	1	SP12376A	16	SP12376A	14	0.0912	0.000739U	0.1	91		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3328

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3328

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Arsenic	3328	SP12319A	13	SP12319A	12	0.4640	0.4839	4.2		20
Barium	3328	SP12319A	13	SP12319A	12	0.4782	0.5007	4.6		20
Cadmium	3328	SP12319A	13	SP12319A	12	0.4727	0.4932	4.2		20
Chromium	3328	SP12319A	13	SP12319A	12	0.4770	0.5029	5.3		20
Lead	3328	SP12319A	13	SP12319A	12	0.4755	0.4938	3.8		20
Mercury	3328	H12319SP	13	H12319SP	12	10.4200	10.1300	2.8		20
Selenium	3328	SP12319A	13	SP12319A	12	0.4644	0.4883	5		20
Silver	3328	SP12319A	13	SP12319A	12	0.0919	0.0955	3.8		20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Arsenic	3328	SP12319A	15	SP12319A	14	0.00584U	0.00584U	---		20
Barium	3328	SP12319A	15	SP12319A	14	0.0185	0.0184	0.75		20
Cadmium	3328	SP12319A	15	SP12319A	14	0.0011	0.0016	32	b	20
Chromium	3328	SP12319A	15	SP12319A	14	0.0071	0.0071	0.07		20
Lead	3328	SP12319A	15	SP12319A	14	0.0131	0.0151	14		20
Mercury	3328	H12319SP	15	H12319SP	14	0.0816U	0.0816U	---		20
Selenium	3328	SP12319A	15	SP12319A	14	0.00636U	0.00636U	---		20
Silver	3328	SP12319A	15	SP12319A	14	0.0008	0.0010	14		20

TxtQcType: SD Matrix: SPLP SampleID: AC57098-005

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	3328	SP12319A	21	SP12319A	20	5	0.0012	0.0004	---		10
Barium	3328	SP12319A	21	SP12319A	20	5	0.0017	0.0069	20	c	10
Cadmium	3328	SP12319A	21	SP12319A	20	5	0.0010	0.0010	376	c	10
Chromium	3328	SP12319A	21	SP12319A	20	5	0.0006	0.0011	189	c	10
Lead	3328	SP12319A	21	SP12319A	20	5	0.0016	0.0017	---		10
Selenium	3328	SP12319A	21	SP12319A	20	5	0.0005	0.0030	---		10
Silver	3328	SP12319A	21	SP12319A	20	5	0.0008	0.0010	---		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3350

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3350	SP12334C	13	SP12334C	12	0.4354	0.4302	1.2	20
Barium	3350	SP12334C	13	SP12334C	12	0.4665	0.4593	1.5	20
Cadmium	3350	SP12334C	13	SP12334C	12	0.4350	0.4285	1.5	20
Chromium	3350	SP12334C	13	SP12334C	12	0.4568	0.4489	1.7	20
Lead	3350	SP12334C	13	SP12334C	12	0.4554	0.4509	1	20
Mercury	3350	H12334SP	13	H12334SP	12	10.5300	10.4200	1.1	20
Selenium	3350	SP12334C	13	SP12334C	12	0.4336	0.4194	3.3	20
Silver	3350	SP12334C	13	SP12334C	12	0.0822	0.0819	.37	20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-010

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3350	SP12334C	15	SP12334C	14	0.2U	0.2U	---	20
Barium	3350	SP12334C	15	SP12334C	14	.25U	.25U	---	20
Cadmium	3350	SP12334C	15	SP12334C	14	0.05U	0.05U	---	20
Chromium	3350	SP12334C	15	SP12334C	14	0.2U	0.2U	---	20
Lead	3350	SP12334C	15	SP12334C	14	0.065U	0.065U	---	20
Mercury	3350	H12334SP	15	H12334SP	14	0.0816U	0.0816U	---	20
Selenium	3350	SP12334C	15	SP12334C	14	0.2U	0.2U	---	20
Silver	3350	SP12334C	15	SP12334C	14	0.05U	0.05U	---	20

TxtQcType: SD Matrix: SPLP SampleID: AC57098-010

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	3350	SP12334C	20	SP12334C	14	5	0.0004	0.0005	---		10
Barium	3350	SP12334C	20	SP12334C	14	5	-0.0001	0.0052	---		10
Cadmium	3350	SP12334C	20	SP12334C	14	5	-0.0009	-0.0008	---		10
Chromium	3350	SP12334C	20	SP12334C	14	5	0.0008	0.0016	163	c	10
Lead	3350	SP12334C	20	SP12334C	14	5	-0.0014	-0.0015	---		10
Selenium	3350	SP12334C	20	SP12334C	14	5	0.0002	0.0048	---		10
Silver	3350	SP12334C	20	SP12334C	14	5	0.0000	0.0001	---		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3382

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3382

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3382	SP12358B	13	SP12358B	12	0.4308	0.4273	.82	20
Barium	3382	SP12358B	13	SP12358B	12	0.4407	0.4376	.71	20
Cadmium	3382	SP12358B	13	SP12358B	12	0.4342	0.4332	.23	20
Chromium	3382	SP12358B	13	SP12358B	12	0.4397	0.4383	.32	20
Lead	3382	SP12358B	13	SP12358B	12	0.4416	0.4383	.75	20
Mercury	3382	H12358SP	13	H12358SP	12	10.4200	10.4800	.57	20
Selenium	3382	SP12358B	13	SP12358B	12	0.4329	0.4296	.76	20
Silver	3382	SP12358B	13	SP12358B	12	0.0858	0.0850	.87	20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-015

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3382	SP12358B	15	SP12358B	14	0.00584U	0.00584U	---	20
Barium	3382	SP12358B	15	SP12358B	14	0.0059	0.0050	16	20
Cadmium	3382	SP12358B	15	SP12358B	14	0.0009	0.0010	16	20
Chromium	3382	SP12358B	15	SP12358B	14	0.0008	0.0007	11	20
Lead	3382	SP12358B	15	SP12358B	14	0.00206U	0.00206U	---	20
Mercury	3382	H12358SP	15	H12358SP	14	0.0816U	0.0816U	---	20
Selenium	3382	SP12358B	15	SP12358B	14	0.00636U	0.00636U	---	20
Silver	3382	SP12358B	15	SP12358B	14	0.000739U	0.0009	---	20

TxtQcType: SD Matrix: SPLP SampleID: AC57098-015

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	3382	SP12358B	18	SP12358B	14	5	0.0008	-0.0010	---		10
Barium	3382	SP12358B	18	SP12358B	14	5	0.0010	0.0050	5.3		10
Cadmium	3382	SP12358B	18	SP12358B	14	5	0.0011	0.0010	426	c	10
Chromium	3382	SP12358B	18	SP12358B	14	5	0.0003	0.0007	---		10
Lead	3382	SP12358B	18	SP12358B	14	5	-0.0002	-0.0004	---		10
Selenium	3382	SP12358B	18	SP12358B	14	5	0.0035	0.0012	---		10
Silver	3382	SP12358B	18	SP12358B	14	5	0.0011	0.0009	544	c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3400

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3400

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3400	SP12376A	13	SP12376A	12	0.4540	0.4635	2.1	20
Barium	3400	SP12376A	13	SP12376A	12	0.4733	0.4787	1.1	20
Cadmium	3400	SP12376A	13	SP12376A	12	0.4659	0.4716	1.2	20
Chromium	3400	SP12376A	13	SP12376A	12	0.4745	0.4767	.46	20
Lead	3400	SP12376A	13	SP12376A	12	0.4725	0.4790	1.4	20
Mercury	3400	H12376SP	13	H12376SP	12	10.5100	10.3100	1.9	20
Selenium	3400	SP12376A	13	SP12376A	12	0.4614	0.4655	.88	20
Silver	3400	SP12376A	13	SP12376A	12	0.0899	0.0916	1.9	20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-020

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3400	SP12376A	15	SP12376A	14	0.00584U	0.00584U	---	20
Barium	3400	SP12376A	15	SP12376A	14	0.0071	0.0071	0.35	20
Cadmium	3400	SP12376A	15	SP12376A	14	0.000432U	0.000432U	---	20
Chromium	3400	SP12376A	15	SP12376A	14	0.0008	0.0008	1.4	20
Lead	3400	SP12376A	15	SP12376A	14	0.0044	0.0045	3.4	20
Mercury	3400	H12376SP	15	H12376SP	14	0.0816U	0.0816U	---	20
Selenium	3400	SP12376A	15	SP12376A	14	0.00636U	0.00636U	---	20
Silver	3400	SP12376A	15	SP12376A	14	0.000739U	0.000739U	---	20

TxtQcType: SD Matrix: SPLP SampleID: AC57100-021

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Arsenic	3400	SP12376A	21	SP12376A	20	5	-0.0002	0.0007	---	10
Barium	3400	SP12376A	21	SP12376A	20	5	-0.0001	0.0052	---	10
Cadmium	3400	SP12376A	21	SP12376A	20	5	-0.0002	0.0001	---	10
Chromium	3400	SP12376A	21	SP12376A	20	5	-0.0013	-0.0005	---	10
Lead	3400	SP12376A	21	SP12376A	20	5	-0.0003	0.0011	---	10
Selenium	3400	SP12376A	21	SP12376A	20	5	0.0014	-0.0005	---	10
Silver	3400	SP12376A	21	SP12376A	20	5	0.0002	0.0002	---	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

SPLP
Metal Data
Verification of Instrument Parameters

MDL / RL SUMMARY
SPLP
PE ICP 2

ELEMENT	MDL	Reporting Limits (Mg/L)
AL	0.0305	1
SB	0.00477	0.07
AS	0.00584	0.2
BA	0.000332	0.25
BE	0.0000617	0.01
CD	0.000432	0.05
CA	0.0432	5
CR	0.00071	0.2
CO	0.000557	0.2
CU	0.00148	0.2
FE	0.0116	1
PB	0.00206	0.065
MG	0.0127	5
MN	0.000446	0.2
MO	0.000551	0.2
NI	0.000799	0.2
SE	0.00636	0.2
AG	0.000739	0.05
TL	0.00163	0.2
SN	0.0023	0.2
TI	0.00035	0.2
V	0.00159	0.2
ZN	0.00143	0.2

Al and Ca analyzed on 10/22/10. All other analytes analyzed on 10/20/10.

HGCV2 MDL/RL SUMMARY

Element: Mercury
Instrument: PE FIMS 100 **Instrument ID:** HgCV2
Technique: CV **Analyst** Mudassar Janjua

600 Series	METHOD	MDL (ppb)	Completed	RL (ppb)
H2O	245.1	0.0766	9/8/2010	0.20
SW846				
H2O	7470A	0.0613	9/15/2010	0.70
SOIL	7471 A	0.1676	9/13/2010	0.50
TCLP	7470A	0.1380	9/13/2010	0.70
SPLP	7470A	0.0816	9/13/2010	0.70

INTERELEMENT CORRECTION SUMMARY
PEICP2

	Interfering Elements							
	Al	**Ca**	**Fe**	**Mg**	**Mn**	**Mo**	**Ti**	**Zn**
Interfered Elements								
Al	N/A	0	0	0	0	23.1	0	0
Sb	0.0164	0	-0.188	0.0111	0	0.373	-0.205	0
As	-0.00359	0.0209	-0.144	-0.00544	0	2.18	0.163	0
Ba	0	0	0.0107	0	0	0	0	0
Be	0	0	-0.00806	0	0	0	0.643	0
Cd	0.00713	0	0.00969	0	0	0	0	0
Ca	0	N/A	0	0	0	0	0	0
Cr	-0.00103	0	-0.0332	0	-0.759	-4.8	0	0
Co	-0.0165	0	0.0312	0	0	-3.52	2.33	0
Cu	0	0.0151	0	0	0	0	0.574	0
Fe	0	0	N/A	-0.369	0	0	0	0
Pb	-0.2	0.0411	0.0581	0.0141	0	-2.78	-0.121	0
Mg	0	0	0	N/A	0	-16.1	0	0
Mn	0	0	-0.0473	-0.00825	N/A	-0.411	0	0
Mo	-0.0251	0.0251	0	0	0	N/A	0	0
Ni	0	0	0	0	0	-0.672	0	0
Se	0.0591	0	-0.298	-0.0102	0.31	0.959	0	0
Ag	0	0	-0.018	0	0.423	1.04	0	0
Sr	0	0.0108	0	0.00248	0	0	0	0
Tl	-0.0138	-0.00602	-0.0311	0	0.41	1.39	-4.48	0
Sn	0.0196	-0.02	-0.0219	0.000378	0	0	-0.78	0
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0.0406	0.0266	0	-0.21	-0.555	0
Zn	0	-0.00526	0.0321	0.00302	0	0.554	0	N/A

IEC'S RUN 09/27/10
modified Be, Cd 12/20/10. modified Ba on 1/27/11, Sn on 1/31/11, Cr, Mo on 2/2/11. modified Tl on 2/18/11, As on 2/22/11. modified Pb, V, Zn on 2/28/11.Mod. Sb on 3/2/11. modified Mn, Se on 3/4/11.

LINEAR RANGES
PE ICP 2
Axial

ELEMENT	LINEAR RANGE (PPM)
Al	900
Sb	9
As	45
Ba	45
Be	4.5
Cd	45
Ca	720
Cr	45
Co	45
Cu	45
Fe	630
Pb	45
Mg	900
Mn	45
Mo	45
Ni	45
Se	45
Ag	1.8
Tl	45
Sn	45
Ti	36
V	45
Zn	45

Al, Ca, Mg and Fe analyzed on 8/12/10. Sb analyzed on 8/13/10. All the others analyzed on 8/11/10.

SPLP
Metal Data
Raw Data

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12319A2.txt

Analysis Date: 02/15/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-107293	1	CAL	17:07	1							V-107293(ICB/CCB)
Calib 1 V-104185	1	CAL	17:12	2							V-104185(ICS1 Lowest std)
Calib 2 V-105540	1	CAL	17:15	3							V-105540(ICS2- Low Std)
Calib 3 V-105541	1	CAL	17:19	4							V-105541(ICS3 - Middle Std)
Calib 4 V-107286	1	CAL	17:23	5							V-107286(ICS4 - High std)
ICS3 V-105541	1	ICS	17:28	6							V-105541(ICS3 - Middle Std)
ICV V-106421 (2)	1	ICV	17:31	7							V-106421(ICV)
ICB V-107293	1	ICB	17:36	8							V-107293(ICB/CCB)
ICSA V-107288	1	ICSA	17:40	9							V-107288(ICSA)
ICSAB V-106425	1	ICSAB	17:45	10							V-106425(ICSAB)
MB 3328 (1)	1	MB	17:51	11	METALS-SPLP	SPLP	SPLP	SW846	3328		0
LCSW 3328	1	LCS	17:55	12	METALS-SPLP	SPLP	SPLP	SW846	3328		0
LCSW MR 3328	1	LCS	17:58	13	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	SMP	18:02	14	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	MR	18:06	15	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	MS	18:09	16	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	PS	18:13	17	METALS-SPLP	SPLP	SPLP	SW846	3328		0
CCV V-107291	1	CCV	18:17	18							V-107291(CCV)
CCB	1	CCB	18:21	19							0
AC57098-005	1	SMP	18:24	20	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-005	5	SD	18:28	21	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57100-001	1	SMP	18:31	22	METALS-SPLP	SPLP	SPLP	SW846	3328		0
AC57100-006	1	SMP	18:35	23	METALS-SPLP	SPLP	SPLP	SW846	3328		0
EF DI BLANK 02/11/2011	1	EF	18:39	24		SPLP	SPLP	SW846	3328		0
EF DI BLANK 02/15/2011	1	EF	18:42	25		SPLP	SPLP	SW846	3328		0
ICSA V-107288	1	ICSA	18:46	26							V-107288(ICSA)
ICSAB V-106425	1	ICSAB	18:51	27							V-106425(ICSAB)
CCV V-107291	1	CCV	18:57	28							V-107291(CCV)
CCB	1	CCB	19:00	29							0

Comments/Reviewedby:

sean
192.168.1.17 2/16/2011 12:41:54 PM

OK

2/18/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12319SP.txt

Analysis Date: 02/17/11 **Instrument:** HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	10:29	1							0
.2 PPB	1	CAL	10:31	2							0
.5 PPB	1	CAL	10:32	3							0
1 PPB	1	CAL	10:34	4							0
2 PPB	1	CAL	10:35	5							0
5 PPB	1	CAL	10:37	6							0
10 PPB	1	CAL	10:38	7							0
25 PPB	1	CAL	10:40	8							0
ICV (2)	1	ICV	10:41	9							0
ICB	1	ICB	10:43	10							0
MB 3328 (1)	1	MB	10:44	11	HG-SPLP	SPLP	SPLP	SW846	3328		0
LCSW 3328	1	LCS	10:46	12	HG-SPLP	SPLP	SPLP	SW846	3328		0
LCSW MR 3328	1	LCS	10:47	13	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	SMP	10:49	14	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	MR	10:50	15	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	MS	10:52	16	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-005	1	SMP	10:53	17	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57100-001	1	SMP	10:55	18	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57100-006	1	SMP	10:56	19	HG-SPLP	SPLP	SPLP	SW846	3328		0
DI-2/11	1	SMP	10:58	20		SPLP	SPLP	SW846	3328		0
CCV	1	CCV	10:59	21							0
CCB	1	CCB	11:01	22							0
DI-2/15	1	SMP	11:02	23		SPLP	SPLP	SW846	3328		0
CCV	1	CCV	11:04	24							0
CCB	1	CCB	11:05	25							0

Comments/Reviewedby:

carmela
192.168.1.75 2/17/2011 11:10:20 AM

OK

2/17/11

Standard/Batch/SnCl2 Lot #:

V-108610

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108482

Prepared By:	Perez-Capellan, Joelly	Department: Metals	ApprovedBy: melissa
Description:	Hg Intermediate Standard	BatchNumber: B-9681	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: .25 ppm	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 500 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4819	Mercury	.125 ml	1000 mg/l	
5540	Nitric Acid	12.5 ml	neat neat	

Veritech Lot Number: V-108483

Prepared By:	Perez-Capellan, Joelly	Department: Metals	ApprovedBy: melissa
Description:	Hg intermediate Control	BatchNumber: B-9681	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 1.0 ppm	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-108598

Prepared By:	Soules, John	Department: Metals	ApprovedBy: melissa
Description:	Hg AQ ICV 20 ppb	BatchNumber: B-9691	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 20 ppb	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108483	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108599

Prepared By:	Soules, John	Department: Metals	ApprovedBy: melissa
Description:	Hg AQ CCV 10 ppb	BatchNumber: B-9691	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 10 ppb	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108483	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108600

Prepared By:	Soules, John	Department: Metals	ApprovedBy: melissa
Description:	Hg AQ standard blk	BatchNumber: B-9691	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 0 ppb	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108601

Prepared By: Soules, John
Description: Hg AQ standard .2 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: .2 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108602

Prepared By: Soules, John
Description: Hg AQ standard .5 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: .5 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-108482	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-108603

Prepared By: Soules, John
Description: Hg AQ standard 1 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 1 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108604

Prepared By: Soules, John
Description: Hg AQ standard 2 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 2 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108605

Prepared By: Soules, John
Description: Hg AQ standard 5 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 5 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108606

Prepared By: Soules, John
Description: Hg AQ standard 10 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108607

Prepared By:	Soules, John	Department: Metals	ApprovedBy: melissa
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9691	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 25 ppb	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description: DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description: Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description: Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5540

Description: Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101034

Prepared By: Berls, Sean R.
Description: 5% Potassium Persulfate
Prep Date: 11/9/2010
Expiration Date: 2/8/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5482	Nitric Acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105162

Prepared By: Aliano, Carmela
Description: Hydroxylamine Hydrochloride
Prep Date: 1/4/2011
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 01/21/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-105540

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5482	Nitric Acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-105541

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-106421

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5540	Nitric Acid	25 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-106425

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107286

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107288

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5247	ICSA	50 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Lot Number: V-107291

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5401	ICV1	10 ml	NEAT neat	

Veritech Lot Number: V-107293

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 1000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107507

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 2/3/2011
Expiration Date: 8/3/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5481	Hydrochloric acid	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108388

Prepared By:	Perez-Capellan, Joelly	Department:	Metals	ApprovedBy:	melissa
Description:	5% Potassium Permanganate	BatchNumber:		ApproveDate:	02/22/11
Prep Date:	2/14/2011	Concentration:	reagent	Checked:	Yes
Expiration Date:	8/13/2011	Final Volume:	9.5 l		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108483

Prepared By:	Perez-Capellan, Joelly	Department:	Metals	ApprovedBy:	melissa
Description:	Hg intermediate Control	BatchNumber:	B-9681	ApproveDate:	02/22/11
Prep Date:	2/15/2011	Concentration:	1.0 ppm	Checked:	Yes
Expiration Date:	2/15/2011	Final Volume:	100 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-108610

Prepared By:	Aliano, Carmela	Department:	Metals	ApprovedBy:	melissa
Description:	SnCl2	BatchNumber:	B-9692	ApproveDate:	02/22/11
Prep Date:	2/17/2011	Concentration:	1.1% SnCl2 in	Checked:	Yes
Expiration Date:	2/17/2011	Final Volume:	1000 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-108611	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-108611

Prepared By:	Aliano, Carmela	Department:	Metals	ApprovedBy:	melissa
Description:	3% HCL	BatchNumber:	B-9692	ApproveDate:	02/22/11
Prep Date:	2/17/2011	Concentration:	reagent reage	Checked:	Yes
Expiration Date:	2/17/2011	Final Volume:	10 l		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5365	hydrochloric acid	300 ml	neat neat	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description: DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description: POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description: Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description: Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description: Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description: Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description: Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description
Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description
Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5202

Description: Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description: icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description: hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description: ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description: ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5481

Description: Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

File SP12319A2 Batch 12319 SPLP

Method: PE2 4300DV AXIAL Page 1 Date: 2/15/2011 5:11:04 PM

Analyst [signature] 2/16/11

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Analysis Begun

Start Time: 2/15/2011 5:07:36 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 4300 DV, S/N 069N-na
Plasma On Time: 2/15/2011 9:56:41 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12319A2
Results Library: C:\pe\administrator\Results\Results.mdb

[signature] 2/18/11

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Method Loaded
Method Name: PE2 4300DV AXIAL
IEC File: IEC092710.iec
Method Description: 200.7/6010B
Method Last Saved: 2/14/2011 3:04:51 PM
MSF File:

==========

Sequence No.: 1
Sample ID: Calib Blk 1 V-107293
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 2/15/2011 5:07:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-107293

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1355902.4	773.41	0.06%	100	%
Y 371.029	573475.4	41.50	0.01%	100	%
Ag 328.068†	354.7	21.73	6.13%	[0.00]	mg/L
Al 308.215†	16823.5	120.62	0.72%	[0.00]	mg/L
As 188.979†	-13.6	1.48	10.92%	[0.00]	mg/L
Ba 233.527†	-886.0	25.51	2.88%	[0.00]	mg/L
Be 313.107†	-1530.8	82.45	5.39%	[0.00]	mg/L
Ca 315.887†	-28280.6	149.49	0.53%	[0.00]	mg/L
Cd 228.802†	438.4	12.39	2.83%	[0.00]	mg/L
Co 228.616†	105.4	11.60	11.01%	[0.00]	mg/L
Cr 267.716†	320.1	18.82	5.88%	[0.00]	mg/L
Cu 327.393†	-2470.9	99.96	4.05%	[0.00]	mg/L
Fe 273.955†	-3159.3	25.24	0.80%	[0.00]	mg/L
K 404.721†	2601.6	105.06	4.04%	[0.00]	mg/L
Mg 279.077†	-4783.1	2.72	0.06%	[0.00]	mg/L
Mn 257.610†	-2013.4	18.77	0.93%	[0.00]	mg/L
Mo 202.031†	50.8	1.18	2.32%	[0.00]	mg/L
Na 330.237†	-439.8	88.19	20.05%	[0.00]	mg/L
Ni 231.604†	326.2	0.79	0.24%	[0.00]	mg/L
Pb 220.353†	-0.2	8.88	>999.9%	[0.00]	mg/L
Sb 206.836†	21.5	0.27	1.26%	[0.00]	mg/L
Se 196.026†	45.2	0.35	0.77%	[0.00]	mg/L
Sn 189.927†	11.3	4.82	42.65%	[0.00]	mg/L
Ti 334.940†	2227.7	73.48	3.30%	[0.00]	mg/L
Tl 190.801†	-19.2	1.09	5.70%	[0.00]	mg/L
V 290.880†	6123.4	55.16	0.90%	[0.00]	mg/L
Zn 206.200†	22.7	4.06	17.88%	[0.00]	mg/L

12319/3328

All elements were reported.

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 2/15/2011 5:12:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1381202.2	12893.59	0.93%	102	%
Y 371.029	581393.4	5057.21	0.87%	101	%
As 188.979†	3.5	3.86	109.68%	[0.005]	mg/L
Be 313.107†	10858.2	99.65	0.92%	[0.003]	mg/L
Cd 228.802†	159.1	5.30	3.33%	[0.003]	mg/L
Pb 220.353†	58.1	7.35	12.65%	[0.004]	mg/L
Tl 190.801†	8.0	2.51	31.53%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-105540
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 2/15/2011 5:15:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-105540

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1357652.7	12574.55	0.93%	100	%
Y 371.029	571645.5	5025.73	0.88%	99.7	%
Ag 328.068†	199.3	8.44	4.24%	[0.002]	mg/L
Al 308.215†	3137.6	348.13	11.10%	[0.10]	mg/L
As 188.979†	11.0	0.23	2.11%	[0.010]	mg/L
Ba 233.527†	1920.6	16.23	0.85%	[0.010]	mg/L
Be 313.107†	33846.3	824.49	2.44%	[0.010]	mg/L
Ca 315.887†	113801.3	1036.94	0.91%	[1.0]	mg/L
Cd 228.802†	509.4	10.83	2.13%	[0.010]	mg/L
Co 228.616†	444.6	3.38	0.76%	[0.010]	mg/L
Cr 267.716†	977.0	13.87	1.42%	[0.010]	mg/L
Cu 327.393†	1713.5	15.28	0.89%	[0.010]	mg/L
Fe 273.955†	1447.2	134.82	9.32%	[0.10]	mg/L
K 404.721†	81.6	47.52	58.24%	[1.0]	mg/L
Mg 279.077†	19892.1	359.41	1.81%	[1.0]	mg/L
Mn 257.610†	5014.6	82.23	1.64%	[0.010]	mg/L
Mo 202.031†	146.7	0.73	0.50%	[0.010]	mg/L
Na 330.237†	808.4	55.84	6.91%	[1.0]	mg/L
Ni 231.604†	587.4	8.56	1.46%	[0.010]	mg/L
Pb 220.353†	147.5	7.52	5.10%	[0.010]	mg/L
Sb 206.836†	15.4	4.10	26.56%	[0.010]	mg/L
Se 196.026†	2.9	2.69	93.91%	[0.010]	mg/L
Sn 189.927†	39.4	0.06	0.16%	[0.010]	mg/L
Ti 334.940†	9018.4	265.10	2.94%	[0.010]	mg/L
Tl 190.801†	12.5	1.70	13.63%	[0.010]	mg/L
V 290.880†	1700.9	115.90	6.81%	[0.010]	mg/L
Zn 206.200†	467.6	8.75	1.87%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-105541
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/15/2011 5:19:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-105541

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1311742.5	1000.42	0.08%	96.7	%
Y 371.029	545728.0	584.30	0.11%	95.2	%
Ag 328.068†	10698.6	99.82	0.93%	[0.10]	mg/L
Al 308.215†	164999.5	934.37	0.57%	[5.0]	mg/L
As 188.979†	672.6	5.45	0.81%	[0.50]	mg/L
Ba 233.527†	92426.6	605.62	0.66%	[0.50]	mg/L
Be 313.107†	1747170.2	19369.12	1.11%	[0.50]	mg/L
Ca 315.887†	6116733.8	62867.78	1.03%	[50]	mg/L
Cd 228.802†	25885.7	140.98	0.54%	[0.50]	mg/L
Co 228.616†	21346.4	179.98	0.84%	[0.50]	mg/L
Cr 267.716†	47185.9	416.73	0.88%	[0.50]	mg/L
Cu 327.393†	76570.4	533.51	0.70%	[0.50]	mg/L
Fe 273.955†	66517.8	479.62	0.72%	[5.0]	mg/L
K 404.721†	2037.2	34.35	1.69%	[50]	mg/L
Mg 279.077†	1001098.8	10509.97	1.05%	[50]	mg/L
Mn 257.610†	239660.8	1743.87	0.73%	[0.50]	mg/L
Mo 202.031†	7464.6	31.77	0.43%	[0.50]	mg/L
Na 330.237†	50701.3	207.26	0.41%	[50]	mg/L
Ni 231.604†	29124.3	187.87	0.65%	[0.50]	mg/L
Pb 220.353†	6732.8	2.11	0.03%	[0.50]	mg/L
Sb 206.836†	924.8	1.89	0.20%	[0.50]	mg/L
Se 196.026†	658.3	1.12	0.17%	[0.50]	mg/L
Sn 189.927†	1791.7	1.19	0.07%	[0.50]	mg/L
Ti 334.940†	467531.4	5450.50	1.17%	[0.50]	mg/L
Tl 190.801†	573.5	8.28	1.44%	[0.50]	mg/L
V 290.880†	86739.8	581.05	0.67%	[0.50]	mg/L
Zn 206.200†	22054.9	194.64	0.88%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-107286
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/15/2011 5:23:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-107286

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1262949.1	15401.66	1.22%	93.1	%
Y 371.029	525210.3	5960.07	1.13%	91.6	%
Ag 328.068†	21677.7	113.09	0.52%	[0.20]	mg/L
Al 308.215†	341614.5	1922.66	0.56%	[10]	mg/L
As 188.979†	1378.3	9.50	0.69%	[1.0]	mg/L
Ba 233.527†	185839.6	840.56	0.45%	[1.0]	mg/L
Be 313.107†	3536125.3	76285.32	2.16%	[1.0]	mg/L
Ca 315.887†	12069812.0	257725.21	2.14%	[100]	mg/L
Cd 228.802†	52708.5	251.26	0.48%	[1.0]	mg/L
Co 228.616†	43152.3	439.19	1.02%	[1.0]	mg/L
Cr 267.716†	95197.9	491.94	0.52%	[1.0]	mg/L
Cu 327.393†	155953.2	832.65	0.53%	[1.0]	mg/L
Fe 273.955†	133885.0	664.59	0.50%	[10]	mg/L
K 404.721†	4532.7	194.34	4.29%	[100]	mg/L
Mg 279.077†	1970548.3	7808.62	0.40%	[100]	mg/L
Mn 257.610†	482429.1	2160.78	0.45%	[1.0]	mg/L
Mo 202.031†	14759.8	187.78	1.27%	[1.0]	mg/L
Na 330.237†	110615.3	489.28	0.44%	[100]	mg/L
Ni 231.604†	58127.7	227.01	0.39%	[1.0]	mg/L
Pb 220.353†	13526.7	147.36	1.09%	[1.0]	mg/L
Sb 206.836†	1847.1	15.93	0.86%	[1.0]	mg/L
Se 196.026†	1344.7	8.18	0.61%	[1.0]	mg/L
Sn 189.927†	3551.7	38.51	1.08%	[1.0]	mg/L
Ti 334.940†	928337.3	4973.60	0.54%	[1.0]	mg/L
Tl 190.801†	1147.0	15.42	1.34%	[1.0]	mg/L
V 290.880†	175131.6	1078.74	0.62%	[1.0]	mg/L
Zn 206.200†	43890.7	220.14	0.50%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-33.5	108300	0.00000	0.999979	
Al 308.215	3	Lin, Calc Int	-1183.5	34070	0.00000	0.999848	
As 188.979	4	Lin, Calc Int	-4.0	1376	0.00000	0.999937	
Ba 233.527	3	Lin, Calc Int	-61.5	185700	0.00000	0.999996	
Be 313.107	4	Lin, Calc Int	-2997.1	3531000	0.00000	0.999984	
Ca 315.887	3	Lin, Calc Int	11761.7	120900	0.00000	0.999974	
Cd 228.802	4	Lin, Calc Int	-63.6	52600	0.00000	0.999963	
Co 228.616	3	Lin, Calc Int	-35.9	43100	0.00000	0.999984	
Cr 267.716	3	Lin, Calc Int	-63.8	95110	0.00000	0.999990	
Cu 327.393	3	Lin, Calc Int	-186.0	155600	0.00000	0.999953	
Fe 273.955	3	Lin, Calc Int	-28.1	13370	0.00000	0.999994	
K 404.721	3	Lin, Calc Int	-25.2	44.72	0.00000	0.998459	
Mg 279.077	3	Lin, Calc Int	2964.9	19730	0.00000	0.999966	
Mn 257.610	3	Lin, Calc Int	-196.4	482000	0.00000	0.999994	
Mo 202.031	3	Lin, Calc Int	15.0	14780	0.00000	0.999982	
Na 330.237	3	Lin, Calc Int	-973.5	1099	0.00000	0.999090	
Ni 231.604	3	Lin, Calc Int	13.8	58140	0.00000	0.999999	
Pb 220.353	4	Lin, Calc Int	1.3	13510	0.00000	0.999997	
Sb 206.836	3	Lin, Calc Int	-1.2	1849	0.00000	0.999998	
Se 196.026	3	Lin, Calc Int	-7.4	1348	0.00000	0.999939	
Sn 189.927	3	Lin, Calc Int	4.7	3552	0.00000	0.999990	
Ti 334.940	3	Lin, Calc Int	491.7	929100	0.00000	0.999993	
Tl 190.801	4	Lin, Calc Int	1.0	1146	0.00000	0.999999	
V 290.880	3	Lin, Calc Int	-173.2	175000	0.00000	0.999988	
Zn 206.200	3	Lin, Calc Int	33.0	43890	0.00000	0.999997	

Sequence No.: 6
Sample ID: ICS3 V-105541
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/15/2011 5:28:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-105541

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1304343.7	96.2	%	0.84				0.88%
Y 371.029	542740.7	94.6	%	0.76				0.80%
Ag 328.068†	10626.6	0.0977747	mg/L	0.00058535	0.0977747	mg/L	0.00058535	0.60%
QC value within limits for Ag 328.068 Recovery = 97.77%								
Al 308.215†	164621.1	4.85457	mg/L	0.076394	4.85457	mg/L	0.076394	1.57%
QC value within limits for Al 308.215 Recovery = 97.09%								
As 188.979†	677.6	0.494395	mg/L	0.0067623	0.494395	mg/L	0.0067623	1.37%
QC value within limits for As 188.979 Recovery = 98.88%								
Ba 233.527†	92135.9	0.496387	mg/L	0.0052290	0.496387	mg/L	0.0052290	1.05%
QC value within limits for Ba 233.527 Recovery = 99.28%								
Be 313.107†	1747731.4	0.495480	mg/L	0.0072492	0.495480	mg/L	0.0072492	1.46%
QC value within limits for Be 313.107 Recovery = 99.10%								
Ca 315.887†	6120570.8	50.5350	mg/L	0.67127	50.5350	mg/L	0.67127	1.33%
QC value within limits for Ca 315.887 Recovery = 101.07%								
Cd 228.802†	25792.9	0.491505	mg/L	0.0059333	0.491505	mg/L	0.0059333	1.21%
QC value within limits for Cd 228.802 Recovery = 98.30%								
Co 228.616†	21311.7	0.495799	mg/L	0.0060753	0.495799	mg/L	0.0060753	1.23%
QC value within limits for Co 228.616 Recovery = 99.16%								
Cr 267.716†	47014.4	0.497971	mg/L	0.0063761	0.497971	mg/L	0.0063761	1.28%
QC value within limits for Cr 267.716 Recovery = 99.59%								
Cu 327.393†	76528.0	0.491916	mg/L	0.0067845	0.491916	mg/L	0.0067845	1.38%
QC value within limits for Cu 327.393 Recovery = 98.38%								
Fe 273.955†	66548.9	4.99640	mg/L	0.070499	4.99640	mg/L	0.070499	1.41%
QC value within limits for Fe 273.955 Recovery = 99.93%								
K 404.721†	2076.2	46.9923	mg/L	3.32732	46.9923	mg/L	3.32732	7.08%
QC value within limits for K 404.721 Recovery = 93.98%								
Mg 279.077†	1001467.0	50.6088	mg/L	0.68324	50.6088	mg/L	0.68324	1.35%
QC value within limits for Mg 279.077 Recovery = 101.22%								
Mn 257.610†	239320.9	0.494980	mg/L	0.0057453	0.494980	mg/L	0.0057453	1.16%
QC value within limits for Mn 257.610 Recovery = 99.00%								
Mo 202.031†	7516.4	0.506542	mg/L	0.0053256	0.506542	mg/L	0.0053256	1.05%
QC value within limits for Mo 202.031 Recovery = 101.31%								
Na 330.237†	50511.8	46.8276	mg/L	0.56123	46.8276	mg/L	0.56123	1.20%
QC value within limits for Na 330.237 Recovery = 93.66%								
Ni 231.604†	29070.0	0.500145	mg/L	0.0063046	0.500145	mg/L	0.0063046	1.26%
QC value within limits for Ni 231.604 Recovery = 100.03%								
Pb 220.353†	6766.8	0.501501	mg/L	0.0031998	0.501501	mg/L	0.0031998	0.64%
QC value within limits for Pb 220.353 Recovery = 100.30%								
Sb 206.836†	924.7	0.501108	mg/L	0.0059616	0.501108	mg/L	0.0059616	1.19%
QC value within limits for Sb 206.836 Recovery = 100.22%								
Se 196.026†	658.0	0.495065	mg/L	0.0124756	0.495065	mg/L	0.0124756	2.52%
QC value within limits for Se 196.026 Recovery = 99.01%								
Sn 189.927†	1807.8	0.508967	mg/L	0.0035998	0.508967	mg/L	0.0035998	0.71%
QC value within limits for Sn 189.927 Recovery = 101.79%								
Ti 334.940†	467510.9	0.502665	mg/L	0.0075653	0.502665	mg/L	0.0075653	1.51%
QC value within limits for Ti 334.940 Recovery = 100.53%								
Tl 190.801†	573.2	0.501157	mg/L	0.0050649	0.501157	mg/L	0.0050649	1.01%
QC value within limits for Tl 190.801 Recovery = 100.23%								
V 290.880†	86545.8	0.493080	mg/L	0.0065047	0.493080	mg/L	0.0065047	1.32%
QC value within limits for V 290.880 Recovery = 98.62%								
Zn 206.200†	22025.5	0.499078	mg/L	0.0056989	0.499078	mg/L	0.0056989	1.14%
QC value within limits for Zn 206.200 Recovery = 99.82%								

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: ICV V-106421 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 2/15/2011 5:31:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-106421 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1262000.9	93.1	%	0.15				0.16%
Y 371.029	524967.1	91.5	%	0.13				0.14%
Ag 328.068†	21865.3	0.200881	mg/L	0.0017412	0.200881	mg/L	0.0017412	0.87%
QC value within limits for Ag 328.068 Recovery = 100.44%								
Al 308.215†	356033.5	10.4606	mg/L	0.07996	10.4606	mg/L	0.07996	0.76%
QC value within limits for Al 308.215 Recovery = 104.61%								
As 188.979†	1413.4	1.02822	mg/L	0.004029	1.02822	mg/L	0.004029	0.39%
QC value within limits for As 188.979 Recovery = 102.82%								
Ba 233.527†	191743.4	1.03267	mg/L	0.006315	1.03267	mg/L	0.006315	0.61%
QC value within limits for Ba 233.527 Recovery = 103.27%								
Be 313.107†	3601632.4	1.02017	mg/L	0.003646	1.02017	mg/L	0.003646	0.36%
QC value within limits for Be 313.107 Recovery = 102.02%								
Ca 315.887†	12482389.5	103.163	mg/L	0.3185	103.163	mg/L	0.3185	0.31%
QC value within limits for Ca 315.887 Recovery = 103.16%								
Cd 228.802†	54206.5	1.03162	mg/L	0.008237	1.03162	mg/L	0.008237	0.80%
QC value within limits for Cd 228.802 Recovery = 103.16%								
Co 228.616†	44554.8	1.03556	mg/L	0.002984	1.03556	mg/L	0.002984	0.29%
QC value within limits for Co 228.616 Recovery = 103.56%								
Cr 267.716†	96759.2	1.02403	mg/L	0.008042	1.02403	mg/L	0.008042	0.79%
QC value within limits for Cr 267.716 Recovery = 102.40%								
Cu 327.393†	157975.0	1.01421	mg/L	0.007200	1.01421	mg/L	0.007200	0.71%
QC value within limits for Cu 327.393 Recovery = 101.42%								
Fe 273.955†	135904.2	10.2010	mg/L	0.06802	10.2010	mg/L	0.06802	0.67%
QC value within limits for Fe 273.955 Recovery = 102.01%								
K 404.721†	4615.8	103.785	mg/L	2.2179	103.785	mg/L	2.2179	2.14%
QC value within limits for K 404.721 Recovery = 103.78%								
Mg 279.077†	2025885.3	102.531	mg/L	0.6543	102.531	mg/L	0.6543	0.64%
QC value within limits for Mg 279.077 Recovery = 102.53%								
Mn 257.610†	491064.2	1.01527	mg/L	0.006302	1.01527	mg/L	0.006302	0.62%
QC value within limits for Mn 257.610 Recovery = 101.53%								
Mo 202.031†	15082.0	1.01740	mg/L	0.003330	1.01740	mg/L	0.003330	0.33%
QC value within limits for Mo 202.031 Recovery = 101.74%								
Na 330.237†	114273.9	104.821	mg/L	0.6813	104.821	mg/L	0.6813	0.65%
QC value within limits for Na 330.237 Recovery = 104.82%								
Ni 231.604†	59285.4	1.02023	mg/L	0.006382	1.02023	mg/L	0.006382	0.63%
QC value within limits for Ni 231.604 Recovery = 102.02%								
Pb 220.353†	13830.1	1.02513	mg/L	0.002466	1.02513	mg/L	0.002466	0.24%
QC value within limits for Pb 220.353 Recovery = 102.51%								
Sb 206.836†	1883.4	1.01996	mg/L	0.006300	1.01996	mg/L	0.006300	0.62%
QC value within limits for Sb 206.836 Recovery = 102.00%								
Se 196.026†	1394.1	1.04266	mg/L	0.002614	1.04266	mg/L	0.002614	0.25%
QC value within limits for Se 196.026 Recovery = 104.27%								
Sn 189.927†	3721.2	1.04904	mg/L	0.003501	1.04904	mg/L	0.003501	0.33%
QC value within limits for Sn 189.927 Recovery = 104.90%								
Ti 334.940†	948601.0	1.02048	mg/L	0.006887	1.02048	mg/L	0.006887	0.67%
QC value within limits for Ti 334.940 Recovery = 102.05%								
Tl 190.801†	1221.0	1.06840	mg/L	0.006884	1.06840	mg/L	0.006884	0.64%
QC value within limits for Tl 190.801 Recovery = 106.84%								
V 290.880†	178828.9	1.01789	mg/L	0.006062	1.01789	mg/L	0.006062	0.60%
QC value within limits for V 290.880 Recovery = 101.79%								
Zn 206.200†	45118.3	1.02318	mg/L	0.006783	1.02318	mg/L	0.006783	0.66%
QC value within limits for Zn 206.200 Recovery = 102.32%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-107293
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/15/2011 5:36:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-107293

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1365342.9	101	%	0.3				0.26%
Y 371.029	577359.7	101	%	0.2				0.21%
Ag 328.068†	27.2	0.0005600	mg/L	0.00045922	0.0005600	mg/L	0.00045922	82.00%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-81.3	0.0323549	mg/L	0.00621800	0.0323549	mg/L	0.00621800	19.22%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.7	0.0024079	mg/L	0.00205071	0.0024079	mg/L	0.00205071	85.17%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	9.8	0.0003842	mg/L	0.00000418	0.0003842	mg/L	0.00000418	1.09%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	68.0	0.0008683	mg/L	0.00003136	0.0008683	mg/L	0.00003136	3.61%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	617.8	-0.0921883	mg/L	0.00214951	-0.0921883	mg/L	0.00214951	2.33%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-7.6	0.0010645	mg/L	0.00002124	0.0010645	mg/L	0.00002124	1.99%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	0.3	0.0008406	mg/L	0.00007902	0.0008406	mg/L	0.00007902	9.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.0	0.0006071	mg/L	0.00001511	0.0006071	mg/L	0.00001511	2.49%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	103.8	0.0018642	mg/L	0.00005318	0.0018642	mg/L	0.00005318	2.85%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-4.8	0.0016848	mg/L	0.00256959	0.0016848	mg/L	0.00256959	152.51%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	57.1	1.84031	mg/L	0.627395	1.84031	mg/L	0.627395	34.09%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	7.7	-0.149862	mg/L	0.0044437	-0.149862	mg/L	0.0044437	2.97%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	28.0	0.0004725	mg/L	0.00003215	0.0004725	mg/L	0.00003215	6.80%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	11.1	-0.0002617	mg/L	0.00035810	-0.0002617	mg/L	0.00035810	136.84%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	24.1	0.907364	mg/L	0.0007728	0.907364	mg/L	0.0007728	0.09%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	-17.8	-0.0005426	mg/L	0.00001358	-0.0005426	mg/L	0.00001358	2.50%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	9.5	0.0006151	mg/L	0.00134652	0.0006151	mg/L	0.00134652	218.91%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.1	0.0006734	mg/L	0.00023983	0.0006734	mg/L	0.00023983	35.61%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.2	0.0030789	mg/L	0.00038620	0.0030789	mg/L	0.00038620	12.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	18.1	0.0037791	mg/L	0.00103696	0.0037791	mg/L	0.00103696	27.44%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	88.2	-0.0004343	mg/L	0.00010749	-0.0004343	mg/L	0.00010749	24.75%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.5	0.0021976	mg/L	0.00038875	0.0021976	mg/L	0.00038875	17.69%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-33.5	0.0008057	mg/L	0.00037821	0.0008057	mg/L	0.00037821	46.94%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	18.0	-0.0003357	mg/L	0.00005299	-0.0003357	mg/L	0.00005299	15.78%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-107288
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 2/15/2011 5:40:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107288

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1170970.5	86.4	%	0.24				0.28%
Y 371.029	485392.2	84.6	%	0.25				0.29%
Ag 328.068†	-453.0	-0.0004618	mg/L	0.00032742	-0.0004618	mg/L	0.00032742	70.90%
Al 308.215†	17256167.0	506.498	mg/L	3.7690	506.498	mg/L	3.7690	0.74%
QC value within limits for Al 308.215 Recovery = 101.30%								
As 188.979†	-34.1	0.0084419	mg/L	0.00314110	0.0084419	mg/L	0.00314110	37.21%
Ba 233.527†	748.5	0.0023315	mg/L	0.00009560	0.0023315	mg/L	0.00009560	4.10%
Be 313.107†	-2889.9	0.0015537	mg/L	0.00000549	0.0015537	mg/L	0.00000549	0.35%
Ca 315.887†	58725962.5	485.712	mg/L	3.1663	485.712	mg/L	3.1663	0.65%
QC value within limits for Ca 315.887 Recovery = 97.14%								
Cd 228.802†	262.8	0.0007580	mg/L	0.00065888	0.0007580	mg/L	0.00065888	86.92%
Co 228.616†	-172.0	-0.0006975	mg/L	0.00000246	-0.0006975	mg/L	0.00000246	0.35%
Cr 267.716†	-193.6	0.0054488	mg/L	0.00020446	0.0054488	mg/L	0.00020446	3.75%
Cu 327.393†	1324.3	0.0023753	mg/L	0.00065755	0.0023753	mg/L	0.00065755	27.68%
Fe 273.955†	2529857.7	189.336	mg/L	0.5426	189.336	mg/L	0.5426	0.29%
QC value within limits for Fe 273.955 Recovery = 94.67%								
K 404.721†	-207.9	-4.08434	mg/L	0.568248	-4.08434	mg/L	0.568248	13.91%
Mg 279.077†	9915209.1	502.319	mg/L	3.6795	502.319	mg/L	3.6795	0.73%
QC value within limits for Mg 279.077 Recovery = 100.46%								
Mn 257.610†	-5250.5	-0.0247667	mg/L	0.00008970	-0.0247667	mg/L	0.00008970	0.36%
Mo 202.031†	86.0	0.0053113	mg/L	0.00017759	0.0053113	mg/L	0.00017759	3.34%
Na 330.237†	6.2	0.891074	mg/L	0.1012422	0.891074	mg/L	0.1012422	11.36%
Ni 231.604†	-10.3	-0.0004102	mg/L	0.00050702	-0.0004102	mg/L	0.00050702	123.59%
Pb 220.353†	-853.8	0.0002550	mg/L	0.00220973	0.0002550	mg/L	0.00220973	866.71%
Sb 206.836†	-45.6	0.0095601	mg/L	0.00232161	0.0095601	mg/L	0.00232161	24.28%
Se 196.026†	-56.7	-0.0154516	mg/L	0.00943333	-0.0154516	mg/L	0.00943333	61.05%
Sn 189.927†	10.1	0.0053020	mg/L	0.00052300	0.0053020	mg/L	0.00052300	9.86%
Ti 334.940†	1294.7	0.0008642	mg/L	0.00000112	0.0008642	mg/L	0.00000112	0.13%
Tl 190.801†	-26.2	-0.0079268	mg/L	0.00006390	-0.0079268	mg/L	0.00006390	0.81%
V 290.880†	5283.1	-0.0024302	mg/L	0.00048873	-0.0024302	mg/L	0.00048873	20.11%
Zn 206.200†	262.5	-0.0158812	mg/L	0.00000020	-0.0158812	mg/L	0.00000020	0.00%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-106425
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/15/2011 5:45:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-106425

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1167027.7	86.1	%	0.17				0.20%
Y 371.029	483742.8	84.4	%	0.19				0.22%
Ag 328.068†	112278.9	1.04016	mg/L	0.001102	1.04016	mg/L	0.001102	0.11%
QC value within limits for Ag 328.068 Recovery = 104.02%								
Al 308.215†	17181727.9	504.313	mg/L	0.7449	504.313	mg/L	0.7449	0.15%
QC value within limits for Al 308.215 Recovery = 100.86%								
As 188.979†	1349.5	1.01357	mg/L	0.003713	1.01357	mg/L	0.003713	0.37%
QC value within limits for As 188.979 Recovery = 101.36%								
Ba 233.527†	96021.1	0.515334	mg/L	0.0003015	0.515334	mg/L	0.0003015	0.06%
QC value within limits for Ba 233.527 Recovery = 103.07%								
Be 313.107†	1762095.9	0.501351	mg/L	0.0004800	0.501351	mg/L	0.0004800	0.10%
QC value within limits for Be 313.107 Recovery = 100.27%								
Ca 315.887†	58426032.6	483.231	mg/L	1.2626	483.231	mg/L	1.2626	0.26%
QC value within limits for Ca 315.887 Recovery = 96.65%								
Cd 228.802†	54150.5	1.02530	mg/L	0.000334	1.02530	mg/L	0.000334	0.03%
QC value within limits for Cd 228.802 Recovery = 102.53%								
Co 228.616†	20181.4	0.471472	mg/L	0.0004863	0.471472	mg/L	0.0004863	0.10%
QC value within limits for Co 228.616 Recovery = 94.29%								
Cr 267.716†	46613.7	0.497952	mg/L	0.0009048	0.497952	mg/L	0.0009048	0.18%
QC value within limits for Cr 267.716 Recovery = 99.59%								
Cu 327.393†	83427.6	0.530013	mg/L	0.0004696	0.530013	mg/L	0.0004696	0.09%
QC value within limits for Cu 327.393 Recovery = 106.00%								
Fe 273.955†	2525597.5	189.016	mg/L	0.2047	189.016	mg/L	0.2047	0.11%
QC value within limits for Fe 273.955 Recovery = 94.51%								
K 404.721†	-224.8	-4.46168	mg/L	2.491342	-4.46168	mg/L	2.491342	55.84%
Mg 279.077†	9870381.7	500.047	mg/L	1.1710	500.047	mg/L	1.1710	0.23%
QC value within limits for Mg 279.077 Recovery = 100.01%								
Mn 257.610†	234230.8	0.472125	mg/L	0.0001296	0.472125	mg/L	0.0001296	0.03%
QC value within limits for Mn 257.610 Recovery = 94.42%								
Mo 202.031†	89.4	0.0055523	mg/L	0.00097651	0.0055523	mg/L	0.00097651	17.59%
Na 330.237†	798.2	1.61145	mg/L	0.019351	1.61145	mg/L	0.019351	1.20%
Ni 231.604†	54284.7	0.933532	mg/L	0.0006968	0.933532	mg/L	0.0006968	0.07%
QC value within limits for Ni 231.604 Recovery = 93.35%								
Pb 220.353†	11960.5	0.948245	mg/L	0.0017748	0.948245	mg/L	0.0017748	0.19%
QC value within limits for Pb 220.353 Recovery = 94.82%								
Sb 206.836†	1845.8	1.03248	mg/L	0.001848	1.03248	mg/L	0.001848	0.18%
QC value within limits for Sb 206.836 Recovery = 103.25%								
Se 196.026†	1318.1	1.00437	mg/L	0.011421	1.00437	mg/L	0.011421	1.14%
QC value within limits for Se 196.026 Recovery = 100.44%								
Sn 189.927†	7.8	0.0046383	mg/L	0.00190220	0.0046383	mg/L	0.00190220	41.01%
Ti 334.940†	1402.6	0.0009804	mg/L	0.00002647	0.0009804	mg/L	0.00002647	2.70%
Tl 190.801†	1069.8	0.948582	mg/L	0.0038931	0.948582	mg/L	0.0038931	0.41%
QC value within limits for Tl 190.801 Recovery = 94.86%								
V 290.880†	90877.5	0.486782	mg/L	0.0002764	0.486782	mg/L	0.0002764	0.06%
QC value within limits for V 290.880 Recovery = 97.36%								
Zn 206.200†	42544.2	0.947443	mg/L	0.0016158	0.947443	mg/L	0.0016158	0.17%
QC value within limits for Zn 206.200 Recovery = 94.74%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3328 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 2/15/2011 5:51:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3328 (1)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1392733.8	103	%	1.1				1.06%
Y 371.029	586907.6	102	%	1.0				0.99%
Ag 328.068†	-24.9	0.0000805	mg/L	0.00014515	0.0000805	mg/L	0.00014515	180.42%
Al 308.215†	902.2	0.0612378	mg/L	0.00400590	0.0612378	mg/L	0.00400590	6.54%
As 188.979†	3.3	0.0053171	mg/L	0.00174987	0.0053171	mg/L	0.00174987	32.91%
Ba 233.527†	161.6	0.0012005	mg/L	0.00005808	0.0012005	mg/L	0.00005808	4.84%
Be 313.107†	41.7	0.0008614	mg/L	0.00000152	0.0008614	mg/L	0.00000152	0.18%
Ca 315.887†	48696.6	0.305543	mg/L	0.0036057	0.305543	mg/L	0.0036057	1.18%
Cd 228.802†	6.0	0.0013210	mg/L	0.00004579	0.0013210	mg/L	0.00004579	3.47%
Co 228.616†	0.0	0.0008273	mg/L	0.00011650	0.0008273	mg/L	0.00011650	14.08%
Cr 267.716†	11.5	0.0007928	mg/L	0.00001867	0.0007928	mg/L	0.00001867	2.36%
Cu 327.393†	283.8	0.0030146	mg/L	0.00031703	0.0030146	mg/L	0.00031703	10.52%
Fe 273.955†	1301.5	0.0993704	mg/L	0.00034478	0.0993704	mg/L	0.00034478	0.35%
K 404.721†	-52.9	-0.617675	mg/L	1.4165199	-0.617675	mg/L	1.4165199	229.33%
Mg 279.077†	776.3	-0.110925	mg/L	0.0010502	-0.110925	mg/L	0.0010502	0.95%
Mn 257.610†	1384.2	0.0032883	mg/L	0.00002275	0.0032883	mg/L	0.00002275	0.69%
Mo 202.031†	0.2	-0.0010089	mg/L	0.00021093	-0.0010089	mg/L	0.00021093	20.91%
Na 330.237†	135.1	1.00837	mg/L	0.017107	1.00837	mg/L	0.017107	1.70%
Ni 231.604†	-0.8	-0.0002517	mg/L	0.00024493	-0.0002517	mg/L	0.00024493	97.30%
Pb 220.353†	3.2	0.0001441	mg/L	0.00095205	0.0001441	mg/L	0.00095205	660.80%
Sb 206.836†	1.9	0.0016590	mg/L	0.00116176	0.0016590	mg/L	0.00116176	70.03%
Se 196.026†	-6.8	0.0004253	mg/L	0.00096115	0.0004253	mg/L	0.00096115	226.00%
Sn 189.927†	9.7	0.0014251	mg/L	0.00061685	0.0014251	mg/L	0.00061685	43.29%
Ti 334.940†	286.9	-0.0002204	mg/L	0.00000688	-0.0002204	mg/L	0.00000688	3.12%
Tl 190.801†	1.4	0.0003112	mg/L	0.00134944	0.0003112	mg/L	0.00134944	433.61%
V 290.880†	-70.0	0.0005912	mg/L	0.00056807	0.0005912	mg/L	0.00056807	96.08%
Zn 206.200†	318.9	0.0065163	mg/L	0.00012215	0.0065163	mg/L	0.00012215	1.87%

Sequence No.: 12
Sample ID: LCSW 3328
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 2/15/2011 5:55:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3328

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1307359.8	96.4	%	3.61				3.75%
Y 371.029	544104.6	94.9	%	3.49				3.68%
Ag 328.068†	10375.7	0.0954784	mg/L	0.00487934	0.0954784	mg/L	0.00487934	5.11%
Al 308.215†	174046.3	5.13158	mg/L	0.296829	5.13158	mg/L	0.296829	5.78%
As 188.979†	663.1	0.483943	mg/L	0.0202205	0.483943	mg/L	0.0202205	4.18%
Ba 233.527†	92931.4	0.500665	mg/L	0.0269268	0.500665	mg/L	0.0269268	5.38%
Be 313.107†	1736061.9	0.492182	mg/L	0.0250410	0.492182	mg/L	0.0250410	5.09%
Ca 315.887†	6143772.9	50.7269	mg/L	2.53559	50.7269	mg/L	2.53559	5.00%
Cd 228.802†	25880.3	0.493160	mg/L	0.0261722	0.493160	mg/L	0.0261722	5.31%
Co 228.616†	21614.8	0.502774	mg/L	0.0272366	0.502774	mg/L	0.0272366	5.42%
Cr 267.716†	47487.0	0.502888	mg/L	0.0278709	0.502888	mg/L	0.0278709	5.54%
Cu 327.393†	77009.4	0.495010	mg/L	0.0269711	0.495010	mg/L	0.0269711	5.45%
Fe 273.955†	73255.8	5.49755	mg/L	0.258617	5.49755	mg/L	0.258617	4.70%
K 404.721†	2048.7	46.3783	mg/L	4.58346	46.3783	mg/L	4.58346	9.88%
Mg 279.077†	985498.1	49.7993	mg/L	2.48699	49.7993	mg/L	2.48699	4.99%
Mn 257.610†	245787.2	0.508449	mg/L	0.0271334	0.508449	mg/L	0.0271334	5.34%
Mo 202.031†	7271.4	0.489966	mg/L	0.0202369	0.489966	mg/L	0.0202369	4.13%
Na 330.237†	49446.7	45.8589	mg/L	2.31275	45.8589	mg/L	2.31275	5.04%
Ni 231.604†	29215.9	0.502644	mg/L	0.0274825	0.502644	mg/L	0.0274825	5.47%
Pb 220.353†	6663.5	0.493844	mg/L	0.0212215	0.493844	mg/L	0.0212215	4.30%
Sb 206.836†	892.8	0.483931	mg/L	0.0202257	0.483931	mg/L	0.0202257	4.18%
Se 196.026†	648.7	0.488326	mg/L	0.0190976	0.488326	mg/L	0.0190976	3.91%
Sn 189.927†	1751.9	0.493241	mg/L	0.0221768	0.493241	mg/L	0.0221768	4.50%
Ti 334.940†	462854.9	0.497654	mg/L	0.0256404	0.497654	mg/L	0.0256404	5.15%
Tl 190.801†	589.8	0.515647	mg/L	0.0221575	0.515647	mg/L	0.0221575	4.30%
V 290.880†	86969.4	0.495516	mg/L	0.0280508	0.495516	mg/L	0.0280508	5.66%
Zn 206.200†	22155.8	0.502071	mg/L	0.0284765	0.502071	mg/L	0.0284765	5.67%

Sequence No.: 13
Sample ID: LCSW MR 3328
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 2/15/2011 5:58:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3328

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1328822.6	98.0	%	0.61				0.62%
Y 371.029	553027.3	96.4	%	0.56				0.58%
Ag 328.068†	9986.0	0.0919052	mg/L	0.00191563	0.0919052	mg/L	0.00191563	2.08%
Al 308.215†	158272.9	4.66916	mg/L	0.113598	4.66916	mg/L	0.113598	2.43%
As 188.979†	635.6	0.464002	mg/L	0.0066660	0.464002	mg/L	0.0066660	1.44%
Ba 233.527†	88751.4	0.478165	mg/L	0.0084634	0.478165	mg/L	0.0084634	1.77%
Be 313.107†	1660912.9	0.470914	mg/L	0.0053088	0.470914	mg/L	0.0053088	1.13%
Ca 315.887†	5796235.0	47.8519	mg/L	0.56656	47.8519	mg/L	0.56656	1.18%
Cd 228.802†	24801.5	0.472659	mg/L	0.0089555	0.472659	mg/L	0.0089555	1.89%
Co 228.616†	20670.9	0.480875	mg/L	0.0081795	0.480875	mg/L	0.0081795	1.70%
Cr 267.716†	45039.2	0.476992	mg/L	0.0089480	0.476992	mg/L	0.0089480	1.88%
Cu 327.393†	73985.7	0.475639	mg/L	0.0089717	0.475639	mg/L	0.0089717	1.89%
Fe 273.955†	63372.5	4.75778	mg/L	0.093851	4.75778	mg/L	0.093851	1.97%
K 404.721†	1929.7	43.7161	mg/L	0.40235	43.7161	mg/L	0.40235	0.92%
Mg 279.077†	941299.1	47.5591	mg/L	0.57498	47.5591	mg/L	0.57498	1.21%
Mn 257.610†	230002.5	0.475762	mg/L	0.0089609	0.475762	mg/L	0.0089609	1.88%
Mo 202.031†	6933.4	0.467145	mg/L	0.0041140	0.467145	mg/L	0.0041140	0.88%
Na 330.237†	47563.6	44.1462	mg/L	0.81238	44.1462	mg/L	0.81238	1.84%
Ni 231.604†	27987.2	0.481494	mg/L	0.0090998	0.481494	mg/L	0.0090998	1.89%
Pb 220.353†	6416.0	0.475481	mg/L	0.0043452	0.475481	mg/L	0.0043452	0.91%
Sb 206.836†	850.7	0.461037	mg/L	0.0027660	0.461037	mg/L	0.0027660	0.60%
Se 196.026†	616.7	0.464356	mg/L	0.0030773	0.464356	mg/L	0.0030773	0.66%
Sn 189.927†	1686.3	0.474688	mg/L	0.0061237	0.474688	mg/L	0.0061237	1.29%
Ti 334.940†	437337.8	0.470189	mg/L	0.0055846	0.470189	mg/L	0.0055846	1.19%
Tl 190.801†	567.5	0.496129	mg/L	0.0057797	0.496129	mg/L	0.0057797	1.16%
V 290.880†	83083.1	0.473435	mg/L	0.0092080	0.473435	mg/L	0.0092080	1.94%
Zn 206.200†	21094.2	0.477986	mg/L	0.0088986	0.477986	mg/L	0.0088986	1.86%

Sequence No.: 14
Sample ID: 57098-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 2/15/2011 6:02:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1355132.9	99.9	%	2.23				2.23%
Y 371.029	570447.1	99.5	%	2.21				2.22%
Ag 328.068†	71.9	0.0009674	mg/L	0.00038758	0.0009674	mg/L	0.00038758	40.06%
Al 308.215†	12865.0	0.412255	mg/L	0.0038792	0.412255	mg/L	0.0038792	0.94%
As 188.979†	-1.5	0.0016828	mg/L	0.00090417	0.0016828	mg/L	0.00090417	53.73%
Ba 233.527†	3357.7	0.0184102	mg/L	0.00021942	0.0184102	mg/L	0.00021942	1.19%
Be 313.107†	143.8	0.0008886	mg/L	0.00004281	0.0008886	mg/L	0.00004281	4.82%
Ca 315.887†	1661138.8	13.6444	mg/L	0.10406	13.6444	mg/L	0.10406	0.76%
Cd 228.802†	18.6	0.0015594	mg/L	0.00002335	0.0015594	mg/L	0.00002335	1.50%
Co 228.616†	8.5	0.0010380	mg/L	0.00004976	0.0010380	mg/L	0.00004976	4.79%
Cr 267.716†	610.9	0.0071185	mg/L	0.00029452	0.0071185	mg/L	0.00029452	4.14%
Cu 327.393†	2532.4	0.0172614	mg/L	0.00052281	0.0172614	mg/L	0.00052281	3.03%
Fe 273.955†	1284.7	0.0981584	mg/L	0.00178968	0.0981584	mg/L	0.00178968	1.82%
K 404.721†	188.7	4.78436	mg/L	0.345639	4.78436	mg/L	0.345639	7.22%
Mg 279.077†	3178.4	0.0108677	mg/L	0.02204477	0.0108677	mg/L	0.02204477	202.85%
Mn 257.610†	4879.8	0.0105358	mg/L	0.00013346	0.0105358	mg/L	0.00013346	1.27%
Mo 202.031†	56.3	0.0024653	mg/L	0.00020680	0.0024653	mg/L	0.00020680	8.39%
Na 330.237†	6039.8	6.37888	mg/L	0.119601	6.37888	mg/L	0.119601	1.87%
Ni 231.604†	32.9	0.0003304	mg/L	0.00022328	0.0003304	mg/L	0.00022328	67.57%
Pb 220.353†	205.2	0.0151047	mg/L	0.00027727	0.0151047	mg/L	0.00027727	1.84%
Sb 206.836†	4.5	0.0030594	mg/L	0.00068189	0.0030594	mg/L	0.00068189	22.29%
Se 196.026†	-6.3	0.0010187	mg/L	0.00125732	0.0010187	mg/L	0.00125732	123.43%
Sn 189.927†	21.6	0.0050423	mg/L	0.00008800	0.0050423	mg/L	0.00008800	1.75%
Ti 334.940†	2823.6	0.0025098	mg/L	0.00009130	0.0025098	mg/L	0.00009130	3.64%
Tl 190.801†	1.0	0.0000640	mg/L	0.00030590	0.0000640	mg/L	0.00030590	478.31%
V 290.880†	304.3	0.0027260	mg/L	0.00052335	0.0027260	mg/L	0.00052335	19.20%
Zn 206.200†	871.9	0.0191778	mg/L	0.00067540	0.0191778	mg/L	0.00067540	3.52%

Sequence No.: 15
Sample ID: 57098-001 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 2/15/2011 6:06:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1373837.5	101	%	1.1				1.08%
Y 371.029	577930.7	101	%	1.1				1.05%
Ag 328.068†	58.2	0.0008380	mg/L	0.00026944	0.0008380	mg/L	0.00026944	32.15%
Al 308.215†	11546.5	0.373562	mg/L	0.0077200	0.373562	mg/L	0.0077200	2.07%
As 188.979†	0.0	0.0028035	mg/L	0.00233742	0.0028035	mg/L	0.00233742	83.38%
Ba 233.527†	3383.5	0.0185487	mg/L	0.00011745	0.0185487	mg/L	0.00011745	0.63%
Be 313.107†	60.2	0.0008650	mg/L	0.00000125	0.0008650	mg/L	0.00000125	0.14%
Ca 315.887†	1650523.9	13.5566	mg/L	0.14443	13.5566	mg/L	0.14443	1.07%
Cd 228.802†	-3.9	0.0011315	mg/L	0.00009709	0.0011315	mg/L	0.00009709	8.58%
Co 228.616†	7.8	0.0010192	mg/L	0.00001921	0.0010192	mg/L	0.00001921	1.88%
Cr 267.716†	610.9	0.0071235	mg/L	0.00027075	0.0071235	mg/L	0.00027075	3.80%
Cu 327.393†	372.8	0.0033853	mg/L	0.00035663	0.0033853	mg/L	0.00035663	10.53%
Fe 273.955†	1224.6	0.0936572	mg/L	0.00203663	0.0936572	mg/L	0.00203663	2.17%
K 404.721†	164.4	4.24127	mg/L	0.571743	4.24127	mg/L	0.571743	13.48%
Mg 279.077†	2769.1	-0.0098773	mg/L	0.00058263	-0.0098773	mg/L	0.00058263	5.90%
Mn 257.610†	8098.7	0.0172140	mg/L	0.00020826	0.0172140	mg/L	0.00020826	1.21%
Mo 202.031†	53.8	0.0022919	mg/L	0.00026886	0.0022919	mg/L	0.00026886	11.73%
Na 330.237†	5994.1	6.33730	mg/L	0.032794	6.33730	mg/L	0.032794	0.52%
Ni 231.604†	18.4	0.0000806	mg/L	0.00005396	0.0000806	mg/L	0.00005396	66.94%
Pb 220.353†	178.3	0.0131088	mg/L	0.00107169	0.0131088	mg/L	0.00107169	8.18%
Sb 206.836†	-0.8	0.0002275	mg/L	0.00120494	0.0002275	mg/L	0.00120494	529.73%
Se 196.026†	-12.7	-0.0037299	mg/L	0.00362385	-0.0037299	mg/L	0.00362385	97.16%
Sn 189.927†	-1.7	-0.0015202	mg/L	0.00046214	-0.0015202	mg/L	0.00046214	30.40%
Ti 334.940†	2670.5	0.0023450	mg/L	0.00016834	0.0023450	mg/L	0.00016834	7.18%
Tl 190.801†	-1.5	-0.0020914	mg/L	0.00170002	-0.0020914	mg/L	0.00170002	81.29%
V 290.880†	253.6	0.0024374	mg/L	0.00012038	0.0024374	mg/L	0.00012038	4.94%
Zn 206.200†	218.2	0.0042867	mg/L	0.00019526	0.0042867	mg/L	0.00019526	4.56%

Sequence No.: 16
Sample ID: 57098-001 SPLP SPIKE
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 2/15/2011 6:09:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001 SPLP SPIKE

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1331978.4	98.2	%	0.11				0.11%
Y 371.029	554557.4	96.7	%	0.10				0.10%
Ag 328.068†	9636.6	0.0886887	mg/L	0.00028539	0.0886887	mg/L	0.00028539	0.32%
Al 308.215†	163953.4	4.83615	mg/L	0.011457	4.83615	mg/L	0.011457	0.24%
As 188.979†	621.7	0.453749	mg/L	0.0003611	0.453749	mg/L	0.0003611	0.08%
Ba 233.527†	890906.4	4.79740	mg/L	0.047676	4.79740	mg/L	0.047676	0.99%
Be 313.107†	1613084.9	0.457374	mg/L	0.0048009	0.457374	mg/L	0.0048009	1.05%
Ca 315.887†	7333821.3	60.5716	mg/L	0.61333	60.5716	mg/L	0.61333	1.01%
Cd 228.802†	24138.8	0.460060	mg/L	0.0009923	0.460060	mg/L	0.0009923	0.22%
Co 228.616†	20198.9	0.469904	mg/L	0.0001036	0.469904	mg/L	0.0001036	0.02%
Cr 267.716†	44611.1	0.472436	mg/L	0.0008048	0.472436	mg/L	0.0008048	0.17%
Cu 327.393†	72056.3	0.463053	mg/L	0.0010244	0.463053	mg/L	0.0010244	0.22%
Fe 273.955†	62637.5	4.70240	mg/L	0.001593	4.70240	mg/L	0.001593	0.03%
K 404.721†	1928.3	43.6855	mg/L	1.17114	43.6855	mg/L	1.17114	2.68%
Mg 279.077†	918256.2	46.3912	mg/L	0.45437	46.3912	mg/L	0.45437	0.98%
Mn 257.610†	231621.9	0.479169	mg/L	0.0001735	0.479169	mg/L	0.0001735	0.04%
Mo 202.031†	6761.0	0.455167	mg/L	0.0001726	0.455167	mg/L	0.0001726	0.04%
Na 330.237†	53618.7	49.6535	mg/L	0.10443	49.6535	mg/L	0.10443	0.21%
Ni 231.604†	27264.4	0.469052	mg/L	0.0004414	0.469052	mg/L	0.0004414	0.09%
Pb 220.353†	64168.6	4.74927	mg/L	0.015585	4.74927	mg/L	0.015585	0.33%
Sb 206.836†	839.3	0.454873	mg/L	0.0039633	0.454873	mg/L	0.0039633	0.87%
Se 196.026†	597.2	0.450097	mg/L	0.0021843	0.450097	mg/L	0.0021843	0.49%
Sn 189.927†	1650.2	0.464785	mg/L	0.0003819	0.464785	mg/L	0.0003819	0.08%
Ti 334.940†	430701.7	0.463046	mg/L	0.0055009	0.463046	mg/L	0.0055009	1.19%
Tl 190.801†	544.7	0.476252	mg/L	0.0028249	0.476252	mg/L	0.0028249	0.59%
V 290.880†	81499.7	0.464444	mg/L	0.0001038	0.464444	mg/L	0.0001038	0.02%
Zn 206.200†	20675.3	0.468556	mg/L	0.0013607	0.468556	mg/L	0.0013607	0.29%

Sequence No.: 17
Sample ID: 57098-001 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 2/15/2011 6:13:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001 PS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1313470.7	96.9	%	0.00				0.00%
Y 371.029	548116.0	95.6	%	0.04				0.05%
Ag 328.068†	9362.6	0.0861427	mg/L	0.00025858	0.0861427	mg/L	0.00025858	0.30%
Al 308.215†	167884.3	4.95115	mg/L	0.005489	4.95115	mg/L	0.005489	0.11%
As 188.979†	634.5	0.463000	mg/L	0.0059780	0.463000	mg/L	0.0059780	1.29%
Ba 233.527†	924406.8	4.97778	mg/L	0.031738	4.97778	mg/L	0.031738	0.64%
Be 313.107†	1655947.0	0.469504	mg/L	0.0035172	0.469504	mg/L	0.0035172	0.75%
Ca 315.887†	7320825.3	60.4641	mg/L	0.86642	60.4641	mg/L	0.86642	1.43%
Cd 228.802†	24674.7	0.470246	mg/L	0.0000310	0.470246	mg/L	0.0000310	0.01%
Co 228.616†	20636.5	0.480081	mg/L	0.0020984	0.480081	mg/L	0.0020984	0.44%
Cr 267.716†	45533.6	0.482217	mg/L	0.0001887	0.482217	mg/L	0.0001887	0.04%
Cu 327.393†	75912.4	0.487826	mg/L	0.0007892	0.487826	mg/L	0.0007892	0.16%
Fe 273.955†	63932.4	4.79953	mg/L	0.007653	4.79953	mg/L	0.007653	0.16%
K 404.721†	1994.7	45.1709	mg/L	1.16854	45.1709	mg/L	1.16854	2.59%
Mg 279.077†	935080.2	47.2440	mg/L	0.28169	47.2440	mg/L	0.28169	0.60%
Mn 257.610†	233121.9	0.482252	mg/L	0.0008857	0.482252	mg/L	0.0008857	0.18%
Mo 202.031†	6998.0	0.471211	mg/L	0.0027510	0.471211	mg/L	0.0027510	0.58%
Na 330.237†	54200.7	50.1828	mg/L	0.12530	50.1828	mg/L	0.12530	0.25%
Ni 231.604†	27860.9	0.479323	mg/L	0.0011947	0.479323	mg/L	0.0011947	0.25%
Pb 220.353†	64692.6	4.78808	mg/L	0.015303	4.78808	mg/L	0.015303	0.32%
Sb 206.836†	871.9	0.472563	mg/L	0.0025177	0.472563	mg/L	0.0025177	0.53%
Se 196.026†	613.4	0.462096	mg/L	0.0021152	0.462096	mg/L	0.0021152	0.46%
Sn 189.927†	1709.0	0.481339	mg/L	0.0012424	0.481339	mg/L	0.0012424	0.26%
Ti 334.940†	442696.4	0.475957	mg/L	0.0035964	0.475957	mg/L	0.0035964	0.76%
Tl 190.801†	571.3	0.499518	mg/L	0.0002513	0.499518	mg/L	0.0002513	0.05%
V 290.880†	83424.9	0.475407	mg/L	0.0006986	0.475407	mg/L	0.0006986	0.15%
Zn 206.200†	21670.3	0.491183	mg/L	0.0020822	0.491183	mg/L	0.0020822	0.42%

Sequence No.: 18
Sample ID: CCV V-107291
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 2/15/2011 6:17:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-107291

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1315243.2	97.0	%	0.86				0.88%
Y 371.029	547362.7	95.4	%	0.81				0.85%
Ag 328.068†	10446.2	0.0961206	mg/L	0.00093808	0.0961206	mg/L	0.00093808	0.98%
QC value within limits for Ag 328.068 Recovery = 96.12%								
Al 308.215†	165875.5	4.89169	mg/L	0.059992	4.89169	mg/L	0.059992	1.23%
QC value within limits for Al 308.215 Recovery = 97.83%								
As 188.979†	678.1	0.494816	mg/L	0.0104403	0.494816	mg/L	0.0104403	2.11%
QC value within limits for As 188.979 Recovery = 98.96%								
Ba 233.527†	94238.4	0.507708	mg/L	0.0050020	0.507708	mg/L	0.0050020	0.99%
QC value within limits for Ba 233.527 Recovery = 101.54%								
Be 313.107†	1758823.1	0.498625	mg/L	0.0061543	0.498625	mg/L	0.0061543	1.23%
QC value within limits for Be 313.107 Recovery = 99.72%								
Ca 315.887†	6078234.4	50.1848	mg/L	0.57768	50.1848	mg/L	0.57768	1.15%
QC value within limits for Ca 315.887 Recovery = 100.37%								
Cd 228.802†	26334.6	0.501804	mg/L	0.0062573	0.501804	mg/L	0.0062573	1.25%
QC value within limits for Cd 228.802 Recovery = 100.36%								
Co 228.616†	21856.8	0.508413	mg/L	0.0061615	0.508413	mg/L	0.0061615	1.21%
QC value within limits for Co 228.616 Recovery = 101.68%								
Cr 267.716†	47698.4	0.505103	mg/L	0.0059751	0.505103	mg/L	0.0059751	1.18%
QC value within limits for Cr 267.716 Recovery = 101.02%								
Cu 327.393†	77640.7	0.499076	mg/L	0.0054427	0.499076	mg/L	0.0054427	1.09%
QC value within limits for Cu 327.393 Recovery = 99.82%								
Fe 273.955†	66775.5	5.01326	mg/L	0.049533	5.01326	mg/L	0.049533	0.99%
QC value within limits for Fe 273.955 Recovery = 100.27%								
K 404.721†	2036.6	46.1080	mg/L	1.37572	46.1080	mg/L	1.37572	2.98%
QC value within limits for K 404.721 Recovery = 92.22%								
Mg 279.077†	997119.9	50.3883	mg/L	0.58349	50.3883	mg/L	0.58349	1.16%
QC value within limits for Mg 279.077 Recovery = 100.78%								
Mn 257.610†	242009.0	0.500562	mg/L	0.0053319	0.500562	mg/L	0.0053319	1.07%
QC value within limits for Mn 257.610 Recovery = 100.11%								
Mo 202.031†	7317.7	0.493103	mg/L	0.0092029	0.493103	mg/L	0.0092029	1.87%
QC value within limits for Mo 202.031 Recovery = 98.62%								
Na 330.237†	50417.4	46.7418	mg/L	0.38719	46.7418	mg/L	0.38719	0.83%
QC value within limits for Na 330.237 Recovery = 93.48%								
Ni 231.604†	29743.9	0.511728	mg/L	0.0049803	0.511728	mg/L	0.0049803	0.97%
QC value within limits for Ni 231.604 Recovery = 102.35%								
Pb 220.353†	6864.7	0.508724	mg/L	0.0078327	0.508724	mg/L	0.0078327	1.54%
QC value within limits for Pb 220.353 Recovery = 101.74%								
Sb 206.836†	911.6	0.494013	mg/L	0.0111827	0.494013	mg/L	0.0111827	2.26%
QC value within limits for Sb 206.836 Recovery = 98.80%								
Se 196.026†	674.7	0.507447	mg/L	0.0066936	0.507447	mg/L	0.0066936	1.32%
QC value within limits for Se 196.026 Recovery = 101.49%								
Sn 189.927†	1789.6	0.503849	mg/L	0.0127435	0.503849	mg/L	0.0127435	2.53%
QC value within limits for Sn 189.927 Recovery = 100.77%								
Ti 334.940†	461298.8	0.495979	mg/L	0.0065185	0.495979	mg/L	0.0065185	1.31%
QC value within limits for Ti 334.940 Recovery = 99.20%								
Tl 190.801†	596.7	0.521644	mg/L	0.0086762	0.521644	mg/L	0.0086762	1.66%
QC value within limits for Tl 190.801 Recovery = 104.33%								
V 290.880†	88051.1	0.501686	mg/L	0.0060743	0.501686	mg/L	0.0060743	1.21%
QC value within limits for V 290.880 Recovery = 100.34%								
Zn 206.200†	22224.5	0.503626	mg/L	0.0052259	0.503626	mg/L	0.0052259	1.04%
QC value within limits for Zn 206.200 Recovery = 100.73%								

All analyte(s) passed QC.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 2/15/2011 6:21:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1380904.1	102	%	0.1				0.11%
Y 371.029	586029.8	102	%	0.1				0.10%
Ag 328.068†	21.7	0.0005092	mg/L	0.00067722	0.0005092	mg/L	0.00067722	133.01%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-341.2	0.0247226	mg/L	0.00144250	0.0247226	mg/L	0.00144250	5.83%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-4.7	-0.0005076	mg/L	0.00052447	-0.0005076	mg/L	0.00052447	103.32%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	30.0	0.0004929	mg/L	0.00000434	0.0004929	mg/L	0.00000434	0.88%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	81.2	0.0008720	mg/L	0.00001039	0.0008720	mg/L	0.00001039	1.19%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-590.6	-0.102184	mg/L	0.0009451	-0.102184	mg/L	0.0009451	0.92%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-8.0	0.0010561	mg/L	0.00015086	0.0010561	mg/L	0.00015086	14.29%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	1.6	0.0008695	mg/L	0.00005019	0.0008695	mg/L	0.00005019	5.77%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-22.3	0.0004361	mg/L	0.00000202	0.0004361	mg/L	0.00000202	0.46%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	196.6	0.0024606	mg/L	0.00093072	0.0024606	mg/L	0.00093072	37.83%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	14.9	0.0031594	mg/L	0.00145564	0.0031594	mg/L	0.00145564	46.07%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	64.2	2.00021	mg/L	1.509488	2.00021	mg/L	1.509488	75.47%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-32.7	-0.151910	mg/L	0.0000746	-0.151910	mg/L	0.0000746	0.05%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-37.7	0.0003363	mg/L	0.00000388	0.0003363	mg/L	0.00000388	1.15%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	13.0	-0.0001348	mg/L	0.00007966	-0.0001348	mg/L	0.00007966	59.07%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-49.6	0.840365	mg/L	0.0520971	0.840365	mg/L	0.0520971	6.20%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	-18.4	-0.0005542	mg/L	0.00022964	-0.0005542	mg/L	0.00022964	41.44%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	34.2	0.0024443	mg/L	0.00113779	0.0024443	mg/L	0.00113779	46.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-2.1	-0.0005209	mg/L	0.00098338	-0.0005209	mg/L	0.00098338	188.78%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-7.8	-0.0003531	mg/L	0.00025261	-0.0003531	mg/L	0.00025261	71.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	15.1	0.0029350	mg/L	0.00073470	0.0029350	mg/L	0.00073470	25.03%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-6.1	-0.0005358	mg/L	0.00002032	-0.0005358	mg/L	0.00002032	3.79%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.2	0.0010354	mg/L	0.00220026	0.0010354	mg/L	0.00220026	212.50%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-124.4	0.0002864	mg/L	0.00037651	0.0002864	mg/L	0.00037651	131.46%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-47.4	-0.0018267	mg/L	0.00009795	-0.0018267	mg/L	0.00009795	5.36%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: 57098-005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 2/15/2011 6:24:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-005

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1401812.6	103	%	0.4				0.40%
Y 371.029	589181.0	103	%	0.3				0.31%
Ag 328.068†	71.4	0.0009660	mg/L	0.00019230	0.0009660	mg/L	0.00019230	19.91%
Al 308.215†	4394.8	0.163714	mg/L	0.0006581	0.163714	mg/L	0.0006581	0.40%
As 188.979†	-3.3	0.0004140	mg/L	0.00315894	0.0004140	mg/L	0.00315894	762.97%
Ba 233.527†	1224.9	0.0069264	mg/L	0.00002518	0.0069264	mg/L	0.00002518	0.36%
Be 313.107†	-67.0	0.0008303	mg/L	0.00000306	0.0008303	mg/L	0.00000306	0.37%
Ca 315.887†	751884.1	6.12264	mg/L	0.105397	6.12264	mg/L	0.105397	1.72%
Cd 228.802†	-9.7	0.0010232	mg/L	0.00009643	0.0010232	mg/L	0.00009643	9.42%
Co 228.616†	-6.8	0.0006760	mg/L	0.00001499	0.0006760	mg/L	0.00001499	2.22%
Cr 267.716†	36.2	0.0010595	mg/L	0.00010176	0.0010595	mg/L	0.00010176	9.60%
Cu 327.393†	419.0	0.0037957	mg/L	0.00001233	0.0037957	mg/L	0.00001233	0.32%
Fe 273.955†	812.9	0.0628653	mg/L	0.00042028	0.0628653	mg/L	0.00042028	0.67%
K 404.721†	111.5	3.05793	mg/L	0.509230	3.05793	mg/L	0.509230	16.65%
Mg 279.077†	2145.6	-0.0415115	mg/L	0.00036037	-0.0415115	mg/L	0.00036037	0.87%
Mn 257.610†	2755.9	0.0061295	mg/L	0.00004366	0.0061295	mg/L	0.00004366	0.71%
Mo 202.031†	18.7	0.0001025	mg/L	0.00047110	0.0001025	mg/L	0.00047110	459.66%
Na 330.237†	813.5	1.62540	mg/L	0.025005	1.62540	mg/L	0.025005	1.54%
Ni 231.604†	-6.0	-0.0003393	mg/L	0.00012536	-0.0003393	mg/L	0.00012536	36.94%
Pb 220.353†	24.2	0.0016993	mg/L	0.00068379	0.0016993	mg/L	0.00068379	40.24%
Sb 206.836†	-2.0	-0.0004566	mg/L	0.00096175	-0.0004566	mg/L	0.00096175	210.64%
Se 196.026†	-3.4	0.0030073	mg/L	0.00489811	0.0030073	mg/L	0.00489811	162.87%
Sn 189.927†	4.2	-0.0000043	mg/L	0.00011664	-0.0000043	mg/L	0.00011664	>999.9%
Ti 334.940†	404.9	-0.0000935	mg/L	0.00004580	-0.0000935	mg/L	0.00004580	49.00%
Tl 190.801†	4.1	0.0027587	mg/L	0.00323772	0.0027587	mg/L	0.00323772	117.36%
V 290.880†	-97.9	0.0004299	mg/L	0.00013829	0.0004299	mg/L	0.00013829	32.17%
Zn 206.200†	287.7	0.0058350	mg/L	0.00006478	0.0058350	mg/L	0.00006478	1.11%

Sequence No.: 21
Sample ID: 57098-005 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 2/15/2011 6:28:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-005 SD

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1378445.4	102	%	0.3				0.28%
Y 371.029	581031.3	101	%	0.3				0.31%
Ag 328.068†	50.7	0.0007775	mg/L	0.00029417	0.0007775	mg/L	0.00029417	37.83%
Al 308.215†	767.8	0.0572823	mg/L	0.00128015	0.0572823	mg/L	0.00128015	2.23%
As 188.979†	-2.3	0.0012232	mg/L	0.00068937	0.0012232	mg/L	0.00068937	56.36%
Ba 233.527†	247.8	0.0016653	mg/L	0.00001495	0.0016653	mg/L	0.00001495	0.90%
Be 313.107†	43.1	0.0008614	mg/L	0.00002427	0.0008614	mg/L	0.00002427	2.82%
Ca 315.887†	145805.3	1.10887	mg/L	0.022704	1.10887	mg/L	0.022704	2.05%
Cd 228.802†	-12.3	0.0009742	mg/L	0.00009166	0.0009742	mg/L	0.00009166	9.41%
Co 228.616†	10.5	0.0010761	mg/L	0.00011940	0.0010761	mg/L	0.00011940	11.10%
Cr 267.716†	-5.5	0.0006120	mg/L	0.00004674	0.0006120	mg/L	0.00004674	7.64%
Cu 327.393†	247.4	0.0027689	mg/L	0.00020887	0.0027689	mg/L	0.00020887	7.54%
Fe 273.955†	186.6	0.0160026	mg/L	0.00240023	0.0160026	mg/L	0.00240023	15.00%
K 404.721†	46.6	1.60721	mg/L	3.218920	1.60721	mg/L	3.218920	200.28%
Mg 279.077†	434.1	-0.128262	mg/L	0.0039765	-0.128262	mg/L	0.0039765	3.10%
Mn 257.610†	442.0	0.0013308	mg/L	0.00004772	0.0013308	mg/L	0.00004772	3.59%
Mo 202.031†	6.6	-0.0005957	mg/L	0.00010016	-0.0005957	mg/L	0.00010016	16.81%
Na 330.237†	77.3	0.955807	mg/L	0.0275357	0.955807	mg/L	0.0275357	2.88%
Ni 231.604†	1.7	-0.0002084	mg/L	0.00014604	-0.0002084	mg/L	0.00014604	70.07%
Pb 220.353†	22.5	0.0015730	mg/L	0.00125608	0.0015730	mg/L	0.00125608	79.85%
Sb 206.836†	4.6	0.0031373	mg/L	0.00182181	0.0031373	mg/L	0.00182181	58.07%
Se 196.026†	-6.6	0.0005472	mg/L	0.00074394	0.0005472	mg/L	0.00074394	135.95%
Sn 189.927†	2.7	-0.0005460	mg/L	0.00021546	-0.0005460	mg/L	0.00021546	39.46%
Ti 334.940†	27.3	-0.0004999	mg/L	0.00002264	-0.0004999	mg/L	0.00002264	4.53%
Tl 190.801†	1.8	0.0007266	mg/L	0.00118872	0.0007266	mg/L	0.00118872	163.61%
V 290.880†	-73.0	0.0005781	mg/L	0.00039142	0.0005781	mg/L	0.00039142	67.71%
Zn 206.200†	36.7	0.0000944	mg/L	0.00000598	0.0000944	mg/L	0.00000598	6.33%

Sequence No.: 22
Sample ID: 57100-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 2/15/2011 6:31:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-001

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1370736.0	101	%	0.3				0.34%
Y 371.029	576602.0	101	%	0.4				0.35%
Ag 328.068†	126.3	0.0014715	mg/L	0.00033141	0.0014715	mg/L	0.00033141	22.52%
Al 308.215†	18582.0	0.580064	mg/L	0.0041414	0.580064	mg/L	0.0041414	0.71%
As 188.979†	-2.2	0.0011054	mg/L	0.00122440	0.0011054	mg/L	0.00122440	110.77%
Ba 233.527†	4178.1	0.0228279	mg/L	0.00001056	0.0228279	mg/L	0.00001056	0.05%
Be 313.107†	-27.7	0.0008407	mg/L	0.00000757	0.0008407	mg/L	0.00000757	0.90%
Ca 315.887†	2013931.2	16.5629	mg/L	0.22410	16.5629	mg/L	0.22410	1.35%
Cd 228.802†	0.4	0.0012110	mg/L	0.00006830	0.0012110	mg/L	0.00006830	5.64%
Co 228.616†	6.7	0.0010008	mg/L	0.00009095	0.0010008	mg/L	0.00009095	9.09%
Cr 267.716†	362.1	0.0044930	mg/L	0.00009895	0.0044930	mg/L	0.00009895	2.20%
Cu 327.393†	252.7	0.0025690	mg/L	0.00093013	0.0025690	mg/L	0.00093013	36.21%
Fe 273.955†	623.2	0.0486658	mg/L	0.00116328	0.0486658	mg/L	0.00116328	2.39%
K 404.721†	208.4	5.22462	mg/L	1.793358	5.22462	mg/L	1.793358	34.33%
Mg 279.077†	1339.9	-0.0823160	mg/L	0.00001556	-0.0823160	mg/L	0.00001556	0.02%
Mn 257.610†	2103.4	0.0047778	mg/L	0.00003306	0.0047778	mg/L	0.00003306	0.69%
Mo 202.031†	44.7	0.0016062	mg/L	0.00009729	0.0016062	mg/L	0.00009729	6.06%
Na 330.237†	7554.4	7.75647	mg/L	0.056569	7.75647	mg/L	0.056569	0.73%
Ni 231.604†	28.0	0.0002467	mg/L	0.00029471	0.0002467	mg/L	0.00029471	119.48%
Pb 220.353†	59.7	0.0043572	mg/L	0.00112411	0.0043572	mg/L	0.00112411	25.80%
Sb 206.836†	0.7	0.0010084	mg/L	0.00185340	0.0010084	mg/L	0.00185340	183.79%
Se 196.026†	-7.2	0.0003486	mg/L	0.00604655	0.0003486	mg/L	0.00604655	>999.9%
Sn 189.927†	-7.2	-0.0030062	mg/L	0.00004526	-0.0030062	mg/L	0.00004526	1.51%
Ti 334.940†	1308.8	0.0008794	mg/L	0.00001874	0.0008794	mg/L	0.00001874	2.13%
Tl 190.801†	1.2	0.0002367	mg/L	0.00104074	0.0002367	mg/L	0.00104074	439.67%
V 290.880†	167.2	0.0019486	mg/L	0.00003098	0.0019486	mg/L	0.00003098	1.59%
Zn 206.200†	239.8	0.0047981	mg/L	0.00008018	0.0047981	mg/L	0.00008018	1.67%

Sequence No.: 23
Sample ID: 57100-006
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 2/15/2011 6:35:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-006

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1394574.9	103	%	0.4				0.44%
Y 371.029	585737.7	102	%	0.5				0.44%
Ag 328.068†	45.9	0.0007309	mg/L	0.00067161	0.0007309	mg/L	0.00067161	91.89%
Al 308.215†	8562.5	0.286033	mg/L	0.0048568	0.286033	mg/L	0.0048568	1.70%
As 188.979†	-0.1	0.0027574	mg/L	0.00146648	0.0027574	mg/L	0.00146648	53.18%
Ba 233.527†	1752.0	0.0097646	mg/L	0.00003612	0.0097646	mg/L	0.00003612	0.37%
Be 313.107†	30.7	0.0008578	mg/L	0.00001693	0.0008578	mg/L	0.00001693	1.97%
Ca 315.887†	1174784.5	9.62108	mg/L	0.151716	9.62108	mg/L	0.151716	1.58%
Cd 228.802†	-20.4	0.0008193	mg/L	0.00029635	0.0008193	mg/L	0.00029635	36.17%
Co 228.616†	-0.9	0.0008159	mg/L	0.00011993	0.0008159	mg/L	0.00011993	14.70%
Cr 267.716†	91.0	0.0016357	mg/L	0.00002235	0.0016357	mg/L	0.00002235	1.37%
Cu 327.393†	270.5	0.0027885	mg/L	0.00036621	0.0027885	mg/L	0.00036621	13.13%
Fe 273.955†	539.0	0.0423710	mg/L	0.00162935	0.0423710	mg/L	0.00162935	3.85%
K 404.721†	12.4	0.841288	mg/L	2.4004611	0.841288	mg/L	2.4004611	285.33%
Mg 279.077†	1361.4	-0.0812503	mg/L	0.00010812	-0.0812503	mg/L	0.00010812	0.13%
Mn 257.610†	2624.6	0.0058580	mg/L	0.00004370	0.0058580	mg/L	0.00004370	0.75%
Mo 202.031†	20.7	0.0001498	mg/L	0.00025537	0.0001498	mg/L	0.00025537	170.51%
Na 330.237†	1135.4	1.91815	mg/L	0.031194	1.91815	mg/L	0.031194	1.63%
Ni 231.604†	-5.6	-0.0003331	mg/L	0.00002738	-0.0003331	mg/L	0.00002738	8.22%
Pb 220.353†	20.5	0.0014303	mg/L	0.00020201	0.0014303	mg/L	0.00020201	14.12%
Sb 206.836†	-2.6	-0.0007570	mg/L	0.00159061	-0.0007570	mg/L	0.00159061	210.13%
Se 196.026†	-9.5	-0.0014302	mg/L	0.00402245	-0.0014302	mg/L	0.00402245	281.25%
Sn 189.927†	1.7	-0.0006607	mg/L	0.00082933	-0.0006607	mg/L	0.00082933	125.53%
Ti 334.940†	441.4	-0.0000541	mg/L	0.00015743	-0.0000541	mg/L	0.00015743	290.76%
Tl 190.801†	1.1	0.0001440	mg/L	0.00073415	0.0001440	mg/L	0.00073415	509.88%
V 290.880†	-13.3	0.0009165	mg/L	0.00021077	0.0009165	mg/L	0.00021077	23.00%
Zn 206.200†	346.7	0.0071998	mg/L	0.00014451	0.0071998	mg/L	0.00014451	2.01%

Sequence No.: 24
Sample ID: DI BLANK 02/11/2011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 2/15/2011 6:39:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: DI BLANK 02/11/2011

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1379132.0	102	%	0.9				0.89%
Y 371.029	583862.5	102	%	1.0				0.98%
Ag 328.068†	65.8	0.0009153	mg/L	0.00005133	0.0009153	mg/L	0.00005133	5.61%
Al 308.215†	83.1	0.0371851	mg/L	0.00393035	0.0371851	mg/L	0.00393035	10.57%
As 188.979†	-2.2	0.0013400	mg/L	0.00395801	0.0013400	mg/L	0.00395801	295.37%
Ba 233.527†	102.0	0.0008799	mg/L	0.00003639	0.0008799	mg/L	0.00003639	4.14%
Be 313.107†	28.8	0.0008574	mg/L	0.00000122	0.0008574	mg/L	0.00000122	0.14%
Ca 315.887†	34005.3	0.184010	mg/L	0.0056631	0.184010	mg/L	0.0056631	3.08%
Cd 228.802†	1.4	0.0012350	mg/L	0.00005637	0.0012350	mg/L	0.00005637	4.56%
Co 228.616†	5.4	0.0009554	mg/L	0.00003425	0.0009554	mg/L	0.00003425	3.58%
Cr 267.716†	46.9	0.0011675	mg/L	0.00001175	0.0011675	mg/L	0.00001175	1.01%
Cu 327.393†	2308.9	0.0160296	mg/L	0.00007511	0.0160296	mg/L	0.00007511	0.47%
Fe 273.955†	594.4	0.0464897	mg/L	0.00152698	0.0464897	mg/L	0.00152698	3.28%
K 404.721†	33.4	1.31061	mg/L	1.120740	1.31061	mg/L	1.120740	85.51%
Mg 279.077†	218.2	-0.139201	mg/L	0.0049531	-0.139201	mg/L	0.0049531	3.56%
Mn 257.610†	2426.1	0.0054489	mg/L	0.00004515	0.0054489	mg/L	0.00004515	0.83%
Mo 202.031†	8.2	-0.0004652	mg/L	0.00023441	-0.0004652	mg/L	0.00023441	50.39%
Na 330.237†	144.2	1.01666	mg/L	0.026760	1.01666	mg/L	0.026760	2.63%
Ni 231.604†	27.9	0.0002426	mg/L	0.00027193	0.0002426	mg/L	0.00027193	112.10%
Pb 220.353†	-2.4	-0.0002694	mg/L	0.00069136	-0.0002694	mg/L	0.00069136	256.65%
Sb 206.836†	-0.2	0.0005523	mg/L	0.00273256	0.0005523	mg/L	0.00273256	494.80%
Se 196.026†	-5.8	0.0011750	mg/L	0.00315141	0.0011750	mg/L	0.00315141	268.21%
Sn 189.927†	5.8	0.0003233	mg/L	0.00092997	0.0003233	mg/L	0.00092997	287.61%
Ti 334.940†	189.2	-0.0003257	mg/L	0.00002728	-0.0003257	mg/L	0.00002728	8.38%
Tl 190.801†	-0.7	-0.0014612	mg/L	0.00055367	-0.0014612	mg/L	0.00055367	37.89%
V 290.880†	-81.7	0.0005284	mg/L	0.00005760	0.0005284	mg/L	0.00005760	10.90%
Zn 206.200†	588.4	0.0126581	mg/L	0.00018707	0.0126581	mg/L	0.00018707	1.48%

Sequence No.: 25
Sample ID: DI BLANK 02/15/2011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 2/15/2011 6:42:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: DI BLANK 02/15/2011

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1391229.4	103	%	0.4				0.35%
Y 371.029	586473.7	102	%	0.4				0.35%
Ag 328.068†	3.0	0.0003355	mg/L	0.00013156	0.0003355	mg/L	0.00013156	39.21%
Al 308.215†	-23.4	0.0340722	mg/L	0.00845771	0.0340722	mg/L	0.00845771	24.82%
As 188.979†	-0.2	0.0027255	mg/L	0.00222258	0.0027255	mg/L	0.00222258	81.55%
Ba 233.527†	121.7	0.0009863	mg/L	0.00005447	0.0009863	mg/L	0.00005447	5.52%
Be 313.107†	42.3	0.0008611	mg/L	0.00001970	0.0008611	mg/L	0.00001970	2.29%
Ca 315.887†	29641.5	0.147910	mg/L	0.0074121	0.147910	mg/L	0.0074121	5.01%
Cd 228.802†	-9.6	0.0010265	mg/L	0.00000943	0.0010265	mg/L	0.00000943	0.92%
Co 228.616†	1.4	0.0008610	mg/L	0.00029047	0.0008610	mg/L	0.00029047	33.74%
Cr 267.716†	4.4	0.0007175	mg/L	0.00011144	0.0007175	mg/L	0.00011144	15.53%
Cu 327.393†	330.7	0.0033183	mg/L	0.00003848	0.0033183	mg/L	0.00003848	1.16%
Fe 273.955†	316.9	0.0257449	mg/L	0.00295490	0.0257449	mg/L	0.00295490	11.48%
K 404.721†	105.1	2.91406	mg/L	2.490254	2.91406	mg/L	2.490254	85.46%
Mg 279.077†	302.4	-0.134940	mg/L	0.0001075	-0.134940	mg/L	0.0001075	0.08%
Mn 257.610†	2778.5	0.0061783	mg/L	0.00006274	0.0061783	mg/L	0.00006274	1.02%
Mo 202.031†	-0.7	-0.0010643	mg/L	0.00023023	-0.0010643	mg/L	0.00023023	21.63%
Na 330.237†	97.1	0.973743	mg/L	0.0255094	0.973743	mg/L	0.0255094	2.62%
Ni 231.604†	-11.4	-0.0004334	mg/L	0.00009761	-0.0004334	mg/L	0.00009761	22.52%
Pb 220.353†	-0.8	-0.0001494	mg/L	0.00075492	-0.0001494	mg/L	0.00075492	505.35%
Sb 206.836†	-0.0	0.0006274	mg/L	0.00017045	0.0006274	mg/L	0.00017045	27.17%
Se 196.026†	-6.3	0.0007477	mg/L	0.00201484	0.0007477	mg/L	0.00201484	269.49%
Sn 189.927†	6.3	0.0004641	mg/L	0.00062531	0.0004641	mg/L	0.00062531	134.74%
Ti 334.940†	150.7	-0.0003670	mg/L	0.00002893	-0.0003670	mg/L	0.00002893	7.88%
Tl 190.801†	1.4	0.0003276	mg/L	0.00038740	0.0003276	mg/L	0.00038740	118.26%
V 290.880†	-167.5	0.0000382	mg/L	0.00003795	0.0000382	mg/L	0.00003795	99.29%
Zn 206.200†	199.1	0.0037892	mg/L	0.00015902	0.0037892	mg/L	0.00015902	4.20%

Sequence No.: 26
Sample ID: ICSA V-107288
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 2/15/2011 6:46:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107288

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1174382.3	86.6	%	0.18				0.21%
Y 371.029	486795.1	84.9	%	0.15				0.18%
Ag 328.068†	-441.7	-0.0003752	mg/L	0.00088175	-0.0003752	mg/L	0.00088175	235.01%
Al 308.215†	17243778.8	506.135	mg/L	4.1833	506.135	mg/L	4.1833	0.83%
QC value within limits for Al 308.215 Recovery = 101.23%								
As 188.979†	-23.0	0.0164293	mg/L	0.00296829	0.0164293	mg/L	0.00296829	18.07%
Ba 233.527†	810.2	0.0026752	mg/L	0.00045699	0.0026752	mg/L	0.00045699	17.08%
Be 313.107†	-2606.5	0.0016257	mg/L	0.00001256	0.0016257	mg/L	0.00001256	0.77%
Ca 315.887†	58495341.3	483.804	mg/L	3.1737	483.804	mg/L	3.1737	0.66%
QC value within limits for Ca 315.887 Recovery = 96.76%								
Cd 228.802†	242.5	0.0003864	mg/L	0.00013095	0.0003864	mg/L	0.00013095	33.89%
Co 228.616†	-179.7	-0.0008539	mg/L	0.00006700	-0.0008539	mg/L	0.00006700	7.85%
Cr 267.716†	-194.8	0.0053951	mg/L	0.00002471	0.0053951	mg/L	0.00002471	0.46%
Cu 327.393†	1257.3	0.0019735	mg/L	0.00023739	0.0019735	mg/L	0.00023739	12.03%
Fe 273.955†	2515955.7	188.296	mg/L	0.4147	188.296	mg/L	0.4147	0.22%
QC value within limits for Fe 273.955 Recovery = 94.15%								
K 404.721†	-174.3	-3.33331	mg/L	2.042195	-3.33331	mg/L	2.042195	61.27%
Mg 279.077†	9887217.4	500.900	mg/L	3.3908	500.900	mg/L	3.3908	0.68%
QC value within limits for Mg 279.077 Recovery = 100.18%								
Mn 257.610†	-5019.7	-0.0242719	mg/L	0.00002075	-0.0242719	mg/L	0.00002075	0.09%
Mo 202.031†	67.2	0.0040807	mg/L	0.00083853	0.0040807	mg/L	0.00083853	20.55%
Na 330.237†	-17.2	0.869855	mg/L	0.0201702	0.869855	mg/L	0.0201702	2.32%
Ni 231.604†	-3.0	-0.0002857	mg/L	0.00022630	-0.0002857	mg/L	0.00022630	79.22%
Pb 220.353†	-861.1	-0.0002565	mg/L	0.00133264	-0.0002565	mg/L	0.00133264	519.60%
Sb 206.836†	-31.6	0.0169547	mg/L	0.00356031	0.0169547	mg/L	0.00356031	21.00%
Se 196.026†	-49.3	-0.0102648	mg/L	0.01051493	-0.0102648	mg/L	0.01051493	102.44%
Sn 189.927†	4.7	0.0037428	mg/L	0.00315160	0.0037428	mg/L	0.00315160	84.21%
Ti 334.940†	1170.7	0.0007308	mg/L	0.00005919	0.0007308	mg/L	0.00005919	8.10%
Tl 190.801†	-18.8	-0.0015117	mg/L	0.00436745	-0.0015117	mg/L	0.00436745	288.91%
V 290.880†	5090.6	-0.0034154	mg/L	0.00010872	-0.0034154	mg/L	0.00010872	3.18%
Zn 206.200†	239.4	-0.0163331	mg/L	0.00026485	-0.0163331	mg/L	0.00026485	1.62%

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: ICSAB V-106425
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/15/2011 6:51:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-106425

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1168666.3	86.2	%	0.17				0.20%
Y 371.029	484420.7	84.5	%	0.17				0.21%
Ag 328.068†	110198.7	1.02091	mg/L	0.001348	1.02091	mg/L	0.001348	0.13%
QC value within limits for Ag 328.068 Recovery = 102.09%								
Al 308.215†	17094282.9	501.747	mg/L	2.1115	501.747	mg/L	2.1115	0.42%
QC value within limits for Al 308.215 Recovery = 100.35%								
As 188.979†	1339.8	1.00620	mg/L	0.007822	1.00620	mg/L	0.007822	0.78%
QC value within limits for As 188.979 Recovery = 100.62%								
Ba 233.527†	95492.0	0.512508	mg/L	0.0004130	0.512508	mg/L	0.0004130	0.08%
QC value within limits for Ba 233.527 Recovery = 102.50%								
Be 313.107†	1747905.3	0.497315	mg/L	0.0010278	0.497315	mg/L	0.0010278	0.21%
QC value within limits for Be 313.107 Recovery = 99.46%								
Ca 315.887†	57852768.9	478.488	mg/L	1.3626	478.488	mg/L	1.3626	0.28%
QC value within limits for Ca 315.887 Recovery = 95.70%								
Cd 228.802†	53924.4	1.02104	mg/L	0.001991	1.02104	mg/L	0.001991	0.20%
QC value within limits for Cd 228.802 Recovery = 102.10%								
Co 228.616†	19940.1	0.465894	mg/L	0.0006179	0.465894	mg/L	0.0006179	0.13%
QC value within limits for Co 228.616 Recovery = 93.18%								
Cr 267.716†	46241.5	0.493956	mg/L	0.0017417	0.493956	mg/L	0.0017417	0.35%
QC value within limits for Cr 267.716 Recovery = 98.79%								
Cu 327.393†	83257.8	0.528993	mg/L	0.0007247	0.528993	mg/L	0.0007247	0.14%
QC value within limits for Cu 327.393 Recovery = 105.80%								
Fe 273.955†	2496812.4	186.863	mg/L	0.3422	186.863	mg/L	0.3422	0.18%
QC value within limits for Fe 273.955 Recovery = 93.43%								
K 404.721†	-226.4	-4.49833	mg/L	1.521398	-4.49833	mg/L	1.521398	33.82%
Mg 279.077†	9780480.0	495.491	mg/L	1.6813	495.491	mg/L	1.6813	0.34%
QC value within limits for Mg 279.077 Recovery = 99.10%								
Mn 257.610†	232222.2	0.468066	mg/L	0.0008547	0.468066	mg/L	0.0008547	0.18%
QC value within limits for Mn 257.610 Recovery = 93.61%								
Mo 202.031†	70.0	0.0042878	mg/L	0.00009571	0.0042878	mg/L	0.00009571	2.23%
Na 330.237†	751.1	1.56865	mg/L	0.000461	1.56865	mg/L	0.000461	0.03%
Ni 231.604†	53746.9	0.924280	mg/L	0.0024105	0.924280	mg/L	0.0024105	0.26%
QC value within limits for Ni 231.604 Recovery = 92.43%								
Pb 220.353†	11825.1	0.938005	mg/L	0.0001132	0.938005	mg/L	0.0001132	0.01%
QC value within limits for Pb 220.353 Recovery = 93.80%								
Sb 206.836†	1837.6	1.02767	mg/L	0.004494	1.02767	mg/L	0.004494	0.44%
QC value within limits for Sb 206.836 Recovery = 102.77%								
Se 196.026†	1289.0	0.982339	mg/L	0.0013158	0.982339	mg/L	0.0013158	0.13%
QC value within limits for Se 196.026 Recovery = 98.23%								
Sn 189.927†	0.1	0.0023844	mg/L	0.00245370	0.0023844	mg/L	0.00245370	102.91%
Ti 334.940†	1435.8	0.0010161	mg/L	0.00006055	0.0010161	mg/L	0.00006055	5.96%
Tl 190.801†	1048.6	0.929900	mg/L	0.0008367	0.929900	mg/L	0.0008367	0.09%
QC value within limits for Tl 190.801 Recovery = 92.99%								
V 290.880†	90192.1	0.483189	mg/L	0.0006611	0.483189	mg/L	0.0006611	0.14%
QC value within limits for V 290.880 Recovery = 96.64%								
Zn 206.200†	42023.5	0.935785	mg/L	0.0018879	0.935785	mg/L	0.0018879	0.20%
QC value within limits for Zn 206.200 Recovery = 93.58%								

All analyte(s) passed QC.

Sequence No.: 28
Sample ID: CCV V-107291
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 2/15/2011 6:57:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-107291

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1304709.0	96.2	%	0.82				0.85%
Y 371.029	543224.8	94.7	%	0.77				0.81%
Ag 328.068†	10300.2	0.0947825	mg/L	0.00175681	0.0947825	mg/L	0.00175681	1.85%
QC value within limits for Ag 328.068 Recovery = 94.78%								
Al 308.215†	165690.6	4.88646	mg/L	0.090192	4.88646	mg/L	0.090192	1.85%
QC value within limits for Al 308.215 Recovery = 97.73%								
As 188.979†	670.5	0.489320	mg/L	0.0059856	0.489320	mg/L	0.0059856	1.22%
QC value within limits for As 188.979 Recovery = 97.86%								
Ba 233.527†	93649.1	0.504535	mg/L	0.0092887	0.504535	mg/L	0.0092887	1.84%
QC value within limits for Ba 233.527 Recovery = 100.91%								
Be 313.107†	1748651.9	0.495745	mg/L	0.0056498	0.495745	mg/L	0.0056498	1.14%
QC value within limits for Be 313.107 Recovery = 99.15%								
Ca 315.887†	6027496.7	49.7650	mg/L	0.51176	49.7650	mg/L	0.51176	1.03%
QC value within limits for Ca 315.887 Recovery = 99.53%								
Cd 228.802†	26222.6	0.499673	mg/L	0.0102390	0.499673	mg/L	0.0102390	2.05%
QC value within limits for Cd 228.802 Recovery = 99.93%								
Co 228.616†	21657.9	0.503773	mg/L	0.0098249	0.503773	mg/L	0.0098249	1.95%
QC value within limits for Co 228.616 Recovery = 100.75%								
Cr 267.716†	47430.8	0.502247	mg/L	0.0094182	0.502247	mg/L	0.0094182	1.88%
QC value within limits for Cr 267.716 Recovery = 100.45%								
Cu 327.393†	77374.7	0.497374	mg/L	0.0102896	0.497374	mg/L	0.0102896	2.07%
QC value within limits for Cu 327.393 Recovery = 99.47%								
Fe 273.955†	66262.2	4.97470	mg/L	0.081624	4.97470	mg/L	0.081624	1.64%
QC value within limits for Fe 273.955 Recovery = 99.49%								
K 404.721†	2039.9	46.1819	mg/L	1.04132	46.1819	mg/L	1.04132	2.25%
QC value within limits for K 404.721 Recovery = 92.36%								
Mg 279.077†	987314.4	49.8913	mg/L	0.50389	49.8913	mg/L	0.50389	1.01%
QC value within limits for Mg 279.077 Recovery = 99.78%								
Mn 257.610†	240418.9	0.497281	mg/L	0.0089704	0.497281	mg/L	0.0089704	1.80%
QC value within limits for Mn 257.610 Recovery = 99.46%								
Mo 202.031†	7196.6	0.484918	mg/L	0.0058068	0.484918	mg/L	0.0058068	1.20%
QC value within limits for Mo 202.031 Recovery = 96.98%								
Na 330.237†	50190.5	46.5354	mg/L	0.89809	46.5354	mg/L	0.89809	1.93%
QC value within limits for Na 330.237 Recovery = 93.07%								
Ni 231.604†	29507.7	0.507660	mg/L	0.0093679	0.507660	mg/L	0.0093679	1.85%
QC value within limits for Ni 231.604 Recovery = 101.53%								
Pb 220.353†	6734.2	0.499052	mg/L	0.0030425	0.499052	mg/L	0.0030425	0.61%
QC value within limits for Pb 220.353 Recovery = 99.81%								
Sb 206.836†	910.1	0.493186	mg/L	0.0014348	0.493186	mg/L	0.0014348	0.29%
QC value within limits for Sb 206.836 Recovery = 98.64%								
Se 196.026†	652.5	0.490998	mg/L	0.0006204	0.490998	mg/L	0.0006204	0.13%
QC value within limits for Se 196.026 Recovery = 98.20%								
Sn 189.927†	1752.0	0.493254	mg/L	0.0073515	0.493254	mg/L	0.0073515	1.49%
QC value within limits for Sn 189.927 Recovery = 98.65%								
Ti 334.940†	460394.7	0.495006	mg/L	0.0064404	0.495006	mg/L	0.0064404	1.30%
QC value within limits for Ti 334.940 Recovery = 99.00%								
Tl 190.801†	586.9	0.513153	mg/L	0.0020210	0.513153	mg/L	0.0020210	0.39%
QC value within limits for Tl 190.801 Recovery = 102.63%								
V 290.880†	87523.9	0.498698	mg/L	0.0094869	0.498698	mg/L	0.0094869	1.90%
QC value within limits for V 290.880 Recovery = 99.74%								
Zn 206.200†	21940.2	0.497170	mg/L	0.0070209	0.497170	mg/L	0.0070209	1.41%
QC value within limits for Zn 206.200 Recovery = 99.43%								

All analyte(s) passed QC.

Sequence No.: 29 Autosampler Location: 1
Sample ID: CCB Date Collected: 2/15/2011 7:00:58 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1364519.9	101	%	0.2				0.22%
Y 371.029	577119.8	101	%	0.2				0.18%
Ag 328.068†	41.3	0.0006908	mg/L	0.00059820	0.0006908	mg/L	0.00059820	86.59%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-138.0	0.0306954	mg/L	0.00021959	0.0306954	mg/L	0.00021959	0.72%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.1	0.0020864	mg/L	0.00312620	0.0020864	mg/L	0.00312620	149.84%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	28.9	0.0004870	mg/L	0.00003731	0.0004870	mg/L	0.00003731	7.66%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	179.9	0.0009001	mg/L	0.00000789	0.0009001	mg/L	0.00000789	0.88%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	2046.9	-0.0803660	mg/L	0.00023719	-0.0803660	mg/L	0.00023719	0.30%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-9.5	0.0010276	mg/L	0.00001397	0.0010276	mg/L	0.00001397	1.36%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-5.7	0.0006993	mg/L	0.00004060	0.0006993	mg/L	0.00004060	5.81%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-15.1	0.0005109	mg/L	0.00000917	0.0005109	mg/L	0.00000917	1.79%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	225.4	0.0026453	mg/L	0.00020291	0.0026453	mg/L	0.00020291	7.67%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	72.8	0.0074909	mg/L	0.00060611	0.0074909	mg/L	0.00060611	8.09%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	84.1	2.44411	mg/L	1.320156	2.44411	mg/L	1.320156	54.01%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	100.3	-0.145173	mg/L	0.0067408	-0.145173	mg/L	0.0067408	4.64%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	44.3	0.0005062	mg/L	0.00000085	0.0005062	mg/L	0.00000085	0.17%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.4	-0.0004432	mg/L	0.00000234	-0.0004432	mg/L	0.00000234	0.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-49.7	0.840280	mg/L	0.0126150	0.840280	mg/L	0.0126150	1.50%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	11.9	-0.0000327	mg/L	0.00022001	-0.0000327	mg/L	0.00022001	672.56%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.3	-0.0001063	mg/L	0.00000523	-0.0001063	mg/L	0.00000523	4.92%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.1	0.0006882	mg/L	0.00103570	0.0006882	mg/L	0.00103570	150.50%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.2	0.0045467	mg/L	0.00050532	0.0045467	mg/L	0.00050532	11.11%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	12.2	0.0021274	mg/L	0.00112857	0.0021274	mg/L	0.00112857	53.05%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-25.9	-0.0005571	mg/L	0.00000202	-0.0005571	mg/L	0.00000202	0.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	5.6	0.0040121	mg/L	0.00138394	0.0040121	mg/L	0.00138394	34.49%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-134.7	0.0002268	mg/L	0.00045117	0.0002268	mg/L	0.00045117	198.92%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	8.0	-0.0005635	mg/L	0.00002274	-0.0005635	mg/L	0.00002274	4.04%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Method: HGCV2 SPLP (7470A) Page 1 Date: 2/17/2011 10:35:21 AM

1st Rev analyst cjr 02/17/11 V-108610

Analysis Begun

Logged In Analyst: johns Technique: AA FIMS-MHS
Spectrometer Model: FIMS-100, S/N B050-9550 Autosampler Model: AS-90

Shawn 2/17/11

Sample Information File: C:\data-AA\johns\Sample Information\H12319SP.sif
Batch ID: H12319SP
Results Data Set: H12319SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A) Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 2/17/2011 10:29:56 AM
Analyst: Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0000	-0.0000	0.0000	10:30:53	Yes
2		[0.00]	0.0001	0.0005	0.0001	10:31:25	Yes
Mean:		[0.00]	0.0001				
SD:		0.00	0.0000				
%RSD:		0.00	43.76				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: .2 PPB Date Collected: 2/17/2011 10:31:27 AM
Analyst: Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0010	0.0044	0.0010	10:32:22	Yes
2		[0.2]	0.0009	0.0025	0.0009	10:32:55	Yes
Mean:		[0.2]	0.0009				
SD:		0.0	0.0001				
%RSD:		0.0	7.91				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00454 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: .5 PPB Date Collected: 2/17/2011 10:32:56 AM
Analyst: Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0021	0.0069	0.0022	10:33:51	Yes
2		[0.5]	0.0022	0.0082	0.0023	10:34:23	Yes
Mean:		[0.5]	0.0022				
SD:		0.0	0.0001				
%RSD:		0.0	2.52				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999702 Slope: 0.00429 Intercept: 0.00002

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1 PPB Date Collected: 2/17/2011 10:34:25 AM
Analyst: Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0046	0.0138	0.0046	10:35:20	Yes
2	[1]	0.0047	0.0148	0.0047	10:35:53	Yes
Mean:	[1]	0.0046				
SD:	0	0.0001				
%RSD:	0	1.48				

Standard number 3 applied. [1]
Correlation Coef.: 0.999289 Slope: 0.00460 Intercept: -0.00004

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 2/17/2011 10:35:54 AM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0084	0.0211	0.0084	10:36:49	Yes
2		[2]	0.0085	0.0221	0.0085	10:37:22	Yes
Mean:		[2]	0.0084				
SD:		0	0.0001				
%RSD:		0	0.86				

Standard number 4 applied. [2]
Correlation Coef.: 0.998714 Slope: 0.00423 Intercept: 0.00009

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 2/17/2011 10:37:23 AM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0225	0.0624	0.0226	10:38:19	Yes
2		[5]	0.0226	0.0629	0.0227	10:38:51	Yes
Mean:		[5]	0.0226				
SD:		0	0.0001				
%RSD:		0	0.35				

Standard number 5 applied. [5]
Correlation Coef.: 0.999548 Slope: 0.00449 Intercept: -0.00008

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 2/17/2011 10:38:52 AM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0436	0.1208	0.0437	10:39:47	Yes
2		[10]	0.0436	0.1203	0.0436	10:40:20	Yes
Mean:		[10]	0.0436				
SD:		0	0.0000				
%RSD:		0	0.03				

Standard number 6 applied. [10]
Correlation Coef.: 0.999793 Slope: 0.00438 Intercept: 0.00005

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 2/17/2011 10:40:21 AM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1071	0.2974	0.1071	10:41:16	Yes
2		[25]	0.1063	0.2948	0.1063	10:41:49	Yes
Mean:		[25]	0.1067				
SD:		0	0.0006				
%RSD:		0	0.52				

Standard number 7 applied. [25]
Correlation Coef.: 0.999909 Slope: 0.00427 Intercept: 0.00028

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.067	0.00	43.8
.2 PPB	0.0009	0.2	0.146	0.00	7.9
.5 PPB	0.0022	0.5	0.437	0.00	2.5
1 PPB	0.0046	1.0	1.015	0.00	1.5
2 PPB	0.0084	2.0	1.905	0.00	0.9
5 PPB	0.0226	5.0	5.215	0.00	0.4
10 PPB	0.0436	10.0	10.139	0.00	0.0
25 PPB	0.1067	25.0	24.910	0.00	0.5

Correlation Coef.: 0.999909 Slope: 0.00427 Intercept: 0.00028

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 2/17/2011 10:41:50 AM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.60	20.60	0.0883	0.2431	0.0883	10:42:49	Yes
2	20.67	20.67	0.0886	0.2444	0.0886	10:43:22	Yes
Mean:	20.64	20.64	0.0884				
SD:	0.051	0.051	0.0002				
%RSD:	0.247	0.247	0.25				

QC value within limits for Hg 253.7 Recovery = 103.19%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 2/17/2011 10:43:23 AM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	0.0001	0.0010	0.0001	10:44:19	Yes
2	-0.081	-0.081	-0.0001	-0.0015	0.0000	10:44:52	Yes
Mean:	-0.064	-0.064	0.0000				
SD:	0.024	0.024	0.0001				
%RSD:	37.75	37.75	776.46				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3328 (1) Date Collected: 2/17/2011 10:44:53 AM
Analyst: Data Type: Original

Replicate Data: MB 3328 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.053	-0.053	0.0001	-0.0002	0.0001	10:45:50	Yes
2	-0.036	-0.036	0.0001	0.0017	0.0002	10:46:23	Yes
Mean:	-0.044	-0.044	0.0001				
SD:	0.012	0.012	0.0001				
%RSD:	26.59	26.59	52.53				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3328 Date Collected: 2/17/2011 10:46:24 AM
Analyst: Data Type: Original

Replicate Data: LCSW 3328

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.10	10.10	0.0434	0.1192	0.0435	10:47:20	Yes
2	10.15	10.15	0.0436	0.1195	0.0437	10:47:52	Yes
Mean:	10.13	10.13	0.0435				

SD:	0.039	0.039	0.0002
%RSD:	0.388	0.388	0.39

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCSW MR 3328 Date Collected: 2/17/2011 10:47:53 AM
Analyst: Data Type: Original

Replicate Data: LCSW MR 3328

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.36	10.36	0.0445	0.1231	0.0446	10:48:49	Yes
2	10.49	10.49	0.0451	0.1237	0.0451	10:49:22	Yes
Mean:	10.42	10.42	0.0448				
SD:	0.090	0.090	0.0004				
%RSD:	0.862	0.862	0.86				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 57098-001 Date Collected: 2/17/2011 10:49:23 AM
Analyst: Data Type: Original

Replicate Data: 57098-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.066	-0.066	0.0000	-0.0006	0.0001	10:50:19	Yes
2	-0.047	-0.047	0.0001	0.0006	0.0001	10:50:51	Yes
Mean:	-0.056	-0.056	0.0000				
SD:	0.013	0.013	0.0001				
%RSD:	23.75	23.75	129.84				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 57098-001 MR Date Collected: 2/17/2011 10:50:53 AM
Analyst: Data Type: Original

Replicate Data: 57098-001 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.076	-0.076	-0.0000	-0.0017	0.0000	10:51:48	Yes
2	-0.069	-0.069	-0.0000	-0.0004	0.0000	10:52:21	Yes
Mean:	-0.073	-0.073	-0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	6.675	6.675	77.59				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 57098-001 SPLP SPK Date Collected: 2/17/2011 10:52:22 AM
Analyst: Data Type: Original

Replicate Data: 57098-001 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.335	9.335	0.0401	0.1129	0.0402	10:53:18	Yes
2	9.386	9.386	0.0404	0.1156	0.0404	10:53:50	Yes
Mean:	9.361	9.361	0.0403				
SD:	0.036	0.036	0.0002				
%RSD:	0.386	0.386	0.38				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 57098-005 Date Collected: 2/17/2011 10:53:51 AM
Analyst: Data Type: Original

Replicate Data: 57098-005

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.035	-0.035	0.0001	0.0007	0.0002	10:54:47	Yes
2	-0.031	-0.031	0.0002	0.0009	0.0002	10:55:20	Yes
Mean:	-0.033	-0.033	0.0001				
SD:	0.003	0.003	0.0000				

%RSD: 8.420 8.420 8.43

Sequence No.: 18 Autosampler Location: 18
Sample ID: 57100-001 Date Collected: 2/17/2011 10:55:21 AM
Analyst: Data Type: Original

Replicate Data: 57100-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.086	-0.086	-0.0001	-0.0025	-0.0000	10:56:17	Yes
2	-0.040	-0.040	0.0001	0.0015	0.0002	10:56:50	Yes
Mean:	-0.063	-0.063	0.0000				
SD:	0.033	0.033	0.0001				
%RSD:	52.12	52.12	817.97				

Sequence No.: 19 Autosampler Location: 19
Sample ID: 57100-006 Date Collected: 2/17/2011 10:56:51 AM
Analyst: Data Type: Original

Replicate Data: 57100-006

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.065	-0.065	0.0000	-0.0014	0.0001	10:57:50	Yes
2	-0.057	-0.057	0.0000	0.0003	0.0001	10:58:23	Yes
Mean:	-0.061	-0.061	0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	8.647	8.647	90.40				

Sequence No.: 20 Autosampler Location: 20
Sample ID: DI-2/11 Date Collected: 2/17/2011 10:58:24 AM
Analyst: Data Type: Original

Replicate Data: DI-2/11

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.051	-0.051	0.0001	0.0012	0.0001	10:59:20	Yes
2	0.032	0.032	0.0004	0.0035	0.0005	10:59:52	Yes
Mean:	-0.010	-0.010	0.0002				
SD:	0.059	0.059	0.0003				
%RSD:	619.2	619.2	103.82				

Sequence No.: 21 Autosampler Location: 9
Sample ID: CCV Date Collected: 2/17/2011 10:59:54 AM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.02	10.02	0.0431	0.1222	0.0431	11:00:50	Yes
2	10.02	10.02	0.0431	0.1185	0.0431	11:01:22	Yes
Mean:	10.02	10.02	0.0431				
SD:	0.001	0.001	0.0000				
%RSD:	0.013	0.013	0.01				

QC value within limits for Hg 253.7 Recovery = 100.16%
All analyte(s) passed QC.

Sequence No.: 22 Autosampler Location: 1
Sample ID: CCB Date Collected: 2/17/2011 11:01:23 AM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.013	-0.013	0.0002	0.0017	0.0003	11:02:20	Yes
2	-0.045	-0.045	0.0001	0.0009	0.0002	11:02:52	Yes
Mean:	-0.029	-0.029	0.0002				

SD:	0.023	0.023	0.0001
%RSD:	78.02	78.02	59.74

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 23 **Autosampler Location: 21**
Sample ID: DI-2/15 **Date Collected: 2/17/2011 11:02:54 AM**
Analyst: **Data Type: Original**

Replicate Data: DI-2/15

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.085	-0.085	-0.0001	-0.0015	-0.0000	11:03:50	Yes
2	-0.065	-0.065	0.0000	0.0006	0.0001	11:04:23	Yes
Mean:	-0.075	-0.075	-0.0000				
SD:	0.014	0.014	0.0001				
%RSD:	18.57	18.57	162.14				

Sequence No.: 24 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 2/17/2011 11:04:24 AM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.05	10.05	0.0432	0.1200	0.0433	11:05:21	Yes
2	9.992	9.992	0.0430	0.1161	0.0430	11:05:54	Yes
Mean:	10.02	10.02	0.0431				
SD:	0.041	0.041	0.0002				
%RSD:	0.412	0.412	0.41				

QC value within limits for Hg 253.7 Recovery = 100.21%
All analyte(s) passed QC.

Sequence No.: 25 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/17/2011 11:05:55 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.069	-0.069	-0.0000	-0.0006	0.0001	11:06:51	Yes
2	-0.076	-0.076	-0.0000	0.0000	0.0000	11:07:24	Yes
Mean:	-0.072	-0.072	-0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	7.509	7.509	95.20				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12334C2.txt

Analysis Date: 03/01/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-108505	1	CAL	12:55	1							V-108505(ICB/CCB)
Calib 1 V-104185	1	CAL	12:59	2							V-104185(ICS1 Lowest std)
Calib 2 V-106426	1	CAL	13:03	3							V-106426(ICS2- Low Std)
Calib 3 V-106427	1	CAL	13:06	4							V-106427(ICS3 - Middle Std)
Calib 4 V-108511	1	CAL	13:10	5							V-108511(ICS4 - High std)
ICS3 V-106427	1	ICS	13:15	6							V-106427(ICS3 - Middle Std)
ICV V-107292 (2)	1	ICV	13:19	7							V-107292(ICV)
ICB V-108505	1	ICB	13:24	8							V-108505(ICB/CCB)
ICSA V-107289	1	ICSA	13:28	9							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	13:33	10							V-107290(ICSAB)
MB 3350 (1)	1	MB	13:39	11		SPLP	SPLP	SW846	3350		()
LCSW	1	LCS	13:42	12		SPLP	SPLP	SW846	3350		()
LCSW MR	1	LCS	13:46	13		SPLP	SPLP	SW846	3350		()
AC57098-010	1	SMP	13:50	14	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57098-010	1	MR	13:53	15	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57098-010	1	MS	13:57	16	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57098-010	1	PS	14:00	17	METALS-SPLP	SPLP	SPLP	SW846	3350		()
CCV V-108509	1	CCV	14:04	18							V-108509(CCV)
CCB	1	CCB	14:08	19							()
AC57098-010	5	SD	14:11	20	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57100-011	1	SMP	14:15	21	METALS-SPLP	SPLP	SPLP	SW846	3350		()
EF DI BLANK 2/20	1	EF	14:19	22		SPLP	SPLP	SW846	3350		()
ICSA V-107289	1	ICSA	14:22	23							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	14:28	24							V-107290(ICSAB)
CCV V-108509	1	CCV	14:33	25							V-108509(CCV)
CCB	1	CCB	14:37	26							()

Comments/Reviewedby:

sean
192.168.1.68 3/1/2011 4:41:47 PM

OK

3/1/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12334SPb.txt

Analysis Date: 02/25/11 **Instrument:** HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	12:06	1							0
.2 PPB	1	CAL	12:07	2							0
.5 PPB	1	CAL	12:09	3							0
1 PPB	1	CAL	12:10	4							0
2 PPB	1	CAL	12:12	5							0
5 PPB	1	CAL	12:13	6							0
10 PPB	1	CAL	12:15	7							0
25 PPB	1	CAL	12:16	8							0
ICV (2)	1	ICV	12:18	9							0
ICB	1	ICB	12:19	10							0
MB 3350 (1)	1	MB	12:21	11		SPLP	SPLP	SW846	3350		0
LCSW 3350	1	LCS	12:22	12		SPLP	SPLP	SW846	3350		0
LCSW MR 3350	1	LCS	12:24	13		SPLP	SPLP	SW846	3350		0
AC57098-010	1	SMP	12:25	14	HG-SPLP	SPLP	SPLP	SW846	3350		0
AC57098-010	1	MR	12:27	15	HG-SPLP	SPLP	SPLP	SW846	3350		0
AC57098-010	1	MS	12:28	16	HG-SPLP	SPLP	SPLP	SW846	3350		0
AC57100-011	1	SMP	12:30	17	HG-SPLP	SPLP	SPLP	SW846	3350		0
DI-BLANK 2/20	1	SMP	12:31	18		SPLP	SPLP	SW846	3350		0
CCV	1	CCV	12:33	19							0
CCB	1	CCB	12:34	20							0

Comments/Reviewedby:

carmela
192.168.1.75 2/25/2011 12:39:32 PM

OK

Shiamal Bal 2/28/11

Standard/Batch/SnCl2 Lot #:

V-109185

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109065

Prepared By: Perez-Capellan, Joelly
Description: Hg Intermediate Standard
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9731
Concentration: .25 ppm
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 03/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	12.5 ml	neat neat	
4819	Mercury	.125 ml	1000 mg/l	

Veritech Lot Number: V-109066

Prepared By: Perez-Capellan, Joelly
Description: Hg intermediate Control
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9731
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: shiamala
ApproveDate: 03/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-109187

Prepared By: Soules, John
Description: Hg AQ ICV 20 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 20 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109066	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109188

Prepared By: Soules, John
Description: Hg AQ CCV 10 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109066	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109189

Prepared By: Soules, John
Description: Hg AQ standard blk
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 0 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109190

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard .2 ppb | BatchNumber: B-9739 | ApproveDate: 03/09/11
Prep Date: 2/24/2011 | Concentration: .2 ppb | Checked: Yes
Expiration Date: 2/24/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109191

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard .5 ppb | BatchNumber: B-9739 | ApproveDate: 03/09/11
Prep Date: 2/24/2011 | Concentration: .5 ppb | Checked: Yes
Expiration Date: 2/24/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-109065	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-109192

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 1 ppb | BatchNumber: B-9739 | ApproveDate: 03/09/11
Prep Date: 2/24/2011 | Concentration: 1 ppb | Checked: Yes
Expiration Date: 2/24/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109193

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 2 ppb | BatchNumber: B-9739 | ApproveDate: 03/09/11
Prep Date: 2/24/2011 | Concentration: 2 ppb | Checked: Yes
Expiration Date: 2/24/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109194

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 5 ppb | BatchNumber: B-9739 | ApproveDate: 03/09/11
Prep Date: 2/24/2011 | Concentration: 5 ppb | Checked: Yes
Expiration Date: 2/24/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109195

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 10 ppb | BatchNumber: B-9739 | ApproveDate: 03/09/11
Prep Date: 2/24/2011 | Concentration: 10 ppb | Checked: Yes
Expiration Date: 2/24/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109196

Prepared By:	Soules, John	Department: Metals	ApprovedBy: shiamala
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9739	ApproveDate: 03/09/11
Prep Date:	2/24/2011	Concentration: 25 ppb	Checked: Yes
Expiration Date:	2/24/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101034

Prepared By: Berls, Sean R.
Description: 5% Potassium Persulfate
Prep Date: 11/9/2010
Expiration Date: 2/8/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5365	hidrochloric acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105162

Prepared By: Aliano, Carmela
Description: Hydroxylamine Hydrochloride
Prep Date: 1/4/2011
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 01/21/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106426

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-106427

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107289

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107290

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107292

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-107507

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 2/3/2011
Expiration Date: 8/3/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5481	Hydrochloric acid	1000 ml	neat neat	

Veritech Lot Number: V-108388

Prepared By: Perez-Capellan, Joelly
Description: 5% Potassium Permanganate
Prep Date: 2/14/2011
Expiration Date: 8/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 9.5 l
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108505

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5594	Hydrochloric Acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	

Veritech Lot Number: V-108509

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5594	Hydrochloric Acid	50 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108511

Prepared By:	Kalin, Gabrielle	Department: Metals	ApprovedBy: melissa
Description:	ICS4 - High std	BatchNumber:	ApproveDate: 02/25/11
Prep Date:	2/15/2011	Concentration: MULTI multi	Checked: Yes
Expiration Date:	5/14/2011	Final Volume: 500 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-109066

Prepared By:	Perez-Capellan, Joelly	Department: Metals	ApprovedBy: shiamala
Description:	Hg intermediate Control	BatchNumber: B-9731	ApproveDate: 03/05/11
Prep Date:	2/24/2011	Concentration: 1.0 ppm	Checked: Yes
Expiration Date:	2/24/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-109185

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: shiamala
Description:	SnCl2	BatchNumber: B-9738	ApproveDate: 03/02/11
Prep Date:	2/25/2011	Concentration: 1.1% SnCl2 in	Checked: Yes
Expiration Date:	2/25/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-109186	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-109186

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: shiamala
Description:	3% HCL	BatchNumber: B-9738	ApproveDate: 03/02/11
Prep Date:	2/25/2011	Concentration: reagent reage	Checked: Yes
Expiration Date:	2/25/2011	Final Volume: 10 l	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5365	hydrochloric acid	300 ml	neat neat	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description: Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4862

Description: Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description: Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description: ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description: ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description: ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description: Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5202

Description: Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description: icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description: hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description: ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description: ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5403

Description: ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5404

Description: ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description: ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Control/Receipt Number: 5481

Description: Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description: Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description: Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Control/Receipt Number: 5594

Description: Hydrochloric Acid

ApprovedBy: melissa
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110060	02/07/11	06/30/13	Lopez, Jose	12	2.5L	neat	neat

File SP12334C2 Batch 12334 SPLP

Method: PE2 4300DV AXIAL Page 1 Date: 3/1/2011 12:58:29 PM

Analyst S Rubin 3/1/11

Analysis Begun

Start Time: 3/1/2011 12:55:02 PM Plasma On Time: 3/1/2011 12:11:26 PM
Logged In Analyst: shiamala Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1030901Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12334C2
Results Library: C:\pe\administrator\Results\Results.mdb

Shiam 3/1/11

Method Loaded
Method Name: PE2 4300DV AXIAL Method Last Saved: 2/25/2011 4:01:18 PM
IEC File: IEC092710.iec MSF File:
Method Description: 200.7/6010B

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blk 1 V-108505 Date Collected: 3/1/2011 12:55:02 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Blk 1 V-108505

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1262316.5	3702.72	0.29%	100	%
Y 371.029	504428.1	1362.01	0.27%	100	%
Ag 328.068†	412.7	54.97	13.32%	[0.00]	mg/L
Al 308.215†	21683.4	136.14	0.63%	[0.00]	mg/L
As 188.979†	-18.2	0.22	1.21%	[0.00]	mg/L
Ba 233.527†	-742.5	19.82	2.67%	[0.00]	mg/L
Be 313.107†	-1001.1	4.94	0.49%	[0.00]	mg/L
Ca 315.887†	-72597.4	401.84	0.55%	[0.00]	mg/L
Cd 228.802†	559.6	2.25	0.40%	[0.00]	mg/L
Co 228.616†	101.8	5.99	5.88%	[0.00]	mg/L
Cr 267.716†	332.9	8.91	2.68%	[0.00]	mg/L
Cu 327.393†	-1001.7	98.50	9.83%	[0.00]	mg/L
Fe 273.955†	-3110.7	21.13	0.68%	[0.00]	mg/L
K 404.721†	2229.6	15.70	0.70%	[0.00]	mg/L
Mg 279.077†	-3946.0	40.26	1.02%	[0.00]	mg/L
Mn 257.610†	-784.9	8.98	1.14%	[0.00]	mg/L
Mo 202.031†	56.4	2.82	4.99%	[0.00]	mg/L
Na 330.237†	48117.8	916.55	1.90%	[0.00]	mg/L
Ni 231.604†	176.1	10.19	5.79%	[0.00]	mg/L
Pb 220.353†	-8.9	0.93	10.42%	[0.00]	mg/L
Sb 206.836†	26.0	1.11	4.27%	[0.00]	mg/L
Se 196.026†	36.7	0.23	0.64%	[0.00]	mg/L
Sn 189.927†	15.0	0.32	2.16%	[0.00]	mg/L
Ti 334.940†	1754.4	22.51	1.28%	[0.00]	mg/L
Tl 190.801†	-16.2	1.69	10.48%	[0.00]	mg/L
V 290.880†	8528.2	104.25	1.22%	[0.00]	mg/L
Zn 206.200†	224.2	9.53	4.25%	[0.00]	mg/L

12334

all elements reported

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/1/2011 12:59:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1249537.2	2280.93	0.18%	99.0	%
Y 371.029	497082.2	1187.47	0.24%	98.5	%
As 188.979†	8.3	1.10	13.29%	[0.005]	mg/L
Be 313.107†	10526.8	17.88	0.17%	[0.003]	mg/L
Cd 228.802†	146.6	4.44	3.03%	[0.003]	mg/L
Pb 220.353†	39.4	10.79	27.40%	[0.004]	mg/L
Tl 190.801†	3.9	0.72	18.52%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-106426
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/1/2011 1:03:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-106426

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1199710.1	16093.99	1.34%	95.0	%
Y 371.029	473123.5	6671.88	1.41%	93.8	%
Ag 328.068†	198.5	23.59	11.89%	[0.002]	mg/L
Al 308.215†	5928.9	576.84	9.73%	[0.10]	mg/L
As 188.979†	10.5	2.86	27.28%	[0.010]	mg/L
Ba 233.527†	1479.7	6.55	0.44%	[0.010]	mg/L
Be 313.107†	31587.3	519.05	1.64%	[0.010]	mg/L
Ca 315.887†	106297.8	1050.92	0.99%	[1.0]	mg/L
Cd 228.802†	451.9	32.59	7.21%	[0.010]	mg/L
Co 228.616†	386.0	4.36	1.13%	[0.010]	mg/L
Cr 267.716†	846.0	27.62	3.26%	[0.010]	mg/L
Cu 327.393†	1160.1	43.48	3.75%	[0.010]	mg/L
Fe 273.955†	1027.2	36.34	3.54%	[0.10]	mg/L
K 404.721†	112.5	84.00	74.67%	[1.0]	mg/L
Mg 279.077†	17971.0	244.83	1.36%	[1.0]	mg/L
Mn 257.610†	4326.1	79.55	1.84%	[0.010]	mg/L
Mo 202.031†	148.9	1.80	1.21%	[0.010]	mg/L
Na 330.237†	-1445.0	1418.11	98.14%	[1.0]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Ni 231.604†	520.5	10.95	2.10%	[0.010]	mg/L
Pb 220.353†	102.4	6.83	6.67%	[0.010]	mg/L
Sb 206.836†	19.8	5.62	28.38%	[0.010]	mg/L
Se 196.026†	22.0	0.03	0.15%	[0.010]	mg/L
Sn 189.927†	25.7	3.81	14.80%	[0.010]	mg/L
Ti 334.940†	8183.0	238.88	2.92%	[0.010]	mg/L
Tl 190.801†	7.5	0.97	12.93%	[0.010]	mg/L
V 290.880†	2650.2	238.40	9.00%	[0.010]	mg/L
Zn 206.200†	316.4	19.50	6.16%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/1/2011 1:06:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-106427

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1151604.8	889.69	0.08%	91.2	%
Y 371.029	447386.0	23.00	0.01%	88.7	%
Ag 328.068†	13257.9	124.30	0.94%	[0.10]	mg/L
Al 308.215†	147671.9	460.84	0.31%	[5.0]	mg/L
As 188.979†	680.0	10.22	1.50%	[0.50]	mg/L
Ba 233.527†	80521.0	338.04	0.42%	[0.50]	mg/L
Be 313.107†	1787266.8	26070.98	1.46%	[0.50]	mg/L
Ca 315.887†	5719357.2	70818.97	1.24%	[50]	mg/L
Cd 228.802†	25443.4	57.27	0.23%	[0.50]	mg/L
Co 228.616†	20519.2	79.69	0.39%	[0.50]	mg/L
Cr 267.716†	44182.1	84.57	0.19%	[0.50]	mg/L
Cu 327.393†	76831.7	113.61	0.15%	[0.50]	mg/L
Fe 273.955†	66854.1	147.31	0.22%	[5.0]	mg/L
K 404.721†	1752.3	49.56	2.83%	[50]	mg/L
Mg 279.077†	940530.7	13301.50	1.41%	[50]	mg/L
Mn 257.610†	235133.7	759.44	0.32%	[0.50]	mg/L
Mo 202.031†	7334.4	49.91	0.68%	[0.50]	mg/L
Na 330.237†	42183.2	463.81	1.10%	[50]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Ni 231.604†	27733.4	87.33	0.31%	[0.50]	mg/L
Pb 220.353†	5905.0	26.01	0.44%	[0.50]	mg/L
Sb 206.836†	736.5	3.26	0.44%	[0.50]	mg/L
Se 196.026†	688.6	6.39	0.93%	[0.50]	mg/L
Sn 189.927†	1457.1	6.89	0.47%	[0.50]	mg/L
Ti 334.940†	414708.4	5261.20	1.27%	[0.50]	mg/L
Tl 190.801†	558.5	2.51	0.45%	[0.50]	mg/L
V 290.880†	84945.0	345.41	0.41%	[0.50]	mg/L
Zn 206.200†	19638.4	20.60	0.10%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-108511
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/1/2011 1:10:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-108511

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1121913.1	9100.40	0.81%	88.9	%
Y 371.029	436596.1	3628.15	0.83%	86.6	%
Ag 328.068†	26763.7	338.15	1.26%	[0.20]	mg/L
Al 308.215†	290156.4	4510.72	1.55%	[10]	mg/L
As 188.979†	1378.6	37.61	2.73%	[1.0]	mg/L
Ba 233.527†	159333.5	2727.25	1.71%	[1.0]	mg/L
Be 313.107†	3600149.6	40821.24	1.13%	[1.0]	mg/L
Ca 315.887†	11421058.1	120563.90	1.06%	[100]	mg/L
Cd 228.802†	51546.0	860.33	1.67%	[1.0]	mg/L
Co 228.616†	41009.0	690.86	1.68%	[1.0]	mg/L
Cr 267.716†	88772.5	1564.93	1.76%	[1.0]	mg/L
Cu 327.393†	156225.9	2498.39	1.60%	[1.0]	mg/L
Fe 273.955†	135339.1	2300.53	1.70%	[10]	mg/L
K 404.721†	3330.6	49.06	1.47%	[100]	mg/L
Mg 279.077†	1892089.2	17973.47	0.95%	[100]	mg/L
Mn 257.610†	467500.4	4361.23	0.93%	[1.0]	mg/L
Mo 202.031†	14669.9	270.32	1.84%	[1.0]	mg/L
Na 330.237†	83568.3	1255.40	1.50%	[100]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Ni 231.604†	55189.7	907.56	1.64%	[1.0]	mg/L
Pb 220.353†	12067.6	252.96	2.10%	[1.0]	mg/L
Sb 206.836†	1497.1	40.16	2.68%	[1.0]	mg/L
Se 196.026†	1393.4	19.65	1.41%	[1.0]	mg/L
Sn 189.927†	2893.6	61.34	2.12%	[1.0]	mg/L
Ti 334.940†	829199.1	8651.92	1.04%	[1.0]	mg/L
Tl 190.801†	1099.7	30.71	2.79%	[1.0]	mg/L
V 290.880†	167230.1	2866.83	1.71%	[1.0]	mg/L
Zn 206.200†	39207.1	777.36	1.98%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-54.0	133900	0.00000	0.999989	
Al 308.215	3	Lin, Calc Int	1846.5	28900	0.00000	0.999938	
As 188.979	4	Lin, Calc Int	-1.8	1377	0.00000	0.999976	
Ba 233.527	3	Lin, Calc Int	103.9	159500	0.00000	0.999983	
Be 313.107	4	Lin, Calc Int	-3058.1	3599000	0.00000	0.999994	
Ca 315.887	3	Lin, Calc Int	-1985.6	114300	0.00000	0.999999	
Cd 228.802	4	Lin, Calc Int	-63.4	51490	0.00000	0.999981	
Co 228.616	3	Lin, Calc Int	-8.3	41020	0.00000	1.000000	
Cr 267.716	3	Lin, Calc Int	-56.1	88760	0.00000	0.999997	
Cu 327.393	3	Lin, Calc Int	-415.7	156200	0.00000	0.999967	
Fe 273.955	3	Lin, Calc Int	-296.5	13540	0.00000	0.999982	
K 404.721	3	Lin, Calc Int	51.8	33.03	0.00000	0.999567	
Mg 279.077	3	Lin, Calc Int	-1434.8	18920	0.00000	0.999996	
Mn 257.610	3	Lin, Calc Int	93.4	467900	0.00000	0.999995	
Mo 202.031	3	Lin, Calc Int	0.9	14670	0.00000	1.000000	
Ni 231.604	3	Lin, Calc Int	11.0	55230	0.00000	0.999996	
Pb 220.353	4	Lin, Calc Int	-24.6	12050	0.00000	0.999949	
Sb 206.836	3	Lin, Calc Int	0.0	1492	0.00000	0.999954	
Se 196.026	3	Lin, Calc Int	2.2	1388	0.00000	0.999959	
Sn 189.927	3	Lin, Calc Int	0.4	2897	0.00000	0.999992	
Ti 334.940	3	Lin, Calc Int	-29.6	829300	0.00000	1.000000	
Tl 190.801	4	Lin, Calc Int	-0.5	1104	0.00000	0.999961	
V 290.880	3	Lin, Calc Int	686.0	166900	0.00000	0.999965	
Zn 206.200	3	Lin, Calc Int	-28.0	39250	0.00000	0.999998	

Sequence No.: 6
Sample ID: ICS3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/1/2011 1:15:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-106427

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1166701.5	92.4	%	0.22				0.24%
Y 371.029	456294.2	90.5	%	0.13				0.14%
Ag 328.068†	13049.8	0.0972190	mg/L	0.00109146	0.0972190	mg/L	0.00109146	1.12%
QC value within limits for Ag 328.068 Recovery = 97.22%								
Al 308.215†	145913.7	4.97353	mg/L	0.022759	4.97353	mg/L	0.022759	0.46%
QC value within limits for Al 308.215 Recovery = 99.47%								
As 188.979†	685.5	0.498402	mg/L	0.0040569	0.498402	mg/L	0.0040569	0.81%
QC value within limits for As 188.979 Recovery = 99.68%								
Ba 233.527†	80762.9	0.505492	mg/L	0.0024528	0.505492	mg/L	0.0024528	0.49%
QC value within limits for Ba 233.527 Recovery = 101.10%								
Be 313.107†	1792614.9	0.498696	mg/L	0.0066260	0.498696	mg/L	0.0066260	1.33%
QC value within limits for Be 313.107 Recovery = 99.74%								
Ca 315.887†	5758695.0	50.4132	mg/L	0.71725	50.4132	mg/L	0.71725	1.42%
QC value within limits for Ca 315.887 Recovery = 100.83%								
Cd 228.802†	25353.9	0.493549	mg/L	0.0014459	0.493549	mg/L	0.0014459	0.29%
QC value within limits for Cd 228.802 Recovery = 98.71%								
Co 228.616†	20517.5	0.500865	mg/L	0.0033668	0.500865	mg/L	0.0033668	0.67%
QC value within limits for Co 228.616 Recovery = 100.17%								
Cr 267.716†	44379.7	0.503617	mg/L	0.0022887	0.503617	mg/L	0.0022887	0.45%
QC value within limits for Cr 267.716 Recovery = 100.72%								
Cu 327.393†	76339.5	0.490302	mg/L	0.0023805	0.490302	mg/L	0.0023805	0.49%
QC value within limits for Cu 327.393 Recovery = 98.06%								
Fe 273.955†	66673.3	4.96573	mg/L	0.023090	4.96573	mg/L	0.023090	0.46%
QC value within limits for Fe 273.955 Recovery = 99.31%								
K 404.721†	1684.8	49.4334	mg/L	0.81238	49.4334	mg/L	0.81238	1.64%
QC value within limits for K 404.721 Recovery = 98.87%								
Mg 279.077†	947224.9	50.1591	mg/L	0.66342	50.1591	mg/L	0.66342	1.32%
QC value within limits for Mg 279.077 Recovery = 100.32%								
Mn 257.610†	234372.2	0.498784	mg/L	0.0023407	0.498784	mg/L	0.0023407	0.47%
QC value within limits for Mn 257.610 Recovery = 99.76%								
Mo 202.031†	7421.2	0.504723	mg/L	0.0071062	0.504723	mg/L	0.0071062	1.41%
QC value within limits for Mo 202.031 Recovery = 100.94%								
Na 330.237†	26907.3						423.02	1.57%
Unable to evaluate QC.								
Ni 231.604†	27759.5	0.502744	mg/L	0.0024756	0.502744	mg/L	0.0024756	0.49%
QC value within limits for Ni 231.604 Recovery = 100.55%								
Pb 220.353†	6020.4	0.503104	mg/L	0.0039317	0.503104	mg/L	0.0039317	0.78%
QC value within limits for Pb 220.353 Recovery = 100.62%								
Sb 206.836†	744.7	0.500816	mg/L	0.0068003	0.500816	mg/L	0.0068003	1.36%
QC value within limits for Sb 206.836 Recovery = 100.16%								
Se 196.026†	692.0	0.497456	mg/L	0.0003753	0.497456	mg/L	0.0003753	0.08%
QC value within limits for Se 196.026 Recovery = 99.49%								
Sn 189.927†	1480.2	0.512160	mg/L	0.0027746	0.512160	mg/L	0.0027746	0.54%
QC value within limits for Sn 189.927 Recovery = 102.43%								
Ti 334.940†	416667.7	0.502482	mg/L	0.0078271	0.502482	mg/L	0.0078271	1.56%
QC value within limits for Ti 334.940 Recovery = 100.50%								
Tl 190.801†	563.1	0.512530	mg/L	0.0034460	0.512530	mg/L	0.0034460	0.67%
QC value within limits for Tl 190.801 Recovery = 102.51%								
V 290.880†	84530.6	0.501089	mg/L	0.0020869	0.501089	mg/L	0.0020869	0.42%
QC value within limits for V 290.880 Recovery = 100.22%								
Zn 206.200†	19666.9	0.501402	mg/L	0.0015468	0.501402	mg/L	0.0015468	0.31%
QC value within limits for Zn 206.200 Recovery = 100.28%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 7
Sample ID: ICV V-107292 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/1/2011 1:19:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-107292 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1165531.0	92.3	%	0.61				0.66%
Y 371.029	458886.4	91.0	%	0.54				0.60%
Ag 328.068†	25784.8	0.191721	mg/L	0.0017576	0.191721	mg/L	0.0017576	0.92%
QC value within limits for Ag 328.068 Recovery = 95.86%								
Al 308.215†	294887.7	10.1175	mg/L	0.07887	10.1175	mg/L	0.07887	0.78%
QC value within limits for Al 308.215 Recovery = 101.18%								
As 188.979†	1333.1	0.967992	mg/L	0.0043587	0.967992	mg/L	0.0043587	0.45%
QC value within limits for As 188.979 Recovery = 96.80%								
Ba 233.527†	159356.4	0.998038	mg/L	0.0070924	0.998038	mg/L	0.0070924	0.71%
QC value within limits for Ba 233.527 Recovery = 99.80%								
Be 313.107†	3481493.3	0.967724	mg/L	0.0158131	0.967724	mg/L	0.0158131	1.63%
QC value within limits for Be 313.107 Recovery = 96.77%								
Ca 315.887†	11279366.8	98.7261	mg/L	1.63981	98.7261	mg/L	1.63981	1.66%
QC value within limits for Ca 315.887 Recovery = 98.73%								
Cd 228.802†	50168.1	0.975384	mg/L	0.0062645	0.975384	mg/L	0.0062645	0.64%
QC value within limits for Cd 228.802 Recovery = 97.54%								
Co 228.616†	40208.0	0.981303	mg/L	0.0065271	0.981303	mg/L	0.0065271	0.67%
QC value within limits for Co 228.616 Recovery = 98.13%								
Cr 267.716†	87104.5	0.987794	mg/L	0.0079726	0.987794	mg/L	0.0079726	0.81%
QC value within limits for Cr 267.716 Recovery = 98.78%								
Cu 327.393†	151907.6	0.973044	mg/L	0.0064087	0.973044	mg/L	0.0064087	0.66%
QC value within limits for Cu 327.393 Recovery = 97.30%								
Fe 273.955†	131399.7	9.76482	mg/L	0.073276	9.76482	mg/L	0.073276	0.75%
QC value within limits for Fe 273.955 Recovery = 97.65%								
K 404.721†	3439.9	102.564	mg/L	3.0743	102.564	mg/L	3.0743	3.00%
QC value within limits for K 404.721 Recovery = 102.56%								
Mg 279.077†	1848725.4	97.8246	mg/L	0.53421	97.8246	mg/L	0.53421	0.55%
QC value within limits for Mg 279.077 Recovery = 97.82%								
Mn 257.610†	457692.3	0.974245	mg/L	0.0063197	0.974245	mg/L	0.0063197	0.65%
QC value within limits for Mn 257.610 Recovery = 97.42%								
Mo 202.031†	14412.7	0.980268	mg/L	0.0131619	0.980268	mg/L	0.0131619	1.34%
QC value within limits for Mo 202.031 Recovery = 98.03%								
Na 330.237†	72726.2						1327.51	1.83%
Unable to evaluate QC.								
Ni 231.604†	54006.4	0.978279	mg/L	0.0070231	0.978279	mg/L	0.0070231	0.72%
QC value within limits for Ni 231.604 Recovery = 97.83%								
Pb 220.353†	11883.7	0.991123	mg/L	0.0003955	0.991123	mg/L	0.0003955	0.04%
QC value within limits for Pb 220.353 Recovery = 99.11%								
Sb 206.836†	1469.3	0.988094	mg/L	0.0060111	0.988094	mg/L	0.0060111	0.61%
QC value within limits for Sb 206.836 Recovery = 98.81%								
Se 196.026†	1347.2	0.969936	mg/L	0.0163763	0.969936	mg/L	0.0163763	1.69%
QC value within limits for Se 196.026 Recovery = 96.99%								
Sn 189.927†	2914.1	1.00843	mg/L	0.002105	1.00843	mg/L	0.002105	0.21%
QC value within limits for Sn 189.927 Recovery = 100.84%								
Ti 334.940†	822597.1	0.991980	mg/L	0.0077141	0.991980	mg/L	0.0077141	0.78%
QC value within limits for Ti 334.940 Recovery = 99.20%								
Tl 190.801†	1119.7	1.01861	mg/L	0.010492	1.01861	mg/L	0.010492	1.03%
QC value within limits for Tl 190.801 Recovery = 101.86%								
V 290.880†	164083.9	0.976533	mg/L	0.0066675	0.976533	mg/L	0.0066675	0.68%
QC value within limits for V 290.880 Recovery = 97.65%								
Zn 206.200†	38093.9	0.970520	mg/L	0.0069438	0.970520	mg/L	0.0069438	0.72%
QC value within limits for Zn 206.200 Recovery = 97.05%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 8
Sample ID: ICB V-108505
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/1/2011 1:24:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-108505

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1233407.2	97.7	%	0.56				0.58%
Y 371.029	489948.0	97.1	%	0.68				0.70%
Ag 328.068†	-75.8	-0.0001638	mg/L	0.00034975	-0.0001638	mg/L	0.00034975	213.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	3542.7	0.0586694	mg/L	0.00811994	0.0586694	mg/L	0.00811994	13.84%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.3	0.0003569	mg/L	0.00294553	0.0003569	mg/L	0.00294553	825.41%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-37.2	-0.0008845	mg/L	0.00004372	-0.0008845	mg/L	0.00004372	4.94%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-281.4	0.0007715	mg/L	0.00000800	0.0007715	mg/L	0.00000800	1.04%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-3803.4	-0.0159079	mg/L	0.00535840	-0.0159079	mg/L	0.00535840	33.68%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-48.0	0.0002982	mg/L	0.00014731	0.0002982	mg/L	0.00014731	49.40%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	11.8	0.0004942	mg/L	0.00006986	0.0004942	mg/L	0.00006986	14.14%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.1	0.0006719	mg/L	0.00002280	0.0006719	mg/L	0.00002280	3.39%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-188.9	0.0014525	mg/L	0.00019759	0.0014525	mg/L	0.00019759	13.60%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-221.3	0.0055752	mg/L	0.00110376	0.0055752	mg/L	0.00110376	19.80%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	78.9	0.820562	mg/L	0.0230907	0.820562	mg/L	0.0230907	2.81%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-287.0	0.0606976	mg/L	0.00014283	0.0606976	mg/L	0.00014283	0.24%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	113.4	0.0000407	mg/L	0.00001081	0.0000407	mg/L	0.00001081	26.59%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	16.7	0.0010773	mg/L	0.00071045	0.0010773	mg/L	0.00071045	65.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-23571.1						144.07	0.61%
Unable to evaluate QC.								
Ni 231.604†	23.1	0.0002202	mg/L	0.00016481	0.0002202	mg/L	0.00016481	74.86%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-34.8	-0.0008350	mg/L	0.00066526	-0.0008350	mg/L	0.00066526	79.67%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.0	0.0047102	mg/L	0.00285870	0.0047102	mg/L	0.00285870	60.69%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.8	0.0026269	mg/L	0.00675682	0.0026269	mg/L	0.00675682	257.22%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	6.6	0.0021344	mg/L	0.00007157	0.0021344	mg/L	0.00007157	3.35%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	83.5	0.0001364	mg/L	0.00004598	0.0001364	mg/L	0.00004598	33.70%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.8	-0.0011738	mg/L	0.00040926	-0.0011738	mg/L	0.00040926	34.87%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	1131.0	0.0026643	mg/L	0.00080190	0.0026643	mg/L	0.00080190	30.10%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-75.9	-0.0012209	mg/L	0.00023650	-0.0012209	mg/L	0.00023650	19.37%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 9
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 3/1/2011 1:28:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1131713.1	89.7	%	0.02				0.02%
Y 371.029	445603.3	88.3	%	0.00				0.00%
Ag 328.068†	-883.2	-0.0029059	mg/L	0.00034772	-0.0029059	mg/L	0.00034772	11.97%
Al 308.215†	14643611.2	506.657	mg/L	3.3925	506.657	mg/L	3.3925	0.67%
QC value within limits for Al 308.215 Recovery = 101.33%								
As 188.979†	-30.4	0.0048613	mg/L	0.00425268	0.0048613	mg/L	0.00425268	87.48%
Ba 233.527†	576.2	0.0010021	mg/L	0.00003499	0.0010021	mg/L	0.00003499	3.49%
Be 313.107†	-2460.4	0.0016352	mg/L	0.00001523	0.0016352	mg/L	0.00001523	0.93%
Ca 315.887†	53681545.3	469.799	mg/L	2.3631	469.799	mg/L	2.3631	0.50%
QC value within limits for Ca 315.887 Recovery = 93.96%								
Cd 228.802†	147.5	-0.0012858	mg/L	0.00028168	-0.0012858	mg/L	0.00028168	21.91%
Co 228.616†	-169.5	-0.0012483	mg/L	0.00024720	-0.0012483	mg/L	0.00024720	19.80%
Cr 267.716†	-215.9	0.0048069	mg/L	0.00000437	0.0048069	mg/L	0.00000437	0.09%
Cu 327.393†	493.6	-0.0012685	mg/L	0.00027918	-0.0012685	mg/L	0.00027918	22.01%
Fe 273.955†	2469488.0	182.628	mg/L	0.5841	182.628	mg/L	0.5841	0.32%
QC value within limits for Fe 273.955 Recovery = 91.31%								
K 404.721†	-513.8	-17.1204	mg/L	0.28960	-17.1204	mg/L	0.28960	1.69%
Mg 279.077†	9188116.9	485.806	mg/L	2.5552	485.806	mg/L	2.5552	0.53%
QC value within limits for Mg 279.077 Recovery = 97.16%								
Mn 257.610†	-4153.1	-0.0229089	mg/L	0.00163790	-0.0229089	mg/L	0.00163790	7.15%
Mo 202.031†	117.7	0.0088689	mg/L	0.00015251	0.0088689	mg/L	0.00015251	1.72%
Na 330.237†	-16456.5						998.56	6.07%
Ni 231.604†	28.6	0.0003244	mg/L	0.00025679	0.0003244	mg/L	0.00025679	79.16%
Pb 220.353†	-829.8	0.0151362	mg/L	0.00128314	0.0151362	mg/L	0.00128314	8.48%
Sb 206.836†	-47.9	0.0467949	mg/L	0.00200421	0.0467949	mg/L	0.00200421	4.28%
Se 196.026†	-17.7	-0.0123030	mg/L	0.00264627	-0.0123030	mg/L	0.00264627	21.51%
Sn 189.927†	-7.0	0.0007761	mg/L	0.00084809	0.0007761	mg/L	0.00084809	109.28%
Ti 334.940†	1040.3	0.0012902	mg/L	0.00006555	0.0012902	mg/L	0.00006555	5.08%
Tl 190.801†	-18.3	-0.0006257	mg/L	0.00354094	-0.0006257	mg/L	0.00354094	565.89%
V 290.880†	5358.0	0.0076491	mg/L	0.00014125	0.0076491	mg/L	0.00014125	1.85%
Zn 206.200†	107.3	-0.0014104	mg/L	0.00005495	-0.0014104	mg/L	0.00005495	3.90%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/1/2011 1:33:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1135674.0	90.0	%	0.02				0.02%
Y 371.029	447111.7	88.6	%	0.07				0.08%
Ag 328.068†	129200.2	0.968412	mg/L	0.0006943	0.968412	mg/L	0.0006943	0.07%
QC value within limits for Ag 328.068 Recovery = 96.84%								
Al 308.215†	14582982.2	504.559	mg/L	3.4714	504.559	mg/L	3.4714	0.69%
QC value within limits for Al 308.215 Recovery = 100.91%								
As 188.979†	1272.6	0.950889	mg/L	0.0092915	0.950889	mg/L	0.0092915	0.98%
QC value within limits for As 188.979 Recovery = 95.09%								
Ba 233.527†	80041.3	0.499077	mg/L	0.0003708	0.499077	mg/L	0.0003708	0.07%
QC value within limits for Ba 233.527 Recovery = 99.82%								
Be 313.107†	1673226.1	0.467263	mg/L	0.0002117	0.467263	mg/L	0.0002117	0.05%
QC value within limits for Be 313.107 Recovery = 93.45%								
Ca 315.887†	53504891.5	468.253	mg/L	3.2192	468.253	mg/L	3.2192	0.69%
QC value within limits for Ca 315.887 Recovery = 93.65%								
Cd 228.802†	49406.7	0.955407	mg/L	0.0009664	0.955407	mg/L	0.0009664	0.10%
QC value within limits for Cd 228.802 Recovery = 95.54%								
Co 228.616†	18567.4	0.455479	mg/L	0.0014660	0.455479	mg/L	0.0014660	0.32%
QC value within limits for Co 228.616 Recovery = 91.10%								
Cr 267.716†	41717.2	0.477567	mg/L	0.0008611	0.477567	mg/L	0.0008611	0.18%
QC value within limits for Cr 267.716 Recovery = 95.51%								
Cu 327.393†	77120.4	0.489284	mg/L	0.0018425	0.489284	mg/L	0.0018425	0.38%
QC value within limits for Cu 327.393 Recovery = 97.86%								
Fe 273.955†	2452999.9	181.410	mg/L	0.0662	181.410	mg/L	0.0662	0.04%
QC value within limits for Fe 273.955 Recovery = 90.70%								
K 404.721†	-563.2	-18.6167	mg/L	2.32058	-18.6167	mg/L	2.32058	12.47%
Mg 279.077†	9152225.1	483.909	mg/L	3.7982	483.909	mg/L	3.7982	0.78%
QC value within limits for Mg 279.077 Recovery = 96.78%								
Mn 257.610†	218464.6	0.452863	mg/L	0.0000814	0.452863	mg/L	0.0000814	0.02%
QC value within limits for Mn 257.610 Recovery = 90.57%								
Mo 202.031†	117.8	0.0088612	mg/L	0.00053725	0.0088612	mg/L	0.00053725	6.06%
Na 330.237†	-20847.9						446.08	2.14%
Ni 231.604†	49250.7	0.891519	mg/L	0.0005078	0.891519	mg/L	0.0005078	0.06%
QC value within limits for Ni 231.604 Recovery = 89.15%								
Pb 220.353†	10321.8	0.940605	mg/L	0.0008159	0.940605	mg/L	0.0008159	0.09%
QC value within limits for Pb 220.353 Recovery = 94.06%								
Sb 206.836†	1439.6	1.04299	mg/L	0.003238	1.04299	mg/L	0.003238	0.31%
QC value within limits for Sb 206.836 Recovery = 104.30%								
Se 196.026†	1264.2	0.911287	mg/L	0.0054010	0.911287	mg/L	0.0054010	0.59%
QC value within limits for Se 196.026 Recovery = 91.13%								
Sn 189.927†	-16.3	-0.0024575	mg/L	0.00069809	-0.0024575	mg/L	0.00069809	28.41%
Ti 334.940†	1318.1	0.0016252	mg/L	0.00006848	0.0016252	mg/L	0.00006848	4.21%
Tl 190.801†	1025.7	0.944892	mg/L	0.0014061	0.944892	mg/L	0.0014061	0.15%
QC value within limits for Tl 190.801 Recovery = 94.49%								
V 290.880†	83525.4	0.475982	mg/L	0.0001507	0.475982	mg/L	0.0001507	0.03%
QC value within limits for V 290.880 Recovery = 95.20%								
Zn 206.200†	35685.5	0.904979	mg/L	0.0020111	0.904979	mg/L	0.0020111	0.22%
QC value within limits for Zn 206.200 Recovery = 90.50%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3350 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 3/1/2011 1:39:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3350 (1)

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1293576.2	102	%	0.3				0.32%
Y 371.029	514422.5	102	%	0.3				0.31%
Ag 328.068†	-68.3	-0.0001072	mg/L	0.00033726	-0.0001072	mg/L	0.00033726	314.50%
Al 308.215†	1929.3	0.0028540	mg/L	0.00013417	0.0028540	mg/L	0.00013417	4.70%
As 188.979†	-1.8	-0.0000235	mg/L	0.00190269	-0.0000235	mg/L	0.00190269	>999.9%
Ba 233.527†	133.7	0.0001866	mg/L	0.00005739	0.0001866	mg/L	0.00005739	30.75%
Be 313.107†	-199.3	0.0007944	mg/L	0.00002437	0.0007944	mg/L	0.00002437	3.07%
Ca 315.887†	53177.1	0.482744	mg/L	0.0058622	0.482744	mg/L	0.0058622	1.21%
Cd 228.802†	-74.2	-0.0002096	mg/L	0.00003930	-0.0002096	mg/L	0.00003930	18.75%
Co 228.616†	11.9	0.0004920	mg/L	0.00008164	0.0004920	mg/L	0.00008164	16.59%
Cr 267.716†	35.0	0.0010306	mg/L	0.00014995	0.0010306	mg/L	0.00014995	14.55%
Cu 327.393†	-300.7	0.0007291	mg/L	0.00011152	0.0007291	mg/L	0.00011152	15.30%
Fe 273.955†	127.3	0.0313456	mg/L	0.00007010	0.0313456	mg/L	0.00007010	0.22%
K 404.721†	-36.8	-2.68053	mg/L	1.961248	-2.68053	mg/L	1.961248	73.17%
Mg 279.077†	680.4	0.111826	mg/L	0.0007565	0.111826	mg/L	0.0007565	0.68%
Mn 257.610†	679.9	0.0012500	mg/L	0.00000311	0.0012500	mg/L	0.00000311	0.25%
Mo 202.031†	8.5	0.0005050	mg/L	0.00014603	0.0005050	mg/L	0.00014603	28.92%
Na 330.237†	-32105.2						70.52	0.22%
Ni 231.604†	25.9	0.0002700	mg/L	0.00025160	0.0002700	mg/L	0.00025160	93.18%
Pb 220.353†	-41.9	-0.0014446	mg/L	0.00090472	-0.0014446	mg/L	0.00090472	62.63%
Sb 206.836†	0.4	0.0003125	mg/L	0.00238770	0.0003125	mg/L	0.00238770	764.19%
Se 196.026†	4.0	0.0013133	mg/L	0.00279598	0.0013133	mg/L	0.00279598	212.90%
Sn 189.927†	-1.7	-0.0007310	mg/L	0.00117277	-0.0007310	mg/L	0.00117277	160.43%
Ti 334.940†	316.2	0.0004170	mg/L	0.00000954	0.0004170	mg/L	0.00000954	2.29%
Tl 190.801†	-2.2	-0.0015501	mg/L	0.00199751	-0.0015501	mg/L	0.00199751	128.86%
V 290.880†	433.2	-0.0015181	mg/L	0.00026490	-0.0015181	mg/L	0.00026490	17.45%
Zn 206.200†	185.6	0.0054419	mg/L	0.00007362	0.0054419	mg/L	0.00007362	1.35%

Sequence No.: 12
Sample ID: LCSW
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 3/1/2011 1:42:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1266579.3	100	%	1.3				1.31%
Y 371.029	503267.3	99.8	%	1.17				1.17%
Ag 328.068†	10991.2	0.0819153	mg/L	0.00184064	0.0819153	mg/L	0.00184064	2.25%
Al 308.215†	125627.7	4.27282	mg/L	0.122559	4.27282	mg/L	0.122559	2.87%
As 188.979†	591.5	0.430178	mg/L	0.0046184	0.430178	mg/L	0.0046184	1.07%
Ba 233.527†	73398.0	0.459337	mg/L	0.0108594	0.459337	mg/L	0.0108594	2.36%
Be 313.107†	1537203.9	0.427752	mg/L	0.0079890	0.427752	mg/L	0.0079890	1.87%
Ca 315.887†	5142207.3	45.0182	mg/L	0.81357	45.0182	mg/L	0.81357	1.81%
Cd 228.802†	22003.2	0.428486	mg/L	0.0105026	0.428486	mg/L	0.0105026	2.45%
Co 228.616†	18323.2	0.447315	mg/L	0.0104756	0.447315	mg/L	0.0104756	2.34%
Cr 267.716†	39548.7	0.448860	mg/L	0.0116622	0.448860	mg/L	0.0116622	2.60%
Cu 327.393†	65817.2	0.423055	mg/L	0.0111598	0.423055	mg/L	0.0111598	2.64%
Fe 273.955†	58583.2	4.36578	mg/L	0.103701	4.36578	mg/L	0.103701	2.38%
K 404.721†	1415.2	41.2729	mg/L	4.23850	41.2729	mg/L	4.23850	10.27%
Mg 279.077†	828369.6	43.8749	mg/L	0.80763	43.8749	mg/L	0.80763	1.84%
Mn 257.610†	206308.1	0.439050	mg/L	0.0105213	0.439050	mg/L	0.0105213	2.40%
Mo 202.031†	6622.8	0.450409	mg/L	0.0113786	0.450409	mg/L	0.0113786	2.53%
Na 330.237†	2517.2						888.76	35.31%
Ni 231.604†	24734.6	0.447939	mg/L	0.0115079	0.447939	mg/L	0.0115079	2.57%
Pb 220.353†	5393.1	0.450867	mg/L	0.0096228	0.450867	mg/L	0.0096228	2.13%
Sb 206.836†	667.4	0.448803	mg/L	0.0081416	0.448803	mg/L	0.0081416	1.81%
Se 196.026†	583.7	0.419375	mg/L	0.0133520	0.419375	mg/L	0.0133520	3.18%
Sn 189.927†	1362.3	0.471336	mg/L	0.0113857	0.471336	mg/L	0.0113857	2.42%
Ti 334.940†	372860.8	0.449657	mg/L	0.0084336	0.449657	mg/L	0.0084336	1.88%
Tl 190.801†	510.7	0.464846	mg/L	0.0096145	0.464846	mg/L	0.0096145	2.07%
V 290.880†	73965.6	0.437955	mg/L	0.0117052	0.437955	mg/L	0.0117052	2.67%
Zn 206.200†	17836.5	0.454812	mg/L	0.0114826	0.454812	mg/L	0.0114826	2.52%

Sequence No.: 13
Sample ID: LCSW MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 3/1/2011 1:46:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1281536.5	102	%	0.8				0.79%
Y 371.029	513798.6	102	%	0.7				0.68%
Ag 328.068†	11031.2	0.0822198	mg/L	0.00181743	0.0822198	mg/L	0.00181743	2.21%
Al 308.215†	125398.7	4.26504	mg/L	0.106988	4.26504	mg/L	0.106988	2.51%
As 188.979†	598.7	0.435440	mg/L	0.0051034	0.435440	mg/L	0.0051034	1.17%
Ba 233.527†	74539.7	0.466492	mg/L	0.0104418	0.466492	mg/L	0.0104418	2.24%
Be 313.107†	1554156.1	0.432465	mg/L	0.0055854	0.432465	mg/L	0.0055854	1.29%
Ca 315.887†	5213126.8	45.6388	mg/L	0.53137	45.6388	mg/L	0.53137	1.16%
Cd 228.802†	22341.1	0.435047	mg/L	0.0105330	0.435047	mg/L	0.0105330	2.42%
Co 228.616†	18586.0	0.453705	mg/L	0.0107041	0.453705	mg/L	0.0107041	2.36%
Cr 267.716†	40253.0	0.456768	mg/L	0.0110766	0.456768	mg/L	0.0110766	2.42%
Cu 327.393†	65987.5	0.424138	mg/L	0.0100534	0.424138	mg/L	0.0100534	2.37%
Fe 273.955†	59119.8	4.40573	mg/L	0.102482	4.40573	mg/L	0.102482	2.33%
K 404.721†	1453.2	42.4214	mg/L	1.30262	42.4214	mg/L	1.30262	3.07%
Mg 279.077†	844815.8	44.7442	mg/L	0.53250	44.7442	mg/L	0.53250	1.19%
Mn 257.610†	207531.8	0.441625	mg/L	0.0102365	0.441625	mg/L	0.0102365	2.32%
Mo 202.031†	6530.4	0.444094	mg/L	0.0051797	0.444094	mg/L	0.0051797	1.17%
Na 330.237†	-2791.9						712.20	25.51%
Ni 231.604†	25199.9	0.456359	mg/L	0.0111935	0.456359	mg/L	0.0111935	2.45%
Pb 220.353†	5447.8	0.455378	mg/L	0.0048058	0.455378	mg/L	0.0048058	1.06%
Sb 206.836†	667.5	0.448871	mg/L	0.0062957	0.448871	mg/L	0.0062957	1.40%
Se 196.026†	603.5	0.433613	mg/L	0.0126897	0.433613	mg/L	0.0126897	2.93%
Sn 189.927†	1362.2	0.471307	mg/L	0.0098898	0.471307	mg/L	0.0098898	2.10%
Ti 334.940†	370175.9	0.446419	mg/L	0.0061023	0.446419	mg/L	0.0061023	1.37%
Tl 190.801†	509.7	0.463946	mg/L	0.0044122	0.463946	mg/L	0.0044122	0.95%
V 290.880†	74240.2	0.439571	mg/L	0.0109441	0.439571	mg/L	0.0109441	2.49%
Zn 206.200†	18298.3	0.466580	mg/L	0.0114825	0.466580	mg/L	0.0114825	2.46%

Sequence No.: 14
Sample ID: 57098-010
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 3/1/2011 1:50:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1314384.2	104	%	0.6				0.58%
Y 371.029	532236.3	106	%	0.5				0.52%
Ag 328.068†	-34.4	0.0001441	mg/L	0.00001934	0.0001441	mg/L	0.00001934	13.42%
Al 308.215†	5942.6	0.141691	mg/L	0.0047300	0.141691	mg/L	0.0047300	3.34%
As 188.979†	-1.0	0.0004989	mg/L	0.00014736	0.0004989	mg/L	0.00014736	29.53%
Ba 233.527†	932.9	0.0051953	mg/L	0.00007889	0.0051953	mg/L	0.00007889	1.52%
Be 313.107†	-331.1	0.0007575	mg/L	0.00000355	0.0007575	mg/L	0.00000355	0.47%
Ca 315.887†	703107.5	6.17045	mg/L	0.096388	6.17045	mg/L	0.096388	1.56%
Cd 228.802†	-103.4	-0.0007777	mg/L	0.00006162	-0.0007777	mg/L	0.00006162	7.92%
Co 228.616†	15.2	0.0005779	mg/L	0.00019511	0.0005779	mg/L	0.00019511	33.77%
Cr 267.716†	84.3	0.0015936	mg/L	0.00002266	0.0015936	mg/L	0.00002266	1.42%
Cu 327.393†	-576.1	-0.0011202	mg/L	0.00012398	-0.0011202	mg/L	0.00012398	11.07%
Fe 273.955†	105.3	0.0297587	mg/L	0.00010042	0.0297587	mg/L	0.00010042	0.34%
K 404.721†	-20.1	-2.17707	mg/L	0.113694	-2.17707	mg/L	0.113694	5.22%
Mg 279.077†	2420.0	0.203815	mg/L	0.0018462	0.203815	mg/L	0.0018462	0.91%
Mn 257.610†	910.2	0.0017383	mg/L	0.00000092	0.0017383	mg/L	0.00000092	0.05%
Mo 202.031†	31.0	0.0019010	mg/L	0.00031453	0.0019010	mg/L	0.00031453	16.55%
Na 330.237†	-38495.6						117.61	0.31%
Ni 231.604†	21.6	0.0001947	mg/L	0.00000845	0.0001947	mg/L	0.00000845	4.34%
Pb 220.353†	-42.9	-0.0015221	mg/L	0.00001860	-0.0015221	mg/L	0.00001860	1.22%
Sb 206.836†	2.6	0.0017710	mg/L	0.00087214	0.0017710	mg/L	0.00087214	49.25%
Se 196.026†	8.9	0.0048408	mg/L	0.00387756	0.0048408	mg/L	0.00387756	80.10%
Sn 189.927†	-2.1	-0.0007472	mg/L	0.00040902	-0.0007472	mg/L	0.00040902	54.74%
Ti 334.940†	600.4	0.0007597	mg/L	0.00003120	0.0007597	mg/L	0.00003120	4.11%
Tl 190.801†	-2.6	-0.0018422	mg/L	0.00015557	-0.0018422	mg/L	0.00015557	8.44%
V 290.880†	225.4	-0.0027647	mg/L	0.00036773	-0.0027647	mg/L	0.00036773	13.30%
Zn 206.200†	90.5	0.0030490	mg/L	0.00009599	0.0030490	mg/L	0.00009599	3.15%

Sequence No.: 15
Sample ID: 57098-010 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 3/1/2011 1:53:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 MR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1315540.3	104	%	0.7				0.70%
Y 371.029	533043.7	106	%	0.7				0.65%
Ag 328.068†	-114.3	-0.0004522	mg/L	0.00041005	-0.0004522	mg/L	0.00041005	90.67%
Al 308.215†	5426.0	0.123839	mg/L	0.0062816	0.123839	mg/L	0.0062816	5.07%
As 188.979†	-4.0	-0.0016779	mg/L	0.00009723	-0.0016779	mg/L	0.00009723	5.80%
Ba 233.527†	863.1	0.0047581	mg/L	0.00004330	0.0047581	mg/L	0.00004330	0.91%
Be 313.107†	-396.6	0.0007393	mg/L	0.00000433	0.0007393	mg/L	0.00000433	0.59%
Ca 315.887†	681683.7	5.98297	mg/L	0.071976	5.98297	mg/L	0.071976	1.20%
Cd 228.802†	-112.3	-0.0009509	mg/L	0.00016447	-0.0009509	mg/L	0.00016447	17.30%
Co 228.616†	11.0	0.0004738	mg/L	0.00000284	0.0004738	mg/L	0.00000284	0.60%
Cr 267.716†	55.1	0.0012600	mg/L	0.00009668	0.0012600	mg/L	0.00009668	7.67%
Cu 327.393†	-658.4	-0.0016439	mg/L	0.00048559	-0.0016439	mg/L	0.00048559	29.54%
Fe 273.955†	8.4	0.0225932	mg/L	0.00088439	0.0225932	mg/L	0.00088439	3.91%
K 404.721†	23.3	-0.862524	mg/L	3.0270604	-0.862524	mg/L	3.0270604	350.95%
Mg 279.077†	2222.4	0.193356	mg/L	0.0021538	0.193356	mg/L	0.0021538	1.11%
Mn 257.610†	1114.3	0.0021743	mg/L	0.00001071	0.0021743	mg/L	0.00001071	0.49%
Mo 202.031†	16.4	0.0009075	mg/L	0.00007263	0.0009075	mg/L	0.00007263	8.00%
Na 330.237†	-39101.5						173.22	0.44%
Ni 231.604†	21.1	0.0001837	mg/L	0.00000796	0.0001837	mg/L	0.00000796	4.33%
Pb 220.353†	-44.6	-0.0016621	mg/L	0.00141056	-0.0016621	mg/L	0.00141056	84.86%
Sb 206.836†	-0.1	-0.0000347	mg/L	0.00209231	-0.0000347	mg/L	0.00209231	>999.9%
Se 196.026†	4.2	0.0014676	mg/L	0.00055209	0.0014676	mg/L	0.00055209	37.62%
Sn 189.927†	-4.1	-0.0014375	mg/L	0.00077508	-0.0014375	mg/L	0.00077508	53.92%
Ti 334.940†	530.8	0.0006759	mg/L	0.00008535	0.0006759	mg/L	0.00008535	12.63%
Tl 190.801†	-0.9	-0.0003208	mg/L	0.00134127	-0.0003208	mg/L	0.00134127	418.10%
V 290.880†	191.4	-0.0029682	mg/L	0.00066460	-0.0029682	mg/L	0.00066460	22.39%
Zn 206.200†	98.4	0.0032512	mg/L	0.00014903	0.0032512	mg/L	0.00014903	4.58%

Sequence No.: 16
Sample ID: 57098-010 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 3/1/2011 1:57:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 SPLP SPK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1291384.3	102	%	0.1				0.12%
Y 371.029	520836.5	103	%	0.2				0.16%
Ag 328.068†	11314.7	0.0843237	mg/L	0.00023520	0.0843237	mg/L	0.00023520	0.28%
Al 308.215†	132833.8	4.52209	mg/L	0.041062	4.52209	mg/L	0.041062	0.91%
As 188.979†	618.7	0.449837	mg/L	0.0000886	0.449837	mg/L	0.0000886	0.02%
Ba 233.527†	779412.8	4.88441	mg/L	0.064649	4.88441	mg/L	0.064649	1.32%
Be 313.107†	1601621.0	0.445648	mg/L	0.0060862	0.445648	mg/L	0.0060862	1.37%
Ca 315.887†	6057099.1	53.0246	mg/L	0.75065	53.0246	mg/L	0.75065	1.42%
Cd 228.802†	22976.7	0.447389	mg/L	0.0033126	0.447389	mg/L	0.0033126	0.74%
Co 228.616†	19052.9	0.465095	mg/L	0.0028557	0.465095	mg/L	0.0028557	0.61%
Cr 267.716†	41566.4	0.471630	mg/L	0.0034675	0.471630	mg/L	0.0034675	0.74%
Cu 327.393†	67651.6	0.434672	mg/L	0.0033822	0.434672	mg/L	0.0033822	0.78%
Fe 273.955†	60913.9	4.53887	mg/L	0.034400	4.53887	mg/L	0.034400	0.76%
K 404.721†	1416.6	41.3132	mg/L	0.05828	41.3132	mg/L	0.05828	0.14%
Mg 279.077†	875365.3	46.3594	mg/L	0.67550	46.3594	mg/L	0.67550	1.46%
Mn 257.610†	213905.6	0.455181	mg/L	0.0032920	0.455181	mg/L	0.0032920	0.72%
Mo 202.031†	6679.3	0.454070	mg/L	0.0003996	0.454070	mg/L	0.0003996	0.09%
Na 330.237†	-2812.1						412.94	14.68%
Ni 231.604†	25930.7	0.469597	mg/L	0.0025477	0.469597	mg/L	0.0025477	0.54%
Pb 220.353†	58798.0	4.88439	mg/L	0.031400	4.88439	mg/L	0.031400	0.64%
Sb 206.836†	692.0	0.465316	mg/L	0.0007037	0.465316	mg/L	0.0007037	0.15%
Se 196.026†	613.6	0.440895	mg/L	0.0027438	0.440895	mg/L	0.0027438	0.62%
Sn 189.927†	1414.1	0.489369	mg/L	0.0021762	0.489369	mg/L	0.0021762	0.44%
Ti 334.940†	379904.2	0.458150	mg/L	0.0064996	0.458150	mg/L	0.0064996	1.42%
Tl 190.801†	527.5	0.480136	mg/L	0.0008599	0.480136	mg/L	0.0008599	0.18%
V 290.880†	76242.6	0.451527	mg/L	0.0033656	0.451527	mg/L	0.0033656	0.75%
Zn 206.200†	18769.0	0.478593	mg/L	0.0033555	0.478593	mg/L	0.0033555	0.70%

Sequence No.: 17
Sample ID: 57098-010 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 3/1/2011 2:00:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 PS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1292519.3	102	%	0.7				0.68%
Y 371.029	522048.0	103	%	0.6				0.59%
Ag 328.068†	10339.9	0.0770147	mg/L	0.00031438	0.0770147	mg/L	0.00031438	0.41%
Al 308.215†	137853.8	4.69527	mg/L	0.032999	4.69527	mg/L	0.032999	0.70%
As 188.979†	654.1	0.475541	mg/L	0.0066161	0.475541	mg/L	0.0066161	1.39%
Ba 233.527†	810903.9	5.08178	mg/L	0.072878	5.08178	mg/L	0.072878	1.43%
Be 313.107†	1676597.9	0.466472	mg/L	0.0066901	0.466472	mg/L	0.0066901	1.43%
Ca 315.887†	6285293.3	55.0216	mg/L	0.77995	55.0216	mg/L	0.77995	1.42%
Cd 228.802†	23959.1	0.466465	mg/L	0.0023133	0.466465	mg/L	0.0023133	0.50%
Co 228.616†	19817.0	0.483753	mg/L	0.0027108	0.483753	mg/L	0.0027108	0.56%
Cr 267.716†	43232.3	0.490528	mg/L	0.0033068	0.490528	mg/L	0.0033068	0.67%
Cu 327.393†	70262.2	0.451343	mg/L	0.0030507	0.451343	mg/L	0.0030507	0.68%
Fe 273.955†	63190.4	4.70787	mg/L	0.020308	4.70787	mg/L	0.020308	0.43%
K 404.721†	1570.5	45.9723	mg/L	0.69919	45.9723	mg/L	0.69919	1.52%
Mg 279.077†	917758.4	48.6009	mg/L	0.68266	48.6009	mg/L	0.68266	1.40%
Mn 257.610†	222395.8	0.473239	mg/L	0.0016777	0.473239	mg/L	0.0016777	0.35%
Mo 202.031†	7013.6	0.476812	mg/L	0.0051106	0.476812	mg/L	0.0051106	1.07%
Na 330.237†	-1912.0						451.35	23.61%
Ni 231.604†	26883.6	0.486866	mg/L	0.0018155	0.486866	mg/L	0.0018155	0.37%
Pb 220.353†	60357.4	5.01390	mg/L	0.010372	5.01390	mg/L	0.010372	0.21%
Sb 206.836†	725.7	0.487992	mg/L	0.0022953	0.487992	mg/L	0.0022953	0.47%
Se 196.026†	649.7	0.466936	mg/L	0.0016865	0.466936	mg/L	0.0016865	0.36%
Sn 189.927†	1483.5	0.513378	mg/L	0.0058584	0.513378	mg/L	0.0058584	1.14%
Ti 334.940†	395841.1	0.477368	mg/L	0.0072611	0.477368	mg/L	0.0072611	1.52%
Tl 190.801†	563.2	0.512495	mg/L	0.0039140	0.512495	mg/L	0.0039140	0.76%
V 290.880†	79064.8	0.468381	mg/L	0.0022948	0.468381	mg/L	0.0022948	0.49%
Zn 206.200†	19644.2	0.500877	mg/L	0.0015250	0.500877	mg/L	0.0015250	0.30%

Sequence No.: 18
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/1/2011 2:04:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1282971.4	102	%	0.9				0.89%
Y 371.029	518372.1	103	%	0.9				0.85%
Ag 328.068†	12276.7	0.0914645	mg/L	0.00153922	0.0914645	mg/L	0.00153922	1.68%
QC value within limits for Ag 328.068 Recovery = 91.46%								
Al 308.215†	139894.6	4.76561	mg/L	0.103764	4.76561	mg/L	0.103764	2.18%
QC value within limits for Al 308.215 Recovery = 95.31%								
As 188.979†	665.9	0.484160	mg/L	0.0081172	0.484160	mg/L	0.0081172	1.68%
QC value within limits for As 188.979 Recovery = 96.83%								
Ba 233.527†	82410.6	0.515820	mg/L	0.0098724	0.515820	mg/L	0.0098724	1.91%
QC value within limits for Ba 233.527 Recovery = 103.16%								
Be 313.107†	1728217.9	0.480808	mg/L	0.0072563	0.480808	mg/L	0.0072563	1.51%
QC value within limits for Be 313.107 Recovery = 96.16%								
Ca 315.887†	5783957.0	50.6343	mg/L	0.71817	50.6343	mg/L	0.71817	1.42%
QC value within limits for Ca 315.887 Recovery = 101.27%								
Cd 228.802†	24886.1	0.484466	mg/L	0.0097997	0.484466	mg/L	0.0097997	2.02%
QC value within limits for Cd 228.802 Recovery = 96.89%								
Co 228.616†	20416.4	0.498370	mg/L	0.0103273	0.498370	mg/L	0.0103273	2.07%
QC value within limits for Co 228.616 Recovery = 99.67%								
Cr 267.716†	44857.5	0.508914	mg/L	0.0097948	0.508914	mg/L	0.0097948	1.92%
QC value within limits for Cr 267.716 Recovery = 101.78%								
Cu 327.393†	72926.7	0.468458	mg/L	0.0094616	0.468458	mg/L	0.0094616	2.02%
QC value within limits for Cu 327.393 Recovery = 93.69%								
Fe 273.955†	65493.0	4.87846	mg/L	0.092061	4.87846	mg/L	0.092061	1.89%
QC value within limits for Fe 273.955 Recovery = 97.57%								
K 404.721†	1612.1	47.2313	mg/L	2.18319	47.2313	mg/L	2.18319	4.62%
QC value within limits for K 404.721 Recovery = 94.46%								
Mg 279.077†	943447.8	49.9591	mg/L	0.71970	49.9591	mg/L	0.71970	1.44%
QC value within limits for Mg 279.077 Recovery = 99.92%								
Mn 257.610†	229522.2	0.488418	mg/L	0.0094320	0.488418	mg/L	0.0094320	1.93%
QC value within limits for Mn 257.610 Recovery = 97.68%								
Mo 202.031†	7189.6	0.488922	mg/L	0.0060442	0.488922	mg/L	0.0060442	1.24%
QC value within limits for Mo 202.031 Recovery = 97.78%								
Na 330.237†	-1345.0						865.54	64.35%
Unable to evaluate QC.								
Ni 231.604†	27992.8	0.506956	mg/L	0.0092435	0.506956	mg/L	0.0092435	1.82%
QC value within limits for Ni 231.604 Recovery = 101.39%								
Pb 220.353†	6145.6	0.513414	mg/L	0.0040055	0.513414	mg/L	0.0040055	0.78%
QC value within limits for Pb 220.353 Recovery = 102.68%								
Sb 206.836†	748.5	0.503297	mg/L	0.0045158	0.503297	mg/L	0.0045158	0.90%
QC value within limits for Sb 206.836 Recovery = 100.66%								
Se 196.026†	670.8	0.482143	mg/L	0.0062378	0.482143	mg/L	0.0062378	1.29%
QC value within limits for Se 196.026 Recovery = 96.43%								
Sn 189.927†	1500.6	0.519215	mg/L	0.0028631	0.519215	mg/L	0.0028631	0.55%
QC value within limits for Sn 189.927 Recovery = 103.84%								
Ti 334.940†	407520.8	0.491452	mg/L	0.0076844	0.491452	mg/L	0.0076844	1.56%
QC value within limits for Ti 334.940 Recovery = 98.29%								
Tl 190.801†	562.2	0.511685	mg/L	0.0053080	0.511685	mg/L	0.0053080	1.04%
QC value within limits for Tl 190.801 Recovery = 102.34%								
V 290.880†	82015.3	0.486022	mg/L	0.0102412	0.486022	mg/L	0.0102412	2.11%
QC value within limits for V 290.880 Recovery = 97.20%								
Zn 206.200†	20094.4	0.512305	mg/L	0.0104566	0.512305	mg/L	0.0104566	2.04%
QC value within limits for Zn 206.200 Recovery = 102.46%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 3/1/2011 2:08:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1307138.2	104	%	0.9				0.84%
Y 371.029	531615.7	105	%	0.8				0.78%
Ag 328.068†	-56.2	-0.0000170	mg/L	0.00023835	-0.0000170	mg/L	0.00023835	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	902.8	-0.0326712	mg/L	0.00959225	-0.0326712	mg/L	0.00959225	29.36%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.4	0.0010080	mg/L	0.00141711	0.0010080	mg/L	0.00141711	140.59%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-136.6	-0.0015075	mg/L	0.00016363	-0.0015075	mg/L	0.00016363	10.85%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-298.7	0.0007665	mg/L	0.00002585	0.0007665	mg/L	0.00002585	3.37%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	6323.4	0.0727146	mg/L	0.00677959	0.0727146	mg/L	0.00677959	9.32%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-115.8	-0.0010177	mg/L	0.00011847	-0.0010177	mg/L	0.00011847	11.64%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	24.1	0.0007892	mg/L	0.00005916	0.0007892	mg/L	0.00005916	7.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.7	0.0005931	mg/L	0.00015496	0.0005931	mg/L	0.00015496	26.13%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-857.1	-0.0028267	mg/L	0.00007508	-0.0028267	mg/L	0.00007508	2.66%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-439.0	-0.0105070	mg/L	0.00171906	-0.0105070	mg/L	0.00171906	16.36%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	11.5	-1.21923	mg/L	2.543224	-1.21923	mg/L	2.543224	208.59%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-575.6	0.0454355	mg/L	0.00296687	0.0454355	mg/L	0.00296687	6.53%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-516.4	-0.0013054	mg/L	0.00007826	-0.0013054	mg/L	0.00007826	6.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	12.3	0.0007724	mg/L	0.00019604	0.0007724	mg/L	0.00019604	25.38%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-41391.5						226.69	0.55%
Unable to evaluate QC.								
Ni 231.604†	10.1	-0.0000150	mg/L	0.00011146	-0.0000150	mg/L	0.00011146	742.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-40.8	-0.0013498	mg/L	0.00049053	-0.0013498	mg/L	0.00049053	36.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.9	0.0012608	mg/L	0.00211373	0.0012608	mg/L	0.00211373	167.65%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.4	0.0022996	mg/L	0.00334521	0.0022996	mg/L	0.00334521	145.47%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.2	-0.0002119	mg/L	0.00031690	-0.0002119	mg/L	0.00031690	149.56%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	282.6	0.0003766	mg/L	0.00001227	0.0003766	mg/L	0.00001227	3.26%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.4	-0.0017057	mg/L	0.00042180	-0.0017057	mg/L	0.00042180	24.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	156.9	-0.0031700	mg/L	0.00010439	-0.0031700	mg/L	0.00010439	3.29%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-219.8	-0.0048861	mg/L	0.00004652	-0.0048861	mg/L	0.00004652	0.95%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 20
Sample ID: 57098-010 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 3/1/2011 2:11:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 SD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1324177.7	105	%	0.3				0.32%
Y 371.029	538636.4	107	%	0.4				0.34%
Ag 328.068†	-48.6	0.0000398	mg/L	0.00006639	0.0000398	mg/L	0.00006639	166.64%
Al 308.215†	1589.7	-0.0089051	mg/L	0.00346907	-0.0089051	mg/L	0.00346907	38.96%
As 188.979†	-1.1	0.0004334	mg/L	0.00014073	0.0004334	mg/L	0.00014073	32.47%
Ba 233.527†	81.2	-0.0001425	mg/L	0.00006750	-0.0001425	mg/L	0.00006750	47.37%
Be 313.107†	-390.1	0.0007411	mg/L	0.00000172	0.0007411	mg/L	0.00000172	0.23%
Ca 315.887†	141905.5	1.25923	mg/L	0.010886	1.25923	mg/L	0.010886	0.86%
Cd 228.802†	-107.7	-0.0008601	mg/L	0.00000542	-0.0008601	mg/L	0.00000542	0.63%
Co 228.616†	13.7	0.0005364	mg/L	0.00001704	0.0005364	mg/L	0.00001704	3.18%
Cr 267.716†	18.0	0.0008381	mg/L	0.00002552	0.0008381	mg/L	0.00002552	3.05%
Cu 327.393†	-875.1	-0.0029598	mg/L	0.00014941	-0.0029598	mg/L	0.00014941	5.05%
Fe 273.955†	-346.4	-0.0036606	mg/L	0.00216323	-0.0036606	mg/L	0.00216323	59.10%
K 404.721†	-37.9	-2.71378	mg/L	2.831480	-2.71378	mg/L	2.831480	104.34%
Mg 279.077†	-88.8	0.0711695	mg/L	0.00172643	0.0711695	mg/L	0.00172643	2.43%
Mn 257.610†	-290.8	-0.0008241	mg/L	0.00002159	-0.0008241	mg/L	0.00002159	2.62%
Mo 202.031†	12.6	0.0007665	mg/L	0.00018212	0.0007665	mg/L	0.00018212	23.76%
Na 330.237†	-41562.7						40.67	0.10%
Ni 231.604†	17.0	0.0001091	mg/L	0.00010713	0.0001091	mg/L	0.00010713	98.15%
Pb 220.353†	-41.3	-0.0013949	mg/L	0.00020229	-0.0013949	mg/L	0.00020229	14.50%
Sb 206.836†	1.6	0.0010621	mg/L	0.00166971	0.0010621	mg/L	0.00166971	157.21%
Se 196.026†	2.4	0.0001565	mg/L	0.00464228	0.0001565	mg/L	0.00464228	>999.9%
Sn 189.927†	-3.0	-0.0011593	mg/L	0.00102907	-0.0011593	mg/L	0.00102907	88.76%
Ti 334.940†	258.4	0.0003474	mg/L	0.00001400	0.0003474	mg/L	0.00001400	4.03%
Tl 190.801†	-1.0	-0.0003863	mg/L	0.00224948	-0.0003863	mg/L	0.00224948	582.36%
V 290.880†	-18.1	-0.0042189	mg/L	0.00035649	-0.0042189	mg/L	0.00035649	8.45%
Zn 206.200†	-163.7	-0.0034505	mg/L	0.00028022	-0.0034505	mg/L	0.00028022	8.12%

Sequence No.: 21
Sample ID: 57100-011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 3/1/2011 2:15:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-011

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1340124.5	106	%	0.2				0.21%
Y 371.029	546141.6	108	%	0.2				0.14%
Ag 328.068†	-104.8	-0.0003827	mg/L	0.00022833	-0.0003827	mg/L	0.00022833	59.66%
Al 308.215†	5102.7	0.112645	mg/L	0.0035375	0.112645	mg/L	0.0035375	3.14%
As 188.979†	-2.2	-0.0003569	mg/L	0.00114286	-0.0003569	mg/L	0.00114286	320.24%
Ba 233.527†	936.1	0.0052155	mg/L	0.00007783	0.0052155	mg/L	0.00007783	1.49%
Be 313.107†	-359.9	0.0007496	mg/L	0.00000523	0.0007496	mg/L	0.00000523	0.70%
Ca 315.887†	731118.6	6.41559	mg/L	0.074151	6.41559	mg/L	0.074151	1.16%
Cd 228.802†	-125.1	-0.0011991	mg/L	0.00001201	-0.0011991	mg/L	0.00001201	1.00%
Co 228.616†	5.1	0.0003276	mg/L	0.00000599	0.0003276	mg/L	0.00000599	1.83%
Cr 267.716†	209.4	0.0030056	mg/L	0.00007539	0.0030056	mg/L	0.00007539	2.51%
Cu 327.393†	-695.8	-0.0018900	mg/L	0.00083658	-0.0018900	mg/L	0.00083658	44.26%
Fe 273.955†	570.4	0.0640953	mg/L	0.00026741	0.0640953	mg/L	0.00026741	0.42%
K 404.721†	93.1	1.25195	mg/L	4.215558	1.25195	mg/L	4.215558	336.72%
Mg 279.077†	1344.0	0.146921	mg/L	0.0020556	0.146921	mg/L	0.0020556	1.40%
Mn 257.610†	3280.4	0.0068075	mg/L	0.00001756	0.0068075	mg/L	0.00001756	0.26%
Mo 202.031†	21.0	0.0012096	mg/L	0.00039315	0.0012096	mg/L	0.00039315	32.50%
Na 330.237†	-41151.1						75.24	0.18%
Ni 231.604†	40.1	0.0005279	mg/L	0.00008907	0.0005279	mg/L	0.00008907	16.87%
Pb 220.353†	-40.2	-0.0013018	mg/L	0.00087123	-0.0013018	mg/L	0.00087123	66.92%
Sb 206.836†	-0.4	-0.0002685	mg/L	0.00199885	-0.0002685	mg/L	0.00199885	744.42%
Se 196.026†	1.9	-0.0002078	mg/L	0.00057805	-0.0002078	mg/L	0.00057805	278.22%
Sn 189.927†	-1.2	-0.0004166	mg/L	0.00071704	-0.0004166	mg/L	0.00071704	172.13%
Ti 334.940†	910.3	0.0011335	mg/L	0.00007530	0.0011335	mg/L	0.00007530	6.64%
Tl 190.801†	-3.6	-0.0027564	mg/L	0.00004113	-0.0027564	mg/L	0.00004113	1.49%
V 290.880†	-7.9	-0.0041621	mg/L	0.00056932	-0.0041621	mg/L	0.00056932	13.68%
Zn 206.200†	321.7	0.0089386	mg/L	0.00005435	0.0089386	mg/L	0.00005435	0.61%

Sequence No.: 22
Sample ID: EF DI BLANK 2/20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 3/1/2011 2:19:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: EF DI BLANK 2/20

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1346547.7	107	%	0.1				0.08%
Y 371.029	552469.1	110	%	0.0				0.02%
Ag 328.068†	-105.3	-0.0003846	mg/L	0.00011325	-0.0003846	mg/L	0.00011325	29.44%
Al 308.215†	122.1	-0.0596785	mg/L	0.00119139	-0.0596785	mg/L	0.00119139	2.00%
As 188.979†	-3.2	-0.0010638	mg/L	0.00050930	-0.0010638	mg/L	0.00050930	47.88%
Ba 233.527†	-25.4	-0.0008104	mg/L	0.00005285	-0.0008104	mg/L	0.00005285	6.52%
Be 313.107†	-455.3	0.0007232	mg/L	0.00003166	0.0007232	mg/L	0.00003166	4.38%
Ca 315.887†	42643.2	0.390558	mg/L	0.0035119	0.390558	mg/L	0.0035119	0.90%
Cd 228.802†	-118.2	-0.0010634	mg/L	0.00019295	-0.0010634	mg/L	0.00019295	18.14%
Co 228.616†	8.4	0.0004053	mg/L	0.00008923	0.0004053	mg/L	0.00008923	22.02%
Cr 267.716†	25.6	0.0009251	mg/L	0.00009023	0.0009251	mg/L	0.00009023	9.75%
Cu 327.393†	-960.1	-0.0034911	mg/L	0.00059609	-0.0034911	mg/L	0.00059609	17.07%
Fe 273.955†	79.0	0.0277684	mg/L	0.00039950	0.0277684	mg/L	0.00039950	1.44%
K 404.721†	77.0	0.764639	mg/L	1.6779368	0.764639	mg/L	1.6779368	219.44%
Mg 279.077†	75.3	0.0798391	mg/L	0.00210878	0.0798391	mg/L	0.00210878	2.64%
Mn 257.610†	1535.0	0.0030786	mg/L	0.00003204	0.0030786	mg/L	0.00003204	1.04%
Mo 202.031†	6.1	0.0003396	mg/L	0.00016186	0.0003396	mg/L	0.00016186	47.66%
Na 330.237†	-41897.2						149.84	0.36%
Ni 231.604†	28.3	0.0003146	mg/L	0.00001602	0.0003146	mg/L	0.00001602	5.09%
Pb 220.353†	-53.1	-0.0023861	mg/L	0.00040218	-0.0023861	mg/L	0.00040218	16.86%
Sb 206.836†	0.2	0.0001169	mg/L	0.00077723	0.0001169	mg/L	0.00077723	664.94%
Se 196.026†	7.2	0.0036370	mg/L	0.00386810	0.0036370	mg/L	0.00386810	106.35%
Sn 189.927†	-4.4	-0.0016387	mg/L	0.00103445	-0.0016387	mg/L	0.00103445	63.13%
Ti 334.940†	335.5	0.0004403	mg/L	0.00000160	0.0004403	mg/L	0.00000160	0.36%
Tl 190.801†	-1.4	-0.0007925	mg/L	0.00086233	-0.0007925	mg/L	0.00086233	108.81%
V 290.880†	-147.4	-0.0049953	mg/L	0.00044453	-0.0049953	mg/L	0.00044453	8.90%
Zn 206.200†	75.8	0.0026459	mg/L	0.00038537	0.0026459	mg/L	0.00038537	14.56%

Sequence No.: 23
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/1/2011 2:22:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1188888.6	94.2	%	0.55				0.58%
Y 371.029	484184.7	96.0	%	0.59				0.62%
Ag 328.068†	-826.6	-0.0024594	mg/L	0.00010260	-0.0024594	mg/L	0.00010260	4.17%
Al 308.215†	14536447.2	502.949	mg/L	1.5350	502.949	mg/L	1.5350	0.31%
QC value within limits for Al 308.215 Recovery = 100.59%								
As 188.979†	-35.5	0.0012133	mg/L	0.00258917	0.0012133	mg/L	0.00258917	213.39%
Ba 233.527†	494.4	0.0004765	mg/L	0.00009543	0.0004765	mg/L	0.00009543	20.03%
Be 313.107†	-2928.0	0.0015146	mg/L	0.00001345	0.0015146	mg/L	0.00001345	0.89%
Ca 315.887†	55251794.0	483.540	mg/L	0.1311	483.540	mg/L	0.1311	0.03%
QC value within limits for Ca 315.887 Recovery = 96.71%								
Cd 228.802†	86.7	-0.0024519	mg/L	0.00038961	-0.0024519	mg/L	0.00038961	15.89%
Co 228.616†	-144.9	-0.0007520	mg/L	0.00006115	-0.0007520	mg/L	0.00006115	8.13%
Cr 267.716†	-251.9	0.0044264	mg/L	0.00013726	0.0044264	mg/L	0.00013726	3.10%
Cu 327.393†	-135.4	-0.0055032	mg/L	0.00006962	-0.0055032	mg/L	0.00006962	1.27%
Fe 273.955†	2485580.5	183.824	mg/L	0.1516	183.824	mg/L	0.1516	0.08%
QC value within limits for Fe 273.955 Recovery = 91.91%								
K 404.721†	-418.0	-14.2198	mg/L	1.79039	-14.2198	mg/L	1.79039	12.59%
Mg 279.077†	9546292.6	504.741	mg/L	0.3118	504.741	mg/L	0.3118	0.06%
QC value within limits for Mg 279.077 Recovery = 100.95%								
Mn 257.610†	-5121.4	-0.0257985	mg/L	0.00016805	-0.0257985	mg/L	0.00016805	0.65%
Mo 202.031†	91.6	0.0066509	mg/L	0.00082649	0.0066509	mg/L	0.00082649	12.43%
Na 330.237†	-39320.1						186.46	0.47%
Ni 231.604†	15.1	0.0000785	mg/L	0.00014745	0.0000785	mg/L	0.00014745	187.84%
Pb 220.353†	-915.0	0.0069290	mg/L	0.00182227	0.0069290	mg/L	0.00182227	26.30%
Sb 206.836†	-46.9	0.0478848	mg/L	0.00232764	0.0478848	mg/L	0.00232764	4.86%
Se 196.026†	-29.5	-0.0202132	mg/L	0.00573138	-0.0202132	mg/L	0.00573138	28.35%
Sn 189.927†	-14.1	-0.0013178	mg/L	0.00066565	-0.0013178	mg/L	0.00066565	50.51%
Ti 334.940†	1357.5	0.0016728	mg/L	0.00005419	0.0016728	mg/L	0.00005419	3.24%
Tl 190.801†	-23.6	-0.0053474	mg/L	0.00275615	-0.0053474	mg/L	0.00275615	51.54%
V 290.880†	4626.2	0.0027126	mg/L	0.00073572	0.0027126	mg/L	0.00073572	27.12%
Zn 206.200†	44.8	-0.0030230	mg/L	0.00003500	-0.0030230	mg/L	0.00003500	1.16%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/1/2011 2:28:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1190787.4	94.3	%	0.06				0.07%
Y 371.029	485378.2	96.2	%	0.11				0.12%
Ag 328.068†	126038.7	0.944822	mg/L	0.0025193	0.944822	mg/L	0.0025193	0.27%
QC value within limits for Ag 328.068 Recovery = 94.48%								
Al 308.215†	14421586.9	498.974	mg/L	0.4840	498.974	mg/L	0.4840	0.10%
QC value within limits for Al 308.215 Recovery = 99.79%								
As 188.979†	1294.3	0.966784	mg/L	0.0009315	0.966784	mg/L	0.0009315	0.10%
QC value within limits for As 188.979 Recovery = 96.68%								
Ba 233.527†	82312.6	0.513300	mg/L	0.0008812	0.513300	mg/L	0.0008812	0.17%
QC value within limits for Ba 233.527 Recovery = 102.66%								
Be 313.107†	1687689.4	0.471291	mg/L	0.0003629	0.471291	mg/L	0.0003629	0.08%
QC value within limits for Be 313.107 Recovery = 94.26%								
Ca 315.887†	54887389.6	480.351	mg/L	0.4087	480.351	mg/L	0.4087	0.09%
QC value within limits for Ca 315.887 Recovery = 96.07%								
Cd 228.802†	50083.5	0.968580	mg/L	0.0025047	0.968580	mg/L	0.0025047	0.26%
QC value within limits for Cd 228.802 Recovery = 96.86%								
Co 228.616†	18667.5	0.457786	mg/L	0.0007935	0.457786	mg/L	0.0007935	0.17%
QC value within limits for Co 228.616 Recovery = 91.56%								
Cr 267.716†	43122.1	0.493424	mg/L	0.0005775	0.493424	mg/L	0.0005775	0.12%
QC value within limits for Cr 267.716 Recovery = 98.68%								
Cu 327.393†	76061.0	0.482319	mg/L	0.0011390	0.482319	mg/L	0.0011390	0.24%
QC value within limits for Cu 327.393 Recovery = 96.46%								
Fe 273.955†	2468969.4	182.596	mg/L	0.2919	182.596	mg/L	0.2919	0.16%
QC value within limits for Fe 273.955 Recovery = 91.30%								
K 404.721†	-462.7	-15.5740	mg/L	1.16681	-15.5740	mg/L	1.16681	7.49%
Mg 279.077†	9480554.4	501.266	mg/L	0.2618	501.266	mg/L	0.2618	0.05%
QC value within limits for Mg 279.077 Recovery = 100.25%								
Mn 257.610†	218413.3	0.452006	mg/L	0.0004405	0.452006	mg/L	0.0004405	0.10%
QC value within limits for Mn 257.610 Recovery = 90.40%								
Mo 202.031†	102.4	0.0073678	mg/L	0.00013990	0.0073678	mg/L	0.00013990	1.90%
Na 330.237†	-39400.0						258.15	0.66%
Ni 231.604†	50633.6	0.916557	mg/L	0.0012196	0.916557	mg/L	0.0012196	0.13%
QC value within limits for Ni 231.604 Recovery = 91.66%								
Pb 220.353†	10721.9	0.972333	mg/L	0.0021808	0.972333	mg/L	0.0021808	0.22%
QC value within limits for Pb 220.353 Recovery = 97.23%								
Sb 206.836†	1504.7	1.08717	mg/L	0.003250	1.08717	mg/L	0.003250	0.30%
QC value within limits for Sb 206.836 Recovery = 108.72%								
Se 196.026†	1285.7	0.927517	mg/L	0.0060561	0.927517	mg/L	0.0060561	0.65%
QC value within limits for Se 196.026 Recovery = 92.75%								
Sn 189.927†	-7.1	0.0010663	mg/L	0.00056778	0.0010663	mg/L	0.00056778	53.25%
Ti 334.940†	1548.7	0.0019032	mg/L	0.00002790	0.0019032	mg/L	0.00002790	1.47%
Tl 190.801†	1024.0	0.943456	mg/L	0.0016788	0.943456	mg/L	0.0016788	0.18%
QC value within limits for Tl 190.801 Recovery = 94.35%								
V 290.880†	82839.1	0.471361	mg/L	0.0003990	0.471361	mg/L	0.0003990	0.08%
QC value within limits for V 290.880 Recovery = 94.27%								
Zn 206.200†	37586.2	0.953375	mg/L	0.0011658	0.953375	mg/L	0.0011658	0.12%
QC value within limits for Zn 206.200 Recovery = 95.34%								

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/1/2011 2:33:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1319196.5	105	%	0.9				0.87%
Y 371.029	541208.9	107	%	0.9				0.87%
Ag 328.068†	12076.0	0.0899807	mg/L	0.00058051	0.0899807	mg/L	0.00058051	0.65%
QC value less than the lower limit for Ag 328.068 Recovery = 89.98%								
Al 308.215†	138105.0	4.70399	mg/L	0.074593	4.70399	mg/L	0.074593	1.59%
QC value within limits for Al 308.215 Recovery = 94.08%								
As 188.979†	656.4	0.477302	mg/L	0.0034082	0.477302	mg/L	0.0034082	0.71%
QC value within limits for As 188.979 Recovery = 95.46%								
Ba 233.527†	81886.4	0.512535	mg/L	0.0062181	0.512535	mg/L	0.0062181	1.21%
QC value within limits for Ba 233.527 Recovery = 102.51%								
Be 313.107†	1712823.4	0.476531	mg/L	0.0088916	0.476531	mg/L	0.0088916	1.87%
QC value within limits for Be 313.107 Recovery = 95.31%								
Ca 315.887†	5752119.0	50.3557	mg/L	0.89638	50.3557	mg/L	0.89638	1.78%
QC value within limits for Ca 315.887 Recovery = 100.71%								
Cd 228.802†	24596.7	0.478847	mg/L	0.0060534	0.478847	mg/L	0.0060534	1.26%
QC value within limits for Cd 228.802 Recovery = 95.77%								
Co 228.616†	20148.8	0.491806	mg/L	0.0067401	0.491806	mg/L	0.0067401	1.37%
QC value within limits for Co 228.616 Recovery = 98.36%								
Cr 267.716†	44717.3	0.507263	mg/L	0.0066712	0.507263	mg/L	0.0066712	1.32%
QC value within limits for Cr 267.716 Recovery = 101.45%								
Cu 327.393†	72320.8	0.464584	mg/L	0.0053236	0.464584	mg/L	0.0053236	1.15%
QC value within limits for Cu 327.393 Recovery = 92.92%								
Fe 273.955†	64584.6	4.81128	mg/L	0.069081	4.81128	mg/L	0.069081	1.44%
QC value within limits for Fe 273.955 Recovery = 96.23%								
K 404.721†	1664.3	48.8136	mg/L	0.48856	48.8136	mg/L	0.48856	1.00%
QC value within limits for K 404.721 Recovery = 97.63%								
Mg 279.077†	939559.8	49.7534	mg/L	0.90648	49.7534	mg/L	0.90648	1.82%
QC value within limits for Mg 279.077 Recovery = 99.51%								
Mn 257.610†	225857.0	0.480587	mg/L	0.0062369	0.480587	mg/L	0.0062369	1.30%
QC value within limits for Mn 257.610 Recovery = 96.12%								
Mo 202.031†	7000.0	0.476000	mg/L	0.0087305	0.476000	mg/L	0.0087305	1.83%
QC value within limits for Mo 202.031 Recovery = 95.20%								
Na 330.237†	-3482.7						932.25	26.77%
Unable to evaluate QC.								
Ni 231.604†	27739.6	0.502363	mg/L	0.0069023	0.502363	mg/L	0.0069023	1.37%
QC value within limits for Ni 231.604 Recovery = 100.47%								
Pb 220.353†	6095.0	0.509169	mg/L	0.0072612	0.509169	mg/L	0.0072612	1.43%
QC value within limits for Pb 220.353 Recovery = 101.83%								
Sb 206.836†	750.5	0.504665	mg/L	0.0072067	0.504665	mg/L	0.0072067	1.43%
QC value within limits for Sb 206.836 Recovery = 100.93%								
Se 196.026†	659.1	0.473754	mg/L	0.0075395	0.473754	mg/L	0.0075395	1.59%
QC value within limits for Se 196.026 Recovery = 94.75%								
Sn 189.927†	1486.8	0.514436	mg/L	0.0053996	0.514436	mg/L	0.0053996	1.05%
QC value within limits for Sn 189.927 Recovery = 102.89%								
Ti 334.940†	406242.4	0.489911	mg/L	0.0095804	0.489911	mg/L	0.0095804	1.96%
QC value within limits for Ti 334.940 Recovery = 97.98%								
Tl 190.801†	549.7	0.500290	mg/L	0.0067719	0.500290	mg/L	0.0067719	1.35%
QC value within limits for Tl 190.801 Recovery = 100.06%								
V 290.880†	80542.7	0.477205	mg/L	0.0067669	0.477205	mg/L	0.0067669	1.42%
QC value within limits for V 290.880 Recovery = 95.44%								
Zn 206.200†	19897.6	0.507300	mg/L	0.0059802	0.507300	mg/L	0.0059802	1.18%
QC value within limits for Zn 206.200 Recovery = 101.46%								

QC Failed. Continue with analysis.

Sequence No.: 26
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/1/2011 2:37:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1355237.4	107	%	0.0				0.00%
Y 371.029	560276.7	111	%	0.1				0.09%
Ag 328.068†	-101.1	-0.0003525	mg/L	0.00047094	-0.0003525	mg/L	0.00047094	133.61%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-353.4	-0.0761386	mg/L	0.00171438	-0.0761386	mg/L	0.00171438	2.25%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.2	0.0014453	mg/L	0.00054641	0.0014453	mg/L	0.00054641	37.81%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-111.5	-0.0013498	mg/L	0.00006144	-0.0013498	mg/L	0.00006144	4.55%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-260.5	0.0007772	mg/L	0.00001730	0.0007772	mg/L	0.00001730	2.23%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	11293.6	0.116210	mg/L	0.0032976	0.116210	mg/L	0.0032976	2.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-121.3	-0.0011240	mg/L	0.00007809	-0.0011240	mg/L	0.00007809	6.95%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	12.0	0.0004951	mg/L	0.00012293	0.0004951	mg/L	0.00012293	24.83%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-14.8	0.0004667	mg/L	0.00009350	0.0004667	mg/L	0.00009350	20.03%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-957.5	-0.0034697	mg/L	0.00055307	-0.0034697	mg/L	0.00055307	15.94%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-364.0	-0.0049651	mg/L	0.00026517	-0.0049651	mg/L	0.00026517	5.34%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	58.0	0.189417	mg/L	1.6456560	0.189417	mg/L	1.6456560	868.80%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-401.0	0.0546605	mg/L	0.00444992	0.0546605	mg/L	0.00444992	8.14%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-581.2	-0.0014441	mg/L	0.00003867	-0.0014441	mg/L	0.00003867	2.68%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	11.0	0.0006800	mg/L	0.00000835	0.0006800	mg/L	0.00000835	1.23%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-43324.0						113.12	0.26%
Unable to evaluate QC.								
Ni 231.604†	20.6	0.0001759	mg/L	0.00018503	0.0001759	mg/L	0.00018503	105.18%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-62.2	-0.0031428	mg/L	0.00091188	-0.0031428	mg/L	0.00091188	29.02%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.4	-0.0002546	mg/L	0.00032686	-0.0002546	mg/L	0.00032686	128.36%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.5	0.0009362	mg/L	0.00527769	0.0009362	mg/L	0.00527769	563.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.4	-0.0000037	mg/L	0.00139261	-0.0000037	mg/L	0.00139261	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	225.5	0.0003077	mg/L	0.00006067	0.0003077	mg/L	0.00006067	19.72%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.8	-0.0002146	mg/L	0.00102665	-0.0002146	mg/L	0.00102665	478.32%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-314.3	-0.0059931	mg/L	0.00035576	-0.0059931	mg/L	0.00035576	5.94%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-212.8	-0.0047060	mg/L	0.00019914	-0.0047060	mg/L	0.00019914	4.23%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Method: HGCV2 SPLP (7470A) Page 1 Date: 2/25/2011 12:11:53 PM

1st RCV cja 2/25/11 V-109185

Analysis Begun

Logged In Analyst: johns Technique: AA FIMS-MHS
Spectrometer Model: FIMS-100, S/N B050-9550 Autosampler Model: AS-90

2/25/11

Sample Information File: C:\data-AA\johns\Sample Information\H12334SP.sif
Batch ID: H12334SP
Results Data Set: H12334SPb
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A) Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 2/25/2011 12:06:28 PM
Analyst: Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0002	0.0011	0.0002	12:07:24	Yes
2		[0.00]	0.0001	0.0005	0.0001	12:07:57	Yes
Mean:		[0.00]	0.0001				
SD:		0.00	0.0000				
%RSD:		0.00	19.60				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: .2 PPB Date Collected: 2/25/2011 12:07:58 PM
Analyst: Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0009	0.0020	0.0010	12:08:54	Yes
2		[0.2]	0.0010	0.0035	0.0011	12:09:26	Yes
Mean:		[0.2]	0.0009				
SD:		0.0	0.0001				
%RSD:		0.0	6.32				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00464 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: .5 PPB Date Collected: 2/25/2011 12:09:28 PM
Analyst: Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0025	0.0074	0.0026	12:10:23	Yes
2		[0.5]	0.0025	0.0083	0.0026	12:10:55	Yes
Mean:		[0.5]	0.0025				
SD:		0.0	0.0000				
%RSD:		0.0	0.11				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999625 Slope: 0.00495 Intercept: -0.00002

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1 PPB Date Collected: 2/25/2011 12:10:57 PM
Analyst: Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0048	0.0130	0.0050	12:11:52	Yes
2	[1]	0.0049	0.0136	0.0050	12:12:24	Yes
Mean:	[1]	0.0049				
SD:	0	0.0000				
%RSD:	0	0.77				

Standard number 3 applied. [1]
Correlation Coef.: 0.999891 Slope: 0.00489 Intercept: -0.00001

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 2/25/2011 12:12:26 PM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0100	0.0282	0.0101	12:13:22	Yes
2		[2]	0.0100	0.0274	0.0101	12:13:54	Yes
Mean:		[2]	0.0100				
SD:		0	0.0000				
%RSD:		0	0.11				

Standard number 4 applied. [2]
Correlation Coef.: 0.999917 Slope: 0.00499 Intercept: -0.00005

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 2/25/2011 12:13:55 PM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0258	0.0716	0.0260	12:14:51	Yes
2		[5]	0.0255	0.0694	0.0257	12:15:24	Yes
Mean:		[5]	0.0257				
SD:		0	0.0002				
%RSD:		0	0.75				

Standard number 5 applied. [5]
Correlation Coef.: 0.999915 Slope: 0.00515 Intercept: -0.00014

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 2/25/2011 12:15:25 PM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0516	0.1405	0.0518	12:16:20	Yes
2		[10]	0.0518	0.1426	0.0519	12:16:53	Yes
Mean:		[10]	0.0517				
SD:		0	0.0001				
%RSD:		0	0.23				

Standard number 6 applied. [10]
Correlation Coef.: 0.999975 Slope: 0.00518 Intercept: -0.00018

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 2/25/2011 12:16:54 PM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1258	0.3453	0.1259	12:17:50	Yes
2		[25]	0.1251	0.3428	0.1253	12:18:22	Yes
Mean:		[25]	0.1255				
SD:		0	0.0005				
%RSD:		0	0.37				

Standard number 7 applied. [25]
Correlation Coef.: 0.999917 Slope: 0.00503 Intercept: 0.00014

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.027	0.00	19.6
.2 PPB	0.0009	0.2	0.157	0.00	6.3
.5 PPB	0.0025	0.5	0.463	0.00	0.1
1 PPB	0.0049	1.0	0.940	0.00	0.8
2 PPB	0.0100	2.0	1.955	0.00	0.1
5 PPB	0.0257	5.0	5.074	0.00	0.7
10 PPB	0.0517	10.0	10.244	0.00	0.2
25 PPB	0.1255	25.0	24.895	0.00	0.4

Correlation Coef.: 0.999917 Slope: 0.00503 Intercept: 0.00014

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 2/25/2011 12:18:24 PM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.58	20.58	0.1038	0.2859	0.1039	12:19:22	Yes
2	20.67	20.67	0.1042	0.2848	0.1043	12:19:54	Yes
Mean:	20.63	20.63	0.1040				
SD:	0.060	0.060	0.0003				
%RSD:	0.292	0.292	0.29				

QC value within limits for Hg 253.7 Recovery = 103.13%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 2/25/2011 12:19:56 PM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	-0.0002	0.0000	12:20:52	Yes
2	-0.056	-0.056	-0.0001	-0.0010	-0.0000	12:21:24	Yes
Mean:	-0.052	-0.052	-0.0001				
SD:	0.005	0.005	0.0000				
%RSD:	10.45	10.45	22.06				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3350 (1) Date Collected: 2/25/2011 12:21:26 PM
Analyst: Data Type: Original

Replicate Data: MB 3350 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	-0.0001	0.0003	0.0000	12:22:22	Yes
2	-0.053	-0.053	-0.0001	-0.0006	0.0000	12:22:55	Yes
Mean:	-0.048	-0.048	-0.0001				
SD:	0.006	0.006	0.0000				
%RSD:	12.15	12.15	27.95				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3350 Date Collected: 2/25/2011 12:22:56 PM
Analyst: Data Type: Original

Replicate Data: LCSW 3350

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.60	10.60	0.0535	0.1466	0.0536	12:23:51	Yes
2	10.23	10.23	0.0517	0.1420	0.0518	12:24:24	Yes
Mean:	10.42	10.42	0.0526				

SD:	0.260	0.260	0.0013
%RSD:	2.498	2.498	2.49

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCSW MR 3350 Date Collected: 2/25/2011 12:24:25 PM
Analyst: Data Type: Original

Replicate Data: LCSW MR 3350

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.63	10.63	0.0536	0.1470	0.0538	12:25:21	Yes
2	10.44	10.44	0.0527	0.1442	0.0528	12:25:54	Yes
Mean:	10.53	10.53	0.0532				
SD:	0.134	0.134	0.0007				
%RSD:	1.276	1.276	1.27				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 57098-010 Date Collected: 2/25/2011 12:25:55 PM
Analyst: Data Type: Original

Replicate Data: 57098-010

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0001	-0.0002	0.0000	12:26:51	Yes
2	-0.042	-0.042	-0.0001	0.0004	0.0001	12:27:23	Yes
Mean:	-0.044	-0.044	-0.0001				
SD:	0.003	0.003	0.0000				
%RSD:	6.430	6.430	17.11				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 57098-010 MR Date Collected: 2/25/2011 12:27:25 PM
Analyst: Data Type: Original

Replicate Data: 57098-010 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0001	-0.0007	0.0000	12:28:20	Yes
2	-0.049	-0.049	-0.0001	-0.0002	0.0000	12:28:53	Yes
Mean:	-0.051	-0.051	-0.0001				
SD:	0.003	0.003	0.0000				
%RSD:	6.491	6.491	13.85				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 57098-010 SPLP SPK Date Collected: 2/25/2011 12:28:54 PM
Analyst: Data Type: Original

Replicate Data: 57098-010 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.44	10.44	0.0527	0.1440	0.0528	12:29:50	Yes
2	10.31	10.31	0.0521	0.1420	0.0522	12:30:22	Yes
Mean:	10.38	10.38	0.0524				
SD:	0.089	0.089	0.0004				
%RSD:	0.858	0.858	0.86				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 57100-011 Date Collected: 2/25/2011 12:30:24 PM
Analyst: Data Type: Original

Replicate Data: 57100-011

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.033	-0.033	-0.0000	0.0009	0.0001	12:31:19	Yes
2	-0.037	-0.037	-0.0000	0.0008	0.0001	12:31:51	Yes
Mean:	-0.035	-0.035	-0.0000				
SD:	0.003	0.003	0.0000				

%RSD: 8.933 8.933 40.66

==========

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK 2/20 **Date Collected: 2/25/2011 12:31:53 PM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK 2/20

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	-0.0000	0.0000	12:32:48	Yes
2	-0.050	-0.050	-0.0001	-0.0005	0.0000	12:33:21	Yes
Mean:	-0.049	-0.049	-0.0001				
SD:	0.002	0.002	0.0000				
%RSD:	3.651	3.651	8.25				

==========

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 2/25/2011 12:33:22 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.44	10.44	0.0527	0.1433	0.0528	12:34:21	Yes
2	10.40	10.40	0.0525	0.1437	0.0526	12:34:53	Yes
Mean:	10.42	10.42	0.0526				
SD:	0.027	0.027	0.0001				
%RSD:	0.255	0.255	0.25				

QC value within limits for Hg 253.7 Recovery = 104.23%
All analyte(s) passed QC.

==========

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/25/2011 12:34:54 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.050	-0.050	-0.0001	-0.0004	0.0000	12:35:50	Yes
2	-0.044	-0.044	-0.0001	0.0000	0.0000	12:36:22	Yes
Mean:	-0.047	-0.047	-0.0001				
SD:	0.004	0.004	0.0000				
%RSD:	8.159	8.159	19.52				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12358B2.txt

Analysis Date: 03/03/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-108505	1	CAL	15:10	1							V-108505(ICB/CCB)
Calib 1 V-104185	1	CAL	15:14	2							V-104185(ICS1 Lowest std)
Calib 2 V-106426	1	CAL	15:18	3							V-106426(ICS2- Low Std)
Calib 3 V-106427	1	CAL	15:21	4							V-106427(ICS3 - Middle Std)
Calib 4 V-108511	1	CAL	15:25	5							V-108511(ICS4 - High std)
ICS3 V-106427	1	ICS	15:30	6							V-106427(ICS3 - Middle Std)
ICV V-107292 (2)	1	ICV	15:34	7							V-107292(ICV)
ICB V-108505	1	ICB	15:39	8							V-108505(ICB/CCB)
ICSA V-107289	1	ICSA	15:43	9							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	15:48	10							V-107290(ICSAB)
MB 3382 (1)	1	MB	15:54	11		SPLP	SPLP	SW846	3382		0
LCSW 3382	1	LCS	15:57	12		SPLP	SPLP	SW846	3382		0
LCSW MR 3382	1	LCS	16:01	13		SPLP	SPLP	SW846	3382		0
AC57098-015	1	SMP	16:05	14	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MR	16:08	15	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MS	16:12	16	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	PS	16:15	17	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	5	SD	16:19	18	METALS-SPLP	SPLP	SPLP	SW846	3382		0
CCV V-108509	1	CCV	16:23	19							V-108509(CCV)
CCB	1	CCB	16:26	20							0
AC57100-016	1	SMP	16:30	21	METALS-SPLP	SPLP	SPLP	SW846	3382		0
EF-DIH2O 2/25	1	EF	16:34	22		SPLP	SPLP	SW846	3382		0
ICSA V-107289	1	ICSA	16:37	23							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	16:43	24							V-107290(ICSAB)
CCV V-108509	1	CCV	16:48	25							V-108509(CCV)
CCB	1	CCB	16:52	26							0

Comments/Reviewedby: **Standard/Batch/SnCl2 Lot #:**

sean
192.168.1.17 3/3/2011 5:28:51 PM

OK

Shiu 3/17/11

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12358SP.txt

Analysis Date: 03/03/11

Instrument: HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	16:53	1							0
.2 PPB	1	CAL	16:55	2							0
.5 PPB	1	CAL	16:56	3							0
1 PPB	1	CAL	16:58	4							0
2 PPB	1	CAL	16:59	5							0
5 PPB	1	CAL	17:01	6							0
10 PPB	1	CAL	17:02	7							0
25 PPB	1	CAL	17:04	8							0
ICV (2)	1	ICV	17:05	9							0
ICB	1	ICB	17:07	10							0
MB 3382 (1)	1	MB	17:08	11	HG-SPLP	SPLP	SPLP	SW846	3382		0
LCSW 3382	1	LCS	17:10	12	HG-SPLP	SPLP	SPLP	SW846	3382		0
LCSW MR 3382	1	LCS	17:11	13	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	SMP	17:13	14	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MR	17:14	15	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MS	17:16	16	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57100-016	1	SMP	17:17	17	HG-SPLP	SPLP	SPLP	SW846	3382		0
EF-DI-BLANK 2/25	1	EF	17:19	18		SPLP	SPLP	SW846	3382		0
CCV	1	CCV	17:20	19							0
CCB	1	CCB	17:22	20							0

nents/Reviewedby:

carmela
192.168.1.75 3/4/2011 9:36:32 AM

OK

3/21/11

Standard/Batch/SnCl2 Lot #:

V-109721

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5365	hidrochloric acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105162

Prepared By: Aliano, Carmela
Description: Hydroxylamine Hydrochloride
Prep Date: 1/4/2011
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 01/21/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Lot Number: V-105295

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 1/5/2011
Expiration Date: 5/18/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: melissa
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5394	Hydrochloric Acid	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106426

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-106427

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107289

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107290

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107292

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-108388

Prepared By: Perez-Capellan, Joelly
Description: 5% Potassium Permanganate
Prep Date: 2/14/2011
Expiration Date: 8/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 9.5 l
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108505

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5594	Hydrochloric Acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	

Veritech Lot Number: V-108509

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5594	Hydrochloric Acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5401	ICV1	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108511

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-109597

Prepared By: Aliano, Carmela
Description: 5% Potassium Persulfate
Prep Date: 3/2/2011
Expiration Date: 9/2/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-109721

Prepared By: Aliano, Carmela
Description: SnCl2
Prep Date: 3/3/2011
Expiration Date: 3/3/2011
Department: Metals
BatchNumber: B-9786
Concentration: 1.1% SnCl2 in
Final Volume: 1000 ml
ApprovedBy: shiamala
ApproveDate: 03/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-109722	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-109722

Prepared By: Aliano, Carmela
Description: 3% HCL
Prep Date: 3/3/2011
Expiration Date: 3/3/2011
Department: Metals
BatchNumber: B-9786
Concentration: reagent reage
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hydrochloric acid	300 ml	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 03/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description
Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description
Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Control/Receipt Number: 5202

Description
Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description: icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description: hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5394

Description: Hydrochloric Acid

ApprovedBy: gael
ApproveDate: 11/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	11/04/10	03/30/13	Okomeng, Maxwel	12	2.5LT	neat	neat

Veritech Control/Receipt Number: 5401

Description: ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description: ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5403

Description: ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5404

Description
ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description
ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Control/Receipt Number: 5481

Description
Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Control/Receipt Number: 5594

Description
Hydrochloric Acid

ApprovedBy: melissa
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110060	02/07/11	06/30/13	Lopez, Jose	12	2.5L	neat	neat

File SP12358B2 Batch 12358 SPLP reset

Method: PE2 4300DV AXIAL Page 1 Date: 3/3/2011 3:13:35 PM

Analyst S Bh 3/3/11

Analysis Begun

Start Time: 3/3/2011 3:10:07 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 4300 DV, S/N 077N1030901
Plasma On Time: 3/3/2011 8:17:44 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12358B2
Results Library: C:\pe\administrator\Results\Results.mdb

3/17/11

Method Loaded
Method Name: PE2 4300DV AXIAL
IEC File: IEC092710.iec
Method Description: 200.7/6010B
Method Last Saved: 2/25/2011 4:01:18 PM
MSF File:

Sequence No.: 1
Sample ID: Calib Blk 1 V-108505
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 3/3/2011 3:10:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-108505

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1326180.6	6628.91	0.50%	100	%
Y 371.029	560032.0	2904.33	0.52%	100	%
Ag 328.068†	361.2	62.80	17.39%	[0.00]	mg/L
Al 308.215†	17929.9	120.54	0.67%	[0.00]	mg/L
As 188.979†	-17.1	1.95	11.41%	[0.00]	mg/L
Ba 233.527†	-969.3	1.62	0.17%	[0.00]	mg/L
Be 313.107†	-944.7	125.00	13.23%	[0.00]	mg/L
Ca 315.887†	-39541.0	304.58	0.77%	[0.00]	mg/L
Cd 228.802†	420.8	8.89	2.11%	[0.00]	mg/L
Co 228.616†	119.4	2.70	2.26%	[0.00]	mg/L
Cr 267.716†	332.4	3.95	1.19%	[0.00]	mg/L
Cu 327.393†	-2133.2	33.31	1.56%	[0.00]	mg/L
Fe 273.955†	-4083.6	32.73	0.80%	[0.00]	mg/L
K 404.721†	2535.1	66.75	2.63%	[0.00]	mg/L
Mg 279.077†	-4995.5	57.29	1.15%	[0.00]	mg/L
Mn 257.610†	-1872.8	7.36	0.39%	[0.00]	mg/L
Mo 202.031†	64.1	11.72	18.28%	[0.00]	mg/L
Na 330.237†	-99.2	29.16	29.39%	[0.00]	mg/L
Ni 231.604†	298.1	8.64	2.90%	[0.00]	mg/L
Pb 220.353†	-104.8	3.01	2.87%	[0.00]	mg/L
Sb 206.836†	23.0	2.76	11.98%	[0.00]	mg/L
Se 196.026†	39.2	3.94	10.05%	[0.00]	mg/L
Sn 189.927†	10.5	3.27	31.25%	[0.00]	mg/L
Ti 334.940†	2258.9	35.42	1.57%	[0.00]	mg/L
Tl 190.801†	-17.8	0.84	4.72%	[0.00]	mg/L
V 290.880†	6790.3	105.47	1.55%	[0.00]	mg/L
Zn 206.200†	-82.3	4.85	5.90%	[0.00]	mg/L

reset 12358

all elements reported

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/3/2011 3:14:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1352037.6	18935.23	1.40%	102	%
Y 371.029	570181.2	7413.94	1.30%	102	%
As 188.979†	12.7	3.96	31.13%	[0.005]	mg/L
Be 313.107†	11395.6	218.45	1.92%	[0.003]	mg/L
Cd 228.802†	177.2	12.13	6.84%	[0.003]	mg/L
Pb 220.353†	58.6	2.14	3.65%	[0.004]	mg/L
Tl 190.801†	7.7	0.65	8.42%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-106426
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/3/2011 3:18:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-106426

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1340613.3	14359.85	1.07%	101	%
Y 371.029	565819.3	5649.02	1.00%	101	%
Ag 328.068†	172.9	101.20	58.55%	[0.002]	mg/L
Al 308.215†	2515.3	105.08	4.18%	[0.10]	mg/L
As 188.979†	17.3	1.21	7.02%	[0.010]	mg/L
Ba 233.527†	1768.7	4.32	0.24%	[0.010]	mg/L
Be 313.107†	33298.5	289.45	0.87%	[0.010]	mg/L
Ca 315.887†	125845.6	1772.51	1.41%	[1.0]	mg/L
Cd 228.802†	490.4	12.87	2.62%	[0.010]	mg/L
Co 228.616†	407.3	3.27	0.80%	[0.010]	mg/L
Cr 267.716†	936.3	0.02	0.00%	[0.010]	mg/L
Cu 327.393†	1554.2	55.77	3.59%	[0.010]	mg/L
Fe 273.955†	1266.4	8.83	0.70%	[0.10]	mg/L
K 404.721†	98.0	78.56	80.13%	[1.0]	mg/L
Mg 279.077†	20904.8	48.46	0.23%	[1.0]	mg/L
Mn 257.610†	4627.3	13.00	0.28%	[0.010]	mg/L
Mo 202.031†	121.9	4.06	3.33%	[0.010]	mg/L
Na 330.237†	728.5	72.26	9.92%	[1.0]	mg/L
Ni 231.604†	573.7	9.93	1.73%	[0.010]	mg/L
Pb 220.353†	125.1	17.26	13.80%	[0.010]	mg/L
Sb 206.836†	17.1	0.54	3.15%	[0.010]	mg/L
Se 196.026†	11.6	1.65	14.20%	[0.010]	mg/L
Sn 189.927†	33.1	4.13	12.46%	[0.010]	mg/L
Ti 334.940†	8959.6	95.93	1.07%	[0.010]	mg/L
Tl 190.801†	9.7	2.11	21.78%	[0.010]	mg/L
V 290.880†	1509.9	114.66	7.59%	[0.010]	mg/L
Zn 206.200†	408.4	1.23	0.30%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/3/2011 3:21:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-106427

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1289566.4	14406.53	1.12%	97.2	%
Y 371.029	538668.4	5872.72	1.09%	96.2	%
Ag 328.068†	10430.8	162.32	1.56%	[0.10]	mg/L
Al 308.215†	159906.6	1881.17	1.18%	[5.0]	mg/L
As 188.979†	669.4	4.68	0.70%	[0.50]	mg/L
Ba 233.527†	92857.9	945.06	1.02%	[0.50]	mg/L
Be 313.107†	1869573.3	26616.71	1.42%	[0.50]	mg/L
Ca 315.887†	6316842.6	82661.69	1.31%	[50]	mg/L
Cd 228.802†	26636.5	393.68	1.48%	[0.50]	mg/L
Co 228.616†	21591.3	267.21	1.24%	[0.50]	mg/L
Cr 267.716†	49061.4	575.74	1.17%	[0.50]	mg/L
Cu 327.393†	78470.1	961.05	1.22%	[0.50]	mg/L
Fe 273.955†	68964.6	855.73	1.24%	[5.0]	mg/L
K 404.721†	1620.2	26.83	1.66%	[50]	mg/L
Mg 279.077†	1054034.3	13304.92	1.26%	[50]	mg/L
Mn 257.610†	245487.5	2924.83	1.19%	[0.50]	mg/L
Mo 202.031†	6282.6	58.91	0.94%	[0.50]	mg/L
Na 330.237†	45591.0	304.89	0.67%	[50]	mg/L
Ni 231.604†	29544.6	378.79	1.28%	[0.50]	mg/L
Pb 220.353†	6590.0	47.79	0.73%	[0.50]	mg/L
Sb 206.836†	929.6	0.47	0.05%	[0.50]	mg/L
Se 196.026†	634.3	2.45	0.39%	[0.50]	mg/L
[illegible] 1[illegible].927†	1610.2	8.30	0.52%	[0.50]	mg/L
Ti 334.940†	470481.3	7152.20	1.52%	[0.50]	mg/L
Tl 190.801†	499.8	2.81	0.56%	[0.50]	mg/L
V 290.880†	87819.1	1171.82	1.33%	[0.50]	mg/L
Zn 206.200†	21843.5	247.71	1.13%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-108511
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/3/2011 3:25:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-108511

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1247481.6	3258.31	0.26%	94.1	%
Y 371.029	521112.8	1212.29	0.23%	93.1	%
Ag 328.068†	21052.5	44.38	0.21%	[0.20]	mg/L
Al 308.215†	325849.8	2625.79	0.81%	[10]	mg/L
As 188.979†	1338.8	6.67	0.50%	[1.0]	mg/L
Ba 233.527†	185145.3	1115.74	0.60%	[1.0]	mg/L
Be 313.107†	3698262.7	44186.32	1.19%	[1.0]	mg/L
Ca 315.887†	12308752.6	144227.88	1.17%	[100]	mg/L
Cd 228.802†	53852.3	348.19	0.65%	[1.0]	mg/L
Co 228.616†	42979.7	99.84	0.23%	[1.0]	mg/L
Cr 267.716†	98074.1	686.31	0.70%	[1.0]	mg/L
Cu 327.393†	160006.1	1016.65	0.64%	[1.0]	mg/L
Fe 273.955†	137347.1	800.61	0.58%	[10]	mg/L
K 404.721†	3485.1	18.16	0.52%	[100]	mg/L
Mg 279.077†	2074116.5	11955.95	0.58%	[100]	mg/L
Mn 257.610†	489064.1	2770.63	0.57%	[1.0]	mg/L
Mo 202.031†	12547.4	20.82	0.17%	[1.0]	mg/L
Na 330.237†	101086.4	709.58	0.70%	[100]	mg/L
Ni 231.604†	58478.1	287.27	0.49%	[1.0]	mg/L
Pb 220.353†	13043.7	43.53	0.33%	[1.0]	mg/L
Sb 206.836†	1859.1	4.81	0.26%	[1.0]	mg/L
Se 196.026†	1277.5	9.19	0.72%	[1.0]	mg/L
Sn 189.927†	3163.3	7.47	0.24%	[1.0]	mg/L
Ti 334.940†	945075.0	6580.52	0.70%	[1.0]	mg/L
Tl 190.801†	1004.7	3.08	0.31%	[1.0]	mg/L
V 290.880†	176203.0	1012.15	0.57%	[1.0]	mg/L
Zn 206.200†	42881.9	310.11	0.72%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-34.5	105300	0.00000	0.999990	
Al 308.215	3	Lin, Calc Int	-886.7	32570	0.00000	0.999958	
As 188.979	4	Lin, Calc Int	3.1	1335	0.00000	0.999993	
Ba 233.527	3	Lin, Calc Int	14.4	185200	0.00000	0.999998	
Be 313.107	4	Lin, Calc Int	1493.2	3705000	0.00000	0.999984	
Ca 315.887	3	Lin, Calc Int	30821.3	123400	0.00000	0.999908	
Cd 228.802	4	Lin, Calc Int	-46.2	53790	0.00000	0.999986	
Co 228.616	3	Lin, Calc Int	8.2	43010	0.00000	0.999997	
Cr 267.716	3	Lin, Calc Int	-15.7	98100	0.00000	1.000000	
Cu 327.393	3	Lin, Calc Int	-299.8	159800	0.00000	0.999951	
Fe 273.955	3	Lin, Calc Int	4.4	13750	0.00000	0.999997	
K 404.721	3	Lin, Calc Int	6.4	34.29	0.00000	0.999004	
Mg 279.077	3	Lin, Calc Int	3164.0	20770	0.00000	0.999964	
Mn 257.610	3	Lin, Calc Int	54.3	489400	0.00000	0.999998	
Mo 202.031	3	Lin, Calc Int	-0.0	12550	0.00000	1.000000	
Na 330.237	3	Lin, Calc Int	-1029.5	1003	0.00000	0.998733	
Ni 231.604	3	Lin, Calc Int	50.6	58540	0.00000	0.999985	
Pb 220.353	4	Lin, Calc Int	8.8	13060	0.00000	0.999987	
Sb 206.836	3	Lin, Calc Int	-0.7	1860	0.00000	1.000000	
Se 196.026	3	Lin, Calc Int	-1.3	1277	0.00000	0.999994	
Sn 189.927	3	Lin, Calc Int	5.9	3168	0.00000	0.999958	
Ti 334.940	3	Lin, Calc Int	-597.2	945000	0.00000	0.999998	
Tl 190.801	4	Lin, Calc Int	0.4	1003	0.00000	0.999992	
V 290.880	3	Lin, Calc Int	-165.8	176300	0.00000	0.999998	
Zn 206.200	3	Lin, Calc Int	64.0	42970	0.00000	0.999952	

Sequence No.: 6
Sample ID: ICS3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/3/2011 3:30:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-106427

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1277819.2	96.4	%	0.01				0.01%
Y 371.029	533820.8	95.3	%	0.06				0.06%
Ag 328.068†	10309.4	0.0976126	mg/L	0.00005786	0.0976126	mg/L	0.00005786	0.06%
QC value within limits for Ag 328.068 Recovery = 97.61%								
Al 308.215†	158937.8	4.89542	mg/L	0.022723	4.89542	mg/L	0.022723	0.46%
QC value within limits for Al 308.215 Recovery = 97.91%								
As 188.979†	666.4	0.496088	mg/L	0.0027399	0.496088	mg/L	0.0027399	0.55%
QC value within limits for As 188.979 Recovery = 99.22%								
Ba 233.527†	92126.4	0.497201	mg/L	0.0018635	0.497201	mg/L	0.0018635	0.37%
QC value within limits for Ba 233.527 Recovery = 99.44%								
Be 313.107†	1869429.9	0.503940	mg/L	0.0083437	0.503940	mg/L	0.0083437	1.66%
QC value within limits for Be 313.107 Recovery = 100.79%								
Ca 315.887†	6309564.6	50.8956	mg/L	0.86401	50.8956	mg/L	0.86401	1.70%
QC value within limits for Ca 315.887 Recovery = 101.79%								
Cd 228.802†	26480.7	0.493055	mg/L	0.0018682	0.493055	mg/L	0.0018682	0.38%
QC value within limits for Cd 228.802 Recovery = 98.61%								
Co 228.616†	21422.0	0.498400	mg/L	0.0008597	0.498400	mg/L	0.0008597	0.17%
QC value within limits for Co 228.616 Recovery = 99.68%								
Cr 267.716†	48714.7	0.499678	mg/L	0.0019849	0.499678	mg/L	0.0019849	0.40%
QC value within limits for Cr 267.716 Recovery = 99.94%								
Cu 327.393†	78356.4	0.491302	mg/L	0.0020780	0.491302	mg/L	0.0020780	0.42%
QC value within limits for Cu 327.393 Recovery = 98.26%								
Fe 273.955†	68497.5	5.00150	mg/L	0.027586	5.00150	mg/L	0.027586	0.55%
QC value within limits for Fe 273.955 Recovery = 100.03%								
K 404.721†	1547.0	44.9295	mg/L	0.32185	44.9295	mg/L	0.32185	0.72%
QC value less than the lower limit for K 404.721 Recovery = 89.86%								
Mg 279.077†	1051841.1	50.4960	mg/L	0.86718	50.4960	mg/L	0.86718	1.72%
QC value within limits for Mg 279.077 Recovery = 100.99%								
Mn 257.610†	243835.0	0.496250	mg/L	0.0021195	0.496250	mg/L	0.0021195	0.43%
QC value within limits for Mn 257.610 Recovery = 99.25%								
Mo 202.031†	6273.7	0.498704	mg/L	0.0014614	0.498704	mg/L	0.0014614	0.29%
QC value within limits for Mo 202.031 Recovery = 99.74%								
Na 330.237†	45496.7	46.3653	mg/L	0.02486	46.3653	mg/L	0.02486	0.05%
QC value within limits for Na 330.237 Recovery = 92.73%								
Ni 231.604†	29375.3	0.501278	mg/L	0.0018131	0.501278	mg/L	0.0018131	0.36%
QC value within limits for Ni 231.604 Recovery = 100.26%								
Pb 220.353†	6542.3	0.501480	mg/L	0.0022075	0.501480	mg/L	0.0022075	0.44%
QC value within limits for Pb 220.353 Recovery = 100.30%								
Sb 206.836†	924.0	0.497358	mg/L	0.0010221	0.497358	mg/L	0.0010221	0.21%
QC value within limits for Sb 206.836 Recovery = 99.47%								
Se 196.026†	622.9	0.489019	mg/L	0.0089660	0.489019	mg/L	0.0089660	1.83%
QC value within limits for Se 196.026 Recovery = 97.80%								
Sn 189.927†	1598.7	0.504234	mg/L	0.0006189	0.504234	mg/L	0.0006189	0.12%
QC value within limits for Sn 189.927 Recovery = 100.85%								
Ti 334.940†	470633.1	0.498672	mg/L	0.0084116	0.498672	mg/L	0.0084116	1.69%
QC value within limits for Ti 334.940 Recovery = 99.73%								
Tl 190.801†	497.8	0.497605	mg/L	0.0003507	0.497605	mg/L	0.0003507	0.07%
QC value within limits for Tl 190.801 Recovery = 99.52%								
V 290.880†	87278.8	0.494867	mg/L	0.0021277	0.494867	mg/L	0.0021277	0.43%
QC value within limits for V 290.880 Recovery = 98.97%								
Zn 206.200†	21674.1	0.502643	mg/L	0.0028027	0.502643	mg/L	0.0028027	0.56%
QC value within limits for Zn 206.200 Recovery = 100.53%								

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: ICV V-107292 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/3/2011 3:34:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-107292 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1229969.9	92.7	%	0.56				0.61%
Y 371.029	513968.2	91.8	%	0.55				0.60%
Ag 328.068†	21173.9	0.200149	mg/L	0.0005314	0.200149	mg/L	0.0005314	0.27%
QC value within limits for Ag 328.068 Recovery = 100.07%								
Al 308.215†	339258.7	10.4198	mg/L	0.07298	10.4198	mg/L	0.07298	0.70%
QC value within limits for Al 308.215 Recovery = 104.20%								
As 188.979†	1371.3	1.02336	mg/L	0.002046	1.02336	mg/L	0.002046	0.20%
QC value within limits for As 188.979 Recovery = 102.34%								
Ba 233.527†	189129.2	1.02080	mg/L	0.006643	1.02080	mg/L	0.006643	0.65%
QC value within limits for Ba 233.527 Recovery = 102.08%								
Be 313.107†	3778178.9	1.01889	mg/L	0.002600	1.01889	mg/L	0.002600	0.26%
QC value within limits for Be 313.107 Recovery = 101.89%								
Ca 315.887†	12717194.1	102.836	mg/L	0.2257	102.836	mg/L	0.2257	0.22%
QC value within limits for Ca 315.887 Recovery = 102.84%								
Cd 228.802†	54948.3	1.02218	mg/L	0.005083	1.02218	mg/L	0.005083	0.50%
QC value within limits for Cd 228.802 Recovery = 102.22%								
Co 228.616†	44133.4	1.02700	mg/L	0.004512	1.02700	mg/L	0.004512	0.44%
QC value within limits for Co 228.616 Recovery = 102.70%								
Cr 267.716†	99034.9	1.01565	mg/L	0.008723	1.01565	mg/L	0.008723	0.86%
QC value within limits for Cr 267.716 Recovery = 101.56%								
Cu 327.393†	161287.0	1.00934	mg/L	0.004432	1.00934	mg/L	0.004432	0.44%
QC value within limits for Cu 327.393 Recovery = 100.93%								
[illegible]73.955†	137366.2	10.0306	mg/L	0.08003	10.0306	mg/L	0.08003	0.80%
QC value within limits for Fe 273.955 Recovery = 100.31%								
K 404.721†	3669.3	106.824	mg/L	2.1360	106.824	mg/L	2.1360	2.00%
QC value within limits for K 404.721 Recovery = 106.82%								
Mg 279.077†	2118041.8	101.836	mg/L	0.8312	101.836	mg/L	0.8312	0.82%
QC value within limits for Mg 279.077 Recovery = 101.84%								
Mn 257.610†	495240.9	1.00805	mg/L	0.006936	1.00805	mg/L	0.006936	0.69%
QC value within limits for Mn 257.610 Recovery = 100.80%								
Mo 202.031†	12736.7	1.01248	mg/L	0.005911	1.01248	mg/L	0.005911	0.58%
QC value within limits for Mo 202.031 Recovery = 101.25%								
Na 330.237†	102488.2	103.160	mg/L	0.6857	103.160	mg/L	0.6857	0.66%
QC value within limits for Na 330.237 Recovery = 103.16%								
Ni 231.604†	59377.5	1.01414	mg/L	0.007209	1.01414	mg/L	0.007209	0.71%
QC value within limits for Ni 231.604 Recovery = 101.41%								
Pb 220.353†	13319.9	1.02180	mg/L	0.005158	1.02180	mg/L	0.005158	0.50%
QC value within limits for Pb 220.353 Recovery = 102.18%								
Sb 206.836†	1888.4	1.01612	mg/L	0.002097	1.01612	mg/L	0.002097	0.21%
QC value within limits for Sb 206.836 Recovery = 101.61%								
Se 196.026†	1299.0	1.01864	mg/L	0.008550	1.01864	mg/L	0.008550	0.84%
QC value within limits for Se 196.026 Recovery = 101.86%								
Sn 189.927†	3299.0	1.04243	mg/L	0.008908	1.04243	mg/L	0.008908	0.85%
QC value within limits for Sn 189.927 Recovery = 104.24%								
Ti 334.940†	953384.7	1.00954	mg/L	0.006358	1.00954	mg/L	0.006358	0.63%
QC value within limits for Ti 334.940 Recovery = 100.95%								
Tl 190.801†	1079.2	1.07909	mg/L	0.006407	1.07909	mg/L	0.006407	0.59%
QC value within limits for Tl 190.801 Recovery = 107.91%								
V 290.880†	178981.1	1.01387	mg/L	0.006682	1.01387	mg/L	0.006682	0.66%
QC value within limits for V 290.880 Recovery = 101.39%								
Zn 206.200†	43579.4	1.01215	mg/L	0.008376	1.01215	mg/L	0.008376	0.83%
QC value within limits for Zn 206.200 Recovery = 101.22%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-108505
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/3/2011 3:39:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-108505

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1327353.4	100	%	0.3				0.30%
Y 371.029	560432.4	100	%	0.2				0.23%
Ag 328.068†	24.0	0.0005548	mg/L	0.00028076	0.0005548	mg/L	0.00028076	50.60%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-50.2	0.0256629	mg/L	0.00301813	0.0256629	mg/L	0.00301813	11.76%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.1	-0.0022324	mg/L	0.00100501	-0.0022324	mg/L	0.00100501	45.02%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	11.6	-0.0000147	mg/L	0.00000460	-0.0000147	mg/L	0.00000460	31.27%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	93.4	-0.0003783	mg/L	0.00001716	-0.0003783	mg/L	0.00001716	4.53%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	605.3	-0.244931	mg/L	0.0009442	-0.244931	mg/L	0.0009442	0.39%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	14.6	0.0011297	mg/L	0.00012542	0.0011297	mg/L	0.00012542	11.10%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	10.8	0.0000623	mg/L	0.00034569	0.0000623	mg/L	0.00034569	554.67%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-4.2	0.0001214	mg/L	0.00008549	0.0001214	mg/L	0.00008549	70.42%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	287.0	0.0036764	mg/L	0.00011340	0.0036764	mg/L	0.00011340	3.08%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-68.1	-0.0053287	mg/L	0.00112686	-0.0053287	mg/L	0.00112686	21.15%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-2.8	-0.268842	mg/L	1.6922539	-0.268842	mg/L	1.6922539	629.46%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-56.9	-0.155053	mg/L	0.0024154	-0.155053	mg/L	0.0024154	1.56%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	24.7	-0.0000533	mg/L	0.00000510	-0.0000533	mg/L	0.00000510	9.57%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.4	0.0008370	mg/L	0.00001989	0.0008370	mg/L	0.00001989	2.38%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	80.7	1.10637	mg/L	0.028644	1.10637	mg/L	0.028644	2.59%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	21.1	-0.0005030	mg/L	0.00025554	-0.0005030	mg/L	0.00025554	50.81%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.3	-0.0005702	mg/L	0.00161143	-0.0005702	mg/L	0.00161143	282.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.7	-0.0000152	mg/L	0.00250881	-0.0000152	mg/L	0.00250881	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.5	0.0037420	mg/L	0.00410547	0.0037420	mg/L	0.00410547	109.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	16.5	0.0033637	mg/L	0.00249004	0.0033637	mg/L	0.00249004	74.03%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	67.0	0.0007028	mg/L	0.00005337	0.0007028	mg/L	0.00005337	7.59%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.4	0.0009988	mg/L	0.00203976	0.0009988	mg/L	0.00203976	204.22%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	8.9	0.0009963	mg/L	0.00003870	0.0009963	mg/L	0.00003870	3.88%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	17.4	-0.0010854	mg/L	0.00000708	-0.0010854	mg/L	0.00000708	0.65%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/3/2011 3:43:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1184306.8	89.3	%	0.79				0.89%
Y 371.029	492022.5	87.9	%	0.79				0.89%
Ag 328.068†	-405.4	-0.0002056	mg/L	0.00039205	-0.0002056	mg/L	0.00039205	190.71%
Al 308.215†	16499425.6	506.599	mg/L	4.0167	506.599	mg/L	4.0167	0.79%
QC value within limits for Al 308.215 Recovery = 101.32%								
As 188.979†	-14.0	0.0129881	mg/L	0.00134414	0.0129881	mg/L	0.00134414	10.35%
Ba 233.527†	730.0	0.0018866	mg/L	0.00004954	0.0018866	mg/L	0.00004954	2.63%
Be 313.107†	-2597.1	0.0003780	mg/L	0.00002831	0.0003780	mg/L	0.00002831	7.49%
Ca 315.887†	59774838.5	484.286	mg/L	5.9418	484.286	mg/L	5.9418	1.23%
QC value within limits for Ca 315.887 Recovery = 96.86%								
Cd 228.802†	239.2	-0.0000932	mg/L	0.00025139	-0.0000932	mg/L	0.00025139	269.72%
Co 228.616†	-153.2	-0.0011268	mg/L	0.00016770	-0.0011268	mg/L	0.00016770	14.88%
Cr 267.716†	-149.1	0.0053066	mg/L	0.00017342	0.0053066	mg/L	0.00017342	3.27%
Cu 327.393†	1702.1	0.0052214	mg/L	0.00003238	0.0052214	mg/L	0.00003238	0.62%
Fe 273.955†	2531598.9	184.360	mg/L	0.0832	184.360	mg/L	0.0832	0.05%
QC value within limits for Fe 273.955 Recovery = 92.18%								
K 404.721†	-397.8	-11.7883	mg/L	0.68251	-11.7883	mg/L	0.68251	5.79%
Mg 279.077†	10503691.6	505.541	mg/L	6.2832	505.541	mg/L	6.2832	1.24%
QC value within limits for Mg 279.077 Recovery = 101.11%								
Mn 257.610†	-4796.7	-0.0245777	mg/L	0.00023474	-0.0245777	mg/L	0.00023474	0.96%
Mo 202.031†	104.8	0.0088934	mg/L	0.00088921	0.0088934	mg/L	0.00088921	10.00%
Na 330.237†	758.2	1.78149	mg/L	0.025898	1.78149	mg/L	0.025898	1.45%
[illegible] 231.604†	-0.7	-0.0008700	mg/L	0.00022605	-0.0008700	mg/L	0.00022605	25.98%
Pb 220.353†	-988.4	0.0051865	mg/L	0.00024900	0.0051865	mg/L	0.00024900	4.80%
Sb 206.836†	-34.9	0.0021985	mg/L	0.00202976	0.0021985	mg/L	0.00202976	92.32%
Se 196.026†	-38.6	-0.0266898	mg/L	0.00993547	-0.0266898	mg/L	0.00993547	37.23%
Sn 189.927†	7.7	0.0042140	mg/L	0.00327462	0.0042140	mg/L	0.00327462	77.71%
Ti 334.940†	1978.8	0.0027260	mg/L	0.00003584	0.0027260	mg/L	0.00003584	1.31%
Tl 190.801†	-15.0	0.0003058	mg/L	0.00431416	0.0003058	mg/L	0.00431416	>999.9%
V 290.880†	4706.2	0.0067049	mg/L	0.00073037	0.0067049	mg/L	0.00073037	10.89%
Zn 206.200†	416.9	0.0033179	mg/L	0.00048657	0.0033179	mg/L	0.00048657	14.66%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/3/2011 3:48:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1180532.0	89.0	%	0.64				0.71%
Y 371.029	490143.6	87.5	%	0.65				0.74%
Ag 328.068†	109893.5	1.04730	mg/L	0.000652	1.04730	mg/L	0.000652	0.06%
QC value within limits for Ag 328.068 Recovery = 104.73%								
Al 308.215†	16340867.2	501.730	mg/L	0.3244	501.730	mg/L	0.3244	0.06%
QC value within limits for Al 308.215 Recovery = 100.35%								
As 188.979†	1341.3	1.02844	mg/L	0.001447	1.02844	mg/L	0.001447	0.14%
QC value within limits for As 188.979 Recovery = 102.84%								
Ba 233.527†	95422.9	0.513056	mg/L	0.0004440	0.513056	mg/L	0.0004440	0.09%
QC value within limits for Ba 233.527 Recovery = 102.61%								
Be 313.107†	1862396.5	0.503817	mg/L	0.0004569	0.503817	mg/L	0.0004569	0.09%
QC value within limits for Be 313.107 Recovery = 100.76%								
Ca 315.887†	59116088.6	478.946	mg/L	1.2857	478.946	mg/L	1.2857	0.27%
QC value within limits for Ca 315.887 Recovery = 95.79%								
Cd 228.802†	55291.8	1.02336	mg/L	0.000285	1.02336	mg/L	0.000285	0.03%
QC value within limits for Cd 228.802 Recovery = 102.34%								
Co 228.616†	20467.0	0.478171	mg/L	0.0016644	0.478171	mg/L	0.0016644	0.35%
QC value within limits for Co 228.616 Recovery = 95.63%								
Cr 267.716†	48138.1	0.497953	mg/L	0.0001053	0.497953	mg/L	0.0001053	0.02%
QC value within limits for Cr 267.716 Recovery = 99.59%								
Cu 327.393†	86016.0	0.533073	mg/L	0.0004330	0.533073	mg/L	0.0004330	0.08%
QC value within limits for Cu 327.393 Recovery = 106.61%								
Fe 273.955†	2554058.2	185.991	mg/L	0.2781	185.991	mg/L	0.2781	0.15%
QC value within limits for Fe 273.955 Recovery = 93.00%								
K 404.721†	-363.1	-10.7753	mg/L	2.03503	-10.7753	mg/L	2.03503	18.89%
Mg 279.077†	10385891.0	499.870	mg/L	1.1263	499.870	mg/L	1.1263	0.23%
QC value within limits for Mg 279.077 Recovery = 99.97%								
Mn 257.610†	240760.5	0.477536	mg/L	0.0007529	0.477536	mg/L	0.0007529	0.16%
QC value within limits for Mn 257.610 Recovery = 95.51%								
Mo 202.031†	117.1	0.0098919	mg/L	0.00026469	0.0098919	mg/L	0.00026469	2.68%
Na 330.237†	2100.7	3.11942	mg/L	0.009033	3.11942	mg/L	0.009033	0.29%
Ni 231.604†	54853.0	0.936173	mg/L	0.0005493	0.936173	mg/L	0.0005493	0.06%
QC value within limits for Ni 231.604 Recovery = 93.62%								
Pb 220.353†	11537.8	0.963328	mg/L	0.0016599	0.963328	mg/L	0.0016599	0.17%
QC value within limits for Pb 220.353 Recovery = 96.33%								
Sb 206.836†	1877.6	1.03096	mg/L	0.002200	1.03096	mg/L	0.002200	0.21%
QC value within limits for Sb 206.836 Recovery = 103.10%								
Se 196.026†	1243.1	0.977108	mg/L	0.0057913	0.977108	mg/L	0.0057913	0.59%
QC value within limits for Se 196.026 Recovery = 97.71%								
Sn 189.927†	6.9	0.0040025	mg/L	0.00058231	0.0040025	mg/L	0.00058231	14.55%
Ti 334.940†	2401.6	0.0031734	mg/L	0.00012323	0.0031734	mg/L	0.00012323	3.88%
Tl 190.801†	972.4	0.984241	mg/L	0.0069756	0.984241	mg/L	0.0069756	0.71%
QC value within limits for Tl 190.801 Recovery = 98.42%								
V 290.880†	91598.7	0.499690	mg/L	0.0004119	0.499690	mg/L	0.0004119	0.08%
QC value within limits for V 290.880 Recovery = 99.94%								
Zn 206.200†	42105.6	0.973538	mg/L	0.0031814	0.973538	mg/L	0.0031814	0.33%
QC value within limits for Zn 206.200 Recovery = 97.35%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3382 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 3/3/2011 3:54:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3382 (1)

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1361856.8	103	%	0.1				0.08%
Y 371.029	575136.2	103	%	0.1				0.15%
Ag 328.068†	43.4	0.0007393	mg/L	0.00008116	0.0007393	mg/L	0.00008116	10.98%
Al 308.215†	-87.1	0.0245398	mg/L	0.00436515	0.0245398	mg/L	0.00436515	17.79%
As 188.979†	0.2	-0.0021494	mg/L	0.00239269	-0.0021494	mg/L	0.00239269	111.32%
Ba 233.527†	139.1	0.0006731	mg/L	0.00005538	0.0006731	mg/L	0.00005538	8.23%
Be 313.107†	96.1	-0.0003773	mg/L	0.00001506	-0.0003773	mg/L	0.00001506	3.99%
Ca 315.887†	88531.2	0.467797	mg/L	0.0025641	0.467797	mg/L	0.0025641	0.55%
Cd 228.802†	-7.3	0.0007224	mg/L	0.00003846	0.0007224	mg/L	0.00003846	5.32%
Co 228.616†	0.2	-0.0001876	mg/L	0.00016005	-0.0001876	mg/L	0.00016005	85.31%
Cr 267.716†	97.7	0.0011605	mg/L	0.00003311	0.0011605	mg/L	0.00003311	2.85%
Cu 327.393†	376.8	0.0042275	mg/L	0.00011763	0.0042275	mg/L	0.00011763	2.78%
Fe 273.955†	481.4	0.0346612	mg/L	0.00031439	0.0346612	mg/L	0.00031439	0.91%
K 404.721†	-24.8	-0.909636	mg/L	3.2456996	-0.909636	mg/L	3.2456996	356.81%
Mg 279.077†	803.7	-0.113627	mg/L	0.0030263	-0.113627	mg/L	0.0030263	2.66%
Mn 257.610†	249.5	0.0004059	mg/L	0.00001351	0.0004059	mg/L	0.00001351	3.33%
Mo 202.031†	5.8	0.0004500	mg/L	0.00010554	0.0004500	mg/L	0.00010554	23.45%
Na 330.237†	149.5	1.17491	mg/L	0.004338	1.17491	mg/L	0.004338	0.37%
Ni 231.604†	54.5	0.0000670	mg/L	0.00023176	0.0000670	mg/L	0.00023176	345.77%
Pb 220.353†	3.6	-0.0003981	mg/L	0.00001149	-0.0003981	mg/L	0.00001149	2.89%
Sb 206.836†	-1.6	-0.0004850	mg/L	0.00024970	-0.0004850	mg/L	0.00024970	51.49%
Se 196.026†	1.9	0.0025647	mg/L	0.00530836	0.0025647	mg/L	0.00530836	206.98%
Sn 189.927†	6.1	0.0000760	mg/L	0.00083347	0.0000760	mg/L	0.00083347	>999.9%
Ti 334.940†	16.6	0.0006495	mg/L	0.00007438	0.0006495	mg/L	0.00007438	11.45%
Tl 190.801†	0.5	0.0000929	mg/L	0.00127943	0.0000929	mg/L	0.00127943	>999.9%
V 290.880†	-120.9	0.0002567	mg/L	0.00013836	0.0002567	mg/L	0.00013836	53.90%
Zn 206.200†	253.8	0.0044193	mg/L	0.00010102	0.0044193	mg/L	0.00010102	2.29%

Sequence No.: 12
Sample ID: LCSW 3382
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 3/3/2011 3:57:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3382

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1322221.5	99.7	%	0.84				0.84%
Y 371.029	552732.0	98.7	%	0.84				0.85%
Ag 328.068†	8974.3	0.0850128	mg/L	0.00034113	0.0850128	mg/L	0.00034113	0.40%
Al 308.215†	135488.6	4.17696	mg/L	0.024286	4.17696	mg/L	0.024286	0.58%
As 188.979†	574.4	0.427301	mg/L	0.0068571	0.427301	mg/L	0.0068571	1.60%
Ba 233.527†	81088.7	0.437622	mg/L	0.0029725	0.437622	mg/L	0.0029725	0.68%
Be 313.107†	1614774.8	0.435236	mg/L	0.0055293	0.435236	mg/L	0.0055293	1.27%
Ca 315.887†	5550344.7	44.7413	mg/L	0.53454	44.7413	mg/L	0.53454	1.19%
Cd 228.802†	23262.2	0.433235	mg/L	0.0025680	0.433235	mg/L	0.0025680	0.59%
Co 228.616†	19043.1	0.443025	mg/L	0.0020147	0.443025	mg/L	0.0020147	0.45%
Cr 267.716†	42729.0	0.438284	mg/L	0.0024757	0.438284	mg/L	0.0024757	0.56%
Cu 327.393†	68987.4	0.432786	mg/L	0.0019795	0.432786	mg/L	0.0019795	0.46%
Fe 273.955†	59138.5	4.31816	mg/L	0.021129	4.31816	mg/L	0.021129	0.49%
K 404.721†	1250.9	36.2942	mg/L	0.60609	36.2942	mg/L	0.60609	1.67%
Mg 279.077†	912733.7	43.7977	mg/L	0.53458	43.7977	mg/L	0.53458	1.22%
Mn 257.610†	212254.9	0.431970	mg/L	0.0022886	0.431970	mg/L	0.0022886	0.53%
Mo 202.031†	5470.1	0.434818	mg/L	0.0097668	0.434818	mg/L	0.0097668	2.25%
Na 330.237†	38877.5	39.7690	mg/L	0.23522	39.7690	mg/L	0.23522	0.59%
Ni 231.604†	25922.8	0.442257	mg/L	0.0029595	0.442257	mg/L	0.0029595	0.67%
Pb 220.353†	5719.7	0.438323	mg/L	0.0079436	0.438323	mg/L	0.0079436	1.81%
Sb 206.836†	791.1	0.425900	mg/L	0.0093798	0.425900	mg/L	0.0093798	2.20%
Se 196.026†	547.1	0.429617	mg/L	0.0034892	0.429617	mg/L	0.0034892	0.81%
Sn 189.927†	1400.3	0.441434	mg/L	0.0089971	0.441434	mg/L	0.0089971	2.04%
Ti 334.940†	409222.5	0.433685	mg/L	0.0057652	0.433685	mg/L	0.0057652	1.33%
Tl 190.801†	452.9	0.452681	mg/L	0.0099469	0.452681	mg/L	0.0099469	2.20%
V 290.880†	76667.6	0.434831	mg/L	0.0026729	0.434831	mg/L	0.0026729	0.61%
Zn 206.200†	19098.1	0.442733	mg/L	0.0037798	0.442733	mg/L	0.0037798	0.85%

Sequence No.: 13
Sample ID: LCSW MR 3382
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 3/3/2011 4:01:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3382

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1311278.9	98.9	%	0.44				0.45%
Y 371.029	548064.2	97.9	%	0.43				0.43%
Ag 328.068†	9053.3	0.0857588	mg/L	0.00086304	0.0857588	mg/L	0.00086304	1.01%
Al 308.215†	136399.5	4.20485	mg/L	0.055929	4.20485	mg/L	0.055929	1.33%
As 188.979†	579.1	0.430798	mg/L	0.0018721	0.430798	mg/L	0.0018721	0.43%
Ba 233.527†	81663.4	0.440725	mg/L	0.0042384	0.440725	mg/L	0.0042384	0.96%
Be 313.107†	1615535.8	0.435442	mg/L	0.0058228	0.435442	mg/L	0.0058228	1.34%
Ca 315.887†	5544266.6	44.6920	mg/L	0.58926	44.6920	mg/L	0.58926	1.32%
Cd 228.802†	23314.9	0.434214	mg/L	0.0031515	0.434214	mg/L	0.0031515	0.73%
Co 228.616†	19122.2	0.444874	mg/L	0.0043586	0.444874	mg/L	0.0043586	0.98%
Cr 267.716†	42863.1	0.439667	mg/L	0.0040718	0.439667	mg/L	0.0040718	0.93%
Cu 327.393†	69543.0	0.436264	mg/L	0.0051941	0.436264	mg/L	0.0051941	1.19%
Fe 273.955†	59042.8	4.31119	mg/L	0.043214	4.31119	mg/L	0.043214	1.00%
K 404.721†	1276.0	37.0245	mg/L	1.37674	37.0245	mg/L	1.37674	3.72%
Mg 279.077†	912052.4	43.7649	mg/L	0.58213	43.7649	mg/L	0.58213	1.33%
Mn 257.610†	213253.1	0.434012	mg/L	0.0044846	0.434012	mg/L	0.0044846	1.03%
Mo 202.031†	5510.1	0.438006	mg/L	0.0018740	0.438006	mg/L	0.0018740	0.43%
Na 330.237†	39247.5	40.1377	mg/L	0.47418	40.1377	mg/L	0.47418	1.18%
Ni 231.604†	25955.5	0.442818	mg/L	0.0043428	0.442818	mg/L	0.0043428	0.98%
Pb 220.353†	5762.4	0.441605	mg/L	0.0009670	0.441605	mg/L	0.0009670	0.22%
Sb 206.836†	806.7	0.434280	mg/L	0.0011507	0.434280	mg/L	0.0011507	0.26%
Se 196.026†	551.2	0.432874	mg/L	0.0095119	0.432874	mg/L	0.0095119	2.20%
Sn 189.927†	1408.2	0.443918	mg/L	0.0020469	0.443918	mg/L	0.0020469	0.46%
Ti 334.940†	409348.2	0.433818	mg/L	0.0061505	0.433818	mg/L	0.0061505	1.42%
Tl 190.801†	459.3	0.458986	mg/L	0.0003807	0.458986	mg/L	0.0003807	0.08%
V 290.880†	76946.6	0.436416	mg/L	0.0047573	0.436416	mg/L	0.0047573	1.09%
Zn 206.200†	19119.2	0.443222	mg/L	0.0037346	0.443222	mg/L	0.0037346	0.84%

Sequence No.: 14
Sample ID: 57098-015
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 3/3/2011 4:05:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1349616.7	102	%	1.4				1.33%
Y 371.029	569193.9	102	%	1.4				1.34%
Ag 328.068†	55.6	0.0008538	mg/L	0.00016089	0.0008538	mg/L	0.00016089	18.84%
Al 308.215†	4406.9	0.162488	mg/L	0.0106402	0.162488	mg/L	0.0106402	6.55%
As 188.979†	1.9	-0.0009821	mg/L	0.00011020	-0.0009821	mg/L	0.00011020	11.22%
Ba 233.527†	948.5	0.0050425	mg/L	0.00000339	0.0050425	mg/L	0.00000339	0.07%
Be 313.107†	151.8	-0.0003626	mg/L	0.00000838	-0.0003626	mg/L	0.00000838	2.31%
Ca 315.887†	598648.9	4.60282	mg/L	0.081880	4.60282	mg/L	0.081880	1.78%
Cd 228.802†	9.4	0.0010313	mg/L	0.00003033	0.0010313	mg/L	0.00003033	2.94%
Co 228.616†	5.4	-0.0000599	mg/L	0.00000316	-0.0000599	mg/L	0.00000316	5.27%
Cr 267.716†	56.4	0.0007458	mg/L	0.00014878	0.0007458	mg/L	0.00014878	19.95%
Cu 327.393†	425.1	0.0044676	mg/L	0.00027048	0.0044676	mg/L	0.00027048	6.05%
Fe 273.955†	375.3	0.0269739	mg/L	0.00375642	0.0269739	mg/L	0.00375642	13.93%
K 404.721†	-111.0	-3.42450	mg/L	2.915959	-3.42450	mg/L	2.915959	85.15%
Mg 279.077†	2544.4	-0.0298026	mg/L	0.00074776	-0.0298026	mg/L	0.00074776	2.51%
Mn 257.610†	947.5	0.0018285	mg/L	0.00001268	0.0018285	mg/L	0.00001268	0.69%
Mo 202.031†	21.3	0.0015884	mg/L	0.00078443	0.0015884	mg/L	0.00078443	49.38%
Na 330.237†	524.5	1.54862	mg/L	0.004552	1.54862	mg/L	0.004552	0.29%
Ni 231.604†	32.7	-0.0003035	mg/L	0.00017265	-0.0003035	mg/L	0.00017265	56.89%
Pb 220.353†	3.5	-0.0003923	mg/L	0.00117320	-0.0003923	mg/L	0.00117320	299.09%
Sb 206.836†	-3.8	-0.0016522	mg/L	0.00156181	-0.0016522	mg/L	0.00156181	94.53%
Se 196.026†	0.2	0.0012204	mg/L	0.00119524	0.0012204	mg/L	0.00119524	97.94%
Sn 189.927†	9.8	0.0013330	mg/L	0.00055231	0.0013330	mg/L	0.00055231	41.43%
Ti 334.940†	444.5	0.0011024	mg/L	0.00000767	0.0011024	mg/L	0.00000767	0.70%
Tl 190.801†	1.2	0.0008586	mg/L	0.00131585	0.0008586	mg/L	0.00131585	153.25%
V 290.880†	-32.4	0.0007577	mg/L	0.00084769	0.0007577	mg/L	0.00084769	111.88%
Zn 206.200†	599.6	0.0124891	mg/L	0.00024310	0.0124891	mg/L	0.00024310	1.95%

Sequence No.: 15
Sample ID: 57098-015 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 3/3/2011 4:08:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1354013.6	102	%	0.2				0.23%
Y 371.029	570957.4	102	%	0.2				0.20%
Ag 328.068†	41.8	0.0007219	mg/L	0.00041374	0.0007219	mg/L	0.00041374	57.31%
Al 308.215†	5481.9	0.195495	mg/L	0.0005217	0.195495	mg/L	0.0005217	0.27%
As 188.979†	2.3	-0.0006523	mg/L	0.00315397	-0.0006523	mg/L	0.00315397	483.55%
Ba 233.527†	1111.9	0.0059241	mg/L	0.00001529	0.0059241	mg/L	0.00001529	0.26%
Be 313.107†	41.0	-0.0003931	mg/L	0.00000896	-0.0003931	mg/L	0.00000896	2.28%
Ca 315.887†	688407.6	5.33040	mg/L	0.088925	5.33040	mg/L	0.088925	1.67%
Cd 228.802†	1.5	0.0008829	mg/L	0.00012858	0.0008829	mg/L	0.00012858	14.56%
Co 228.616†	10.1	0.0000428	mg/L	0.00015915	0.0000428	mg/L	0.00015915	372.01%
Cr 267.716†	64.5	0.0008313	mg/L	0.00003034	0.0008313	mg/L	0.00003034	3.65%
Cu 327.393†	331.3	0.0038687	mg/L	0.00027952	0.0038687	mg/L	0.00027952	7.23%
Fe 273.955†	1069.8	0.0775253	mg/L	0.00149556	0.0775253	mg/L	0.00149556	1.93%
K 404.721†	-83.9	-2.63402	mg/L	4.452563	-2.63402	mg/L	4.452563	169.04%
Mg 279.077†	3984.9	0.0395501	mg/L	0.00230988	0.0395501	mg/L	0.00230988	5.84%
Mn 257.610†	2359.8	0.0047136	mg/L	0.00007746	0.0047136	mg/L	0.00007746	1.64%
Mo 202.031†	19.6	0.0014385	mg/L	0.00059755	0.0014385	mg/L	0.00059755	41.54%
Na 330.237†	587.3	1.61124	mg/L	0.016337	1.61124	mg/L	0.016337	1.01%
Ni 231.604†	33.9	-0.0002842	mg/L	0.00063538	-0.0002842	mg/L	0.00063538	223.59%
Pb 220.353†	18.3	0.0007445	mg/L	0.00063474	0.0007445	mg/L	0.00063474	85.25%
Sb 206.836†	-1.1	-0.0002284	mg/L	0.00306476	-0.0002284	mg/L	0.00306476	>999.9%
Se 196.026†	0.2	0.0011986	mg/L	0.00020244	0.0011986	mg/L	0.00020244	16.89%
Sn 189.927†	3.7	-0.0005806	mg/L	0.00053378	-0.0005806	mg/L	0.00053378	91.93%
Ti 334.940†	1993.8	0.0027419	mg/L	0.00030930	0.0027419	mg/L	0.00030930	11.28%
Tl 190.801†	1.0	0.0006497	mg/L	0.00142889	0.0006497	mg/L	0.00142889	219.93%
V 290.880†	-41.0	0.0007057	mg/L	0.00011949	0.0007057	mg/L	0.00011949	16.93%
Zn 206.200†	671.0	0.0141512	mg/L	0.00006342	0.0141512	mg/L	0.00006342	0.45%

Sequence No.: 16
Sample ID: 57098-015 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 3/3/2011 4:12:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 SPLP SPK

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1308969.8	98.7	%	0.30				0.30%
Y 371.029	548012.2	97.9	%	0.26				0.27%
Ag 328.068†	9193.2	0.0870729	mg/L	0.00019630	0.0870729	mg/L	0.00019630	0.23%
Al 308.215†	145676.9	4.48943	mg/L	0.010647	4.48943	mg/L	0.010647	0.24%
As 188.979†	604.0	0.449409	mg/L	0.0007852	0.449409	mg/L	0.0007852	0.17%
Ba 233.527†	854630.6	4.61348	mg/L	0.054031	4.61348	mg/L	0.054031	1.17%
Be 313.107†	1640193.0	0.442095	mg/L	0.0054263	0.442095	mg/L	0.0054263	1.23%
Ca 315.887†	6245060.3	50.3727	mg/L	0.61372	50.3727	mg/L	0.61372	1.22%
Cd 228.802†	23827.5	0.443740	mg/L	0.0002064	0.443740	mg/L	0.0002064	0.05%
Co 228.616†	19527.4	0.454324	mg/L	0.0005849	0.454324	mg/L	0.0005849	0.13%
Cr 267.716†	43646.5	0.447721	mg/L	0.0005312	0.447721	mg/L	0.0005312	0.12%
Cu 327.393†	71051.6	0.445619	mg/L	0.0010098	0.445619	mg/L	0.0010098	0.23%
Fe 273.955†	60879.5	4.44510	mg/L	0.004092	4.44510	mg/L	0.004092	0.09%
K 404.721†	1406.2	40.8216	mg/L	2.18113	40.8216	mg/L	2.18113	5.34%
Mg 279.077†	928307.9	44.5477	mg/L	0.53049	44.5477	mg/L	0.53049	1.19%
Mn 257.610†	220015.8	0.447806	mg/L	0.0008548	0.447806	mg/L	0.0008548	0.19%
Mo 202.031†	5648.8	0.448919	mg/L	0.0029732	0.448919	mg/L	0.0029732	0.66%
Na 330.237†	40736.5	41.6216	mg/L	0.12130	41.6216	mg/L	0.12130	0.29%
Ni 231.604†	26496.5	0.452067	mg/L	0.0001186	0.452067	mg/L	0.0001186	0.03%
Pb 220.353†	61571.1	4.71483	mg/L	0.013582	4.71483	mg/L	0.013582	0.29%
Sb 206.836†	829.8	0.446709	mg/L	0.0018192	0.446709	mg/L	0.0018192	0.41%
Se 196.026†	574.1	0.450793	mg/L	0.0020644	0.450793	mg/L	0.0020644	0.46%
Sn 189.927†	1456.3	0.459241	mg/L	0.0023827	0.459241	mg/L	0.0023827	0.52%
Ti 334.940†	413973.6	0.438713	mg/L	0.0057049	0.438713	mg/L	0.0057049	1.30%
Tl 190.801†	473.0	0.472754	mg/L	0.0009817	0.472754	mg/L	0.0009817	0.21%
V 290.880†	78522.8	0.445335	mg/L	0.0006157	0.445335	mg/L	0.0006157	0.14%
Zn 206.200†	19770.4	0.458395	mg/L	0.0012283	0.458395	mg/L	0.0012283	0.27%

Sequence No.: 17
Sample ID: 57098-015 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 3/3/2011 4:15:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 PS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1318238.1	99.4	%	0.83				0.84%
Y 371.029	550507.5	98.3	%	0.77				0.79%
Ag 328.068†	8606.0	0.0814541	mg/L	0.00123279	0.0814541	mg/L	0.00123279	1.51%
Al 308.215†	152360.4	4.69383	mg/L	0.071236	4.69383	mg/L	0.071236	1.52%
As 188.979†	639.4	0.475818	mg/L	0.0013334	0.475818	mg/L	0.0013334	0.28%
Ba 233.527†	88859.0	0.479566	mg/L	0.0059405	0.479566	mg/L	0.0059405	1.24%
Be 313.107†	1748031.7	0.471188	mg/L	0.0062591	0.471188	mg/L	0.0062591	1.33%
Ca 315.887†	6503199.3	52.4652	mg/L	0.63191	52.4652	mg/L	0.63191	1.20%
Cd 228.802†	25156.9	0.468450	mg/L	0.0054220	0.468450	mg/L	0.0054220	1.16%
Co 228.616†	20614.1	0.479641	mg/L	0.0071202	0.479641	mg/L	0.0071202	1.48%
Cr 267.716†	46160.4	0.473536	mg/L	0.0063344	0.473536	mg/L	0.0063344	1.34%
Cu 327.393†	74322.6	0.466046	mg/L	0.0054338	0.466046	mg/L	0.0054338	1.17%
Fe 273.955†	63972.6	4.67118	mg/L	0.054675	4.67118	mg/L	0.054675	1.17%
K 404.721†	1467.5	42.6107	mg/L	1.09784	42.6107	mg/L	1.09784	2.58%
Mg 279.077†	987894.0	47.4170	mg/L	0.58232	47.4170	mg/L	0.58232	1.23%
Mn 257.610†	230355.3	0.468826	mg/L	0.0061089	0.468826	mg/L	0.0061089	1.30%
Mo 202.031†	6084.0	0.483543	mg/L	0.0060947	0.483543	mg/L	0.0060947	1.26%
Na 330.237†	43005.3	43.8826	mg/L	0.60694	43.8826	mg/L	0.60694	1.38%
Ni 231.604†	27958.6	0.477068	mg/L	0.0067684	0.477068	mg/L	0.0067684	1.42%
Pb 220.353†	6320.4	0.484458	mg/L	0.0051434	0.484458	mg/L	0.0051434	1.06%
Sb 206.836†	885.4	0.476614	mg/L	0.0026690	0.476614	mg/L	0.0026690	0.56%
Se 196.026†	607.4	0.476867	mg/L	0.0071201	0.476867	mg/L	0.0071201	1.49%
[illegible] 189.927†	1566.0	0.493920	mg/L	0.0052936	0.493920	mg/L	0.0052936	1.07%
Ti 334.940†	441017.4	0.467332	mg/L	0.0063773	0.467332	mg/L	0.0063773	1.36%
Tl 190.801†	520.1	0.519748	mg/L	0.0002409	0.519748	mg/L	0.0002409	0.05%
V 290.880†	82968.2	0.470490	mg/L	0.0068454	0.470490	mg/L	0.0068454	1.45%
Zn 206.200†	21227.9	0.492295	mg/L	0.0068833	0.492295	mg/L	0.0068833	1.40%

Sequence No.: 18
Sample ID: 57098-015 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 3/3/2011 4:19:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 SD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1341006.4	101	%	0.8				0.74%
Y 371.029	566085.1	101	%	0.7				0.67%
Ag 328.068†	81.4	0.0010995	mg/L	0.00007048	0.0010995	mg/L	0.00007048	6.41%
Al 308.215†	1019.1	0.0584870	mg/L	0.00227263	0.0584870	mg/L	0.00227263	3.89%
As 188.979†	4.2	0.0008307	mg/L	0.00016605	0.0008307	mg/L	0.00016605	19.99%
Ba 233.527†	191.3	0.0009550	mg/L	0.00002683	0.0009550	mg/L	0.00002683	2.81%
Be 313.107†	-9.1	-0.0004060	mg/L	0.00000516	-0.0004060	mg/L	0.00000516	1.27%
Ca 315.887†	121664.9	0.736379	mg/L	0.0072187	0.736379	mg/L	0.0072187	0.98%
Cd 228.802†	12.3	0.0010853	mg/L	0.00008030	0.0010853	mg/L	0.00008030	7.40%
Co 228.616†	18.2	0.0002339	mg/L	0.00011017	0.0002339	mg/L	0.00011017	47.09%
Cr 267.716†	11.9	0.0002880	mg/L	0.00017804	0.0002880	mg/L	0.00017804	61.82%
Cu 327.393†	238.8	0.0033598	mg/L	0.00017363	0.0033598	mg/L	0.00017363	5.17%
Fe 273.955†	40.7	0.0025924	mg/L	0.00329114	0.0025924	mg/L	0.00329114	126.95%
K 404.721†	23.3	0.493910	mg/L	0.0251028	0.493910	mg/L	0.0251028	5.08%
Mg 279.077†	424.0	-0.131893	mg/L	0.0052932	-0.131893	mg/L	0.0052932	4.01%
Mn 257.610†	123.5	0.0001480	mg/L	0.00002536	0.0001480	mg/L	0.00002536	17.13%
Mo 202.031†	14.8	0.0011651	mg/L	0.00010720	0.0011651	mg/L	0.00010720	9.20%
Na 330.237†	78.8	1.10449	mg/L	0.000171	1.10449	mg/L	0.000171	0.02%
Ni 231.604†	28.8	-0.0003714	mg/L	0.00000809	-0.0003714	mg/L	0.00000809	2.18%
Pb 220.353†	5.9	-0.0002087	mg/L	0.00082669	-0.0002087	mg/L	0.00082669	396.12%
Sb 206.836†	0.4	0.0005966	mg/L	0.00083029	0.0005966	mg/L	0.00083029	139.17%
Se 196.026†	3.2	0.0035220	mg/L	0.00385877	0.0035220	mg/L	0.00385877	109.56%
Sn 189.927†	12.9	0.0022226	mg/L	0.00025722	0.0022226	mg/L	0.00025722	11.57%
Ti 334.940†	130.0	0.0007695	mg/L	0.00001753	0.0007695	mg/L	0.00001753	2.28%
Tl 190.801†	-0.5	-0.0009180	mg/L	0.00032689	-0.0009180	mg/L	0.00032689	35.61%
V 290.880†	35.7	0.0011475	mg/L	0.00025700	0.0011475	mg/L	0.00025700	22.40%
Zn 206.200†	158.8	0.0022095	mg/L	0.00007124	0.0022095	mg/L	0.00007124	3.22%

Sequence No.: 19
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/3/2011 4:23:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1294782.7	97.6	%	0.01				0.01%
Y 371.029	540685.0	96.5	%	0.01				0.01%
Ag 328.068†	10488.5	0.0992992	mg/L	0.00057950	0.0992992	mg/L	0.00057950	0.58%
QC value within limits for Ag 328.068 Recovery = 99.30%								
Al 308.215†	159264.2	4.90516	mg/L	0.009827	4.90516	mg/L	0.009827	0.20%
QC value within limits for Al 308.215 Recovery = 98.10%								
As 188.979†	685.2	0.510176	mg/L	0.0152573	0.510176	mg/L	0.0152573	2.99%
QC value within limits for As 188.979 Recovery = 102.04%								
Ba 233.527†	94012.9	0.507385	mg/L	0.0011543	0.507385	mg/L	0.0011543	0.23%
QC value within limits for Ba 233.527 Recovery = 101.48%								
Be 313.107†	1879512.8	0.506663	mg/L	0.0066587	0.506663	mg/L	0.0066587	1.31%
QC value within limits for Be 313.107 Recovery = 101.33%								
Ca 315.887†	6344460.4	51.1784	mg/L	0.64509	51.1784	mg/L	0.64509	1.26%
QC value within limits for Ca 315.887 Recovery = 102.36%								
Cd 228.802†	27077.1	0.504141	mg/L	0.0009259	0.504141	mg/L	0.0009259	0.18%
QC value within limits for Cd 228.802 Recovery = 100.83%								
Co 228.616†	22032.2	0.512633	mg/L	0.0010085	0.512633	mg/L	0.0010085	0.20%
QC value within limits for Co 228.616 Recovery = 102.53%								
Cr 267.716†	49422.0	0.506951	mg/L	0.0000339	0.506951	mg/L	0.0000339	0.01%
QC value within limits for Cr 267.716 Recovery = 101.39%								
Cu 327.393†	79464.7	0.498236	mg/L	0.0001588	0.498236	mg/L	0.0001588	0.03%
QC value within limits for Cu 327.393 Recovery = 99.65%								
Fe 273.955†	68439.1	4.99736	mg/L	0.011566	4.99736	mg/L	0.011566	0.23%
QC value within limits for Fe 273.955 Recovery = 99.95%								
K 404.721†	1591.2	46.2168	mg/L	0.42819	46.2168	mg/L	0.42819	0.93%
QC value within limits for K 404.721 Recovery = 92.43%								
Mg 279.077†	1057838.1	50.7849	mg/L	0.64205	50.7849	mg/L	0.64205	1.26%
QC value within limits for Mg 279.077 Recovery = 101.57%								
Mn 257.610†	246264.1	0.501205	mg/L	0.0011482	0.501205	mg/L	0.0011482	0.23%
QC value within limits for Mn 257.610 Recovery = 100.24%								
Mo 202.031†	6430.0	0.511151	mg/L	0.0052776	0.511151	mg/L	0.0052776	1.03%
QC value within limits for Mo 202.031 Recovery = 102.23%								
Na 330.237†	45844.3	46.7117	mg/L	0.15476	46.7117	mg/L	0.15476	0.33%
QC value within limits for Na 330.237 Recovery = 93.42%								
Ni 231.604†	30066.2	0.513088	mg/L	0.0021133	0.513088	mg/L	0.0021133	0.41%
QC value within limits for Ni 231.604 Recovery = 102.62%								
Pb 220.353†	6720.7	0.515171	mg/L	0.0051150	0.515171	mg/L	0.0051150	0.99%
QC value within limits for Pb 220.353 Recovery = 103.03%								
Sb 206.836†	933.4	0.502442	mg/L	0.0043380	0.502442	mg/L	0.0043380	0.86%
QC value within limits for Sb 206.836 Recovery = 100.49%								
Se 196.026†	653.4	0.512868	mg/L	0.0086450	0.512868	mg/L	0.0086450	1.69%
QC value within limits for Se 196.026 Recovery = 102.57%								
Sn 189.927†	1632.2	0.514830	mg/L	0.0075017	0.514830	mg/L	0.0075017	1.46%
QC value within limits for Sn 189.927 Recovery = 102.97%								
Ti 334.940†	469561.7	0.497538	mg/L	0.0069464	0.497538	mg/L	0.0069464	1.40%
QC value within limits for Ti 334.940 Recovery = 99.51%								
Tl 190.801†	539.2	0.538887	mg/L	0.0093318	0.538887	mg/L	0.0093318	1.73%
QC value within limits for Tl 190.801 Recovery = 107.78%								
V 290.880†	88674.5	0.502778	mg/L	0.0007866	0.502778	mg/L	0.0007866	0.16%
QC value within limits for V 290.880 Recovery = 100.56%								
Zn 206.200†	22239.7	0.515800	mg/L	0.0018252	0.515800	mg/L	0.0018252	0.35%
QC value within limits for Zn 206.200 Recovery = 103.16%								

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 3/3/2011 4:26:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1326021.0	100.0	%	0.96				0.96%
Y 371.029	559726.4	99.9	%	0.86				0.86%
Ag 328.068†	71.6	0.0010068	mg/L	0.00009483	0.0010068	mg/L	0.00009483	9.42%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-73.2	0.0249597	mg/L	0.00627868	0.0249597	mg/L	0.00627868	25.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.7	0.0004753	mg/L	0.00003139	0.0004753	mg/L	0.00003139	6.60%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	17.5	0.0000172	mg/L	0.00003538	0.0000172	mg/L	0.00003538	205.93%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	118.1	-0.0003717	mg/L	0.00000742	-0.0003717	mg/L	0.00000742	2.00%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	1208.4	-0.240043	mg/L	0.0019012	-0.240043	mg/L	0.0019012	0.79%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	2.2	0.0008995	mg/L	0.00009236	0.0008995	mg/L	0.00009236	10.27%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	8.7	0.0000124	mg/L	0.00024835	0.0000124	mg/L	0.00024835	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-5.4	0.0001087	mg/L	0.00020772	0.0001087	mg/L	0.00020772	191.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	322.2	0.0038964	mg/L	0.00050255	0.0038964	mg/L	0.00050255	12.90%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-2.7	-0.0005676	mg/L	0.00524707	-0.0005676	mg/L	0.00524707	924.46%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	27.7	0.620813	mg/L	1.3489059	0.620813	mg/L	1.3489059	217.28%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-54.6	-0.154946	mg/L	0.0064087	-0.154946	mg/L	0.0064087	4.14%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	6.9	-0.0000894	mg/L	0.00004773	-0.0000894	mg/L	0.00004773	53.41%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.7	0.0007826	mg/L	0.00064546	0.0007826	mg/L	0.00064546	82.47%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	62.8	1.08856	mg/L	0.024443	1.08856	mg/L	0.024443	2.25%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	11.1	-0.0006732	mg/L	0.00014975	-0.0006732	mg/L	0.00014975	22.25%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.8	-0.0003774	mg/L	0.00018904	-0.0003774	mg/L	0.00018904	50.08%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.9	-0.0006599	mg/L	0.00171130	-0.0006599	mg/L	0.00171130	259.32%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.7	0.0055352	mg/L	0.00186189	0.0055352	mg/L	0.00186189	33.64%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	16.0	0.0032012	mg/L	0.00034935	0.0032012	mg/L	0.00034935	10.91%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	89.6	0.0007268	mg/L	0.00004427	0.0007268	mg/L	0.00004427	6.09%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.4	0.0019837	mg/L	0.00078241	0.0019837	mg/L	0.00078241	39.44%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-54.8	0.0006344	mg/L	0.00039931	0.0006344	mg/L	0.00039931	62.95%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	22.7	-0.0009631	mg/L	0.00002495	-0.0009631	mg/L	0.00002495	2.59%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21
Sample ID: 57100-016
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 3/3/2011 4:30:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-016

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1351061.2	102	%	0.2				0.24%
Y 371.029	571663.0	102	%	0.2				0.18%
Ag 328.068†	80.5	0.0010899	mg/L	0.00009424	0.0010899	mg/L	0.00009424	8.65%
Al 308.215†	5506.5	0.196242	mg/L	0.0044532	0.196242	mg/L	0.0044532	2.27%
As 188.979†	0.4	-0.0020947	mg/L	0.00180872	-0.0020947	mg/L	0.00180872	86.35%
Ba 233.527†	1194.1	0.0063684	mg/L	0.00008041	0.0063684	mg/L	0.00008041	1.26%
Be 313.107†	86.6	-0.0003806	mg/L	0.00000115	-0.0003806	mg/L	0.00000115	0.30%
Ca 315.887†	824090.3	6.43025	mg/L	0.098165	6.43025	mg/L	0.098165	1.53%
Cd 228.802†	4.6	0.0009415	mg/L	0.00013513	0.0009415	mg/L	0.00013513	14.35%
Co 228.616†	3.8	-0.0000982	mg/L	0.00018728	-0.0000982	mg/L	0.00018728	190.61%
Cr 267.716†	155.9	0.0017631	mg/L	0.00006964	0.0017631	mg/L	0.00006964	3.95%
Cu 327.393†	364.1	0.0040574	mg/L	0.00024153	0.0040574	mg/L	0.00024153	5.95%
Fe 273.955†	637.6	0.0460467	mg/L	0.00195937	0.0460467	mg/L	0.00195937	4.26%
K 404.721†	12.8	0.187153	mg/L	1.7971864	0.187153	mg/L	1.7971864	960.27%
Mg 279.077†	1806.8	-0.0653074	mg/L	0.00276695	-0.0653074	mg/L	0.00276695	4.24%
Mn 257.610†	1600.1	0.0031647	mg/L	0.00000479	0.0031647	mg/L	0.00000479	0.15%
Mo 202.031†	24.3	0.0017838	mg/L	0.00037731	0.0017838	mg/L	0.00037731	21.15%
Na 330.237†	663.6	1.68722	mg/L	0.030165	1.68722	mg/L	0.030165	1.79%
Ni 231.604†	91.3	0.0006978	mg/L	0.00010067	0.0006978	mg/L	0.00010067	14.43%
Pb 220.353†	32.7	0.0018408	mg/L	0.00050794	0.0018408	mg/L	0.00050794	27.59%
Sb 206.836†	-1.9	-0.0006780	mg/L	0.00022489	-0.0006780	mg/L	0.00022489	33.17%
Se 196.026†	6.1	0.0057883	mg/L	0.00045999	0.0057883	mg/L	0.00045999	7.95%
Sn 189.927†	6.7	0.0003923	mg/L	0.00004405	0.0003923	mg/L	0.00004405	11.23%
Ti 334.940†	1224.0	0.0019273	mg/L	0.00008200	0.0019273	mg/L	0.00008200	4.25%
Tl 190.801†	2.7	0.0023546	mg/L	0.00145549	0.0023546	mg/L	0.00145549	61.81%
V 290.880†	-96.2	0.0003965	mg/L	0.00010304	0.0003965	mg/L	0.00010304	25.99%
Zn 206.200†	429.8	0.0085440	mg/L	0.00004113	0.0085440	mg/L	0.00004113	0.48%

Sequence No.: 22
Sample ID: EF-DIH2O 2/25
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 3/3/2011 4:34:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: EF-DIH2O 2/25

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1362015.5	103	%	0.6				0.55%
Y 371.029	574884.4	103	%	0.5				0.51%
Ag 328.068†	65.1	0.0009463	mg/L	0.00015782	0.0009463	mg/L	0.00015782	16.68%
Al 308.215†	127.3	0.0311307	mg/L	0.00071484	0.0311307	mg/L	0.00071484	2.30%
As 188.979†	4.1	0.0007725	mg/L	0.00113462	0.0007725	mg/L	0.00113462	146.87%
Ba 233.527†	51.9	0.0002023	mg/L	0.00007362	0.0002023	mg/L	0.00007362	36.39%
Be 313.107†	9.2	-0.0004009	mg/L	0.00001021	-0.0004009	mg/L	0.00001021	2.55%
Ca 315.887†	29475.5	-0.0109091	mg/L	0.00060364	-0.0109091	mg/L	0.00060364	5.53%
Cd 228.802†	8.7	0.0010193	mg/L	0.00002697	0.0010193	mg/L	0.00002697	2.65%
Co 228.616†	2.3	-0.0001396	mg/L	0.00008687	-0.0001396	mg/L	0.00008687	62.24%
Cr 267.716†	22.0	0.0003865	mg/L	0.00000911	0.0003865	mg/L	0.00000911	2.36%
Cu 327.393†	256.2	0.0034803	mg/L	0.00025981	0.0034803	mg/L	0.00025981	7.47%
Fe 273.955†	382.3	0.0274377	mg/L	0.00075599	0.0274377	mg/L	0.00075599	2.76%
K 404.721†	-49.1	-1.61989	mg/L	1.311676	-1.61989	mg/L	1.311676	80.97%
Mg 279.077†	14.3	-0.151637	mg/L	0.0016377	-0.151637	mg/L	0.0016377	1.08%
Mn 257.610†	131.6	0.0001663	mg/L	0.00000521	0.0001663	mg/L	0.00000521	3.13%
Mo 202.031†	1.9	0.0001522	mg/L	0.00049917	0.0001522	mg/L	0.00049917	327.88%
Na 330.237†	85.7	1.11133	mg/L	0.037145	1.11133	mg/L	0.037145	3.34%
Ni 231.604†	8.9	-0.0007109	mg/L	0.00015776	-0.0007109	mg/L	0.00015776	22.19%
Pb 220.353†	-9.1	-0.0013659	mg/L	0.00021991	-0.0013659	mg/L	0.00021991	16.10%
Sb 206.836†	-1.8	-0.0006085	mg/L	0.00060077	-0.0006085	mg/L	0.00060077	98.73%
Se 196.026†	0.7	0.0016157	mg/L	0.00550585	0.0016157	mg/L	0.00550585	340.76%
Sn 189.927†	7.9	0.0006503	mg/L	0.00142629	0.0006503	mg/L	0.00142629	219.33%
Ti 334.940†	129.2	0.0007687	mg/L	0.00003779	0.0007687	mg/L	0.00003779	4.92%
Tl 190.801†	0.2	-0.0001927	mg/L	0.00154792	-0.0001927	mg/L	0.00154792	803.29%
V 290.880†	-159.5	0.0000391	mg/L	0.00036185	0.0000391	mg/L	0.00036185	924.72%
Zn 206.200†	218.2	0.0035884	mg/L	0.00022782	0.0035884	mg/L	0.00022782	6.35%

Sequence No.: 23
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/3/2011 4:37:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1194598.9	90.1	%	0.62				0.69%
Y 371.029	496084.3	88.6	%	0.61				0.69%
Ag 328.068†	-411.0	-0.0002247	mg/L	0.00052271	-0.0002247	mg/L	0.00052271	232.64%
Al 308.215†	16469461.5	505.679	mg/L	0.5504	505.679	mg/L	0.5504	0.11%
QC value within limits for Al 308.215 Recovery = 101.14%								
As 188.979†	-28.7	0.0022892	mg/L	0.00769384	0.0022892	mg/L	0.00769384	336.10%
Ba 233.527†	718.9	0.0018065	mg/L	0.00003633	0.0018065	mg/L	0.00003633	2.01%
Be 313.107†	-2656.3	0.0003769	mg/L	0.00001352	0.0003769	mg/L	0.00001352	3.59%
Ca 315.887†	59832407.3	484.752	mg/L	0.7223	484.752	mg/L	0.7223	0.15%
QC value within limits for Ca 315.887 Recovery = 96.95%								
Cd 228.802†	252.3	0.0001377	mg/L	0.00014387	0.0001377	mg/L	0.00014387	104.45%
Co 228.616†	-167.6	-0.0015370	mg/L	0.00002773	-0.0015370	mg/L	0.00002773	1.80%
Cr 267.716†	-150.3	0.0053520	mg/L	0.00008731	0.0053520	mg/L	0.00008731	1.63%
Cu 327.393†	1689.0	0.0051325	mg/L	0.00046683	0.0051325	mg/L	0.00046683	9.10%
Fe 273.955†	2557101.3	186.215	mg/L	0.2792	186.215	mg/L	0.2792	0.15%
QC value within limits for Fe 273.955 Recovery = 93.11%								
K 404.721†	-314.1	-9.34753	mg/L	0.259530	-9.34753	mg/L	0.259530	2.78%
Mg 279.077†	10522692.7	506.456	mg/L	0.5514	506.456	mg/L	0.5514	0.11%
QC value within limits for Mg 279.077 Recovery = 101.29%								
Mn 257.610†	-4890.9	-0.0247250	mg/L	0.00031582	-0.0247250	mg/L	0.00031582	1.28%
Mo 202.031†	98.2	0.0083362	mg/L	0.00006529	0.0083362	mg/L	0.00006529	0.78%
Na 330.237†	722.1	1.74553	mg/L	0.007490	1.74553	mg/L	0.007490	0.43%
Ni 231.604†	-23.2	-0.0012557	mg/L	0.00007155	-0.0012557	mg/L	0.00007155	5.70%
Pb 220.353†	-1028.1	0.0018376	mg/L	0.00112881	0.0018376	mg/L	0.00112881	61.43%
Sb 206.836†	-44.8	-0.0027458	mg/L	0.00290035	-0.0027458	mg/L	0.00290035	105.63%
Se 196.026†	-52.4	-0.0371524	mg/L	0.00382874	-0.0371524	mg/L	0.00382874	10.31%
Sn 189.927†	-7.5	-0.0005087	mg/L	0.00163783	-0.0005087	mg/L	0.00163783	321.96%
Ti 334.940†	2018.9	0.0027685	mg/L	0.00004463	0.0027685	mg/L	0.00004463	1.61%
Tl 190.801†	-18.9	-0.0035274	mg/L	0.00287615	-0.0035274	mg/L	0.00287615	81.54%
V 290.880†	4932.2	0.0078875	mg/L	0.00071124	0.0078875	mg/L	0.00071124	9.02%
Zn 206.200†	425.2	0.0034518	mg/L	0.00000476	0.0034518	mg/L	0.00000476	0.14%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/3/2011 4:43:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1211143.4	91.3	%	0.86				0.94%
Y 371.029	502662.6	89.8	%	0.83				0.92%
Ag 328.068†	107751.8	1.02694	mg/L	0.000204	1.02694	mg/L	0.000204	0.02%
QC value within limits for Ag 328.068 Recovery = 102.69%								
Al 308.215†	16220443.2	498.033	mg/L	2.0128	498.033	mg/L	2.0128	0.40%
QC value within limits for Al 308.215 Recovery = 99.61%								
As 188.979†	1345.6	1.03145	mg/L	0.002721	1.03145	mg/L	0.002721	0.26%
QC value within limits for As 188.979 Recovery = 103.15%								
Ba 233.527†	95082.5	0.511233	mg/L	0.0001921	0.511233	mg/L	0.0001921	0.04%
QC value within limits for Ba 233.527 Recovery = 102.25%								
Be 313.107†	1847652.8	0.499826	mg/L	0.0001338	0.499826	mg/L	0.0001338	0.03%
QC value within limits for Be 313.107 Recovery = 99.97%								
Ca 315.887†	59117284.8	478.955	mg/L	0.9742	478.955	mg/L	0.9742	0.20%
QC value within limits for Ca 315.887 Recovery = 95.79%								
Cd 228.802†	54912.3	1.01635	mg/L	0.000074	1.01635	mg/L	0.000074	0.01%
QC value within limits for Cd 228.802 Recovery = 101.63%								
Co 228.616†	20398.9	0.476561	mg/L	0.0029259	0.476561	mg/L	0.0029259	0.61%
QC value within limits for Co 228.616 Recovery = 95.31%								
Cr 267.716†	47754.4	0.493979	mg/L	0.0001093	0.493979	mg/L	0.0001093	0.02%
QC value within limits for Cr 267.716 Recovery = 98.80%								
Cu 327.393†	84696.8	0.524815	mg/L	0.0001488	0.524815	mg/L	0.0001488	0.03%
QC value within limits for Cu 327.393 Recovery = 104.96%								
Fe 273.955†	2535181.8	184.619	mg/L	0.0350	184.619	mg/L	0.0350	0.02%
QC value within limits for Fe 273.955 Recovery = 92.31%								
K 404.721†	-456.5	-13.5008	mg/L	1.76857	-13.5008	mg/L	1.76857	13.10%
Mg 279.077†	10408732.1	500.970	mg/L	1.3375	500.970	mg/L	1.3375	0.27%
QC value within limits for Mg 279.077 Recovery = 100.19%								
Mn 257.610†	238656.2	0.473119	mg/L	0.0000331	0.473119	mg/L	0.0000331	0.01%
QC value within limits for Mn 257.610 Recovery = 94.62%								
Mo 202.031†	89.7	0.0076117	mg/L	0.00094689	0.0076117	mg/L	0.00094689	12.44%
Na 330.237†	1985.1	3.00414	mg/L	0.051919	3.00414	mg/L	0.051919	1.73%
Ni 231.604†	54638.8	0.932513	mg/L	0.0010583	0.932513	mg/L	0.0010583	0.11%
QC value within limits for Ni 231.604 Recovery = 93.25%								
Pb 220.353†	11587.1	0.966422	mg/L	0.0014998	0.966422	mg/L	0.0014998	0.16%
QC value within limits for Pb 220.353 Recovery = 96.64%								
Sb 206.836†	1898.9	1.04218	mg/L	0.004340	1.04218	mg/L	0.004340	0.42%
QC value within limits for Sb 206.836 Recovery = 104.22%								
Se 196.026†	1252.3	0.984312	mg/L	0.0061978	0.984312	mg/L	0.0061978	0.63%
QC value within limits for Se 196.026 Recovery = 98.43%								
Sn 189.927†	-3.2	0.0008344	mg/L	0.00471872	0.0008344	mg/L	0.00471872	565.55%
Ti 334.940†	2436.3	0.0032101	mg/L	0.00002293	0.0032101	mg/L	0.00002293	0.71%
Tl 190.801†	977.7	0.989437	mg/L	0.0152378	0.989437	mg/L	0.0152378	1.54%
QC value within limits for Tl 190.801 Recovery = 98.94%								
V 290.880†	90588.3	0.493985	mg/L	0.0002488	0.493985	mg/L	0.0002488	0.05%
QC value within limits for V 290.880 Recovery = 98.80%								
Zn 206.200†	42699.1	0.987395	mg/L	0.0014887	0.987395	mg/L	0.0014887	0.15%
QC value within limits for Zn 206.200 Recovery = 98.74%								

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/3/2011 4:48:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1300260.0	98.0	%	0.70				0.71%
Y 371.029	543019.9	97.0	%	0.70				0.72%
Ag 328.068†	10584.0	0.100207	mg/L	0.0004860	0.100207	mg/L	0.0004860	0.49%
QC value within limits for Ag 328.068 Recovery = 100.21%								
Al 308.215†	160740.6	4.95050	mg/L	0.037920	4.95050	mg/L	0.037920	0.77%
QC value within limits for Al 308.215 Recovery = 99.01%								
As 188.979†	682.3	0.508006	mg/L	0.0083298	0.508006	mg/L	0.0083298	1.64%
QC value within limits for As 188.979 Recovery = 101.60%								
Ba 233.527†	94697.6	0.511081	mg/L	0.0026405	0.511081	mg/L	0.0026405	0.52%
QC value within limits for Ba 233.527 Recovery = 102.22%								
Be 313.107†	1880060.3	0.506810	mg/L	0.0072442	0.506810	mg/L	0.0072442	1.43%
QC value within limits for Be 313.107 Recovery = 101.36%								
Ca 315.887†	6350649.9	51.2286	mg/L	0.70958	51.2286	mg/L	0.70958	1.39%
QC value within limits for Ca 315.887 Recovery = 102.46%								
Cd 228.802†	27228.3	0.506952	mg/L	0.0027203	0.506952	mg/L	0.0027203	0.54%
QC value within limits for Cd 228.802 Recovery = 101.39%								
Co 228.616†	22177.3	0.516003	mg/L	0.0026572	0.516003	mg/L	0.0026572	0.51%
QC value within limits for Co 228.616 Recovery = 103.20%								
Cr 267.716†	49694.2	0.509726	mg/L	0.0032105	0.509726	mg/L	0.0032105	0.63%
QC value within limits for Cr 267.716 Recovery = 101.95%								
Cu 327.393†	79999.3	0.501580	mg/L	0.0036914	0.501580	mg/L	0.0036914	0.74%
QC value within limits for Cu 327.393 Recovery = 100.32%								
273.955†	68904.0	5.03121	mg/L	0.034679	5.03121	mg/L	0.034679	0.69%
QC value within limits for Fe 273.955 Recovery = 100.62%								
K 404.721†	1552.7	45.0962	mg/L	2.55926	45.0962	mg/L	2.55926	5.68%
QC value within limits for K 404.721 Recovery = 90.19%								
Mg 279.077†	1059661.6	50.8727	mg/L	0.71163	50.8727	mg/L	0.71163	1.40%
QC value within limits for Mg 279.077 Recovery = 101.75%								
Mn 257.610†	247739.6	0.504217	mg/L	0.0033006	0.504217	mg/L	0.0033006	0.65%
QC value within limits for Mn 257.610 Recovery = 100.84%								
Mo 202.031†	6420.2	0.510373	mg/L	0.0080970	0.510373	mg/L	0.0080970	1.59%
QC value within limits for Mo 202.031 Recovery = 102.07%								
Na 330.237†	45977.8	46.8448	mg/L	0.12478	46.8448	mg/L	0.12478	0.27%
QC value within limits for Na 330.237 Recovery = 93.69%								
Ni 231.604†	30194.4	0.515278	mg/L	0.0038812	0.515278	mg/L	0.0038812	0.75%
QC value within limits for Ni 231.604 Recovery = 103.06%								
Pb 220.353†	6729.8	0.515869	mg/L	0.0054716	0.515869	mg/L	0.0054716	1.06%
QC value within limits for Pb 220.353 Recovery = 103.17%								
Sb 206.836†	940.5	0.506231	mg/L	0.0091358	0.506231	mg/L	0.0091358	1.80%
QC value within limits for Sb 206.836 Recovery = 101.25%								
Se 196.026†	661.6	0.519351	mg/L	0.0014008	0.519351	mg/L	0.0014008	0.27%
QC value within limits for Se 196.026 Recovery = 103.87%								
Sn 189.927†	1636.2	0.516078	mg/L	0.0068612	0.516078	mg/L	0.0068612	1.33%
QC value within limits for Sn 189.927 Recovery = 103.22%								
Ti 334.940†	470184.0	0.498197	mg/L	0.0071709	0.498197	mg/L	0.0071709	1.44%
QC value within limits for Ti 334.940 Recovery = 99.64%								
Tl 190.801†	539.4	0.539079	mg/L	0.0079676	0.539079	mg/L	0.0079676	1.48%
QC value within limits for Tl 190.801 Recovery = 107.82%								
V 290.880†	89353.1	0.506625	mg/L	0.0032980	0.506625	mg/L	0.0032980	0.65%
QC value within limits for V 290.880 Recovery = 101.32%								
Zn 206.200†	22434.0	0.520321	mg/L	0.0040564	0.520321	mg/L	0.0040564	0.78%
QC value within limits for Zn 206.200 Recovery = 104.06%								

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/3/2011 4:52:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1339096.3	101	%	0.7				0.66%
Y 371.029	565322.6	101	%	0.6				0.61%
Ag 328.068†	66.6	0.0009602	mg/L	0.00056742	0.0009602	mg/L	0.00056742	59.09%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-60.7	0.0253581	mg/L	0.00658437	0.0253581	mg/L	0.00658437	25.97%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.7	0.0004209	mg/L	0.00019282	0.0004209	mg/L	0.00019282	45.81%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.9	-0.0000566	mg/L	0.00017718	-0.0000566	mg/L	0.00017718	313.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	90.2	-0.0003792	mg/L	0.00000232	-0.0003792	mg/L	0.00000232	0.61%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	1259.4	-0.239629	mg/L	0.0028529	-0.239629	mg/L	0.0028529	1.19%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	14.6	0.0011297	mg/L	0.00015224	0.0011297	mg/L	0.00015224	13.48%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.7	-0.0001303	mg/L	0.00002404	-0.0001303	mg/L	0.00002404	18.44%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-2.1	0.0001394	mg/L	0.00025138	0.0001394	mg/L	0.00025138	180.34%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	301.3	0.0037661	mg/L	0.00003128	0.0037661	mg/L	0.00003128	0.83%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	39.3	0.0024848	mg/L	0.00054845	0.0024848	mg/L	0.00054845	22.07%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-22.3	-0.838517	mg/L	2.3769751	-0.838517	mg/L	2.3769751	283.47%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	73.4	-0.148792	mg/L	0.0029992	-0.148792	mg/L	0.0029992	2.02%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-11.7	-0.0001278	mg/L	0.00005126	-0.0001278	mg/L	0.00005126	40.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.0	0.0001667	mg/L	0.00041319	0.0001667	mg/L	0.00041319	247.89%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	98.1	1.12366	mg/L	0.024504	1.12366	mg/L	0.024504	2.18%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	15.1	-0.0006066	mg/L	0.00006814	-0.0006066	mg/L	0.00006814	11.23%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.3	-0.0003406	mg/L	0.00073264	-0.0003406	mg/L	0.00073264	215.10%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.6	0.0023147	mg/L	0.00165147	0.0023147	mg/L	0.00165147	71.35%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.2	0.0027334	mg/L	0.00172531	0.0027334	mg/L	0.00172531	63.12%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	13.3	0.0023280	mg/L	0.00026493	0.0023280	mg/L	0.00026493	11.38%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	56.9	0.0006922	mg/L	0.00007218	0.0006922	mg/L	0.00007218	10.43%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.5	0.0000925	mg/L	0.00230994	0.0000925	mg/L	0.00230994	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-107.7	0.0003341	mg/L	0.00037717	0.0003341	mg/L	0.00037717	112.88%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	30.9	-0.0007717	mg/L	0.00006742	-0.0007717	mg/L	0.00006742	8.74%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Method: HGCV2 SPLP (7470A) Page 1 Date: 3/3/2011 4:59:19 PM

1st Rev CJA 3/4/11 V-109721

Analysis Begun

Logged In Analyst: johns
Spectrometer Model: FIMS-100, S/N B050-9550
Technique: AA FIMS-MHS
Autosampler Model: AS-90

Shian 3/4/11

Sample Information File: C:\data-AA\johns\Sample Information\H12357S.sif
Batch ID: H12358SP
Results Data Set: H12358SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A)
Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1
Sample ID: Calibration Blank
Analyst:
Autosampler Location: 1
Date Collected: 3/3/2011 4:53:52 PM
Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0013	0.0037	0.0013	16:54:48	Yes
2		[0.00]	0.0013	0.0045	0.0013	16:55:21	Yes
Mean:		[0.00]	0.0013				
SD:		0.00	0.0000				
%RSD:		0.00	2.95				

Auto-zero performed.

Sequence No.: 2
Sample ID: .2 PPB
Analyst:
Autosampler Location: 2
Date Collected: 3/3/2011 4:55:22 PM
Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0011	0.0069	0.0024	16:56:18	Yes
2		[0.2]	0.0010	0.0066	0.0023	16:56:50	Yes
Mean:		[0.2]	0.0011				
SD:		0.0	0.0000				
%RSD:		0.0	3.68				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00532 Intercept: 0.00000

Sequence No.: 3
Sample ID: .5 PPB
Analyst:
Autosampler Location: 3
Date Collected: 3/3/2011 4:56:52 PM
Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0025	0.0109	0.0038	16:57:47	Yes
2		[0.5]	0.0026	0.0111	0.0039	16:58:20	Yes
Mean:		[0.5]	0.0025				
SD:		0.0	0.0001				
%RSD:		0.0	3.16				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999747 Slope: 0.00506 Intercept: 0.00002

Sequence No.: 4
Sample ID: 1 PPB
Analyst:
Autosampler Location: 4
Date Collected: 3/3/2011 4:58:21 PM
Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0051	0.0181	0.0065	16:59:17	Yes
2	[1]	0.0052	0.0184	0.0065	16:59:50	Yes
Mean:	[1]	0.0052				
SD:	0	0.0000				
%RSD:	0	0.49				

Standard number 3 applied. [1]
Correlation Coef.: 0.999902 Slope: 0.00515 Intercept: 0.00000

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 3/3/2011 4:59:51 PM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0101	0.0327	0.0114	17:00:47	Yes
2		[2]	0.0100	0.0334	0.0113	17:01:20	Yes
Mean:		[2]	0.0101				
SD:		0	0.0001				
%RSD:		0	0.89				

Standard number 4 applied. [2]
Correlation Coef.: 0.999903 Slope: 0.00503 Intercept: 0.00004

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 3/3/2011 5:01:21 PM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0254	0.0774	0.0267	17:02:16	Yes
2		[5]	0.0254	0.0767	0.0267	17:02:49	Yes
Mean:		[5]	0.0254				
SD:		0	0.0000				
%RSD:		0	0.10				

Standard number 5 applied. [5]
Correlation Coef.: 0.999982 Slope: 0.00507 Intercept: 0.00002

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 3/3/2011 5:02:50 PM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0520	0.1558	0.0533	17:03:46	Yes
2		[10]	0.0511	0.1532	0.0524	17:04:18	Yes
Mean:		[10]	0.0516				
SD:		0	0.0007				
%RSD:		0	1.27				

Standard number 6 applied. [10]
Correlation Coef.: 0.999964 Slope: 0.00515 Intercept: -0.00007

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 3/3/2011 5:04:20 PM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1193	0.3501	0.1206	17:05:16	Yes
2		[25]	0.1188	0.3499	0.1201	17:05:48	Yes
Mean:		[25]	0.1191				
SD:		0	0.0003				
%RSD:		0	0.29				

Standard number 7 applied. [25]
Correlation Coef.: 0.999469 Slope: 0.00479 Intercept: 0.00071

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.149	0.00	3.0
.2 PPB	0.0011	0.2	0.073	0.00	3.7
.5 PPB	0.0025	0.5	0.381	0.00	3.2
1 PPB	0.0052	1.0	0.930	0.00	0.5
2 PPB	0.0101	2.0	1.954	0.00	0.9
5 PPB	0.0254	5.0	5.156	0.00	0.1
10 PPB	0.0516	10.0	10.626	0.00	1.3
25 PPB	0.1191	25.0	24.728	0.00	0.3

Correlation Coef.: 0.999469 Slope: 0.00479 Intercept: 0.00071

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 3/3/2011 5:05:50 PM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.32	20.32	0.0980	0.2876	0.0993	17:06:49	Yes
2	20.08	20.08	0.0968	0.2838	0.0981	17:07:21	Yes
Mean:	20.20	20.20	0.0974				
SD:	0.168	0.168	0.0008				
%RSD:	0.833	0.833	0.83				

QC value within limits for Hg 253.7 Recovery = 100.99%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 3/3/2011 5:07:22 PM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.152	-0.152	-0.0000	0.0039	0.0013	17:08:18	Yes
2	-0.150	-0.150	-0.0000	0.0040	0.0013	17:08:51	Yes
Mean:	-0.151	-0.151	-0.0000				
SD:	0.002	0.002	0.0000				
%RSD:	1.211	1.211	84.75				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3382 (1) Date Collected: 3/3/2011 5:08:52 PM
Analyst: Data Type: Original

Replicate Data: MB 3382 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.136	-0.136	0.0001	0.0040	0.0014	17:09:49	Yes
2	-0.139	-0.139	0.0000	0.0041	0.0013	17:10:21	Yes
Mean:	-0.138	-0.138	0.0001				
SD:	0.002	0.002	0.0000				
%RSD:	1.346	1.346	16.48				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3382 Date Collected: 3/3/2011 5:10:23 PM
Analyst: Data Type: Original

Replicate Data: LCSW 3382

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.53	10.53	0.0511	0.1509	0.0524	17:11:18	Yes
2	10.42	10.42	0.0506	0.1491	0.0519	17:11:51	Yes
Mean:	10.48	10.48	0.0509				

SD:	0.075	0.075	0.0004
%RSD:	0.719	0.719	0.71

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCSW MR 3382 Date Collected: 3/3/2011 5:11:52 PM
Analyst: Data Type: Original

Replicate Data: LCSW MR 3382

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.50	10.50	0.0510	0.1509	0.0523	17:12:48	Yes
2	10.34	10.34	0.0502	0.1493	0.0515	17:13:21	Yes
Mean:	10.42	10.42	0.0506				
SD:	0.119	0.119	0.0006				
%RSD:	1.139	1.139	1.12				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 57098-015 Date Collected: 3/3/2011 5:13:22 PM
Analyst: Data Type: Original

Replicate Data: 57098-015

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.140	-0.140	0.0000	0.0042	0.0013	17:14:18	Yes
2	-0.160	-0.160	-0.0001	0.0033	0.0012	17:14:50	Yes
Mean:	-0.150	-0.150	-0.0000				
SD:	0.014	0.014	0.0001				
%RSD:	9.167	9.167	>999.9%				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 57098-015 MR Date Collected: 3/3/2011 5:14:51 PM
Analyst: Data Type: Original

Replicate Data: 57098-015 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.129	-0.129	0.0001	0.0047	0.0014	17:15:47	Yes
2	-0.156	-0.156	-0.0000	0.0026	0.0013	17:16:19	Yes
Mean:	-0.143	-0.143	0.0000				
SD:	0.019	0.019	0.0001				
%RSD:	13.16	13.16	301.91				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 57098-015 SPLP SPK Date Collected: 3/3/2011 5:16:21 PM
Analyst: Data Type: Original

Replicate Data: 57098-015 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.26	10.26	0.0498	0.1483	0.0511	17:17:16	Yes
2	10.45	10.45	0.0507	0.1499	0.0520	17:17:48	Yes
Mean:	10.36	10.36	0.0503				
SD:	0.136	0.136	0.0007				
%RSD:	1.318	1.318	1.30				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 57100-016 Date Collected: 3/3/2011 5:17:50 PM
Analyst: Data Type: Original

Replicate Data: 57100-016

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.150	-0.150	-0.0000	0.0039	0.0013	17:18:45	Yes
2	-0.135	-0.135	0.0001	0.0044	0.0014	17:19:18	Yes
Mean:	-0.142	-0.142	0.0000				
SD:	0.011	0.011	0.0001				

%RSD: 7.784 7.784 172.87

==========

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK 2/25 **Date Collected: 3/3/2011 5:19:19 PM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK 2/25

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.170	-0.170	-0.0001	0.0024	0.0012	17:20:15	Yes
2	-0.153	-0.153	-0.0000	0.0039	0.0013	17:20:48	Yes
Mean:	-0.161	-0.161	-0.0001				
SD:	0.012	0.012	0.0001				
%RSD:	7.262	7.262	94.21				

==========

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 3/3/2011 5:20:49 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.20	10.20	0.0495	0.1461	0.0508	17:21:47	Yes
2	10.21	10.21	0.0496	0.1456	0.0509	17:22:20	Yes
Mean:	10.21	10.21	0.0496				
SD:	0.008	0.008	0.0000				
%RSD:	0.076	0.076	0.08				

QC value within limits for Hg 253.7 Recovery = 102.06%
All analyte(s) passed QC.

==========

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 3/3/2011 5:22:21 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.154	-0.154	-0.0000	0.0034	0.0013	17:23:17	Yes
2	-0.158	-0.158	-0.0000	0.0033	0.0013	17:23:50	Yes
Mean:	-0.156	-0.156	-0.0000				
SD:	0.003	0.003	0.0000				
%RSD:	2.110	2.110	45.62				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12376A2.txt

Analysis Date: 03/07/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-108505	1	CAL	15:18	1							V-108505(ICB/CCB)
Calib 1 V-104185	1	CAL	15:23	2							V-104185(ICS1 Lowest std)
Calib 2 V-106426	1	CAL	15:27	3							V-106426(ICS2- Low Std)
Calib 3 V-106427	1	CAL	15:30	4							V-106427(ICS3 - Middle Std)
Calib 4 V-108511	1	CAL	15:34	5							V-108511(ICS4 - High std)
ICS3 V-106427	1	ICS	15:39	6							V-106427(ICS3 - Middle Std)
ICV V-107292 (2)	1	ICV	15:43	7							V-107292(ICV)
ICB V-108505	1	ICB	15:48	8							V-108505(ICB/CCB)
ICSA V-107289	1	ICSA	15:52	9							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	15:57	10							V-107290(ICSAB)
MB 3400 (1)	1	MB	16:03	11		SPLP	SPLP	SW846	3400		0
LCSW 3400	1	LCS	16:07	12		SPLP	SPLP	SW846	3400		0
LCSW MR 3400	1	LCS	16:11	13		SPLP	SPLP	SW846	3400		0
AC57098-020	1	SMP	16:14	14	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MR	16:18	15	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MS	16:22	16	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	PS	16:26	17	METALS-SPLP	SPLP	SPLP	SW846	3400		0
CCV V-108509	1	CCV	16:29	18							V-108509(CCV)
CCB	1	CCB	16:33	19							0
AC57100-021	1	SMP	16:37	20	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57100-021	5	SD	16:40	21	METALS-SPLP	SPLP	SPLP	SW846	3400		0
EF-DIH2O	1	EF	16:44	22		SPLP	SPLP	SW846	3400		0
ICSA V-107289	1	ICSA	16:48	23							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	16:53	24							V-107290(ICSAB)
CCV V-108509	1	CCV	16:59	25							V-108509(CCV)
CCB	1	CCB	17:03	26							0

Comments/Reviewedby:

sean
192.168.1.17 3/7/2011 5:14:54 PM

OK

3/21/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12376SP.txt

Analysis Date: 03/09/11 **Instrument:** HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	09:51	1							0
.2 PPB	1	CAL	09:53	2							0
.5 PPB	1	CAL	09:54	3							0
1 PPB	1	CAL	09:56	4							0
2 PPB	1	CAL	09:57	5							0
5 PPB	1	CAL	09:59	6							0
10 PPB	1	CAL	10:00	7							0
25 PPB	1	CAL	10:02	8							0
ICV (2)	1	ICV	10:03	9							0
ICB	1	ICB	10:05	10							0
MB 3400 (1)	1	MB	10:06	11	HG-SPLP	SPLP	SPLP	SW846	3400		0
LCSW 3400	1	LCS	10:08	12	HG-SPLP	SPLP	SPLP	SW846	3400		0
LCSW MR 3400	1	LCS	10:09	13	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	SMP	10:11	14	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MR	10:12	15	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MS	10:14	16	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57100-021	1	SMP	10:15	17	HG-SPLP	SPLP	SPLP	SW846	3400		0
EF-DI-BLANK 3/2	1	EF	10:17	18		SPLP	SPLP	SW846	3400		0
CCV	1	CCV	10:18	19							0
CCB	1	CCB	10:20	20							0

Comments/Reviewedby:

carmela
192.168.1.75 3/9/2011 10:26:40 AM

OK

3/10/11

Standard/Batch/SnCl2 Lot #:

V-110100

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109947

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg Intermediate Standard | BatchNumber: B-9806 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: .25 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 500 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	12.5 ml	neat neat	
4819	Mercury	.125 ml	1000 mg/l	

Veritech Lot Number: V-109948

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg intermediate Control | BatchNumber: B-9806 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 1.0 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-109949

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ ICV 20 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 20 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109948	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109950

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ CCV 10 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 10 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109948	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109951

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard blk | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 0 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109952

Prepared By: Soules, John
Description: Hg AQ standard .2 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: .2 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109953

Prepared By: Soules, John
Description: Hg AQ standard .5 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: .5 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-109947	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-109954

Prepared By: Soules, John
Description: Hg AQ standard 1 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 1 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109955

Prepared By: Soules, John
Description: Hg AQ standard 2 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 2 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109956

Prepared By: Soules, John
Description: Hg AQ standard 5 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 5 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109957

Prepared By: Soules, John
Description: Hg AQ standard 10 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109958

Prepared By:	Soules, John	Department: Metals	ApprovedBy: shiamala
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9807	ApproveDate: 03/23/11
Prep Date:	3/7/2011	Concentration: 25 ppb	Checked: Yes
Expiration Date:	3/7/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 03/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5482	Nitric Acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105295

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 1/5/2011
Expiration Date: 5/18/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: melissa
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5394	Hydrochloric Acid	1000 ml	neat neat	

Veritech Lot Number: V-106426

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106427

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107289

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Lot Number: V-107290

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Lot Number: V-107292

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108388

Prepared By: Perez-Capellan, Joelly
Description: 5% Potassium Permanganate
Prep Date: 2/14/2011
Expiration Date: 8/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 9.5 l
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108505

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	

Veritech Lot Number: V-108509

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5594	Hydrochloric Acid	50 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	

Veritech Lot Number: V-108511

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-109597

Prepared By: Aliano, Carmela
Description: 5% Potassium Persulfate
Prep Date: 3/2/2011
Expiration Date: 9/2/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-110100

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: shiamala
Description:	SnCl2	BatchNumber: B-9818	ApproveDate: 03/14/11
Prep Date:	3/9/2011	Concentration: 1.1% SnCl2 in	Checked: Yes
Expiration Date:	3/9/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-110101	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-110101

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: shiamala
Description:	3% HCL	BatchNumber: B-9818	ApproveDate: 03/14/11
Prep Date:	3/9/2011	Concentration: reagent reage	Checked: Yes
Expiration Date:	3/9/2011	Final Volume: 10 l	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5365	hydrochloric acid	300 ml	neat neat	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 03/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5202

Description
Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5247

Description
ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description
icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5365

Description
hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5394

Description
Hydrochloric Acid

ApprovedBy: gael
ApproveDate: 11/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	11/04/10	03/30/13	Okomeng, Maxwel	12	2.5LT	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5403

Description
ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5404

Description
ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description
ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5481

Description
Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Control/Receipt Number: 5594

Description
Hydrochloric Acid

ApprovedBy: melissa
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110060	02/07/11	06/30/13	Lopez, Jose	12	2.5L	neat	neat

File SP12376A2 Batch 12376 SPLP 0728

Method: PE2 4300DV AXIAL Page 1 Date: 3/7/2011 3:22:26 PM

Analyst S Bch 3/7/11

==========

Analysis Begun

Start Time: 3/7/2011 3:18:57 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 4300 DV, S/N 077N1030901
Plasma On Time: 3/7/2011 11:09:11 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12176A2
Results Library: C:\pe\administrator\Results\Results.mdb

3/21/11

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Method Loaded
Method Name: PE2 4300DV AXIAL
IEC File: IEC092710.iec
Method Description: 200.7/6010B
Method Last Saved: 2/25/2011 4:01:18 PM
MSF File:

==========

Sequence No.: 1
Sample ID: Calib Blk 1 V-108505
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 3/7/2011 3:18:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-108505

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1646996.6	10353.69	0.63%	100	%
Y 371.029	692282.8	4130.45	0.60%	100	%
Ag 328.068†	387.1	93.28	24.10%	[0.00]	mg/L
Al 308.215†	18934.7	87.23	0.46%	[0.00]	mg/L
As 188.979†	-14.2	4.43	31.20%	[0.00]	mg/L
Ba 233.527†	-1211.1	1.46	0.12%	[0.00]	mg/L
Be 313.107†	-1862.2	10.80	0.58%	[0.00]	mg/L
Ca 315.887†	-60706.3	242.73	0.40%	[0.00]	mg/L
Cd 228.802†	519.1	3.29	0.63%	[0.00]	mg/L
Co 228.616†	170.1	5.69	3.35%	[0.00]	mg/L
Cr 267.716†	371.1	32.90	8.87%	[0.00]	mg/L
Cu 327.393†	-4119.6	32.17	0.78%	[0.00]	mg/L
Fe 273.955†	-6046.9	44.65	0.74%	[0.00]	mg/L
K 404.721†	3316.9	55.59	1.68%	[0.00]	mg/L
Mg 279.077†	-6465.3	102.91	1.59%	[0.00]	mg/L
Mn 257.610†	-3060.1	19.90	0.65%	[0.00]	mg/L
Mo 202.031†	36.3	5.37	14.82%	[0.00]	mg/L
Na 330.237†	-587.0	48.14	8.20%	[0.00]	mg/L
Ni 231.604†	88.1	3.49	3.96%	[0.00]	mg/L
Pb 220.353†	-68.6	8.19	11.93%	[0.00]	mg/L
Sb 206.836†	10.3	2.87	27.76%	[0.00]	mg/L
Se 196.026†	50.2	7.02	13.98%	[0.00]	mg/L
Sn 189.927†	22.9	8.53	37.19%	[0.00]	mg/L
Ti 334.940†	2755.5	20.20	0.73%	[0.00]	mg/L
Tl 190.801†	-18.5	2.24	12.10%	[0.00]	mg/L
V 290.880†	7120.7	7.89	0.11%	[0.00]	mg/L
Zn 206.200†	-77.0	6.36	8.26%	[0.00]	mg/L

12376

all elements reported

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/7/2011 3:23:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1671790.6	6999.53	0.42%	102	%
Y 371.029	699712.9	2655.24	0.38%	101	%
As 188.979†	10.6	5.59	52.80%	[0.005]	mg/L
Be 313.107†	13967.7	76.48	0.55%	[0.003]	mg/L
Cd 228.802†	200.9	1.05	0.52%	[0.003]	mg/L
Pb 220.353†	81.9	6.66	8.13%	[0.004]	mg/L
Tl 190.801†	11.8	1.20	10.16%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-106426
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/7/2011 3:27:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-106426

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1665586.1	5929.56	0.36%	101	%
Y 371.029	696640.4	2766.64	0.40%	101	%
Ag 328.068†	385.9	24.29	6.30%	[0.002]	mg/L
Al 308.215†	4295.3	112.65	2.62%	[0.10]	mg/L
As 188.979†	13.5	5.86	43.41%	[0.010]	mg/L
Ba 233.527†	2298.9	12.45	0.54%	[0.010]	mg/L
Be 313.107†	41023.1	249.53	0.61%	[0.010]	mg/L
Ca 315.887†	174869.6	1851.66	1.06%	[1.0]	mg/L
Cd 228.802†	596.3	1.54	0.26%	[0.010]	mg/L
Co 228.616†	533.9	11.82	2.21%	[0.010]	mg/L
Cr 267.716†	1146.7	44.47	3.88%	[0.010]	mg/L
Cu 327.393†	2469.2	77.42	3.14%	[0.010]	mg/L
Fe 273.955†	1858.3	24.37	1.31%	[0.10]	mg/L
K 404.721†	-21.8	90.44	414.91%	[1.0]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Mg 279.077†	28928.7	128.39	0.44%	[1.0]	mg/L
Mn 257.610†	8171.5	77.45	0.95%	[0.010]	mg/L
Mo 202.031†	185.0	2.78	1.50%	[0.010]	mg/L
Na 330.237†	1015.8	77.22	7.60%	[1.0]	mg/L
Ni 231.604†	751.1	14.35	1.91%	[0.010]	mg/L
Pb 220.353†	156.2	26.20	16.77%	[0.010]	mg/L
Sb 206.836†	23.1	0.88	3.83%	[0.010]	mg/L
Se 196.026†	14.4	7.14	49.51%	[0.010]	mg/L
Sn 189.927†	41.3	2.93	7.09%	[0.010]	mg/L
Ti 334.940†	10902.2	41.66	0.38%	[0.010]	mg/L
Tl 190.801†	15.9	3.47	21.83%	[0.010]	mg/L
V 290.880†	2039.5	33.30	1.63%	[0.010]	mg/L
Zn 206.200†	598.2	5.76	0.96%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/7/2011 3:30:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-106427

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1554738.9	3896.86	0.25%	94.4	%
Y 371.029	638818.8	1779.44	0.28%	92.3	%
Ag 328.068†	17030.8	65.23	0.38%	[0.10]	mg/L
Al 308.215†	218591.7	78.84	0.04%	[5.0]	mg/L
As 188.979†	929.6	5.35	0.58%	[0.50]	mg/L
Ba 233.527†	116721.0	182.17	0.16%	[0.50]	mg/L
Be 313.107†	2287103.3	7396.88	0.32%	[0.50]	mg/L
Ca 315.887†	8472052.4	28891.09	0.34%	[50]	mg/L
Cd 228.802†	33784.4	36.72	0.11%	[0.50]	mg/L
Co 228.616†	28597.7	13.90	0.05%	[0.50]	mg/L
Cr 267.716†	62280.4	119.79	0.19%	[0.50]	mg/L
Cu 327.393†	97787.2	43.32	0.04%	[0.50]	mg/L
Fe 273.955†	96451.4	211.73	0.22%	[5.0]	mg/L
K 404.721†	3045.9	15.30	0.50%	[50]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Mg 279.077†	1403035.2	9646.43	0.69%	[50]	mg/L
Mn 257.610†	323330.3	363.59	0.11%	[0.50]	mg/L
Mo 202.031†	9509.3	58.58	0.62%	[0.50]	mg/L
Na 330.237†	65518.3	73.58	0.11%	[50]	mg/L
Ni 231.604†	38470.5	84.93	0.22%	[0.50]	mg/L
Pb 220.353†	8768.7	49.36	0.56%	[0.50]	mg/L
Sb 206.836†	958.5	2.34	0.24%	[0.50]	mg/L
Se 196.026†	903.2	11.41	1.26%	[0.50]	mg/L
Sn 189.927†	2262.9	5.80	0.26%	[0.50]	mg/L
Ti 334.940†	559048.5	3282.08	0.59%	[0.50]	mg/L
Tl 190.801†	785.3	7.69	0.98%	[0.50]	mg/L
V 290.880†	112251.2	62.27	0.06%	[0.50]	mg/L
Zn 206.200†	29531.3	175.17	0.59%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-108511
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/7/2011 3:34:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-108511

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1501365.6	2059.04	0.14%	91.2	%
Y 371.029	614924.7	897.15	0.15%	88.8	%
Ag 328.068†	33926.9	47.16	0.14%	[0.20]	mg/L
Al 308.215†	429935.6	1061.66	0.25%	[10]	mg/L
As 188.979†	1875.8	0.20	0.01%	[1.0]	mg/L
Ba 233.527†	229377.0	416.49	0.18%	[1.0]	mg/L
Be 313.107†	4505567.9	2432.86	0.05%	[1.0]	mg/L
Ca 315.887†	16731882.6	4517.34	0.03%	[100]	mg/L
Cd 228.802†	67356.2	161.96	0.24%	[1.0]	mg/L
Co 228.616†	56128.8	83.33	0.15%	[1.0]	mg/L
Cr 267.716†	122655.7	197.36	0.16%	[1.0]	mg/L
Cu 327.393†	195451.9	594.11	0.30%	[1.0]	mg/L
Fe 273.955†	189034.1	367.07	0.19%	[10]	mg/L
K 404.721†	6749.8	66.51	0.99%	[100]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Mg 279.077†	2784845.2	3454.40	0.12%	[100]	mg/L
Mn 257.610†	631785.8	1313.97	0.21%	[1.0]	mg/L
Mo 202.031†	18992.0	74.83	0.39%	[1.0]	mg/L
Na 330.237†	143312.9	249.43	0.17%	[100]	mg/L
Ni 231.604†	75239.2	86.09	0.11%	[1.0]	mg/L
Pb 220.353†	17216.0	81.78	0.48%	[1.0]	mg/L
Sb 206.836†	1928.5	2.79	0.14%	[1.0]	mg/L
Se 196.026†	1809.9	0.39	0.02%	[1.0]	mg/L
Sn 189.927†	4584.0	19.92	0.43%	[1.0]	mg/L
Ti 334.940†	1117660.2	2257.06	0.20%	[1.0]	mg/L
Tl 190.801†	1551.1	0.37	0.02%	[1.0]	mg/L
V 290.880†	221111.0	497.26	0.22%	[1.0]	mg/L
Zn 206.200†	57685.6	81.82	0.14%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	33.4	169600	0.00000	0.999998	
Al 308.215	3	Lin, Calc Int	657.7	43060	0.00000	0.999962	
As 188.979	4	Lin, Calc Int	-2.3	1875	0.00000	0.999988	
Ba 233.527	3	Lin, Calc Int	372.3	229700	0.00000	0.999958	
Be 313.107	4	Lin, Calc Int	3161.0	4515000	0.00000	0.999971	
Ca 315.887	3	Lin, Calc Int	22740.4	167500	0.00000	0.999979	
Cd 228.802	4	Lin, Calc Int	-11.2	67410	0.00000	0.999998	
Co 228.616	3	Lin, Calc Int	84.7	56240	0.00000	0.999951	
Cr 267.716	3	Lin, Calc Int	137.1	122900	0.00000	0.999966	
Cu 327.393	3	Lin, Calc Int	244.8	195200	0.00000	0.999997	
Fe 273.955	3	Lin, Calc Int	337.5	18940	0.00000	0.999944	
Mg 279.077	3	Lin, Calc Int	2421.9	27860	0.00000	0.999993	
Mn 257.610	3	Lin, Calc Int	2195.2	632100	0.00000	0.999932	
Mo 202.031	3	Lin, Calc Int	0.2	19000	0.00000	1.000000	
Na 330.237	3	Lin, Calc Int	-1306.6	1424	0.00000	0.999038	
Ni 231.604	3	Lin, Calc Int	154.3	75390	0.00000	0.999932	
Pb 220.353	4	Lin, Calc Int	19.2	17260	0.00000	0.999958	
Sb 206.836	3	Lin, Calc Int	0.7	1925	0.00000	0.999992	
Se 196.026	3	Lin, Calc Int	-2.0	1812	0.00000	0.999998	
Sn 189.927	3	Lin, Calc Int	-7.4	4581	0.00000	0.999980	
Ti 334.940	3	Lin, Calc Int	-84.8	1118000	0.00000	1.000000	
Tl 190.801	4	Lin, Calc Int	2.6	1552	0.00000	0.999981	
V 290.880	3	Lin, Calc Int	230.7	221500	0.00000	0.999967	
Zn 206.200	3	Lin, Calc Int	135.0	57800	0.00000	0.999925	

Sequence No.: 6
Sample ID: ICS3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/7/2011 3:39:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-106427

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1544001.9	93.7	%	0.29				0.31%
Y 371.029	631801.0	91.3	%	0.23				0.26%
Ag 328.068†	16789.1	0.0981746	mg/L	0.00094494	0.0981746	mg/L	0.00094494	0.96%
QC value within limits for Ag 328.068 Recovery = 98.17%								
Al 308.215†	215457.2	4.97695	mg/L	0.038563	4.97695	mg/L	0.038563	0.77%
QC value within limits for Al 308.215 Recovery = 99.54%								
As 188.979†	924.7	0.493648	mg/L	0.0043942	0.493648	mg/L	0.0043942	0.89%
QC value within limits for As 188.979 Recovery = 98.73%								
Ba 233.527†	115245.0	0.499958	mg/L	0.0039781	0.499958	mg/L	0.0039781	0.80%
QC value within limits for Ba 233.527 Recovery = 99.99%								
Be 313.107†	2261625.2	0.499888	mg/L	0.0028571	0.499888	mg/L	0.0028571	0.57%
QC value within limits for Be 313.107 Recovery = 99.98%								
Ca 315.887†	8388817.9	49.9559	mg/L	0.27050	49.9559	mg/L	0.27050	0.54%
QC value within limits for Ca 315.887 Recovery = 99.91%								
Cd 228.802†	33280.1	0.493767	mg/L	0.0035731	0.493767	mg/L	0.0035731	0.72%
QC value within limits for Cd 228.802 Recovery = 98.75%								
Co 228.616†	28142.6	0.499429	mg/L	0.0035198	0.499429	mg/L	0.0035198	0.70%
QC value within limits for Co 228.616 Recovery = 99.89%								
Cr 267.716†	61368.6	0.501284	mg/L	0.0044903	0.501284	mg/L	0.0044903	0.90%
QC value within limits for Cr 267.716 Recovery = 100.26%								
Cu 327.393†	96582.6	0.492535	mg/L	0.0038532	0.492535	mg/L	0.0038532	0.78%
QC value within limits for Cu 327.393 Recovery = 98.51%								
Fe 273.955†	94926.8	5.01253	mg/L	0.040889	5.01253	mg/L	0.040889	0.82%
QC value within limits for Fe 273.955 Recovery = 100.25%								
K 404.721†	2959.9						62.16	2.10%
Unable to evaluate QC.								
Mg 279.077†	1389369.4	49.7877	mg/L	0.36857	49.7877	mg/L	0.36857	0.74%
QC value within limits for Mg 279.077 Recovery = 99.58%								
Mn 257.610†	317408.5	0.499509	mg/L	0.0041155	0.499509	mg/L	0.0041155	0.82%
QC value within limits for Mn 257.610 Recovery = 99.90%								
Mo 202.031†	9468.9	0.497302	mg/L	0.0019245	0.497302	mg/L	0.0019245	0.39%
QC value within limits for Mo 202.031 Recovery = 99.46%								
Na 330.237†	64732.7	46.3652	mg/L	0.24453	46.3652	mg/L	0.24453	0.53%
QC value within limits for Na 330.237 Recovery = 92.73%								
Ni 231.604†	37805.3	0.499731	mg/L	0.0033395	0.499731	mg/L	0.0033395	0.67%
QC value within limits for Ni 231.604 Recovery = 99.95%								
Pb 220.353†	8738.6	0.506515	mg/L	0.0006125	0.506515	mg/L	0.0006125	0.12%
QC value within limits for Pb 220.353 Recovery = 101.30%								
Sb 206.836†	949.2	0.492846	mg/L	0.0017379	0.492846	mg/L	0.0017379	0.35%
QC value within limits for Sb 206.836 Recovery = 98.57%								
Se 196.026†	900.4	0.499180	mg/L	0.0034887	0.499180	mg/L	0.0034887	0.70%
QC value within limits for Se 196.026 Recovery = 99.84%								
Sn 189.927†	2261.1	0.496543	mg/L	0.0003090	0.496543	mg/L	0.0003090	0.06%
QC value within limits for Sn 189.927 Recovery = 99.31%								
Ti 334.940†	551636.7	0.493557	mg/L	0.0039782	0.493557	mg/L	0.0039782	0.81%
QC value within limits for Ti 334.940 Recovery = 98.71%								
Tl 190.801†	782.0	0.504085	mg/L	0.0001169	0.504085	mg/L	0.0001169	0.02%
QC value within limits for Tl 190.801 Recovery = 100.82%								
V 290.880†	110826.5	0.498134	mg/L	0.0040293	0.498134	mg/L	0.0040293	0.81%
QC value within limits for V 290.880 Recovery = 99.63%								
Zn 206.200†	28980.9	0.498756	mg/L	0.0036040	0.498756	mg/L	0.0036040	0.72%
QC value within limits for Zn 206.200 Recovery = 99.75%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 7
Sample ID: ICV V-107292 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/7/2011 3:43:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-107292 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1504902.0	91.4	%	0.14				0.15%
Y 371.029	616768.9	89.1	%	0.24				0.27%
Ag 328.068†	34188.9	0.200148	mg/L	0.0002482	0.200148	mg/L	0.0002482	0.12%
QC value within limits for Ag 328.068 Recovery = 100.07%								
Al 308.215†	448731.8	10.3831	mg/L	0.00845	10.3831	mg/L	0.00845	0.08%
QC value within limits for Al 308.215 Recovery = 103.83%								
As 188.979†	1890.8	1.00812	mg/L	0.000746	1.00812	mg/L	0.000746	0.07%
QC value within limits for As 188.979 Recovery = 100.81%								
Ba 233.527†	233787.5	1.01589	mg/L	0.000444	1.01589	mg/L	0.000444	0.04%
QC value within limits for Ba 233.527 Recovery = 101.59%								
Be 313.107†	4534227.7	1.00290	mg/L	0.004724	1.00290	mg/L	0.004724	0.47%
QC value within limits for Be 313.107 Recovery = 100.29%								
Ca 315.887†	16664683.1	99.3732	mg/L	0.39937	99.3732	mg/L	0.39937	0.40%
QC value within limits for Ca 315.887 Recovery = 99.37%								
Cd 228.802†	68797.4	1.02055	mg/L	0.000446	1.02055	mg/L	0.000446	0.04%
QC value within limits for Cd 228.802 Recovery = 102.06%								
Co 228.616†	57165.9	1.01600	mg/L	0.000584	1.01600	mg/L	0.000584	0.06%
QC value within limits for Co 228.616 Recovery = 101.60%								
Cr 267.716†	123592.1	1.01063	mg/L	0.000601	1.01063	mg/L	0.000601	0.06%
QC value within limits for Cr 267.716 Recovery = 101.06%								
Cu 327.393†	197266.2	1.00734	mg/L	0.000710	1.00734	mg/L	0.000710	0.07%
QC value within limits for Cu 327.393 Recovery = 100.73%								
Fe 273.955†	189183.3	10.0075	mg/L	0.00167	10.0075	mg/L	0.00167	0.02%
QC value within limits for Fe 273.955 Recovery = 100.07%								
K 404.721†	6705.8						166.94	2.49%
Unable to evaluate QC.								
Mg 279.077†	2776357.0	99.5767	mg/L	0.40192	99.5767	mg/L	0.40192	0.40%
QC value within limits for Mg 279.077 Recovery = 99.58%								
Mn 257.610†	640869.0	1.01206	mg/L	0.000366	1.01206	mg/L	0.000366	0.04%
QC value within limits for Mn 257.610 Recovery = 101.21%								
Mo 202.031†	18832.9	0.989114	mg/L	0.0010360	0.989114	mg/L	0.0010360	0.10%
QC value within limits for Mo 202.031 Recovery = 98.91%								
Na 330.237†	143157.6	101.426	mg/L	0.0298	101.426	mg/L	0.0298	0.03%
QC value within limits for Na 330.237 Recovery = 101.43%								
Ni 231.604†	76122.4	1.00829	mg/L	0.000138	1.00829	mg/L	0.000138	0.01%
QC value within limits for Ni 231.604 Recovery = 100.83%								
Pb 220.353†	17379.1	1.00853	mg/L	0.001141	1.00853	mg/L	0.001141	0.11%
QC value within limits for Pb 220.353 Recovery = 100.85%								
Sb 206.836†	1918.8	0.996658	mg/L	0.0018884	0.996658	mg/L	0.0018884	0.19%
QC value within limits for Sb 206.836 Recovery = 99.67%								
Se 196.026†	1845.0	1.02168	mg/L	0.002144	1.02168	mg/L	0.002144	0.21%
QC value within limits for Se 196.026 Recovery = 102.17%								
Sn 189.927†	4571.9	1.00230	mg/L	0.006112	1.00230	mg/L	0.006112	0.61%
QC value within limits for Sn 189.927 Recovery = 100.23%								
Ti 334.940†	1107460.7	0.990784	mg/L	0.0046348	0.990784	mg/L	0.0046348	0.47%
QC value within limits for Ti 334.940 Recovery = 99.08%								
Tl 190.801†	1639.0	1.05821	mg/L	0.002243	1.05821	mg/L	0.002243	0.21%
QC value within limits for Tl 190.801 Recovery = 105.82%								
V 290.880†	223975.2	1.00779	mg/L	0.000320	1.00779	mg/L	0.000320	0.03%
QC value within limits for V 290.880 Recovery = 100.78%								
Zn 206.200†	58180.2	1.00363	mg/L	0.000354	1.00363	mg/L	0.000354	0.04%
QC value within limits for Zn 206.200 Recovery = 100.36%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 8
Sample ID: ICB V-108505
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/7/2011 3:48:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-108505

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1667405.3	101	%	0.8				0.83%
Y 371.029	700974.1	101	%	0.8				0.75%
Ag 328.068†	-6.7	-0.0002360	mg/L	0.00000045	-0.0002360	mg/L	0.00000045	0.19%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-125.9	-0.0182111	mg/L	0.00267874	-0.0182111	mg/L	0.00267874	14.71%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.4	0.0014610	mg/L	0.00311947	0.0014610	mg/L	0.00311947	213.52%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	31.6	-0.0014825	mg/L	0.00000017	-0.0014825	mg/L	0.00000017	0.01%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	342.1	-0.0006245	mg/L	0.00000775	-0.0006245	mg/L	0.00000775	1.24%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	2259.9	-0.122294	mg/L	0.0034588	-0.122294	mg/L	0.0034588	2.83%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	4.3	0.0002305	mg/L	0.00003307	0.0002305	mg/L	0.00003307	14.35%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	5.6	-0.0014037	mg/L	0.00011725	-0.0014037	mg/L	0.00011725	8.35%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-34.3	-0.0013957	mg/L	0.00000020	-0.0013957	mg/L	0.00000020	0.01%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-42.9	-0.0014724	mg/L	0.00019935	-0.0014724	mg/L	0.00019935	13.54%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	45.3	-0.0154583	mg/L	0.00269912	-0.0154583	mg/L	0.00269912	17.46%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-56.3						46.22	82.08%
Unable to evaluate QC.								
Mg 279.077†	185.6	-0.0802570	mg/L	0.00382284	-0.0802570	mg/L	0.00382284	4.76%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	90.0	-0.0033315	mg/L	0.00003472	-0.0033315	mg/L	0.00003472	1.04%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.4	0.0004868	mg/L	0.00019753	0.0004868	mg/L	0.00019753	40.58%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	61.1	0.960275	mg/L	0.0112994	0.960275	mg/L	0.0112994	1.18%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	8.4	-0.0019349	mg/L	0.00035147	-0.0019349	mg/L	0.00035147	18.16%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.8	-0.0007181	mg/L	0.00009762	-0.0007181	mg/L	0.00009762	13.59%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.6	0.0015080	mg/L	0.00160034	0.0015080	mg/L	0.00160034	106.12%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.3	0.0012766	mg/L	0.00227295	0.0012766	mg/L	0.00227295	178.05%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	4.9	0.0026721	mg/L	0.00028522	0.0026721	mg/L	0.00028522	10.67%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	36.3	0.0001083	mg/L	0.00004098	0.0001083	mg/L	0.00004098	37.83%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.6	-0.0006675	mg/L	0.00155579	-0.0006675	mg/L	0.00155579	233.07%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-44.8	-0.0012408	mg/L	0.00024392	-0.0012408	mg/L	0.00024392	19.66%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	12.1	-0.0021262	mg/L	0.00008681	-0.0021262	mg/L	0.00008681	4.08%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 9
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/7/2011 3:52:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1389534.2	84.4	%	0.10				0.11%
Y 371.029	571608.0	82.6	%	0.08				0.10%
Ag 328.068†	-1107.6	-0.0032708	mg/L	0.00013670	-0.0032708	mg/L	0.00013670	4.18%
Al 308.215†	22149077.3	514.373	mg/L	1.2516	514.373	mg/L	1.2516	0.24%
QC value within limits for Al 308.215 Recovery = 102.87%								
As 188.979†	-54.2	-0.0007355	mg/L	0.00177853	-0.0007355	mg/L	0.00177853	241.80%
Ba 233.527†	830.7	-0.0000627	mg/L	0.00014715	-0.0000627	mg/L	0.00014715	234.68%
Be 313.107†	-3379.1	0.0000947	mg/L	0.00000461	0.0000947	mg/L	0.00000461	4.87%
Ca 315.887†	81535780.8	486.735	mg/L	0.8110	486.735	mg/L	0.8110	0.17%
QC value within limits for Ca 315.887 Recovery = 97.35%								
Cd 228.802†	305.9	-0.0008234	mg/L	0.00030022	-0.0008234	mg/L	0.00030022	36.46%
Co 228.616†	-207.1	-0.0026749	mg/L	0.00010409	-0.0026749	mg/L	0.00010409	3.89%
Cr 267.716†	-289.7	0.0034420	mg/L	0.00005361	0.0034420	mg/L	0.00005361	1.56%
Cu 327.393†	1790.2	0.0005711	mg/L	0.00027902	0.0005711	mg/L	0.00027902	48.85%
Fe 273.955†	3632246.0	191.945	mg/L	0.0280	191.945	mg/L	0.0280	0.01%
QC value within limits for Fe 273.955 Recovery = 95.97%								
K 404.721†	-502.2						14.67	2.92%
Mg 279.077†	14091355.7	505.673	mg/L	0.7175	505.673	mg/L	0.7175	0.14%
QC value within limits for Mg 279.077 Recovery = 101.13%								
Mn 257.610†	-6337.7	-0.0002531	mg/L	0.00005260	-0.0002531	mg/L	0.00005260	20.78%
Mo 202.031†	130.6	0.0075403	mg/L	0.00022706	0.0075403	mg/L	0.00022706	3.01%
Na 330.237†	519.5	1.28212	mg/L	0.006304	1.28212	mg/L	0.006304	0.49%
Ni 231.604†	16.8	-0.0018182	mg/L	0.00019223	-0.0018182	mg/L	0.00019223	10.57%
Pb 220.353†	-1381.3	0.0014892	mg/L	0.00050702	0.0014892	mg/L	0.00050702	34.05%
Sb 206.836†	-56.4	-0.0077625	mg/L	0.00318040	-0.0077625	mg/L	0.00318040	40.97%
Se 196.026†	-23.5	0.0200459	mg/L	0.00510590	0.0200459	mg/L	0.00510590	25.47%
Sn 189.927†	-20.1	0.0009159	mg/L	0.00026129	0.0009159	mg/L	0.00026129	28.53%
Ti 334.940†	3141.1	0.0028859	mg/L	0.00004095	0.0028859	mg/L	0.00004095	1.42%
Tl 190.801†	-21.7	0.0003015	mg/L	0.00055119	0.0003015	mg/L	0.00055119	182.80%
V 290.880†	6429.9	0.0067430	mg/L	0.00030434	0.0067430	mg/L	0.00030434	4.51%
Zn 206.200†	447.1	0.0002735	mg/L	0.00009347	0.0002735	mg/L	0.00009347	34.17%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 8
Date Collected: 3/7/2011 3:57:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1400089.2	85.0	%	0.53				0.62%
Y 371.029	575512.5	83.1	%	0.50				0.60%
Ag 328.068†	181443.0	1.07305	mg/L	0.001136	1.07305	mg/L	0.001136	0.11%
QC value within limits for Ag 328.068 Recovery = 107.31%								
Al 308.215†	21864657.4	507.768	mg/L	0.8823	507.768	mg/L	0.8823	0.17%
QC value within limits for Al 308.215 Recovery = 101.55%								
As 188.979†	1911.0	1.04713	mg/L	0.007316	1.04713	mg/L	0.007316	0.70%
QC value within limits for As 188.979 Recovery = 104.71%								
Ba 233.527†	122333.1	0.528814	mg/L	0.0006953	0.528814	mg/L	0.0006953	0.13%
QC value within limits for Ba 233.527 Recovery = 105.76%								
Be 313.107†	2314514.9	0.513415	mg/L	0.0008418	0.513415	mg/L	0.0008418	0.16%
QC value within limits for Be 313.107 Recovery = 102.68%								
Ca 315.887†	80665250.7	481.536	mg/L	1.1217	481.536	mg/L	1.1217	0.23%
QC value within limits for Ca 315.887 Recovery = 96.31%								
Cd 228.802†	71139.4	1.04999	mg/L	0.001304	1.04999	mg/L	0.001304	0.12%
QC value within limits for Cd 228.802 Recovery = 105.00%								
Co 228.616†	27554.4	0.490872	mg/L	0.0010269	0.490872	mg/L	0.0010269	0.21%
QC value within limits for Co 228.616 Recovery = 98.17%								
Cr 267.716†	61917.1	0.510082	mg/L	0.0010395	0.510082	mg/L	0.0010395	0.20%
QC value within limits for Cr 267.716 Recovery = 102.02%								
Cu 327.393†	108710.8	0.548441	mg/L	0.0023167	0.548441	mg/L	0.0023167	0.42%
QC value within limits for Cu 327.393 Recovery = 109.69%								
Fe 273.955†	3617305.7	191.155	mg/L	0.2762	191.155	mg/L	0.2762	0.14%
QC value within limits for Fe 273.955 Recovery = 95.58%								
K 404.721†	-436.8						130.25	29.82%
Mg 279.077†	13972032.2	501.391	mg/L	1.0796	501.391	mg/L	1.0796	0.22%
QC value within limits for Mg 279.077 Recovery = 100.28%								
Mn 257.610†	317540.6	0.512040	mg/L	0.0012497	0.512040	mg/L	0.0012497	0.24%
QC value within limits for Mn 257.610 Recovery = 102.41%								
Mo 202.031†	148.3	0.0084396	mg/L	0.00071619	0.0084396	mg/L	0.00071619	8.49%
Na 330.237†	1853.1	2.21837	mg/L	0.041852	2.21837	mg/L	0.041852	1.89%
Ni 231.604†	72578.4	0.960625	mg/L	0.0025207	0.960625	mg/L	0.0025207	0.26%
QC value within limits for Ni 231.604 Recovery = 96.06%								
Pb 220.353†	15477.4	0.977216	mg/L	0.0000839	0.977216	mg/L	0.0000839	0.01%
QC value within limits for Pb 220.353 Recovery = 97.72%								
Sb 206.836†	1952.3	1.03555	mg/L	0.003668	1.03555	mg/L	0.003668	0.35%
QC value within limits for Sb 206.836 Recovery = 103.55%								
Se 196.026†	1851.5	1.05504	mg/L	0.002733	1.05504	mg/L	0.002733	0.26%
QC value within limits for Se 196.026 Recovery = 105.50%								
Sn 189.927†	-18.7	0.0012358	mg/L	0.00057265	0.0012358	mg/L	0.00057265	46.34%
Ti 334.940†	3525.1	0.0032293	mg/L	0.00011607	0.0032293	mg/L	0.00011607	3.59%
Tl 190.801†	1499.0	0.979946	mg/L	0.0026018	0.979946	mg/L	0.0026018	0.27%
QC value within limits for Tl 190.801 Recovery = 97.99%								
V 290.880†	117980.5	0.510483	mg/L	0.0009084	0.510483	mg/L	0.0009084	0.18%
QC value within limits for V 290.880 Recovery = 102.10%								
Zn 206.200†	58155.3	0.998730	mg/L	0.0033603	0.998730	mg/L	0.0033603	0.34%
QC value within limits for Zn 206.200 Recovery = 99.87%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3400 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 116
Date Collected: 3/7/2011 4:03:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3400 (1)

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1712247.0	104	%	0.7				0.68%
Y 371.029	715342.8	103	%	0.6				0.59%
Ag 328.068†	96.2	0.0003770	mg/L	0.00015439	0.0003770	mg/L	0.00015439	40.96%
Al 308.215†	565.4	-0.0021482	mg/L	0.00110648	-0.0021482	mg/L	0.00110648	51.51%
As 188.979†	-2.9	-0.0002872	mg/L	0.00172628	-0.0002872	mg/L	0.00172628	600.99%
Ba 233.527†	420.4	0.0002057	mg/L	0.00003180	0.0002057	mg/L	0.00003180	15.45%
Be 313.107†	155.1	-0.0006631	mg/L	0.00001153	-0.0006631	mg/L	0.00001153	1.74%
Ca 315.887†	109734.3	0.519462	mg/L	0.0032615	0.519462	mg/L	0.0032615	0.63%
Cd 228.802†	-8.6	0.0000352	mg/L	0.00004607	0.0000352	mg/L	0.00004607	130.71%
Co 228.616†	-1.9	-0.0015510	mg/L	0.00009116	-0.0015510	mg/L	0.00009116	5.88%
Cr 267.716†	124.2	-0.0000926	mg/L	0.00008274	-0.0000926	mg/L	0.00008274	89.38%
Cu 327.393†	803.1	0.0028522	mg/L	0.00043933	0.0028522	mg/L	0.00043933	15.40%
Fe 273.955†	7200.9	0.362389	mg/L	0.0012286	0.362389	mg/L	0.0012286	0.34%
K 404.721†	-201.5						41.31	20.50%
Mg 279.077†	3448.7	0.0368553	mg/L	0.00486125	0.0368553	mg/L	0.00486125	13.19%
Mn 257.610†	1727.6	-0.0007222	mg/L	0.00006329	-0.0007222	mg/L	0.00006329	8.76%
Mo 202.031†	2.5	0.0001089	mg/L	0.00010547	0.0001089	mg/L	0.00010547	96.80%
Na 330.237†	288.5	1.11992	mg/L	0.068090	1.11992	mg/L	0.068090	6.08%
Ni 231.604†	34.9	-0.0015837	mg/L	0.00009543	-0.0015837	mg/L	0.00009543	6.03%
Pb 220.353†	10.2	-0.0005422	mg/L	0.00038409	-0.0005422	mg/L	0.00038409	70.84%
Sb 206.836†	1.1	0.0002903	mg/L	0.00066024	0.0002903	mg/L	0.00066024	227.44%
Se 196.026†	-3.6	-0.0007795	mg/L	0.00440962	-0.0007795	mg/L	0.00440962	565.73%
Sn 189.927†	-3.0	0.0009724	mg/L	0.00051933	0.0009724	mg/L	0.00051933	53.41%
Ti 334.940†	472.8	0.0004988	mg/L	0.00003157	0.0004988	mg/L	0.00003157	6.33%
Tl 190.801†	3.9	0.0008360	mg/L	0.00121407	0.0008360	mg/L	0.00121407	145.22%
V 290.880†	-172.7	-0.0018363	mg/L	0.00003667	-0.0018363	mg/L	0.00003667	2.00%
Zn 206.200†	724.7	0.0101936	mg/L	0.00003717	0.0101936	mg/L	0.00003717	0.36%

Sequence No.: 12
Sample ID: LCSW 3400
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 117
Date Collected: 3/7/2011 4:07:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3400

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1573595.6	95.5	%	0.93				0.97%
Y 371.029	646593.3	93.4	%	0.88				0.94%
Ag 328.068†	15672.7	0.0916371	mg/L	0.00052057	0.0916371	mg/L	0.00052057	0.57%
Al 308.215†	201717.0	4.65876	mg/L	0.044102	4.65876	mg/L	0.044102	0.95%
As 188.979†	868.1	0.463480	mg/L	0.0037547	0.463480	mg/L	0.0037547	0.81%
Ba 233.527†	110368.6	0.478735	mg/L	0.0046653	0.478735	mg/L	0.0046653	0.97%
Be 313.107†	2135146.7	0.471895	mg/L	0.0006461	0.471895	mg/L	0.0006461	0.14%
Ca 315.887†	8062327.5	48.0064	mg/L	0.21328	48.0064	mg/L	0.21328	0.44%
Cd 228.802†	31782.1	0.471551	mg/L	0.0052179	0.471551	mg/L	0.0052179	1.11%
Co 228.616†	27303.7	0.484448	mg/L	0.0039296	0.484448	mg/L	0.0039296	0.81%
Cr 267.716†	58374.4	0.476697	mg/L	0.0045960	0.476697	mg/L	0.0045960	0.96%
Cu 327.393†	92655.4	0.472462	mg/L	0.0045353	0.472462	mg/L	0.0045353	0.96%
Fe 273.955†	89269.4	4.71293	mg/L	0.040926	4.71293	mg/L	0.040926	0.87%
K 404.721†	2715.6						20.87	0.77%
Mg 279.077†	1321857.5	47.3639	mg/L	0.04933	47.3639	mg/L	0.04933	0.10%
Mn 257.610†	301775.5	0.474728	mg/L	0.0045458	0.474728	mg/L	0.0045458	0.96%
Mo 202.031†	8716.3	0.457726	mg/L	0.0042291	0.457726	mg/L	0.0042291	0.92%
Na 330.237†	60592.2	43.4583	mg/L	0.34222	43.4583	mg/L	0.34222	0.79%
Ni 231.604†	36408.9	0.481182	mg/L	0.0048578	0.481182	mg/L	0.0048578	1.01%
Pb 220.353†	8266.1	0.479020	mg/L	0.0046966	0.479020	mg/L	0.0046966	0.98%
Sb 206.836†	879.8	0.456810	mg/L	0.0041687	0.456810	mg/L	0.0041687	0.91%
Se 196.026†	839.5	0.465506	mg/L	0.0017291	0.465506	mg/L	0.0017291	0.37%
Sn 189.927†	2092.2	0.459601	mg/L	0.0035187	0.459601	mg/L	0.0035187	0.77%
Ti 334.940†	517605.8	0.463114	mg/L	0.0010424	0.463114	mg/L	0.0010424	0.23%
Tl 190.801†	766.9	0.494281	mg/L	0.0004827	0.494281	mg/L	0.0004827	0.10%
V 290.880†	105361.8	0.473515	mg/L	0.0047247	0.473515	mg/L	0.0047247	1.00%
Zn 206.200†	28543.1	0.491210	mg/L	0.0039250	0.491210	mg/L	0.0039250	0.80%

Sequence No.: 13
Sample ID: LCSW MR 3400
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 118
Date Collected: 3/7/2011 4:11:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3400

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1569533.2	95.3	%	0.33				0.35%
Y 371.029	645147.1	93.2	%	0.31				0.34%
Ag 328.068†	15382.6	0.0899343	mg/L	0.00036255	0.0899343	mg/L	0.00036255	0.40%
Al 308.215†	198915.9	4.59379	mg/L	0.006828	4.59379	mg/L	0.006828	0.15%
As 188.979†	850.3	0.454039	mg/L	0.0031155	0.454039	mg/L	0.0031155	0.69%
Ba 233.527†	109116.9	0.473285	mg/L	0.0002228	0.473285	mg/L	0.0002228	0.05%
Be 313.107†	2105458.9	0.465324	mg/L	0.0004326	0.465324	mg/L	0.0004326	0.09%
Ca 315.887†	7957272.7	47.3791	mg/L	0.02534	47.3791	mg/L	0.02534	0.05%
Cd 228.802†	31400.7	0.465892	mg/L	0.0007809	0.465892	mg/L	0.0007809	0.17%
Co 228.616†	26912.5	0.477483	mg/L	0.0008087	0.477483	mg/L	0.0008087	0.17%
Cr 267.716†	58105.2	0.474491	mg/L	0.0004078	0.474491	mg/L	0.0004078	0.09%
Cu 327.393†	92607.7	0.472228	mg/L	0.0004776	0.472228	mg/L	0.0004776	0.10%
Fe 273.955†	92187.3	4.86673	mg/L	0.005950	4.86673	mg/L	0.005950	0.12%
K 404.721†	2764.9						137.99	4.99%
Mg 279.077†	1301923.2	46.6484	mg/L	0.03026	46.6484	mg/L	0.03026	0.06%
Mn 257.610†	299718.9	0.471474	mg/L	0.0003929	0.471474	mg/L	0.0003929	0.08%
Mo 202.031†	8651.9	0.454349	mg/L	0.0033386	0.454349	mg/L	0.0033386	0.73%
Na 330.237†	60017.3	43.0547	mg/L	0.11981	43.0547	mg/L	0.11981	0.28%
Ni 231.604†	35922.7	0.474731	mg/L	0.0002893	0.474731	mg/L	0.0002893	0.06%
Pb 220.353†	8154.7	0.472541	mg/L	0.0036153	0.472541	mg/L	0.0036153	0.77%
Sb 206.836†	876.5	0.455137	mg/L	0.0070524	0.455137	mg/L	0.0070524	1.55%
Se 196.026†	832.0	0.461413	mg/L	0.0081932	0.461413	mg/L	0.0081932	1.78%
Sn 189.927†	2084.0	0.457817	mg/L	0.0053514	0.457817	mg/L	0.0053514	1.17%
Ti 334.940†	513624.9	0.459553	mg/L	0.0002515	0.459553	mg/L	0.0002515	0.05%
Tl 190.801†	762.5	0.491420	mg/L	0.0019361	0.491420	mg/L	0.0019361	0.39%
V 290.880†	104119.3	0.467916	mg/L	0.0003041	0.467916	mg/L	0.0003041	0.06%
Zn 206.200†	28033.6	0.482391	mg/L	0.0003238	0.482391	mg/L	0.0003238	0.07%

Sequence No.: 14
Sample ID: 57098-020
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 119
Date Collected: 3/7/2011 4:14:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1645930.6	99.9	%	0.37				0.37%
Y 371.029	684331.8	98.9	%	0.36				0.37%
Ag 328.068†	90.5	0.0003316	mg/L	0.00041525	0.0003316	mg/L	0.00041525	125.23%
Al 308.215†	14632.1	0.324492	mg/L	0.0106090	0.324492	mg/L	0.0106090	3.27%
As 188.979†	0.8	0.0016216	mg/L	0.00094392	0.0016216	mg/L	0.00094392	58.21%
Ba 233.527†	2001.0	0.0070873	mg/L	0.00011163	0.0070873	mg/L	0.00011163	1.58%
Be 313.107†	506.2	-0.0005922	mg/L	0.00003945	-0.0005922	mg/L	0.00003945	6.66%
Ca 315.887†	1020388.4	5.95720	mg/L	0.061208	5.95720	mg/L	0.061208	1.03%
Cd 228.802†	8.2	0.0002831	mg/L	0.00003345	0.0002831	mg/L	0.00003345	11.82%
Co 228.616†	13.6	-0.0012798	mg/L	0.00018928	-0.0012798	mg/L	0.00018928	14.79%
Cr 267.716†	230.8	0.0007927	mg/L	0.00010779	0.0007927	mg/L	0.00010779	13.60%
Cu 327.393†	582.4	0.0016342	mg/L	0.00019649	0.0016342	mg/L	0.00019649	12.02%
Fe 273.955†	4513.6	0.220615	mg/L	0.0012056	0.220615	mg/L	0.0012056	0.55%
K 404.721†	-75.3						42.44	56.34%
Mg 279.077†	11699.6	0.333023	mg/L	0.0004724	0.333023	mg/L	0.0004724	0.14%
Mn 257.610†	12941.2	0.0170138	mg/L	0.00022861	0.0170138	mg/L	0.00022861	1.34%
Mo 202.031†	38.1	0.0018536	mg/L	0.00043648	0.0018536	mg/L	0.00043648	23.55%
Na 330.237†	5087.5	4.48919	mg/L	0.020786	4.48919	mg/L	0.020786	0.46%
Ni 231.604†	74.4	-0.0010581	mg/L	0.00004789	-0.0010581	mg/L	0.00004789	4.53%
Pb 220.353†	97.1	0.0045477	mg/L	0.00026156	0.0045477	mg/L	0.00026156	5.75%
Sb 206.836†	9.9	0.0048037	mg/L	0.00030105	0.0048037	mg/L	0.00030105	6.27%
Se 196.026†	2.9	0.0027594	mg/L	0.00209834	0.0027594	mg/L	0.00209834	76.04%
Sn 189.927†	2.6	0.0023061	mg/L	0.00027442	0.0023061	mg/L	0.00027442	11.90%
Ti 334.940†	10378.0	0.0093598	mg/L	0.00010210	0.0093598	mg/L	0.00010210	1.09%
Tl 190.801†	1.5	-0.0006242	mg/L	0.00012031	-0.0006242	mg/L	0.00012031	19.28%
V 290.880†	305.0	0.0003231	mg/L	0.00015875	0.0003231	mg/L	0.00015875	49.13%
Zn 206.200†	957.6	0.0142547	mg/L	0.00005643	0.0142547	mg/L	0.00005643	0.40%

Sequence No.: 15
Sample ID: 57098-020 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 120
Date Collected: 3/7/2011 4:18:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1679220.0	102	%	0.3				0.34%
Y 371.029	697860.6	101	%	0.3				0.30%
Ag 328.068†	78.1	0.0002586	mg/L	0.00004085	0.0002586	mg/L	0.00004085	15.80%
Al 308.215†	13988.4	0.309542	mg/L	0.0046317	0.309542	mg/L	0.0046317	1.50%
As 188.979†	1.6	0.0020623	mg/L	0.00000996	0.0020623	mg/L	0.00000996	0.48%
Ba 233.527†	1995.4	0.0070624	mg/L	0.00005339	0.0070624	mg/L	0.00005339	0.76%
Be 313.107†	252.1	-0.0006482	mg/L	0.00001051	-0.0006482	mg/L	0.00001051	1.62%
Ca 315.887†	1010559.0	5.89851	mg/L	0.047240	5.89851	mg/L	0.047240	0.80%
Cd 228.802†	-6.2	0.0000700	mg/L	0.00015540	0.0000700	mg/L	0.00015540	222.13%
Co 228.616†	7.7	-0.0013868	mg/L	0.00013833	-0.0013868	mg/L	0.00013833	9.97%
Cr 267.716†	229.1	0.0007816	mg/L	0.00005944	0.0007816	mg/L	0.00005944	7.61%
Cu 327.393†	1180.5	0.0046994	mg/L	0.00006138	0.0046994	mg/L	0.00006138	1.31%
Fe 273.955†	5265.1	0.260289	mg/L	0.0015142	0.260289	mg/L	0.0015142	0.58%
K 404.721†	-45.2						155.45	343.90%
Mg 279.077†	11462.7	0.324523	mg/L	0.0024489	0.324523	mg/L	0.0024489	0.75%
Mn 257.610†	13254.5	0.0175113	mg/L	0.00021115	0.0175113	mg/L	0.00021115	1.21%
Mo 202.031†	40.7	0.0019932	mg/L	0.00031358	0.0019932	mg/L	0.00031358	15.73%
Na 330.237†	5120.7	4.51251	mg/L	0.055598	4.51251	mg/L	0.055598	1.23%
Ni 231.604†	53.5	-0.0013354	mg/L	0.00003201	-0.0013354	mg/L	0.00003201	2.40%
Pb 220.353†	94.6	0.0043943	mg/L	0.00014479	0.0043943	mg/L	0.00014479	3.30%
Sb 206.836†	4.1	0.0018195	mg/L	0.00123697	0.0018195	mg/L	0.00123697	67.98%
Se 196.026†	-0.4	0.0009102	mg/L	0.00170527	0.0009102	mg/L	0.00170527	187.35%
Sn 189.927†	-2.5	0.0011773	mg/L	0.00011325	0.0011773	mg/L	0.00011325	9.62%
Ti 334.940†	10555.8	0.0095188	mg/L	0.00062164	0.0095188	mg/L	0.00062164	6.53%
Tl 190.801†	2.2	-0.0002029	mg/L	0.00013742	-0.0002029	mg/L	0.00013742	67.73%
V 290.880†	177.8	-0.0002522	mg/L	0.00002089	-0.0002522	mg/L	0.00002089	8.28%
Zn 206.200†	1004.0	0.0150556	mg/L	0.00017001	0.0150556	mg/L	0.00017001	1.13%

Sequence No.: 16
Sample ID: 57098-020 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 121
Date Collected: 3/7/2011 4:22:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020 SPLP SPK

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1579453.8	95.9	%	0.12				0.13%
Y 371.029	650531.4	94.0	%	0.15				0.16%
Ag 328.068†	15599.6	0.0911994	mg/L	0.00017794	0.0911994	mg/L	0.00017794	0.20%
Al 308.215†	213783.6	4.93894	mg/L	0.008140	4.93894	mg/L	0.008140	0.16%
As 188.979†	868.2	0.463545	mg/L	0.0050960	0.463545	mg/L	0.0050960	1.10%
Ba 233.527†	1140113.9	4.96095	mg/L	0.010308	4.96095	mg/L	0.010308	0.21%
Be 313.107†	2120557.0	0.468658	mg/L	0.0010056	0.468658	mg/L	0.0010056	0.21%
Ca 315.887†	8846214.0	52.6872	mg/L	0.17696	52.6872	mg/L	0.17696	0.34%
Cd 228.802†	31654.0	0.469646	mg/L	0.0014439	0.469646	mg/L	0.0014439	0.31%
Co 228.616†	27182.6	0.482277	mg/L	0.0020424	0.482277	mg/L	0.0020424	0.42%
Cr 267.716†	58378.4	0.476762	mg/L	0.0007525	0.476762	mg/L	0.0007525	0.16%
Cu 327.393†	92620.7	0.472206	mg/L	0.0009940	0.472206	mg/L	0.0009940	0.21%
Fe 273.955†	92707.2	4.89438	mg/L	0.014728	4.89438	mg/L	0.014728	0.30%
K 404.721†	2713.7						138.86	5.12%
Mg 279.077†	1316555.7	47.1737	mg/L	0.07155	47.1737	mg/L	0.07155	0.15%
Mn 257.610†	313058.8	0.492586	mg/L	0.0014499	0.492586	mg/L	0.0014499	0.29%
Mo 202.031†	8767.7	0.460321	mg/L	0.0009136	0.460321	mg/L	0.0009136	0.20%
Na 330.237†	66175.0	47.3779	mg/L	0.04741	47.3779	mg/L	0.04741	0.10%
Ni 231.604†	36240.1	0.478946	mg/L	0.0014662	0.478946	mg/L	0.0014662	0.31%
Pb 220.353†	85107.5	4.93182	mg/L	0.019127	4.93182	mg/L	0.019127	0.39%
Sb 206.836†	892.4	0.463389	mg/L	0.0023990	0.463389	mg/L	0.0023990	0.52%
Se 196.026†	838.6	0.465034	mg/L	0.0001061	0.465034	mg/L	0.0001061	0.02%
Sn 189.927†	2117.5	0.465234	mg/L	0.0002225	0.465234	mg/L	0.0002225	0.05%
Ti 334.940†	530407.2	0.474566	mg/L	0.0017955	0.474566	mg/L	0.0017955	0.38%
Tl 190.801†	758.6	0.489000	mg/L	0.0026606	0.489000	mg/L	0.0026606	0.54%
V 290.880†	105275.0	0.473128	mg/L	0.0016132	0.473128	mg/L	0.0016132	0.34%
Zn 206.200†	28480.7	0.490148	mg/L	0.0022423	0.490148	mg/L	0.0022423	0.46%

Sequence No.: 17
Sample ID: 57098-020 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 122
Date Collected: 3/7/2011 4:26:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020 PS

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1585511.2	96.3	%	0.10				0.11%
Y 371.029	648190.6	93.6	%	0.08				0.08%
Ag 328.068†	13620.9	0.0795050	mg/L	0.00052202	0.0795050	mg/L	0.00052202	0.66%
Al 308.215†	220446.9	5.09318	mg/L	0.040693	5.09318	mg/L	0.040693	0.80%
As 188.979†	899.2	0.480012	mg/L	0.0033658	0.480012	mg/L	0.0033658	0.70%
Ba 233.527†	1173504.0	5.10628	mg/L	0.041048	5.10628	mg/L	0.041048	0.80%
Be 313.107†	2189948.8	0.484016	mg/L	0.0006163	0.484016	mg/L	0.0006163	0.13%
Ca 315.887†	9082202.7	54.0963	mg/L	0.02487	54.0963	mg/L	0.02487	0.05%
Cd 228.802†	32663.5	0.484619	mg/L	0.0035375	0.484619	mg/L	0.0035375	0.73%
Co 228.616†	27978.2	0.496459	mg/L	0.0042741	0.496459	mg/L	0.0042741	0.86%
Cr 267.716†	60183.4	0.491571	mg/L	0.0040211	0.491571	mg/L	0.0040211	0.82%
Cu 327.393†	95628.9	0.487587	mg/L	0.0049855	0.487587	mg/L	0.0049855	1.02%
Fe 273.955†	95347.5	5.03436	mg/L	0.041660	5.03436	mg/L	0.041660	0.83%
K 404.721†	2840.4						63.53	2.24%
Mg 279.077†	1360469.1	48.7502	mg/L	0.41735	48.7502	mg/L	0.41735	0.86%
Mn 257.610†	320676.8	0.504666	mg/L	0.0040383	0.504666	mg/L	0.0040383	0.80%
Mo 202.031†	9182.4	0.482120	mg/L	0.0015141	0.482120	mg/L	0.0015141	0.31%
Na 330.237†	68499.8	49.0101	mg/L	0.36193	49.0101	mg/L	0.36193	0.74%
Ni 231.604†	37277.0	0.492714	mg/L	0.0039425	0.492714	mg/L	0.0039425	0.80%
Pb 220.353†	85231.7	4.93907	mg/L	0.037589	4.93907	mg/L	0.037589	0.76%
Sb 206.836†	933.9	0.484910	mg/L	0.0062565	0.484910	mg/L	0.0062565	1.29%
Se 196.026†	864.7	0.479468	mg/L	0.0019759	0.479468	mg/L	0.0019759	0.41%
Sn 189.927†	2208.5	0.485138	mg/L	0.0034133	0.485138	mg/L	0.0034133	0.70%
Ti 334.940†	549603.5	0.491738	mg/L	0.0042319	0.491738	mg/L	0.0042319	0.86%
Tl 190.801†	797.3	0.513971	mg/L	0.0034295	0.513971	mg/L	0.0034295	0.67%
V 290.880†	108732.6	0.488703	mg/L	0.0043469	0.488703	mg/L	0.0043469	0.89%
Zn 206.200†	29177.1	0.502184	mg/L	0.0044782	0.502184	mg/L	0.0044782	0.89%

Sequence No.: 18
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/7/2011 4:29:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1573416.5	95.5	%	1.27				1.33%
Y 371.029	642630.4	92.8	%	1.20				1.29%
Ag 328.068†	16693.0	0.0976122	mg/L	0.00041375	0.0976122	mg/L	0.00041375	0.42%
QC value within limits for Ag 328.068 Recovery = 97.61%								
Al 308.215†	216561.9	5.00275	mg/L	0.036509	5.00275	mg/L	0.036509	0.73%
QC value within limits for Al 308.215 Recovery = 100.06%								
As 188.979†	919.3	0.490746	mg/L	0.0073355	0.490746	mg/L	0.0073355	1.49%
QC value within limits for As 188.979 Recovery = 98.15%								
Ba 233.527†	118439.7	0.513863	mg/L	0.0022194	0.513863	mg/L	0.0022194	0.43%
QC value within limits for Ba 233.527 Recovery = 102.77%								
Be 313.107†	2279102.1	0.503755	mg/L	0.0117356	0.503755	mg/L	0.0117356	2.33%
QC value within limits for Be 313.107 Recovery = 100.75%								
Ca 315.887†	8440842.7	50.2666	mg/L	1.17891	50.2666	mg/L	1.17891	2.35%
QC value within limits for Ca 315.887 Recovery = 100.53%								
Cd 228.802†	34132.8	0.506417	mg/L	0.0018631	0.506417	mg/L	0.0018631	0.37%
QC value within limits for Cd 228.802 Recovery = 101.28%								
Co 228.616†	28975.9	0.514212	mg/L	0.0028404	0.514212	mg/L	0.0028404	0.55%
QC value within limits for Co 228.616 Recovery = 102.84%								
Cr 267.716†	62345.1	0.509206	mg/L	0.0025312	0.509206	mg/L	0.0025312	0.50%
QC value within limits for Cr 267.716 Recovery = 101.84%								
Cu 327.393†	98374.4	0.501707	mg/L	0.0031711	0.501707	mg/L	0.0031711	0.63%
QC value within limits for Cu 327.393 Recovery = 100.34%								
Fe 273.955†	94816.1	5.00701	mg/L	0.019988	5.00701	mg/L	0.019988	0.40%
QC value within limits for Fe 273.955 Recovery = 100.14%								
K 404.721†	2935.3						174.12	5.93%
Unable to evaluate QC.								
Mg 279.077†	1413665.6	50.6596	mg/L	0.19890	50.6596	mg/L	0.19890	0.39%
QC value within limits for Mg 279.077 Recovery = 101.32%								
Mn 257.610†	321281.6	0.505641	mg/L	0.0023979	0.505641	mg/L	0.0023979	0.47%
QC value within limits for Mn 257.610 Recovery = 101.13%								
Mo 202.031†	9348.2	0.490938	mg/L	0.0071741	0.490938	mg/L	0.0071741	1.46%
QC value within limits for Mo 202.031 Recovery = 98.19%								
Na 330.237†	65224.5	46.7105	mg/L	0.27809	46.7105	mg/L	0.27809	0.60%
QC value within limits for Na 330.237 Recovery = 93.42%								
Ni 231.604†	38957.1	0.515004	mg/L	0.0027375	0.515004	mg/L	0.0027375	0.53%
QC value within limits for Ni 231.604 Recovery = 103.00%								
Pb 220.353†	8833.3	0.511976	mg/L	0.0082086	0.511976	mg/L	0.0082086	1.60%
QC value within limits for Pb 220.353 Recovery = 102.40%								
Sb 206.836†	959.0	0.497924	mg/L	0.0088796	0.497924	mg/L	0.0088796	1.78%
QC value within limits for Sb 206.836 Recovery = 99.58%								
Se 196.026†	899.1	0.498506	mg/L	0.0112999	0.498506	mg/L	0.0112999	2.27%
QC value within limits for Se 196.026 Recovery = 99.70%								
Sn 189.927†	2260.6	0.496446	mg/L	0.0075184	0.496446	mg/L	0.0075184	1.51%
QC value within limits for Sn 189.927 Recovery = 99.29%								
Ti 334.940†	557347.5	0.498666	mg/L	0.0028683	0.498666	mg/L	0.0028683	0.58%
QC value within limits for Ti 334.940 Recovery = 99.73%								
Tl 190.801†	818.2	0.527441	mg/L	0.0122393	0.527441	mg/L	0.0122393	2.32%
QC value within limits for Tl 190.801 Recovery = 105.49%								
V 290.880†	112905.5	0.507498	mg/L	0.0031490	0.507498	mg/L	0.0031490	0.62%
QC value within limits for V 290.880 Recovery = 101.50%								
Zn 206.200†	29598.8	0.509449	mg/L	0.0015159	0.509449	mg/L	0.0015159	0.30%
QC value within limits for Zn 206.200 Recovery = 101.89%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 3/7/2011 4:33:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1692480.8	103	%	0.9				0.85%
Y 371.029	710604.5	103	%	0.8				0.80%
Ag 328.068†	53.2	0.0001178	mg/L	0.00016200	0.0001178	mg/L	0.00016200	137.50%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-429.6	-0.0252609	mg/L	0.00197988	-0.0252609	mg/L	0.00197988	7.84%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.7	-0.0001936	mg/L	0.00064037	-0.0001936	mg/L	0.00064037	330.77%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	53.8	-0.0013860	mg/L	0.00000563	-0.0013860	mg/L	0.00000563	0.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	460.0	-0.0005984	mg/L	0.00004517	-0.0005984	mg/L	0.00004517	7.55%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	4037.7	-0.111678	mg/L	0.0042898	-0.111678	mg/L	0.0042898	3.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-15.2	-0.0000588	mg/L	0.00003709	-0.0000588	mg/L	0.00003709	63.06%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-2.4	-0.0015468	mg/L	0.00007593	-0.0015468	mg/L	0.00007593	4.91%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-12.8	-0.0012209	mg/L	0.00006761	-0.0012209	mg/L	0.00006761	5.54%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	97.5	-0.0007529	mg/L	0.00048395	-0.0007529	mg/L	0.00048395	64.28%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	97.1	-0.0127205	mg/L	0.00167112	-0.0127205	mg/L	0.00167112	13.14%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-52.6						89.75	170.75%
Unable to evaluate QC.								
Mg 279.077†	321.2	-0.0753915	mg/L	0.00349580	-0.0753915	mg/L	0.00349580	4.64%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	71.2	-0.0033612	mg/L	0.00004078	-0.0033612	mg/L	0.00004078	1.21%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	7.1	0.0003679	mg/L	0.00012358	0.0003679	mg/L	0.00012358	33.59%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	90.9	0.981171	mg/L	0.0339043	0.981171	mg/L	0.0339043	3.46%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	4.2	-0.0019896	mg/L	0.00004391	-0.0019896	mg/L	0.00004391	2.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	26.2	0.0004063	mg/L	0.00035930	0.0004063	mg/L	0.00035930	88.44%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.4	0.0019141	mg/L	0.00272323	0.0019141	mg/L	0.00272323	142.27%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.5	0.0002661	mg/L	0.00089155	0.0002661	mg/L	0.00089155	335.08%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	5.0	0.0026985	mg/L	0.00079762	0.0026985	mg/L	0.00079762	29.56%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	93.3	0.0001593	mg/L	0.00000325	0.0001593	mg/L	0.00000325	2.04%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.8	0.0007675	mg/L	0.00111769	0.0007675	mg/L	0.00111769	145.64%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-96.6	-0.0014747	mg/L	0.00000257	-0.0014747	mg/L	0.00000257	0.17%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	0.9	-0.0023206	mg/L	0.00002518	-0.0023206	mg/L	0.00002518	1.08%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 20
Sample ID: 57100-021
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 123
Date Collected: 3/7/2011 4:37:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-021

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1684442.4	102	%	0.3				0.28%
Y 371.029	700625.4	101	%	0.3				0.32%
Ag 328.068†	72.4	0.0002288	mg/L	0.00012325	0.0002288	mg/L	0.00012325	53.86%
Al 308.215†	6023.7	0.124579	mg/L	0.0005022	0.124579	mg/L	0.0005022	0.40%
As 188.979†	-0.9	0.0007041	mg/L	0.00002496	0.0007041	mg/L	0.00002496	3.54%
Ba 233.527†	1558.6	0.0051632	mg/L	0.00000617	0.0051632	mg/L	0.00000617	0.12%
Be 313.107†	79.8	-0.0006831	mg/L	0.00000059	-0.0006831	mg/L	0.00000059	0.09%
Ca 315.887†	1028168.4	6.00366	mg/L	0.076090	6.00366	mg/L	0.076090	1.27%
Cd 228.802†	-1.9	0.0001372	mg/L	0.00010344	0.0001372	mg/L	0.00010344	75.37%
Co 228.616†	-8.7	-0.0016570	mg/L	0.00006728	-0.0016570	mg/L	0.00006728	4.06%
Cr 267.716†	76.3	-0.0004855	mg/L	0.00000656	-0.0004855	mg/L	0.00000656	1.35%
Cu 327.393†	535.5	0.0013980	mg/L	0.00004877	0.0013980	mg/L	0.00004877	3.49%
Fe 273.955†	1079.5	0.0392101	mg/L	0.00065072	0.0392101	mg/L	0.00065072	1.66%
K 404.721†	-89.7						8.60	9.59%
Mg 279.077†	5062.7	0.0948088	mg/L	0.00009342	0.0948088	mg/L	0.00009342	0.10%
Mn 257.610†	2266.5	0.0001162	mg/L	0.00001080	0.0001162	mg/L	0.00001080	9.30%
Mo 202.031†	31.8	0.0015165	mg/L	0.00022888	0.0015165	mg/L	0.00022888	15.09%
Na 330.237†	4394.3	4.00253	mg/L	0.072256	4.00253	mg/L	0.072256	1.81%
Ni 231.604†	59.3	-0.0012588	mg/L	0.00027328	-0.0012588	mg/L	0.00027328	21.71%
Pb 220.353†	38.3	0.0011137	mg/L	0.00013153	0.0011137	mg/L	0.00013153	11.81%
Sb 206.836†	3.8	0.0016245	mg/L	0.00024622	0.0016245	mg/L	0.00024622	15.16%
Se 196.026†	-2.9	-0.0004930	mg/L	0.00103353	-0.0004930	mg/L	0.00103353	209.65%
Sn 189.927†	-2.2	0.0012467	mg/L	0.00141969	0.0012467	mg/L	0.00141969	113.88%
Ti 334.940†	1688.7	0.0015865	mg/L	0.00005955	0.0015865	mg/L	0.00005955	3.75%
Tl 190.801†	-1.5	-0.0026067	mg/L	0.00076573	-0.0026067	mg/L	0.00076573	29.38%
V 290.880†	48.7	-0.0008246	mg/L	0.00026086	-0.0008246	mg/L	0.00026086	31.63%
Zn 206.200†	1163.2	0.0178180	mg/L	0.00002102	0.0178180	mg/L	0.00002102	0.12%

Sequence No.: 21
Sample ID: 57100-021 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 124
Date Collected: 3/7/2011 4:40:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-021 SD

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1685319.8	102	%	0.8				0.79%
Y 371.029	704676.9	102	%	0.7				0.67%
Ag 328.068†	64.8	0.0001859	mg/L	0.00015094	0.0001859	mg/L	0.00015094	81.21%
Al 308.215†	1037.9	0.0088163	mg/L	0.00329627	0.0088163	mg/L	0.00329627	37.39%
As 188.979†	-2.7	-0.0002250	mg/L	0.00141158	-0.0002250	mg/L	0.00141158	627.42%
Ba 233.527†	344.9	-0.0001191	mg/L	0.00000498	-0.0001191	mg/L	0.00000498	4.18%
Be 313.107†	146.4	-0.0006679	mg/L	0.00002224	-0.0006679	mg/L	0.00002224	3.33%
Ca 315.887†	205234.2	1.08972	mg/L	0.011700	1.08972	mg/L	0.011700	1.07%
Cd 228.802†	-22.7	-0.0001703	mg/L	0.00000043	-0.0001703	mg/L	0.00000043	0.25%
Co 228.616†	1.2	-0.0014819	mg/L	0.00009258	-0.0014819	mg/L	0.00009258	6.25%
Cr 267.716†	-23.2	-0.0013038	mg/L	0.00001465	-0.0013038	mg/L	0.00001465	1.12%
Cu 327.393†	258.5	0.0000536	mg/L	0.00033104	0.0000536	mg/L	0.00033104	617.91%
Fe 273.955†	270.9	-0.0035352	mg/L	0.00211840	-0.0035352	mg/L	0.00211840	59.92%
K 404.721†	-162.7						83.17	51.10%
Mg 279.077†	1107.4	-0.0471732	mg/L	0.00204442	-0.0471732	mg/L	0.00204442	4.33%
Mn 257.610†	493.7	-0.0026921	mg/L	0.00000203	-0.0026921	mg/L	0.00000203	0.08%
Mo 202.031†	10.8	0.0005327	mg/L	0.00045980	0.0005327	mg/L	0.00045980	86.32%
Na 330.237†	841.6	1.50820	mg/L	0.054758	1.50820	mg/L	0.054758	3.63%
Ni 231.604†	11.3	-0.0018955	mg/L	0.00027437	-0.0018955	mg/L	0.00027437	14.47%
Pb 220.353†	14.4	-0.0002765	mg/L	0.00035506	-0.0002765	mg/L	0.00035506	128.42%
Sb 206.836†	6.0	0.0027425	mg/L	0.00033958	0.0027425	mg/L	0.00033958	12.38%
Se 196.026†	0.6	0.0014407	mg/L	0.00266254	0.0014407	mg/L	0.00266254	184.81%
Sn 189.927†	-1.8	0.0012317	mg/L	0.00020062	0.0012317	mg/L	0.00020062	16.29%
Ti 334.940†	361.4	0.0003992	mg/L	0.00004338	0.0003992	mg/L	0.00004338	10.87%
Tl 190.801†	2.9	0.0001998	mg/L	0.00109997	0.0001998	mg/L	0.00109997	550.52%
V 290.880†	-35.7	-0.0012011	mg/L	0.00002380	-0.0012011	mg/L	0.00002380	1.98%
Zn 206.200†	240.8	0.0018362	mg/L	0.00006915	0.0018362	mg/L	0.00006915	3.77%

Sequence No.: 22
Sample ID: EF-DIH2O
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 125
Date Collected: 3/7/2011 4:44:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: EF-DIH2O

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1700507.4	103	%	1.3				1.23%
Y 371.029	709820.6	103	%	1.1				1.11%
Ag 328.068†	141.4	0.0006380	mg/L	0.00008986	0.0006380	mg/L	0.00008986	14.08%
Al 308.215†	-317.5	-0.0226613	mg/L	0.00662543	-0.0226613	mg/L	0.00662543	29.24%
As 188.979†	-0.9	0.0007624	mg/L	0.00099249	0.0007624	mg/L	0.00099249	130.18%
Ba 233.527†	369.3	-0.0000130	mg/L	0.00007233	-0.0000130	mg/L	0.00007233	557.00%
Be 313.107†	144.3	-0.0006683	mg/L	0.00000388	-0.0006683	mg/L	0.00000388	0.58%
Ca 315.887†	101987.0	0.473201	mg/L	0.0031294	0.473201	mg/L	0.0031294	0.66%
Cd 228.802†	1.1	0.0001830	mg/L	0.00011687	0.0001830	mg/L	0.00011687	63.86%
Co 228.616†	-3.2	-0.0015627	mg/L	0.00024642	-0.0015627	mg/L	0.00024642	15.77%
Cr 267.716†	44.7	-0.0007510	mg/L	0.00021887	-0.0007510	mg/L	0.00021887	29.15%
Cu 327.393†	822.1	0.0029503	mg/L	0.00025826	0.0029503	mg/L	0.00025826	8.75%
Fe 273.955†	804.5	0.0246526	mg/L	0.00305038	0.0246526	mg/L	0.00305038	12.37%
K 404.721†	-172.5						58.97	34.19%
Mg 279.077†	2155.4	-0.0095578	mg/L	0.00032924	-0.0095578	mg/L	0.00032924	3.44%
Mn 257.610†	596.2	-0.0025282	mg/L	0.00004606	-0.0025282	mg/L	0.00004606	1.82%
Mo 202.031†	9.8	0.0004951	mg/L	0.00022408	0.0004951	mg/L	0.00022408	45.26%
Na 330.237†	527.1	1.28741	mg/L	0.037223	1.28741	mg/L	0.037223	2.89%
Ni 231.604†	22.9	-0.0017423	mg/L	0.00025916	-0.0017423	mg/L	0.00025916	14.87%
Pb 220.353†	14.2	-0.0002908	mg/L	0.00132336	-0.0002908	mg/L	0.00132336	455.06%
Sb 206.836†	3.2	0.0013313	mg/L	0.00180555	0.0013313	mg/L	0.00180555	135.63%
Se 196.026†	-9.4	-0.0040714	mg/L	0.00169115	-0.0040714	mg/L	0.00169115	41.54%
Sn 189.927†	2.2	0.0021023	mg/L	0.00058142	0.0021023	mg/L	0.00058142	27.66%
Ti 334.940†	551.8	0.0005695	mg/L	0.00004762	0.0005695	mg/L	0.00004762	8.36%
Tl 190.801†	-1.2	-0.0024328	mg/L	0.00131942	-0.0024328	mg/L	0.00131942	54.23%
V 290.880†	-141.6	-0.0016810	mg/L	0.00015418	-0.0016810	mg/L	0.00015418	9.17%
Zn 206.200†	865.1	0.0126340	mg/L	0.00031093	0.0126340	mg/L	0.00031093	2.46%

Sequence No.: 23 Autosampler Location: 7
Sample ID: ICSA V-107289 Date Collected: 3/7/2011 4:48:11 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1407016.0	85.4	%	0.37				0.43%
Y 371.029	578978.0	83.6	%	0.34				0.40%
Ag 328.068†	-1058.4	-0.0030320	mg/L	0.00014578	-0.0030320	mg/L	0.00014578	4.81%
Al 308.215†	21749321.6	505.089	mg/L	1.6070	505.089	mg/L	1.6070	0.32%
QC value within limits for Al 308.215 Recovery = 101.02%								
As 188.979†	-49.8	0.0011939	mg/L	0.00467268	0.0011939	mg/L	0.00467268	391.38%
Ba 233.527†	824.4	-0.0000599	mg/L	0.00000019	-0.0000599	mg/L	0.00000019	0.31%
Be 313.107†	-3417.9	0.0000637	mg/L	0.00002321	0.0000637	mg/L	0.00002321	36.46%
Ca 315.887†	79932676.2	477.162	mg/L	1.9940	477.162	mg/L	1.9940	0.42%
QC value within limits for Ca 315.887 Recovery = 95.43%								
Cd 228.802†	299.7	-0.0008216	mg/L	0.00022317	-0.0008216	mg/L	0.00022317	27.16%
Co 228.616†	-200.6	-0.0026218	mg/L	0.00002007	-0.0026218	mg/L	0.00002007	0.77%
Cr 267.716†	-307.3	0.0031999	mg/L	0.00015510	0.0031999	mg/L	0.00015510	4.85%
Cu 327.393†	1886.1	0.0012070	mg/L	0.00050147	0.0012070	mg/L	0.00050147	41.55%
Fe 273.955†	3579326.1	189.148	mg/L	0.1941	189.148	mg/L	0.1941	0.10%
QC value within limits for Fe 273.955 Recovery = 94.57%								
K 404.721†	-446.9						71.86	16.08%
Mg 279.077†	13829399.8	496.271	mg/L	2.4501	496.271	mg/L	2.4501	0.49%
QC value within limits for Mg 279.077 Recovery = 99.25%								
Mn 257.610†	-6340.5	-0.0004670	mg/L	0.00004953	-0.0004670	mg/L	0.00004953	10.61%
Mo 202.031†	145.1	0.0083119	mg/L	0.00013884	0.0083119	mg/L	0.00013884	1.67%
Na 330.237†	606.2	1.34297	mg/L	0.014959	1.34297	mg/L	0.014959	1.11%
Ni 231.604†	-5.4	-0.0021121	mg/L	0.00024000	-0.0021121	mg/L	0.00024000	11.36%
Pb 220.353†	-1367.7	0.0007530	mg/L	0.00005632	0.0007530	mg/L	0.00005632	7.48%
Sb 206.836†	-60.6	-0.0102126	mg/L	0.00039199	-0.0102126	mg/L	0.00039199	3.84%
Se 196.026†	-26.7	0.0178975	mg/L	0.00415498	0.0178975	mg/L	0.00415498	23.22%
Sn 189.927†	-17.4	0.0014485	mg/L	0.00076217	0.0014485	mg/L	0.00076217	52.62%
Ti 334.940†	3036.0	0.0027919	mg/L	0.00011510	0.0027919	mg/L	0.00011510	4.12%
Tl 190.801†	-21.9	-0.0000614	mg/L	0.00213390	-0.0000614	mg/L	0.00213390	>999.9%
V 290.880†	6348.5	0.0067395	mg/L	0.00000432	0.0067395	mg/L	0.00000432	0.06%
Zn 206.200†	421.9	-0.0000945	mg/L	0.00034733	-0.0000945	mg/L	0.00034733	367.67%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/7/2011 4:53:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1409183.8	85.6	%	0.26				0.30%
Y 371.029	578964.0	83.6	%	0.32				0.38%
Ag 328.068†	176801.7	1.04564	mg/L	0.001375	1.04564	mg/L	0.001375	0.13%
QC value within limits for Ag 328.068 Recovery = 104.56%								
Al 308.215†	21708372.4	504.138	mg/L	0.7247	504.138	mg/L	0.7247	0.14%
QC value within limits for Al 308.215 Recovery = 100.83%								
As 188.979†	1896.4	1.03901	mg/L	0.000547	1.03901	mg/L	0.000547	0.05%
QC value within limits for As 188.979 Recovery = 103.90%								
Ba 233.527†	121430.5	0.524911	mg/L	0.0006282	0.524911	mg/L	0.0006282	0.12%
QC value within limits for Ba 233.527 Recovery = 104.98%								
Be 313.107†	2289001.8	0.507745	mg/L	0.0010038	0.507745	mg/L	0.0010038	0.20%
QC value within limits for Be 313.107 Recovery = 101.55%								
Ca 315.887†	80096602.8	478.141	mg/L	0.9110	478.141	mg/L	0.9110	0.19%
QC value within limits for Ca 315.887 Recovery = 95.63%								
Cd 228.802†	70392.9	1.03897	mg/L	0.003006	1.03897	mg/L	0.003006	0.29%
QC value within limits for Cd 228.802 Recovery = 103.90%								
Co 228.616†	27395.8	0.488065	mg/L	0.0004315	0.488065	mg/L	0.0004315	0.09%
QC value within limits for Co 228.616 Recovery = 97.61%								
Cr 267.716†	61260.9	0.504649	mg/L	0.0010799	0.504649	mg/L	0.0010799	0.21%
QC value within limits for Cr 267.716 Recovery = 100.93%								
Cu 327.393†	107275.8	0.541140	mg/L	0.0017665	0.541140	mg/L	0.0017665	0.33%
QC value within limits for Cu 327.393 Recovery = 108.23%								
Fe 273.955†	3571676.4	188.745	mg/L	0.3600	188.745	mg/L	0.3600	0.19%
QC value within limits for Fe 273.955 Recovery = 94.37%								
K 404.721†	-440.0						52.17	11.86%
Mg 279.077†	13911296.5	499.211	mg/L	1.0012	499.211	mg/L	1.0012	0.20%
QC value within limits for Mg 279.077 Recovery = 99.84%								
Mn 257.610†	313687.9	0.505813	mg/L	0.0009424	0.505813	mg/L	0.0009424	0.19%
QC value within limits for Mn 257.610 Recovery = 101.16%								
Mo 202.031†	134.5	0.0077078	mg/L	0.00025708	0.0077078	mg/L	0.00025708	3.34%
Na 330.237†	1930.1	2.27243	mg/L	0.017788	2.27243	mg/L	0.017788	0.78%
Ni 231.604†	71895.0	0.951559	mg/L	0.0022827	0.951559	mg/L	0.0022827	0.24%
QC value within limits for Ni 231.604 Recovery = 95.16%								
Pb 220.353†	15409.7	0.972745	mg/L	0.0003259	0.972745	mg/L	0.0003259	0.03%
QC value within limits for Pb 220.353 Recovery = 97.27%								
Sb 206.836†	1968.2	1.04344	mg/L	0.004051	1.04344	mg/L	0.004051	0.39%
QC value within limits for Sb 206.836 Recovery = 104.34%								
Se 196.026†	1831.4	1.04344	mg/L	0.006706	1.04344	mg/L	0.006706	0.64%
QC value within limits for Se 196.026 Recovery = 104.34%								
Sn 189.927†	-21.0	0.0006855	mg/L	0.00073506	0.0006855	mg/L	0.00073506	107.23%
Ti 334.940†	3509.1	0.0032150	mg/L	0.00008705	0.0032150	mg/L	0.00008705	2.71%
Tl 190.801†	1486.6	0.971820	mg/L	0.0025299	0.971820	mg/L	0.0025299	0.26%
QC value within limits for Tl 190.801 Recovery = 97.18%								
V 290.880†	116577.4	0.504305	mg/L	0.0013665	0.504305	mg/L	0.0013665	0.27%
QC value within limits for V 290.880 Recovery = 100.86%								
Zn 206.200†	57691.8	0.990777	mg/L	0.0039311	0.990777	mg/L	0.0039311	0.40%
QC value within limits for Zn 206.200 Recovery = 99.08%								

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/7/2011 4:59:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1555399.7	94.4	%	1.10				1.16%
Y 371.029	638776.1	92.3	%	1.05				1.14%
Ag 328.068†	16771.3	0.0980698	mg/L	0.00184636	0.0980698	mg/L	0.00184636	1.88%
QC value within limits for Ag 328.068 Recovery = 98.07%								
Al 308.215†	219563.1	5.07239	mg/L	0.094878	5.07239	mg/L	0.094878	1.87%
QC value within limits for Al 308.215 Recovery = 101.45%								
As 188.979†	931.4	0.497217	mg/L	0.0035237	0.497217	mg/L	0.0035237	0.71%
QC value within limits for As 188.979 Recovery = 99.44%								
Ba 233.527†	118701.7	0.515003	mg/L	0.0094020	0.515003	mg/L	0.0094020	1.83%
QC value within limits for Ba 233.527 Recovery = 103.00%								
Be 313.107†	2287815.6	0.505681	mg/L	0.0090822	0.505681	mg/L	0.0090822	1.80%
QC value within limits for Be 313.107 Recovery = 101.14%								
Ca 315.887†	8475429.8	50.4731	mg/L	0.88193	50.4731	mg/L	0.88193	1.75%
QC value within limits for Ca 315.887 Recovery = 100.95%								
Cd 228.802†	34356.3	0.509730	mg/L	0.0081217	0.509730	mg/L	0.0081217	1.59%
QC value within limits for Cd 228.802 Recovery = 101.95%								
Co 228.616†	29172.0	0.517693	mg/L	0.0087702	0.517693	mg/L	0.0087702	1.69%
QC value within limits for Co 228.616 Recovery = 103.54%								
Cr 267.716†	62689.9	0.512029	mg/L	0.0091623	0.512029	mg/L	0.0091623	1.79%
QC value within limits for Cr 267.716 Recovery = 102.41%								
Cu 327.393†	98852.4	0.504149	mg/L	0.0088617	0.504149	mg/L	0.0088617	1.76%
QC value within limits for Cu 327.393 Recovery = 100.83%								
Fe 273.955†	95472.6	5.04181	mg/L	0.084709	5.04181	mg/L	0.084709	1.68%
QC value within limits for Fe 273.955 Recovery = 100.84%								
K 404.721†	2978.3						16.50	0.55%
Unable to evaluate QC.								
Mg 279.077†	1423798.6	51.0233	mg/L	0.73641	51.0233	mg/L	0.73641	1.44%
QC value within limits for Mg 279.077 Recovery = 102.05%								
Mn 257.610†	324123.8	0.510143	mg/L	0.0090492	0.510143	mg/L	0.0090492	1.77%
QC value within limits for Mn 257.610 Recovery = 102.03%								
Mo 202.031†	9397.7	0.493542	mg/L	0.0039053	0.493542	mg/L	0.0039053	0.79%
QC value within limits for Mo 202.031 Recovery = 98.71%								
Na 330.237†	65695.9	47.0415	mg/L	0.96335	47.0415	mg/L	0.96335	2.05%
QC value within limits for Na 330.237 Recovery = 94.08%								
Ni 231.604†	39094.1	0.516823	mg/L	0.0098305	0.516823	mg/L	0.0098305	1.90%
QC value within limits for Ni 231.604 Recovery = 103.36%								
Pb 220.353†	8859.3	0.513500	mg/L	0.0033801	0.513500	mg/L	0.0033801	0.66%
QC value within limits for Pb 220.353 Recovery = 102.70%								
Sb 206.836†	966.1	0.501617	mg/L	0.0063086	0.501617	mg/L	0.0063086	1.26%
QC value within limits for Sb 206.836 Recovery = 100.32%								
Se 196.026†	908.1	0.503444	mg/L	0.0051090	0.503444	mg/L	0.0051090	1.01%
QC value within limits for Se 196.026 Recovery = 100.69%								
Sn 189.927†	2262.4	0.496850	mg/L	0.0028554	0.496850	mg/L	0.0028554	0.57%
QC value within limits for Sn 189.927 Recovery = 99.37%								
Ti 334.940†	564932.2	0.505451	mg/L	0.0082661	0.505451	mg/L	0.0082661	1.64%
QC value within limits for Ti 334.940 Recovery = 101.09%								
Tl 190.801†	825.7	0.532285	mg/L	0.0026042	0.532285	mg/L	0.0026042	0.49%
QC value within limits for Tl 190.801 Recovery = 106.46%								
V 290.880†	113385.4	0.509657	mg/L	0.0097549	0.509657	mg/L	0.0097549	1.91%
QC value within limits for V 290.880 Recovery = 101.93%								
Zn 206.200†	29744.4	0.511967	mg/L	0.0095815	0.511967	mg/L	0.0095815	1.87%
QC value within limits for Zn 206.200 Recovery = 102.39%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 26 Autosampler Location: 1
Sample ID: CCB Date Collected: 3/7/2011 5:03:03 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1693453.2	103	%	0.1				0.05%
Y 371.029	710665.9	103	%	0.1				0.06%
Ag 328.068†	35.4	0.0000126	mg/L	0.00044037	0.0000126	mg/L	0.00044037	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-472.2	-0.0262513	mg/L	0.00071134	-0.0262513	mg/L	0.00071134	2.71%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.2	0.0000362	mg/L	0.00090922	0.0000362	mg/L	0.00090922	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	45.0	-0.0014244	mg/L	0.00007421	-0.0014244	mg/L	0.00007421	5.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	472.7	-0.0005956	mg/L	0.00003809	-0.0005956	mg/L	0.00003809	6.40%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	5253.4	-0.104419	mg/L	0.0046564	-0.104419	mg/L	0.0046564	4.46%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	1.6	0.0001904	mg/L	0.00004180	0.0001904	mg/L	0.00004180	21.96%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-0.1	-0.0015063	mg/L	0.00000959	-0.0015063	mg/L	0.00000959	0.64%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-25.1	-0.0013208	mg/L	0.00003706	-0.0013208	mg/L	0.00003706	2.81%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	87.6	-0.0008039	mg/L	0.00001852	-0.0008039	mg/L	0.00001852	2.30%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	118.1	-0.0116101	mg/L	0.00070959	-0.0116101	mg/L	0.00070959	6.11%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-94.2						53.16	56.42%
Unable to evaluate QC.								
Mg 279.077†	330.5	-0.0750584	mg/L	0.00158403	-0.0750584	mg/L	0.00158403	2.11%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	91.2	-0.0033294	mg/L	0.00002584	-0.0033294	mg/L	0.00002584	0.78%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.0	0.0004162	mg/L	0.00035874	0.0004162	mg/L	0.00035874	86.20%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	69.0	0.965792	mg/L	0.0444273	0.965792	mg/L	0.0444273	4.60%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	21.1	-0.0017656	mg/L	0.00016763	-0.0017656	mg/L	0.00016763	9.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.8	-0.0010627	mg/L	0.00020548	-0.0010627	mg/L	0.00020548	19.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.7	0.0015557	mg/L	0.00325383	0.0015557	mg/L	0.00325383	209.15%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.5	-0.0002955	mg/L	0.00439206	-0.0002955	mg/L	0.00439206	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.5	0.0010635	mg/L	0.00053630	0.0010635	mg/L	0.00053630	50.43%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	153.2	0.0002129	mg/L	0.00000500	0.0002129	mg/L	0.00000500	2.35%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.1	0.0003000	mg/L	0.00084726	0.0003000	mg/L	0.00084726	282.37%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-227.0	-0.0020638	mg/L	0.00004322	-0.0020638	mg/L	0.00004322	2.09%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-6.2	-0.0024425	mg/L	0.00004437	-0.0024425	mg/L	0.00004437	1.82%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Method: HGCV2 SPLP (7470A) Page 1 Date: 3/9/2011 9:57:16 AM

1st Rev cja 3/9/11 V-110100

Analysis Begun

Logged In Analyst: johns Technique: AA FIMS-MHS
Spectrometer Model: FIMS-100, S/N B050-9550 Autosampler Model: AS-90

Shiaw 3/10/11

Sample Information File: C:\data-AA\johns\Sample Information\DEFAULT.SID.sif
Batch ID: H12376SP
Results Data Set: H12376SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A) Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 3/9/2011 9:51:50 AM
Analyst: Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0011	0.0024	0.0011	09:52:46	Yes
2		[0.00]	0.0011	0.0027	0.0011	09:53:18	Yes
Mean:		[0.00]	0.0011				
SD:		0.00	0.0000				
%RSD:		0.00	2.08				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: .2 PPB Date Collected: 3/9/2011 9:53:20 AM
Analyst: Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0008	0.0039	0.0019	09:54:16	Yes
2		[0.2]	0.0010	0.0048	0.0021	09:54:48	Yes
Mean:		[0.2]	0.0009				
SD:		0.0	0.0001				
%RSD:		0.0	10.71				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00455 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: .5 PPB Date Collected: 3/9/2011 9:54:49 AM
Analyst: Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0026	0.0103	0.0036	09:55:45	Yes
2		[0.5]	0.0025	0.0082	0.0035	09:56:17	Yes
Mean:		[0.5]	0.0025				
SD:		0.0	0.0001				
%RSD:		0.0	3.01				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999057 Slope: 0.00506 Intercept: -0.00004

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1 PPB Date Collected: 3/9/2011 9:56:18 AM
Analyst: Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0053	0.0172	0.0064	09:57:14	Yes
2	[1]	0.0052	0.0170	0.0063	09:57:47	Yes
Mean:	[1]	0.0053				
SD:	0	0.0001				
%RSD:	0	1.69				

Standard number 3 applied. [1]
Correlation Coef.: 0.999517 Slope: 0.00530 Intercept: -0.00008

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 3/9/2011 9:57:48 AM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0104	0.0316	0.0115	09:58:44	Yes
2		[2]	0.0104	0.0324	0.0115	09:59:17	Yes
Mean:		[2]	0.0104				
SD:		0	0.0000				
%RSD:		0	0.08				

Standard number 4 applied. [2]
Correlation Coef.: 0.999875 Slope: 0.00524 Intercept: -0.00006

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 3/9/2011 9:59:18 AM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0268	0.0767	0.0278	10:00:14	Yes
2		[5]	0.0265	0.0767	0.0276	10:00:46	Yes
Mean:		[5]	0.0266				
SD:		0	0.0002				
%RSD:		0	0.75				

Standard number 5 applied. [5]
Correlation Coef.: 0.999955 Slope: 0.00534 Intercept: -0.00012

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 3/9/2011 10:00:47 AM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0528	0.1494	0.0539	10:01:43	Yes
2		[10]	0.0531	0.1475	0.0542	10:02:16	Yes
Mean:		[10]	0.0530				
SD:		0	0.0002				
%RSD:		0	0.43				

Standard number 6 applied. [10]
Correlation Coef.: 0.999987 Slope: 0.00531 Intercept: -0.00009

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 3/9/2011 10:02:17 AM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1287	0.3603	0.1298	10:03:12	Yes
2		[25]	0.1304	0.3627	0.1315	10:03:44	Yes
Mean:		[25]	0.1296				
SD:		0	0.0012				
%RSD:		0	0.91				

Standard number 7 applied. [25]
Correlation Coef.: 0.999950 Slope: 0.00519 Intercept: 0.00016

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.031	0.00	2.1
.2 PPB	0.0009	0.2	0.144	0.00	10.7
.5 PPB	0.0025	0.5	0.453	0.00	3.0
1 PPB	0.0053	1.0	0.980	0.00	1.7
2 PPB	0.0104	2.0	1.971	0.00	0.1
5 PPB	0.0266	5.0	5.095	0.00	0.7
10 PPB	0.0530	10.0	10.170	0.00	0.4
25 PPB	0.1296	25.0	24.918	0.00	0.9

Correlation Coef.: 0.999950 Slope: 0.00519 Intercept: 0.00016

Sequence No.: 9 **Autosampler Location: 10**
Sample ID: ICV (2) **Date Collected: 3/9/2011 10:03:45 AM**
Analyst: **Data Type: Original**

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.50	20.50	0.1066	0.2990	0.1077	10:04:44	Yes
2	20.19	20.19	0.1050	0.2922	0.1061	10:05:17	Yes
Mean:	20.34	20.34	0.1058				
SD:	0.219	0.219	0.0011				
%RSD:	1.074	1.074	1.07				

QC value within limits for Hg 253.7 Recovery = 101.71%
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 3/9/2011 10:05:18 AM**
Analyst: **Data Type: Original**

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.070	-0.070	-0.0002	0.0005	0.0009	10:06:14	Yes
2	-0.035	-0.035	-0.0000	0.0015	0.0011	10:06:46	Yes
Mean:	-0.052	-0.052	-0.0001				
SD:	0.025	0.025	0.0001				
%RSD:	47.38	47.38	117.47				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 11**
Sample ID: MB 3400 (1) **Date Collected: 3/9/2011 10:06:48 AM**
Analyst: **Data Type: Original**

Replicate Data: MB 3400 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.035	-0.035	-0.0000	0.0006	0.0011	10:07:44	Yes
2	-0.018	-0.018	0.0001	0.0025	0.0011	10:08:17	Yes
Mean:	-0.026	-0.026	0.0000				
SD:	0.012	0.012	0.0001				
%RSD:	46.52	46.52	255.54				

Sequence No.: 12 **Autosampler Location: 12**
Sample ID: LCSW 3400 **Date Collected: 3/9/2011 10:08:18 AM**
Analyst: **Data Type: Original**

Replicate Data: LCSW 3400

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.33	10.33	0.0538	0.1516	0.0549	10:09:14	Yes
2	10.28	10.28	0.0536	0.1484	0.0546	10:09:47	Yes
Mean:	10.31	10.31	0.0537				

SD:	0.038	0.038	0.0002
%RSD:	0.365	0.365	0.36

Sequence No.: 13
Sample ID: LCSW MR 3400
Analyst:
Autosampler Location: 13
Date Collected: 3/9/2011 10:09:48 AM
Data Type: Original

Replicate Data: LCSW MR 3400

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.57	10.57	0.0551	0.1537	0.0561	10:10:44	Yes
2	10.46	10.46	0.0545	0.1512	0.0556	10:11:16	Yes
Mean:	10.51	10.51	0.0548				
SD:	0.079	0.079	0.0004				
%RSD:	0.752	0.752	0.75				

Sequence No.: 14
Sample ID: 57098-020
Analyst:
Autosampler Location: 14
Date Collected: 3/9/2011 10:11:18 AM
Data Type: Original

Replicate Data: 57098-020

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0002	0.0045	0.0012	10:12:13	Yes
2	-0.013	-0.013	0.0001	0.0037	0.0012	10:12:46	Yes
Mean:	-0.006	-0.006	0.0001				
SD:	0.010	0.010	0.0001				
%RSD:	174.4	174.4	38.23				

Sequence No.: 15
Sample ID: 57098-020 MR
Analyst:
Autosampler Location: 15
Date Collected: 3/9/2011 10:12:47 AM
Data Type: Original

Replicate Data: 57098-020 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	0.0001	0.0038	0.0012	10:13:43	Yes
2	-0.015	-0.015	0.0001	0.0028	0.0012	10:14:16	Yes
Mean:	-0.010	-0.010	0.0001				
SD:	0.008	0.008	0.0000				
%RSD:	78.75	78.75	35.49				

Sequence No.: 16
Sample ID: 57098-020 SPLP SPK
Analyst:
Autosampler Location: 16
Date Collected: 3/9/2011 10:14:17 AM
Data Type: Original

Replicate Data: 57098-020 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.21	10.21	0.0532	0.1494	0.0542	10:15:12	Yes
2	10.10	10.10	0.0526	0.1478	0.0537	10:15:45	Yes
Mean:	10.15	10.15	0.0529				
SD:	0.074	0.074	0.0004				
%RSD:	0.734	0.734	0.73				

Sequence No.: 17
Sample ID: 57100-021
Analyst:
Autosampler Location: 17
Date Collected: 3/9/2011 10:15:46 AM
Data Type: Original

Replicate Data: 57100-021

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.023	-0.023	0.0000	0.0022	0.0011	10:16:41	Yes
2	-0.014	-0.014	0.0001	0.0021	0.0012	10:17:14	Yes
Mean:	-0.018	-0.018	0.0001				
SD:	0.007	0.007	0.0000				

%RSD: 36.36 36.36 51.67

==========

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK 3/2 **Date Collected: 3/9/2011 10:17:16 AM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK 3/2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.020	-0.020	0.0001	0.0031	0.0011	10:18:11	Yes
2	-0.051	-0.051	-0.0001	0.0006	0.0010	10:18:44	Yes
Mean:	-0.036	-0.036	-0.0000				
SD:	0.022	0.022	0.0001				
%RSD:	62.01	62.01	484.82				

==========

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 3/9/2011 10:18:45 AM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.12	10.12	0.0527	0.1481	0.0538	10:19:44	Yes
2	10.20	10.20	0.0532	0.1485	0.0542	10:20:17	Yes
Mean:	10.16	10.16	0.0529				
SD:	0.059	0.059	0.0003				
%RSD:	0.584	0.584	0.58				

QC value within limits for Hg 253.7 Recovery = 101.62%
All analyte(s) passed QC.

==========

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 3/9/2011 10:20:18 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.016	-0.016	0.0001	0.0030	0.0012	10:21:14	Yes
2	-0.016	-0.016	0.0001	0.0026	0.0012	10:21:46	Yes
Mean:	-0.016	-0.016	0.0001				
SD:	0.000	0.000	0.0000				
%RSD:	2.930	2.930	3.11				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

SPLP
Metal Data
Digestion Logbook Data

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 OTHER_____

Batch No.: 12319 Analyst: JS

QC Number: 3328 Prep Date: 2/15/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50 mL	50 mL				--	
LCS	↓	↓				--	
LCSD						--	
1. 57098-001					DI BLANK 2/11/11	57098-001 SPK SPIK	
MR 57098-001					---		
MS 57098-001					↓	↓	
MSD							
2. 57098-005	50 mL	50 mL			DI Blank 2/11/11	57098-001 SPK SPIK	
3. 57100-001	↓	↓			DI Blank 2/15/11		
4. 57100-006					↓		
5. DI Blank 2/11					DI Blank 2/15		
6. DI Blank 2/15	↓	↓				↓	
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 93.4 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5	V- 5401, V-5402
LLLCS, LLLCSD		V-
MS, MSD	.5	V- 5401, V-5402
~~LLMS, LLMSD~~ MS/MSD	.225	V- 4835, V-4838

Acid	Vol mL	Lot#
HNO_3	3.0	V- 5510
HCl		V- ~~5494~~
H_2O_2		V- ~~5559~~
~~1:1 HNO_3~~		~~V- 5507~~

Acid	Vol mL	Lot#
1:1 HNO_3	5 mL	V- ~~107507~~
1:1 HCl	5 mL	V-107507

Relinquished By _____ Date 2/15/11

Received By _____ Date 2/15/11

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12319 Analyst: JS

QC Number: 3328 Prep Date: 2/15/13 2/13/13

Matrix: SPG Review By: CM.

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25ml	25ml	
LCS			
LCSD			
1 57098-001			
MR 57098-001			
MS 57098-001			SPK.
MSD			
2 57098-005	25ml	25ml	
3 57100-001			
4 57100-006			
5 DI Blank 2/13/13			
6 DI Blank 2/15/13			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108393	HNO_3	.625ml	V- 5540
$K_2S_2O_8$: V- 101634	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25ml	V- 5359
	Aqua Regia		V-

**Block Temp. :	93.1 ° C
Time In Block:	1330
Time Out of Block:	1530
** Required range = 90-95 ° C	

Spike Volume & Lot #

☐ LCS V- 108483 0.15g / 0.25 ml

☐ MS V- 108483 0.250 ml

☐ Standards/Control Batch B- ~~9529~~ 9691 CB 3/7/13

Relinquished By:

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 **OTHER** _____

Batch No.: 12334 Analyst: JS

QC Number: 3350 Prep Date: 2/22/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml			DI BLK 2/20/11	--	
LCS	↓	↓			↓	--	
LCSD	↓	↓			↓	--	
1. 57098-010	↓	↓			↓	57098-010 SPSK	
MR 57098-010	↓	↓			↓	↓	
MS 57098-010	↓	↓			↓	↓	
MSD							
2. 57100-011	50ml	50ml			DI BLK 2/20/11	57098-010 SB SPSK	
3. DI BLANK 2/22/11	↓	↓			↓	↓	
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 93.4 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5ml	V-5401, V-5402
LLLCS, LLLCSD		V-
MS, MSD	.5ml	V-5401, V-5402
DLMS, DLMSD	.225ml	V-4835, V-4838

Acid	Vol mL	Lot#
HNO_3	3.0	V-5540
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3		V-
1:1 HCl	5.0	V- 107507

Relinquished By _____ Date 2/22/11

Received By _____ Date 2/22/11

MERCURY SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12334 (Reset) Analyst: JS

QC Number: 3350 Prep Date: 2/24/11

Matrix: SOLP Review By: GR

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	250 ml	250 ml	
LCS	↓	↓	
LCSD	↓	↓	
1 S7098-010	↓	↓	
MR S7098-010	↓	↓	
MS S7098-010	↓	↓	
MSD ~~S7098-010~~			
2 S7100-011	250 ml	250 ml	
3 DI Blank above	↓	↓	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108388	HNO_3	.625	V- 5540
$K_2S_2O_8$: V- 101034	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25	V- 5359
	Aqua Regia	~~X~~	V-

**Block Temp. :	93.2 ° C
Time In Block:	1330
Time Out of Block:	1530
** Required range = 90-95 ° C	

Spike Volume & Lot #

☐ LCS V- 109066 0.15g / 0.25 ml

☐ MS V- 109066 0.250 ml

☐ Standards/Control Batch B- 9739

Relinquished By: [signature]

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 **OTHER**_____

Batch No.: 12358 (Reset) Analyst: JS

QC Number: 3382 Prep Date: 3/3/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50 ml	50 ml			DI Blk 3/2/25	--	
LCS	↓	↓			↓	--	
LCSD	↓	↓			↓	--	
1. S7098-015	↓	↓			↓	S7098-015 DI SPLP	
MR S7098-015	↓	↓			↓	↓	
MS S7098-015	↓	↓			↓	↓	
MSD	↓	↓			↓	↓	
2. S7100-016	50 ml	50 ml			DI Blk 3/2/25	S7100-016 SPLP	
3. DI Blank 3/2/25	↓	↓			↓	↓	
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 92.8 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5	V- 5401, V-5402
LLLCS, LLLCSD		V-
MS, MSD	.5 ml	V- 5401, V-5402
~~LLMS, LLMSD~~	.225 ml	V- 4835, V-4838

Acid	Vol mL	Lot#
HNO_3	3	V- 5540
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3		V-
1:1 HCl	5	V- 105295

Relinquished By_____ Date 3/3/11

Received By_____ Date 3/3/11

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12358 (Reset) Analyst: JS

QC Number: 3382 Prep Date: 3/3/11

Matrix: SPLP Review By: CJA

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25ml	25ml	
LCS	↓	↓	
LCSD	↓	↓	
1 57098-015	↓	↓	
MR 57098-015	↓	↓	
MS 57098-015	↓	↓	Spk.
MSD	↓	↓	
2 ~~57098~~ 57100-016	25ml	25ml	
3 DI Blank 3/25	↓	↓	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108386	HNO_3	.625	V- 5540
$K_2S_2O_8$: V- 109597	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25	V- 5359
	Aqua Regia		V-

**Block Temp.:	93.4° C
Time In Block:	1230
Time Out of Block:	1430
** Required range = 90-95° C	

Spike Volume & Lot #

☐ LCS V- 109752 0.15g / 0.25 ml

☐ MS V- 109752 0.250 ml

☑ Standards/Control Batch B- 9790

Relinquished By: [signature]

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A 3050B (6020) 200.2 OTHER _____

Batch No.: 12376 Analyst: JS

QC Number: 3400 Prep Date: 3/7/11

Matrix: SPLP Reviewed By: [illegible]

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50 ml	50 ml				--	
LCS	↓	↓				--	
LCSD						--	
1. 57098,020					DI H2O	57098-020	
MR 57098-020					↓	↓	
MS 57098-020							
MSD							
2. 57100-021	50 ml	50 ml			DI H2O	57098 020	
3. DI Blank 3/	↓	↓			↓		
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 94 C (90-95° C)

	Volume mL	Lot #
S, LCSD	.5 ml	V- 5401, 5402
LCS, LLLCSD		V-
, MSD	.5 ml	V- 5401, 5402
MS, LLMSD	.225	V- 1335, 1336

Acid	Vol mL	Lot#
HNO_3	3 ml	V-5540
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3	.5 ml	V-
1:1 HCl	.5 ml	V- 105295

Relinquished By _____ Date 3/7/11

Received By _____ Date 3/7/11

HG SAMPLE PREPARATION LOG

Hampton-Clarke/Veritech

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12376 Analyst: JS

QC Number: 3400 Prep Date: 3/7/11

Matrix: Sed Review By: CJA

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25 ml	25 ml	
LCS			
LCSD			
1 S7098-020			
MR S7098-020			
MS S7098-020			
MSD			
2 S7100-021	25 ml	25 ml	
3 DI Blank 3/2			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108388	HNO_3	1.25 ml	V- SS40
$K_2S_2O_8$: V- ~~104537~~	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25 ml	V- 5359
CB 3/10 ↓ 109597	Aqua Regia		V-

**Block Temp.	93.5 ° C
Time In Block:	1230
Time Out of Block:	1430
** Required range = 90-95 ° C	

Spike Volume & Lot #

☐ LCS V- 109948 0.15g / 0.25 ml

☐ MS V- 109948 0.250 ml

☐ Standards/Control Batch B- ~~9797~~ 9807 3/7

Relinquished By:

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 02/10/2011 **Finish Date:** 2/11/11

**TCLP Ext. Fluid #1 pH: 4.91 (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: D.I. 4.57 (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

	Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC	57100-001	—	—	11.15	D.I.	2L	10:00	10:00	cga/JS	SP	
AC	57098-001	—	—	10.76	↓	↓	↓	↓	↓	↓	
	DI-blank	4.57	—	5.44	↓	↓	↓	↓	↓	↓	
	57214-003	5.75	1.78	4.88	EF-1 107674	100g/2L	1600	1000	JS	T	
	EF-1-107674	—	—	4.88	↓	2L	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0770

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI = 6.92

Start Date: 2/14/10 **Finish Date:** 2/15/11

**TCLP Ext. Fluid #1 pH:_____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:_____ (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH:_____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC57198-001	11.52	1.79	11.58	EF-1 1070674	150g/3L	14:00	0800	JC	T	organics and metals
AC57236-010	6.65	2.01	4.91	↓	100g/2L				↓	organics
AC5720-001	6.74	—	5.15	SPLP Fluid 1060794					P	
AC57141-001	5.85	—	6.41	↓					↓	
SPLP Fluid 1060794 ~~5.84~~ DI DMP11		4.15	5.08	—	↓	↓		↓	↓	
57098-0085 ~~DI~~	—	—	10.37	~~DI~~	1 man/2L	1130		JS	P	
57100-10056 ~~DI~~	—	—	10.72	↓	↓	↓		↓	↓	
DI Blank	—	—	6.33	↓	2L	↓		↓	↓	
EF-1 1070674	4.88	—	4.88	—	3L	14:00	↓	JC	T	organics and metals

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 2/19/11 ~~2/20/11~~

Finish Date: 2/20/11

DI 7.27

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
JPC 2/19/11 57098-010	—		10.26	DI Blank 2/20	1 mon / 2000 ml	~~12:25~~	~~12:25~~	GPC	P	
DI ~~57098-011~~ 57100-011	—		10.30	↓	↓	↓	↓	↓	↓	
DI BLANK	—		8.16	↓	2000 ml	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0771

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI 7.04
TCLP EF-1 = 4.97

Start Date: 2/24/11 Finish Date: 2/25/11

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC57396-001	8.82	—	9.91	SPLP Fluid 109139	100g/2L	16:00	~~16:00~~ 10:00 JC	JC	P	Organics only
AC57396-002	7.51	—	7.95	↓	↓	↓	10:00	↓	↓	↓
SPLP Fluid 109139	4.02	—	9.84	↓	↓	↓	↓	↓	↓	↓
AC57379-001	8.18	1.77	4.94	EF-1 108537	↓	↓	↓	↓	T	Metals only
EF-1 108537	4.97	—	4.91	↓	~~100g/1 mL~~ ↓	↓	↓	↓	↓	↓
57098-015	—	—	10:30	DI BLK 2/25/11	100g/1 mL	1330	13:40	JS	P	
57100-016	—	—	10.67	↓	100g/2000mL	↓	↓	↓	↓	
DI BLANK	—	—	5.50	↓	2000 mL	↓	JC 2/24/11	↓	↓	
AC57359-002	8.32	— JC	9.94	SPLP Fluid 109139	100g/2L	16:00	~~10:00~~	~~JC~~ JC 2/24/11	P	Organics only
AC57330-003	12.21	~~8.10~~	~~6.02~~ 2/24/11	EF-2 109145	↓	↓	10:00	↓	T	Metals and Organics
EF-2 109145	4.84	—	2.99	↓	2L	↓	↓	↓	T	↓

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI H_2O = 7.45

Start Date: 3/1/11 **Finish Date:** 3/2/11

**TCLP Ext. Fluid #1 pH:_____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:_____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:_____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
57098-020	—	—	10.13	DI 3 blank 3/2/11	1 liter / 2000	1450	1450	JS	P	
57100-020	—	—	10.24	↓	↓	↓	↓	↓	↓	
DI blank 3/2/11	—	—	7.10	↓	2000	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

HAMPTONCLARKE·VERITECH

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Project: Port Jervis

Client PO: B0043021.0001.00

Report To: ARCADIS
4915 Prospectus Drive
Suite F
Durham, NC 27713

Attn: D.Liles

Received Date: 2/9/2011

Report Date: 4/5/2011

Deliverables: NYDOH-CatB

Lab ID: AC57099

Lab Project No: 1020305

This report is a true report of results obtained from our tests of this material. All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Jeri Rossi - Quality Assurance Director OR Stanley Gilewicz - Laboratory Director

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

HC·V
HAMPTONCLARKE·VERITECH

TABLE OF CONTENTS

HC·V LABORATORY RESULTS	PAGE NOS.
SDG Narrative	1-2
Reporting Limit Definitions	3-4
Data Package Summary Forms	5-16
Chain of Custody Forms	17-22
SPLP GC/MS Volatiles Data	23-460

SDG Narrative

HCV Case Narrative/Conformance Summary

Client: Arcadis
Project: Port Jervis

HCV Project: 1020305

Hampton-Clarke/Veritech (HC·V) received the following samples on February 03, 2011:

Client ID	HCV Sample ID	Matrix	Analysis
ISSS6 small monolith (1st)	AC57099-001	Monolith	SPLP VOA (8260B)
ISSS6 small monolith (2nd)	AC57099-002	Monolith	SPLP extract & hold
ISSS6 small monolith (3rd)	AC57099-003	Monolith	SPLP extract & hold
ISSS6 small monolith (4th)	AC57099-004	Monolith	SPLP extract & hold
ISSS6 small monolith (5th)	AC57099-005	Monolith	SPLP VOA (8260B)
ISSS6 small monolith (6th)	AC57099-006	Monolith	SPLP extract & hold
ISSS6 small monolith (7th)	AC57099-007	Monolith	SPLP extract & hold
ISSS6 small monolith (8th)	AC57099-008	Monolith	SPLP extract & hold
ISSS6 small monolith (9th)	AC57099-009	Monolith	SPLP extract & hold
ISSS6 small monolith (10th)	AC57099-010	Monolith	SPLP VOA (8260B)
ISSS6 small monolith (11th)	AC57099-011	Monolith	SPLP extract & hold
ISSS6 small monolith (12th)	AC57099-012	Monolith	SPLP extract & hold
ISSS6 small monolith (13th)	AC57099-013	Monolith	SPLP extract & hold
ISSS6 small monolith (14th)	AC57099-014	Monolith	SPLP extract & hold
ISSS6 small monolith (15th)	AC57099-015	Monolith	SPLP VOA (8260B)
ISSS6 small monolith (16th)	AC57099-016	Monolith	SPLP extract & hold
ISSS6 small monolith (17th)	AC57099-017	Monolith	SPLP extract & hold
ISSS6 small monolith (18th)	AC57099-018	Monolith	SPLP extract & hold
ISSS6 small monolith (19th)	AC57099-019	Monolith	SPLP extract & hold
ISSS6 small monolith (20th)	AC57099-020	Monolith	SPLP VOA (8260B)

Samples AC57099-001 through -020 were prepped for SPLP analysis according to Arcadis Standard Operating Procedure "Monolith Leaching Method".

SPLP Volatile Organic Analysis:

Methylene chloride was recovered in Extraction Fluid Blanks EF-3-1014 and EF-3-V-1014 and in samples AC57099-001, 005, 010, 015, and 020 suggesting laboratory contamination.

Samples AC57099-015 and 020 was activated and tumbled outside holding time.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

4/5/11
Date

Reporting Limit Definitions

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL = Reporting Limit *

RT = Retention Time

NA = Not Applicable

ND = Not Detected

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the concentration is below the Reporting Limit (RL) but above the MDL (Method Detection Limit). The concentration reported is an estimate.

*For Clean Water Act and SW846 Organic Methods and Metals Methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

*For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

HCV Report Of Analysis

Client: ARCADIS
Project: Port Jervis

HCV Project #: 1020305

Sample ID: ISSS6 small monolith (1st)
Lab#: AC57099-001
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	0.24	1.0	ND
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	0.58	1.0	ND
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	1	ug/l	4.0	5.0	ND
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	1	ug/l	0.37	0.50	ND
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	1	ug/l	0.30	1.0	ND
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	1	ug/l	0.65	1.0	ND
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	1	ug/l	0.75	1.0	ND
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**120**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	1	ug/l	0.54	1.0	ND
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	1.0	ND
Toluene	1	ug/l	0.40	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	1	ug/l	0.54	1.0	ND

Sample ID: ISSS6 small monolith (5th)
Lab#: AC57099-005
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	0.24	1.0	ND
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	0.58	1.0	ND
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	1	ug/l	4.0	5.0	ND
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	1	ug/l	0.37	0.50	ND
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	**1**	**ug/l**	**0.30**	1.0	**1.6**
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	1	ug/l	0.65	1.0	ND
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	1	ug/l	0.75	1.0	ND
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**230**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	1	ug/l	0.54	1.0	ND
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	1.0	ND
Toluene	1	ug/l	0.40	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	1	ug/l	0.54	1.0	ND

Sample ID: ISSS6 small monolith (10th)
Lab#: AC57099-010
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**1.6**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**0.58**	1.0	**0.67J**
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	**1**	**ug/l**	**4.0**	5.0	**16**
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	**1**	**ug/l**	**0.37**	0.50	**0.41J**
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	**1**	**ug/l**	**0.30**	1.0	**0.43J**
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**2.2**
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**2.6**
Methylene chloride	**5**	**ug/l**	**3.9**	5.0	**740**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**1.7**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	0.50	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**0.54J**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**4.3**

Sample ID: ISSS6 small monolith (15th) **Collection Date:** 2/8/2011
Lab#: AC57099-015 **Receipt Date:** 2/9/2011
Matrix: Monolith

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	0.24	1.0	ND
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	0.58	1.0	ND
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	**1**	**ug/l**	**4.0**	5.0	**18**
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	1	ug/l	0.37	0.50	ND
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	1	ug/l	0.30	1.0	ND
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	1	ug/l	0.36	1.0	ND
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	1	ug/l	0.65	1.0	ND
Isopropylbenzene	1	ug/l	0.42	1.0	ND
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**1.1**
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**130**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	1	ug/l	0.34	1.0	ND
o-Xylene	1	ug/l	0.54	1.0	ND
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	0.50	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**0.52J**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**1.1**

Sample ID: ISSS6 small monolith (20th)
Lab#: AC57099-020
Matrix: Monolith

Collection Date: 2/8/2011
Receipt Date: 2/9/2011

SPLP Volatiles 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	1	ug/l	0.48	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	0.34	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	0.82	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.55	1.0	ND
1,1-Dichloroethane	1	ug/l	0.33	1.0	ND
1,1-Dichloroethene	1	ug/l	0.58	1.0	ND
1,2,3-Trichloropropane	1	ug/l	0.91	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**0.24**	1.0	**3.6**
1,2-Dichlorobenzene	1	ug/l	0.77	1.0	ND
1,2-Dichloroethane	1	ug/l	0.43	0.50	ND
1,2-Dichloropropane	1	ug/l	0.37	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**0.58**	1.0	**1.3**
1,3-Dichlorobenzene	1	ug/l	0.42	1.0	ND
1,3-Dichloropropane	1	ug/l	0.51	1.0	ND
1,4-Dichlorobenzene	1	ug/l	0.33	1.0	ND
1,4-Dioxane	1	ug/l	27	50	ND
2-Butanone	1	ug/l	0.90	1.0	ND
2-Chloroethylvinylether	1	ug/l	0.86	1.0	ND
2-Hexanone	1	ug/l	0.46	1.0	ND
4-Isopropyltoluene	1	ug/l	0.49	1.0	ND
4-Methyl-2-pentanone	1	ug/l	0.85	1.0	ND
Acetone	**1**	**ug/l**	**4.0**	5.0	**37**
Acrolein	1	ug/l	2.9	5.0	ND
Acrylonitrile	1	ug/l	0.92	2.0	ND
Benzene	1	ug/l	0.37	0.50	ND
Bromodichloromethane	1	ug/l	0.43	1.0	ND
Bromoform	1	ug/l	0.29	1.0	ND
Bromomethane	1	ug/l	0.97	1.0	ND
Carbon disulfide	1	ug/l	0.30	1.0	ND
Carbon tetrachloride	1	ug/l	0.67	1.0	ND
Chlorobenzene	1	ug/l	0.67	1.0	ND
Chloroethane	1	ug/l	0.76	1.0	ND
Chloroform	**1**	**ug/l**	**0.36**	1.0	**0.67J**
Chloromethane	1	ug/l	0.45	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	0.29	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.64	1.0	ND
Dibromochloromethane	1	ug/l	0.55	1.0	ND
Dichlorodifluoromethane	1	ug/l	0.51	1.0	ND
Ethylbenzene	**1**	**ug/l**	**0.65**	1.0	**2.7**
Isopropylbenzene	**1**	**ug/l**	**0.42**	1.0	**0.44J**
m&p-Xylenes	**1**	**ug/l**	**0.75**	1.0	**3.5**
Methylene chloride	**1**	**ug/l**	**0.77**	1.0	**320**
Methyl-t-butyl ether	1	ug/l	0.31	0.50	ND
n-Butylbenzene	1	ug/l	0.48	1.0	ND
n-Propylbenzene	**1**	**ug/l**	**0.34**	1.0	**0.45J**
o-Xylene	**1**	**ug/l**	**0.54**	1.0	**1.8**
sec-Butylbenzene	1	ug/l	0.47	1.0	ND
Styrene	1	ug/l	0.33	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	5.0	ND
t-Butylbenzene	1	ug/l	0.25	1.0	ND
Tetrachloroethene	1	ug/l	0.33	1.0	ND
Toluene	**1**	**ug/l**	**0.40**	1.0	**0.49J**
trans-1,2-Dichloroethene	1	ug/l	0.81	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.61	1.0	ND
Trichloroethene	1	ug/l	0.45	1.0	ND
Trichlorofluoromethane	1	ug/l	0.86	1.0	ND
Vinyl chloride	1	ug/l	0.85	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**0.54**	1.0	**5.3**

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-001(T)
Client Id: ISSS6 small monolith (1st)
Data File: 6M65447.D
Analysis Date: 02/11/11 18:44
Date Rec/Extracted: 02/03/11-02/11/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**120**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U	1330-20-7	Xylenes (Total)	0.54	U

Worksheet #: 182563

Total Target Concentration 120

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-005(T)
Client Id: ISSS6 small monolith (5th)
Data File: 6M65543.D
Analysis Date: 02/15/11 19:40
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**230**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**1.6**	1330-20-7	Xylenes (Total)	0.54	U

Worksheet #: 182563

Total Target Concentration 230

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-010(T)
Client Id: ISSS6 small monolith (10th)
Data File: 3M88080.D
Analysis Date: 02/22/11 13:57
Date Rec/Extracted: 02/03/11-02/22/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.6**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**2.2**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**0.67 J**	**136777612**	**m&p-Xylenes**	**0.75**	**2.6**
541-73-1	1,3-Dichlorobenzene	0.42	U	142-28-9	1,3-Dichloropropane	0.51	U
1634-04-4	Methyl-t-butyl ether	0.31	U	106-46-7	1,4-Dichlorobenzene	0.33	U
104-51-8	n-Butylbenzene	0.48	U	123-91-1	1,4-Dioxane	27	U
103-65-1	n-Propylbenzene	0.34	U	78-93-3	2-Butanone	0.90	U
95-47-6	**o-Xylene**	**0.54**	**1.7**	110-75-8	2-Chloroethylvinylether	0.86	U
135-98-8	sec-Butylbenzene	0.47	U	591-78-6	2-Hexanone	0.46	U
100-42-5	Styrene	0.33	U	99-87-6	4-Isopropyltoluene	0.49	U
75-65-0	t-Butyl Alcohol	5.0	U	108-10-1	4-Methyl-2-Pentanone	0.85	U
98-06-6	t-Butylbenzene	0.25	U	**67-64-1**	**Acetone**	**4.0**	**16**
127-18-4	Tetrachloroethene	0.33	U	107-02-8	Acrolein	2.9	U
108-88-3	**Toluene**	**0.40**	**0.54 J**	107-13-1	Acrylonitrile	0.92	U
156-60-5	trans-1,2-Dichloroethene	0.81	U	**71-43-2**	**Benzene**	**0.37**	**0.41 J**
10061-02-6	trans-1,3-Dichloropropene	0.61	U	75-27-4	Bromodichloromethane	0.43	U
79-01-6	Trichloroethene	0.45	U	75-25-2	Bromoform	0.29	U
75-69-4	Trichlorofluoromethane	0.86	U	74-83-9	Bromomethane	0.97	U
75-01-4	Vinyl Chloride	0.85	U	**75-15-0**	**Carbon Disulfide**	**0.30**	**0.43 J**
1330-20-7	**Xylenes (Total)**	**0.54**	**4.3**				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-010(5X)
Client Id: ISSS6 small monolith (10th)
Data File: 3M88472.D
Analysis Date: 02/28/11 15:04
Date Rec/Extracted: 02/03/11-02/22/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 5.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
75-09-2	**Methylene Chloride**	**3.9**	**740**				

Worksheet #: 182568

Total Target Concentration 740

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-015(T)
Client Id: ISSS6 small monolith (15th)
Data File: 3M88319.D
Analysis Date: 02/25/11 16:49
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**1.1**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**130**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**18**	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	**108-88-3**	**Toluene**	**0.40**	**1.0**	**0.52J**
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**1.1**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-020(T)
Client Id: ISSS6 small monolith (20th)
Data File: 2M63708.D
Analysis Date: 03/03/11 15:16
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	**67-66-3**	**Chloroform**	**0.36**	**1.0**	**0.67J**
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.0**	**3.6**	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.0**	**2.7**
78-87-5	1,2-Dichloropropane	0.37	1.0	U	**98-82-8**	**Isopropylbenzene**	**0.42**	**1.0**	**0.44J**
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**1.0**	**1.3**	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**3.5**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**320**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	**103-65-1**	**n-Propylbenzene**	**0.34**	**1.0**	**0.45J**
78-93-3	2-Butanone	0.90	1.0	U	**95-47-6**	**o-Xylene**	**0.54**	**1.0**	**1.8**
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**37**	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	**108-88-3**	**Toluene**	**0.40**	**1.0**	**0.49J**
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**5.3**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Chain of Custody Forms

1020305

0018

ARCADIS
Infrastructure, environment, buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: David Liles, ARCADIS
Telephone: 919 544 4535
Address:
Fax:
City State Zip
E-mail Address:

Project Name/Location (City, State): Port Jervis
Project #:
Sampler's Printed Name: Stephanie Branch
Sampler's Signature: Stephanie Branch

Preservative							
Filtered (✓)							
# of Containers	1						
Container Information							

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil SE - Sediment NL - NAPL/Oil
W - Water SL - Sludge SW - Sample Wipe
T - Tissue A - Air Other: _____

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PARAMETER ANALYSIS & METHOD: Mercury Leaching SOP & Method 8260	REMARKS
~~ISSS 3~~ BP 2/9/11	2/8/11	16:00		↓	SO	X	
ISSS 6 Small monolith	↓	↓		↓	↓	X	AC57099-001 through -020

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name:	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Stephanie Branch	Printed Name: FEDEX	Printed Name: FED EX	Printed Name: Ricardo Sluce
☐ Cooler packed with ice (✓)		Signature: Stephanie Branch	Signature:	Signature:	Signature:
Specify Turnaround Requirements:	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm: HCV
Shipping Tracking #:	Condition/Cooler Temp:	Date/Time: 2/8/11 16:00	Date/Time:	Date/Time:	Date/Time: 2/9/11 10:30

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

0019

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name Pt Jervis

Project Location Durham, NC

Laboratory HCV

Project Manager DAVE LILES

Sampler(s)/Affiliation _____

1020305

AC57099-001 through -020

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	monolith leaching SOP + method 8260	monolith leaching SOP + methods 8270 & 6010	pH	hardness (200.7)	total dissolved solids		Remarks	Total
~~ISSS3 small monolith~~	S	2/1/11		✓							1
~~ISSS3 large monolith~~		2/1/11			✓						1
ISSS6 small monolith		2/1/11		✓							1
~~ISSS6 large monolith~~		2/2/11			✓						1
~~RW~~ BR 2/4/11	L	2/2/11				✓	✓	✓			1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 5

					Seal Intact?
Relinquished by: David S. Liles	Organization: ARCADIS	Date 2/2/11	Time 16:00		
Received by: _____	Organization: _____	Date / /	Time _____		Yes No N/A
Relinquished by: FEDEX	Organization: _____	Date 2/3/11	Time 10:10		Seal Intact?
Received by: [illegible]	Organization: HCV	Date 2/3/11	Time 10:10		Yes No N/A

Special Instructions/Remarks:

Results to david.liles@arcadis-us.com

questions (919) 328-5574

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

PROJECT NOTES

Client: ARCADIS-NC **HCV Project #:** 1020305

Project: Port Jervis

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ben192.168.1.28
2/10/2011 8:56:20 AM

Special Arcadis Monolith Leaching Procedure.

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ben192.168.1.28
2/10/2011 9:10:28 AM

Monoliths collected on 2/1, received on 2/3/11 were either received broken or were broken when being extruded from the plastic tube. A replacement monolith was collected on 2/8/11, received 2/9/11 at 1030 by Ricardo S. and will use the same project/sample numbers as the original monolith. Collection date/time revised, original received date remains the same, due dates revised. Original and replacement COCs included. BR 2/10/11.

---

ben192.168.1.103
4/4/2011 12:51:26 PM

Revised receive date due to error when generating final report. BR 4/4/11.

CONDITION UPON RECEIPT

Batch Number AC57099 Entered By: Frantz

Date Entered 2/3/2011 12:01:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.9, RT
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NO	Are samples preserved correctly? Samples were received in Zip-lock Bags.
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified? Replacement monolith received 2/9 in FedEx box only with bubble wrap.
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC57099-001	02/03/11 10:10	FRAN	0	M	Received
AC57099-001	02/03/11 12:00	FRAN	0	M	Login
AC57099-001	02/11/11 13:38	R22	3	A	NONE
AC57099-001	02/11/11 13:38	R22	4	A	NONE
AC57099-001	02/11/11 16:32	WP	4	A	VOA
AC57099-001	02/09/11 12:33	R12	5	A	NONE
AC57099-001	02/10/11 05:58	SW	5	A	zhe
AC57099-001	03/22/11 08:51	MAXW	5	A	SHELF
AC57099-002	02/03/11 10:10	RICAR	0	M	Received
AC57099-002	02/04/11 13:22	RICAR	0	M	Login
AC57099-002	02/14/11 08:06	R22	1	A	NONE
AC57099-002	02/14/11 08:06	R22	2	A	NONE
AC57099-002	02/14/11 12:09	WP	2	A	VOA
AC57099-002	02/15/11 09:40	SG	2	A	VOA
AC57099-003	02/03/11 10:10	RICAR	0	M	Received
AC57099-003	02/04/11 13:22	RICAR	0	M	Login
AC57099-003	02/14/11 08:06	R22	1	A	NONE
AC57099-003	02/14/11 08:06	R22	2	A	NONE
AC57099-003	02/14/11 12:09	WP	2	A	VOA
AC57099-003	02/15/11 09:40	SG	2	A	VOA
AC57099-004	02/03/11 10:10	RICAR	0	M	Received
AC57099-004	02/04/11 13:22	RICAR	0	M	Login
AC57099-004	02/15/11 11:33	R22	1	A	NONE
AC57099-004	02/15/11 15:07	SG	1	A	VOA
AC57099-004	02/15/11 11:33	R22	2	A	NONE
AC57099-005	02/03/11 10:10	RICAR	0	M	Received
AC57099-005	02/04/11 13:22	RICAR	0	M	Login
AC57099-005	02/15/11 11:33	R22	1	A	NONE
AC57099-005	02/15/11 15:07	SG	1	A	VOA
AC57099-005	02/15/11 11:33	R22	2	A	NONE
AC57099-006	02/03/11 10:10	RICAR	0	M	Received
AC57099-006	02/04/11 13:22	RICAR	0	M	Login
AC57099-006	02/17/11 08:07	R22	1	A	NONE
AC57099-006	02/17/11 08:07	R22	2	A	NONE
AC57099-006	02/18/11 18:08	WP	2	A	voa
AC57099-007	02/03/11 10:10	RICAR	0	M	Received
AC57099-007	02/04/11 13:22	RICAR	0	M	Login
AC57099-007	02/18/11 04:38	R22	1	A	NONE
AC57099-007	02/18/11 18:08	WP	1	A	voa
AC57099-007	02/18/11 04:38	R22	2	A	NONE
AC57099-008	02/03/11 10:10	RICAR	0	M	Received
AC57099-008	02/04/11 13:22	RICAR	0	M	Login
AC57099-008	02/18/11 12:09	R22	1	A	NONE
AC57099-008	02/18/11 12:09	R22	2	A	NONE
AC57099-009	02/03/11 10:10	RICAR	0	M	Received
AC57099-009	02/04/11 13:22	RICAR	0	M	Login
AC57099-009	02/22/11 10:02	R22	1	M	NONE
AC57099-009	02/22/11 11:50	SG	1	A	VOA
AC57099-009	02/22/11 10:02	R22	2	M	NONE
AC57099-010	02/03/11 10:10	RICAR	0	M	Received
AC57099-010	02/04/11 13:22	RICAR	0	M	Login
AC57099-010	02/22/11 10:02	R22	1	M	NONE
AC57099-010	02/22/11 11:50	SG	1	A	VOA
AC57099-010	02/22/11 10:02	R22	2	M	NONE
AC57099-010	02/28/11 14:53	WP	2	A	VOA
AC57099-011	02/03/11 10:10	RICAR	0	M	Received
AC57099-011	02/04/11 13:22	RICAR	0	M	Login
AC57099-011	02/22/11 10:02	R22	1	M	NONE
AC57099-011	02/22/11 11:50	SG	1	A	VOA
AC57099-011	02/22/11 10:02	R22	2	M	NONE
AC57099-012	02/03/11 10:10	RICAR	0	M	Received
AC57099-012	02/04/11 13:22	RICAR	0	M	Login
AC57099-012	02/23/11 10:20	R22	1	M	NONE
AC57099-012	02/23/11 14:00	SG	1	A	VOA
AC57099-012	02/23/11 10:20	R22	2	M	NONE
AC57099-012	02/24/11 10:48	SG	2	A	VOA
AC57099-013	02/03/11 10:10	RICAR	0	M	Received
AC57099-013	02/04/11 13:22	RICAR	0	M	Login
AC57099-013	02/23/11 13:47	R22	1	A	NONE
AC57099-013	02/24/11 12:21	SG	1	A	VOA
AC57099-013	02/23/11 13:47	R22	2	A	NONE
AC57099-014	02/03/11 10:10	RICAR	0	M	Received
AC57099-014	02/04/11 13:22	RICAR	0	M	Login
AC57099-014	02/24/11 10:33	R22	1	A	NONE
AC57099-014	02/25/11 12:53	SG	1	A	VOA

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC57099-014	02/24/11 10:33	R22	2	A	NONE
AC57099-015	02/03/11 10:10	RICAR	0	M	Received
AC57099-015	02/04/11 13:22	RICAR	0	M	Login
AC57099-015	02/25/11 10:43	R22	1	A	NONE
AC57099-015	02/25/11 12:53	SG	1	A	VOA
AC57099-015	02/25/11 10:43	R22	2	A	NONE
AC57099-016	02/03/11 10:10	RICAR	0	M	Received
AC57099-016	02/04/11 13:22	RICAR	0	M	Login
AC57099-016	02/28/11 10:38	R22	1	A	NONE
AC57099-016	02/28/11 13:15	WP	1	A	voa
AC57099-016	02/28/11 10:38	R22	2	A	NONE
AC57099-016	03/02/11 10:15	WP	2	A	VOA
AC57099-017	02/03/11 10:10	RICAR	0	M	Received
AC57099-017	02/04/11 13:22	RICAR	0	M	Login
AC57099-017	02/28/11 10:38	R22	1	A	NONE
AC57099-017	02/28/11 13:15	WP	1	A	voa
AC57099-017	02/28/11 10:38	R22	2	A	NONE
AC57099-018	02/03/11 10:10	RICAR	0	M	Received
AC57099-018	02/04/11 13:22	RICAR	0	M	Login
AC57099-018	02/28/11 10:38	R22	1	A	NONE
AC57099-018	02/28/11 13:15	WP	1	A	voa
AC57099-018	02/28/11 10:38	R22	2	A	NONE
AC57099-019	02/03/11 10:10	RICAR	0	M	Received
AC57099-019	02/04/11 13:22	RICAR	0	M	Login
AC57099-019	03/02/11 09:26	R22	1	A	NONE
AC57099-019	03/03/11 14:05	SG	1	A	VOA
AC57099-019	03/02/11 09:26	R22	2	A	NONE
AC57099-020	02/03/11 10:10	RICAR	0	M	Received
AC57099-020	02/04/11 13:22	RICAR	0	M	Login
AC57099-020	03/03/11 08:51	R22	1	A	NONE
AC57099-020	03/03/11 14:05	SG	1	A	VOA
AC57099-020	03/03/11 08:51	R22	2	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

SPLP
GC/MS Volatile Data

SPLP
GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
6M65420.D	DAILY BLANK	Aqueous	02/11/11 11:11	1		98	99	91	99		
6M65448.D	EF-3-1014(2/1	Aqueous	02/11/11 19:00	1		105	102	89	96		
6M65525.D	DAILY BLANK	Aqueous	02/15/11 14:36	1		110	107	86	102		
6M65641.D	DAILY BLANK	Aqueous	02/18/11 17:00	1		107	103	94	101		
6M65447.D	AC57099-001(	Aqueous	02/11/11 18:44	1		105	105	94	102		
6M65422.D	MBS6006	Aqueous	02/11/11 11:44	1		99	97	93	97		
6M65527.D	MBS6024	Aqueous	02/15/11 15:18	1		109	101	95	98		
6M65546.D	AC57097-005(	Aqueous	02/15/11 20:29	1		112	106	88	102		
6M65643.D	MBS6063	Aqueous	02/18/11 17:33	1		103	99	98	106		
6M65649.D	AC57097-005(	Aqueous	02/18/11 19:13	1		103	96	98	102		
6M65650.D	AC57097-005(	Aqueous	02/18/11 19:30	1		99	96	98	107		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
6M65525.D	DAILY BLANK	Aqueous	02/15/11 14:36	1		110	107	86	102		
6M65544.D	EF-3-1014(2/1	Aqueous	02/15/11 19:56	1		112	106	88	103		
6M65641.D	DAILY BLANK	Aqueous	02/18/11 17:00	1		107	103	94	101		
6M65543.D	AC57099-005(	Aqueous	02/15/11 19:40	1		109	100	89	97		
6M65527.D	MBS6024	Aqueous	02/15/11 15:18	1		109	101	95	98		
6M65546.D	AC57097-005(	Aqueous	02/15/11 20:29	1		112	106	88	102		
6M65643.D	MBS6063	Aqueous	02/18/11 17:33	1		103	99	98	106		
6M65649.D	AC57097-005(	Aqueous	02/18/11 19:13	1		103	96	98	102		
6M65650.D	AC57097-005(	Aqueous	02/18/11 19:30	1		99	96	98	107		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3M88073.D	DAILY BLANK	Aqueous	02/22/11 12:01	1		107	106	94	94		
3M88085.D	EF-3-V-1014#	Aqueous	02/22/11 15:20	1		103	107	92	95		
3M88449.D	DAILY BLANK	Aqueous	02/28/11 08:31	1		102	102	98	94		
3M88080.D	AC57099-010(	Aqueous	02/22/11 13:57	1		107	107	94	98		
3M88472.D	AC57099-010(	Aqueous	02/28/11 15:04	1		103	103	94	93		
3M88074.D	MBS6079	Aqueous	02/22/11 12:17	1		104	103	97	97		
3M88077.D	AC57097-010(	Aqueous	02/22/11 13:07	1		108	106	92	96		
3M88102.D	AC57097-010(	Aqueous	02/22/11 20:38	1		96	101	93	99		
3M88103.D	AC57097-010(	Aqueous	02/22/11 20:55	1		100	106	91	96		
3M88451.D	MBS6242	Aqueous	02/28/11 09:04	1		99	99	100	94		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3M88073.D	DAILY BLANK	Aqueous	02/22/11 12:01	1		107	106	94	94		
3M88291.D	DAILY BLANK	Aqueous	02/25/11 08:51	1		109	110	92	96		
3M88324.D	EF-3-V-1014#	Aqueous	02/25/11 18:12	1		102	104	93	89		
3M88319.D	AC57099-015(	Aqueous	02/25/11 16:49	1		97	104	94	92		
3M88074.D	MBS6079	Aqueous	02/22/11 12:17	1		104	103	97	97		
3M88077.D	AC57097-010(	Aqueous	02/22/11 13:07	1		108	106	92	96		
3M88102.D	AC57097-010(	Aqueous	02/22/11 20:38	1		96	101	93	99		
3M88103.D	AC57097-010(	Aqueous	02/22/11 20:55	1		100	106	91	96		
3M88293.D	MBS6133	Aqueous	02/25/11 09:25	1		101	103	99	92		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2M63645.D	DAILY BLANK	Aqueous	03/02/11 15:12	1		96	95	92	96		
2M63687.D	DAILY BLANK	Aqueous	03/03/11 09:21	1		102	94	93	96		
2M63713.D	EF-3-V-1014(	Aqueous	03/03/11 16:35	1		105	100	95	101		
2M63708.D	AC57099-020(	Aqueous	03/03/11 15:16	1		99	97	91	95		
2M63647.D	MBS6293	Aqueous	03/02/11 15:44	1		101	103	96	96		
2M63656.D	AC57471-001(	Aqueous	03/02/11 18:07	1		103	106	94	94		
2M63689.D	MBS6307	Aqueous	03/03/11 09:53	1		101	97	96	99		
2M63706.D	AC57471-001(	Aqueous	03/03/11 14:44	1		103	97	95	92		
2M63707.D	AC57471-001(	Aqueous	03/03/11 15:00	1		102	96	100	94		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

Form3
Recovery Data
QC Batch: MBS6006

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65422.D	MBS6006	2/11/2011 11:44:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.7	0	20	74	21	137
1,1-Dichloroethene	1	13.94	0	20	70	21	133
1,1-Dichloroethane	1	16.27	0	20	81	44	134
Chloroform	1	17.42	0	20	87	40	148
1,2-Dichloroethane	1	19.37	0	20	97	43	144
2-Butanone	1	19.9	0	20	100	25	157
Carbon Tetrachloride	1	15.28	0	20	76	42	146
Trichloroethene	1	16.41	0	20	82	46	127
Benzene	1	18.35	0	20	92	49	135
Tetrachloroethene	1	13.55	0	20	68	42	138
Toluene	1	15.59	0	20	78	53	129
Chlorobenzene	1	15.36	0	20	77	51	129
1,4-Dichlorobenzene	1	15.22	0	20	76	45	128
1,2-Dichlorobenzene	1	15.53	0	20	78	50	126
n-Propylbenzene	1	16.31	0	20	82	45	135
sec-Butylbenzene	1	16.1	0	20	80	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6024

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65527.D	MBS6024	2/15/2011 3:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	23.19	0	20	116	21	137
1,1-Dichloroethene	1	15.34	0	20	77	21	133
1,1-Dichloroethane	1	23.44	0	20	117	44	134
Chloroform	1	24.81	0	20	124	40	148
1,2-Dichloroethane	1	26.36	0	20	132	43	144
2-Butanone	1	27.17	0	20	136	25	157
Carbon Tetrachloride	1	26.91	0	20	135	42	146
Trichloroethene	1	24.34	0	20	122	46	127
Benzene	1	25.4	0	20	127	49	135
Tetrachloroethene	1	22.75	0	20	114	42	138
Toluene	1	22.16	0	20	111	53	129
Chlorobenzene	1	21.75	0	20	109	51	129
1,4-Dichlorobenzene	1	19.66	0	20	98	45	128
1,2-Dichlorobenzene	1	19.53	0	20	98	50	126
n-Propylbenzene	1	20.16	0	20	101	45	135
sec-Butylbenzene	1	19.7	0	20	98	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6024

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65527.D	MBS6024	2/15/2011 3:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	23.19	0	20	116	21	137
1,1-Dichloroethene	1	15.34	0	20	77	21	133
1,1-Dichloroethane	1	23.44	0	20	117	44	134
Chloroform	1	24.81	0	20	124	40	148
1,2-Dichloroethane	1	26.36	0	20	132	43	144
2-Butanone	1	27.17	0	20	136	25	157
Carbon Tetrachloride	1	26.91	0	20	135	42	146
Trichloroethene	1	24.34	0	20	122	46	127
Benzene	1	25.4	0	20	127	49	135
Tetrachloroethene	1	22.75	0	20	114	42	138
Toluene	1	22.16	0	20	111	53	129
Chlorobenzene	1	21.75	0	20	109	51	129
1,4-Dichlorobenzene	1	19.66	0	20	98	45	128
1,2-Dichlorobenzene	1	19.53	0	20	98	50	126
n-Propylbenzene	1	20.16	0	20	101	45	135
sec-Butylbenzene	1	19.7	0	20	98	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6133

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88293.D	MBS6133	2/25/2011 9:25:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.31	0	20	62	21	137
1,1-Dichloroethene	1	23.38	0	20	117	21	133
1,1-Dichloroethane	1	21.35	0	20	107	44	134
Chloroform	1	21.04	0	20	105	40	148
1,2-Dichloroethane	1	22.85	0	20	114	43	144
2-Butanone	1	19.44	0	20	97	25	157
Carbon Tetrachloride	1	19.12	0	20	96	42	146
Trichloroethene	1	21.27	0	20	106	46	127
Benzene	1	22.44	0	20	112	49	135
Tetrachloroethene	1	19.63	0	20	98	42	138
Toluene	1	21.1	0	20	106	53	129
Chlorobenzene	1	21.11	0	20	106	51	129
1,4-Dichlorobenzene	1	19.96	0	20	100	45	128
1,2-Dichlorobenzene	1	20.27	0	20	101	50	126
n-Propylbenzene	1	18.32	0	20	92	45	135
sec-Butylbenzene	1	16.27	0	20	81	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6242

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88451.D	MBS6242	2/28/2011 9:04:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.18	0	20	76	21	137
1,1-Dichloroethene	1	15.09	0	20	75	21	133
1,1-Dichloroethane	1	15.23	0	20	76	44	134
Chloroform	1	17.42	0	20	87	40	148
1,2-Dichloroethane	1	16.94	0	20	85	43	144
2-Butanone	1	12.61	0	20	63	25	157
Carbon Tetrachloride	1	17.62	0	20	88	42	146
Trichloroethene	1	19.36	0	20	97	46	127
Benzene	1	18.28	0	20	91	49	135
Tetrachloroethene	1	21.33	0	20	107	42	138
Toluene	1	18.36	0	20	92	53	129
Chlorobenzene	1	19.56	0	20	98	51	129
1,4-Dichlorobenzene	1	19.84	0	20	99	45	128
1,2-Dichlorobenzene	1	19.35	0	20	97	50	126
n-Propylbenzene	1	19.08	0	20	95	45	135
sec-Butylbenzene	1	17.01	0	20	85	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6293

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63647.D	MBS6293	3/2/2011 3:44:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.42	0	20	72	21	137
1,1-Dichloroethene	1	16.12	0	20	81	21	133
1,1-Dichloroethane	1	18.19	0	20	91	44	134
Chloroform	1	18.09	0	20	90	40	148
1,2-Dichloroethane	1	17.42	0	20	87	43	144
2-Butanone	1	22.35	0	20	112	25	157
Carbon Tetrachloride	1	20.08	0	20	100	42	146
Trichloroethene	1	17.41	0	20	87	46	127
Benzene	1	18.42	0	20	92	49	135
Tetrachloroethene	1	17.53	0	20	88	42	138
Toluene	1	17.98	0	20	90	53	129
Chlorobenzene	1	16.93	0	20	85	51	129
1,4-Dichlorobenzene	1	17.89	0	20	89	45	128
1,2-Dichlorobenzene	1	17.77	0	20	89	50	126
n-Propylbenzene	1	20.39	0	20	102	45	135
sec-Butylbenzene	1	21.42	0	20	107	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65643.D	MBS6063	2/18/2011 5:33:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.39	0	20	82	21	137
1,1-Dichloroethene	1	11.71	0	20	59	21	133
1,1-Dichloroethane	1	15.32	0	20	77	44	134
Chloroform	1	16.23	0	20	81	40	148
1,2-Dichloroethane	1	16.54	0	20	83	43	144
2-Butanone	1	12.67	0	20	63	25	157
Carbon Tetrachloride	1	17.68	0	20	88	42	146
Trichloroethene	1	16.61	0	20	83	46	127
Benzene	1	16.5	0	20	82	49	135
Tetrachloroethene	1	17.45	0	20	87	42	138
Toluene	1	15.67	0	20	78	53	129
Chlorobenzene	1	15.89	0	20	79	51	129
1,4-Dichlorobenzene	1	15.78	0	20	79	45	128
1,2-Dichlorobenzene	1	15.54	0	20	78	50	126
n-Propylbenzene	1	16.68	0	20	83	45	135
sec-Butylbenzene	1	15.52	0	20	78	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.19	0	20	101	21	137
1,1-Dichloroethene	1	13.69	0	20	68	21	133
1,1-Dichloroethane	1	18.17	0	20	91	44	134
Chloroform	1	19.93	0	20	100	40	148
1,2-Dichloroethane	1	19.48	0	20	97	43	144
2-Butanone	1	16.64	0	20	83	25	157
Carbon Tetrachloride	1	21.66	0	20	108	42	146
Trichloroethene	1	19.55	0	20	98	46	127
Benzene	1	19.7	0	20	98	49	135
Tetrachloroethene	1	21	0	20	105	42	138
Toluene	1	19.88	0	20	99	53	129
Chlorobenzene	1	19.2	0	20	96	51	129
1,4-Dichlorobenzene	1	18.13	0	20	91	45	128
1,2-Dichlorobenzene	1	18.42	0	20	92	50	126
n-Propylbenzene	1	20.07	0	20	100	45	135
sec-Butylbenzene	1	18.99	0	20	95	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.79	0	20	94	21	137
1,1-Dichloroethene	1	16.73	0	20	84	21	133
1,1-Dichloroethane	1	17.47	0	20	87	44	134
Chloroform	1	18.75	0	20	94	40	148
1,2-Dichloroethane	1	18.94	0	20	95	43	144
2-Butanone	1	14.85	0	20	74	25	157
Carbon Tetrachloride	1	20.31	0	20	102	42	146
Trichloroethene	1	18.57	0	20	93	46	127
Benzene	1	19.33	0	20	97	49	135
Tetrachloroethene	1	19.28	0	20	96	42	138
Toluene	1	18.7	0	20	94	53	129
Chlorobenzene	1	18.41	0	20	92	51	129
1,4-Dichlorobenzene	1	18.43	0	20	92	45	128
1,2-Dichlorobenzene	1	18.18	0	20	91	50	126
n-Propylbenzene	1	19.83	0	20	99	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Duplicate(If applicable):	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.79	20.19	7.2	30
1,1-Dichloroethene	1	16.73	13.69	20	34
1,1-Dichloroethane	1	17.47	18.17	3.9	30
Chloroform	1	18.75	19.93	6.1	37
1,2-Dichloroethane	1	18.94	19.48	2.8	34
2-Butanone	1	14.85	16.64	11	47
Carbon Tetrachloride	1	20.31	21.66	6.4	32
Trichloroethene	1	18.57	19.55	5.1	30
Benzene	1	19.33	19.7	1.9	29
Tetrachloroethene	1	19.28	21	8.5	27
Toluene	1	18.7	19.88	6.1	33
Chlorobenzene	1	18.41	19.2	4.2	30
1,4-Dichlorobenzene	1	18.43	18.13	1.6	30
1,2-Dichlorobenzene	1	18.18	18.42	1.3	34
n-Propylbenzene	1	19.83	20.07	1.2	32
sec-Butylbenzene	1	18.47	18.99	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88074.D	MBS6079	2/22/2011 12:17:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.66	0	20	78	21	137
1,1-Dichloroethene	1	20.41	0	20	102	21	133
1,1-Dichloroethane	1	19.15	0	20	96	44	134
Chloroform	1	19.53	0	20	98	40	148
1,2-Dichloroethane	1	20.53	0	20	103	43	144
2-Butanone	1	16.24	0	20	81	25	157
Carbon Tetrachloride	1	21.08	0	20	105	42	146
Trichloroethene	1	19.92	0	20	100	46	127
Benzene	1	20.4	0	20	102	49	135
Tetrachloroethene	1	19.93	0	20	100	42	138
Toluene	1	19.32	0	20	97	53	129
Chlorobenzene	1	19.79	0	20	99	51	129
1,4-Dichlorobenzene	1	18.71	0	20	94	45	128
1,2-Dichlorobenzene	1	18.19	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	17.42	0	20	87	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.9	0	20	79	21	137
1,1-Dichloroethene	1	19.84	0	20	99	21	133
1,1-Dichloroethane	1	18.48	0	20	92	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	19.11	0	20	96	43	144
2-Butanone	1	20.25	0	20	101	25	157
Carbon Tetrachloride	1	18.58	0	20	93	42	146
Trichloroethene	1	19.01	0	20	95	46	127
Benzene	1	20.5	0	20	102	49	135
Tetrachloroethene	1	17.39	0	20	87	42	138
Toluene	1	18.81	0	20	94	53	129
Chlorobenzene	1	18.38	0	20	92	51	129
1,4-Dichlorobenzene	1	17.57	0	20	88	45	128
1,2-Dichlorobenzene	1	17.98	0	20	90	50	126
n-Propylbenzene	1	20.21	0	20	101	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.78	0	20	79	21	137
1,1-Dichloroethene	1	19.26	0	20	96	21	133
1,1-Dichloroethane	1	18.62	0	20	93	44	134
Chloroform	1	18.71	0	20	94	40	148
1,2-Dichloroethane	1	19.52	0	20	98	43	144
2-Butanone	1	16.45	0	20	82	25	157
Carbon Tetrachloride	1	19.6	0	20	98	42	146
Trichloroethene	1	18.78	0	20	94	46	127
Benzene	1	19.8	0	20	99	49	135
Tetrachloroethene	1	16.96	0	20	85	42	138
Toluene	1	17.96	0	20	90	53	129
Chlorobenzene	1	17.71	0	20	89	51	129
1,4-Dichlorobenzene	1	17.81	0	20	89	45	128
1,2-Dichlorobenzene	1	17.69	0	20	88	50	126
n-Propylbenzene	1	19.92	0	20	100	45	135
sec-Butylbenzene	1	17.96	0	20	90	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Duplicate(If applicable):	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	15.78	15.9	0.76	30
1,1-Dichloroethene	1	19.26	19.84	3	34
1,1-Dichloroethane	1	18.62	18.48	0.75	30
Chloroform	1	18.71	18.17	2.9	37
1,2-Dichloroethane	1	19.52	19.11	2.1	34
2-Butanone	1	16.45	20.25	21	47
Carbon Tetrachloride	1	19.6	18.58	5.3	32
Trichloroethene	1	18.78	19.01	1.2	30
Benzene	1	19.8	20.5	3.5	29
Tetrachloroethene	1	16.96	17.39	2.5	27
Toluene	1	17.96	18.81	4.6	33
Chlorobenzene	1	17.71	18.38	3.7	30
1,4-Dichlorobenzene	1	17.81	17.57	1.4	30
1,2-Dichlorobenzene	1	17.69	17.98	1.6	34
n-Propylbenzene	1	19.92	20.21	1.4	32
sec-Butylbenzene	1	17.96	18.47	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63689.D	MBS6307	3/3/2011 9:53:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.24	0	20	66	21	137
1,1-Dichloroethene	1	14.74	0	20	74	21	133
1,1-Dichloroethane	1	16.2	0	20	81	44	134
Chloroform	1	15.78	0	20	79	40	148
1,2-Dichloroethane	1	14.9	0	20	74	43	144
2-Butanone	1	14.68	0	20	73	25	157
Carbon Tetrachloride	1	19.98	0	20	100	42	146
Trichloroethene	1	17.15	0	20	86	46	127
Benzene	1	16.45	0	20	82	49	135
Tetrachloroethene	1	18.78	0	20	94	42	138
Toluene	1	16.22	0	20	81	53	129
Chlorobenzene	1	16.74	0	20	84	51	129
1,4-Dichlorobenzene	1	16.32	0	20	82	45	128
1,2-Dichlorobenzene	1	16.67	0	20	83	50	126
n-Propylbenzene	1	17.56	0	20	88	45	135
sec-Butylbenzene	1	18.27	0	20	91	43	123

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.77	0	20	89	21	137
1,1-Dichloroethene	1	16.44	0	20	82	21	133
1,1-Dichloroethane	1	17.33	0	20	87	44	134
Chloroform	1	17.1	0	20	86	40	148
1,2-Dichloroethane	1	16.46	0	20	82	43	144
2-Butanone	1	18.42	0	20	92	25	157
Carbon Tetrachloride	1	19.9	0	20	100	42	146
Trichloroethene	1	17.07	0	20	85	46	127
Benzene	1	17.31	0	20	87	49	135
Tetrachloroethene	1	17.34	0	20	87	42	138
Toluene	1	17.36	0	20	87	53	129
Chlorobenzene	1	16.99	0	20	85	51	129
1,4-Dichlorobenzene	1	17.42	0	20	87	45	128
1,2-Dichlorobenzene	1	17.73	0	20	89	50	126
n-Propylbenzene	1	19.44	0	20	97	45	135
sec-Butylbenzene	1	19.33	0	20	97	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.41	0	20	92	21	137
1,1-Dichloroethene	1	17.15	0	20	86	21	133
1,1-Dichloroethane	1	17.75	0	20	89	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	16.07	0	20	80	43	144
2-Butanone	1	21.06	0	20	105	25	157
Carbon Tetrachloride	1	20.65	0	20	103	42	146
Trichloroethene	1	18.21	0	20	91	46	127
Benzene	1	17.64	0	20	88	49	135
Tetrachloroethene	1	18.36	0	20	92	42	138
Toluene	1	17.67	0	20	88	53	129
Chlorobenzene	1	17.61	0	20	88	51	129
1,4-Dichlorobenzene	1	17.68	0	20	88	45	128
1,2-Dichlorobenzene	1	18.13	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	19.85	0	20	99	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Duplicate(If applicable):	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.41	17.77	3.5	30
1,1-Dichloroethene	1	17.15	16.44	4.2	34
1,1-Dichloroethane	1	17.75	17.33	2.4	30
Chloroform	1	18.17	17.1	6.1	37
1,2-Dichloroethane	1	16.07	16.46	2.4	34
2-Butanone	1	21.06	18.42	13	47
Carbon Tetrachloride	1	20.65	19.9	3.7	32
Trichloroethene	1	18.21	17.07	6.5	30
Benzene	1	17.64	17.31	1.9	29
Tetrachloroethene	1	18.36	17.34	5.7	27
Toluene	1	17.67	17.36	1.8	33
Chlorobenzene	1	17.61	16.99	3.6	30
1,4-Dichlorobenzene	1	17.68	17.42	1.5	30
1,2-Dichlorobenzene	1	18.13	17.73	2.2	34
n-Propylbenzene	1	19.17	19.44	1.4	32
sec-Butylbenzene	1	19.85	19.33	2.7	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65420.D
Matrix: Aqueous

Blank Analysis Date: 02/11/11 11:11
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57099-001(T)	6M65447.D	02/11/11 18:44
EF-3-1014(2/11/11)	6M65448.D	02/11/11 19:00
MBS6006	6M65422.D	02/11/11 11:44

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65525.D
Matrix: Aqueous

Blank Analysis Date: 02/15/11 14:36
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS6024	6M65527.D	02/15/11 15:18
AC57097-005(T)	6M65546.D	02/15/11 20:29

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65525.D
Matrix: Aqueous

Blank Analysis Date: 02/15/11 14:36
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57099-005(T)	6M65543.D	02/15/11 19:40
EF-3-1014(2/15/11)	6M65544.D	02/15/11 19:56
MBS6024	6M65527.D	02/15/11 15:18
AC57097-005(T)	6M65546.D	02/15/11 20:29

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M65641.D
Matrix: Aqueous

Blank Analysis Date: 02/18/11 17:00
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-005(T:M	6M65650.D	02/18/11 19:30
AC57097-005(T:M	6M65649.D	02/18/11 19:13
MBS6063	6M65643.D	02/18/11 17:33

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88073.D
Matrix: Aqueous

Blank Analysis Date: 02/22/11 12:01
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57099-010(T)	3M88080.D	02/22/11 13:57
EF-3-V-1014#10(0	3M88085.D	02/22/11 15:20
AC57097-010(T:M	3M88103.D	02/22/11 20:55
AC57097-010(T:M	3M88102.D	02/22/11 20:38
AC57097-010(T)	3M88077.D	02/22/11 13:07
MBS6079	3M88074.D	02/22/11 12:17

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88449.D
Matrix: Aqueous

Blank Analysis Date: 02/28/11 08:31
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57099-010(5X)	3M88472.D	02/28/11 15:04
MBS6242	3M88451.D	02/28/11 09:04

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88073.D
Matrix: Aqueous

Blank Analysis Date: 02/22/11 12:01
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57097-010(T:M	3M88103.D	02/22/11 20:55
AC57097-010(T:M	3M88102.D	02/22/11 20:38
AC57097-010(T)	3M88077.D	02/22/11 13:07
MBS6079	3M88074.D	02/22/11 12:17

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 3M88291.D
Matrix: Aqueous

Blank Analysis Date: 02/25/11 08:51
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57099-015(T)	3M88319.D	02/25/11 16:49
EF-3-V-1014#15(0	3M88324.D	02/25/11 18:12
MBS6133	3M88293.D	02/25/11 09:25

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M63645.D
Matrix: Aqueous

Blank Analysis Date: 03/02/11 15:12
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS6293	2M63647.D	03/02/11 15:44
AC57471-001(T)	2M63656.D	03/02/11 18:07

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M63687.D
Matrix: Aqueous

Blank Analysis Date: 03/03/11 09:21
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC57099-020(T)	2M63708.D	03/03/11 15:16
EF-3-V-1014(0302	2M63713.D	03/03/11 16:35
AC57471-001(T:M	2M63707.D	03/03/11 15:00
AC57471-001(T:M	2M63706.D	03/03/11 14:44
MBS6307	2M63689.D	03/03/11 09:53

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65279.D
Analysis Date: 02/02/11 09:25
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.113 to 4.143 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.8	64744	PASS
75	95	30	60	53.5	129274	PASS
95	95	100	100	100.0	241702	PASS
96	95	5	9	6.1	14813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	186886	PASS
175	174	5	9	7.1	13177	PASS
176	174	95	101	97.9	183028	PASS
177	176	5	9	6.3	11451	PASS

Data File	Sample Number	Analysis Date:
6M65280.D	BLK	02/02/11 09:36
6M65281.D	CAL @ 1 PPB	02/02/11 09:52
6M65282.D	CAL @ 0.5 PPB	02/02/11 10:09
6M65283.D	CAL @ 5 PPB	02/02/11 10:25
6M65284.D	CAL @ 500 PPB	02/02/11 10:48
6M65285.D	CAL @ 250 PPB	02/02/11 11:06
6M65286.D	CAL @ 100 PPB	02/02/11 11:22
6M65287.D	CAL @ 50 PPB	02/02/11 11:40
6M65288.D	CAL @ 20 PPB	02/02/11 11:56
6M65289.D	CAL @ 10 PPB	02/02/11 12:13
6M65290.D	BLK	02/02/11 12:29
6M65291.D	20 PPB	02/02/11 12:46
6M65292.D	20 PPB	02/02/11 13:02
6M65293.D	ICV	02/02/11 13:30
6M65294.D	BLK	02/02/11 13:46
6M65295.D	DAILY BLANK	02/02/11 14:05
6M65296.D	DAILY BLANK	02/02/11 14:21
6M65297.D	MBS5772	02/02/11 14:37
6M65298.D	MBS5774	02/02/11 14:54
6M65299.D	BLK	02/02/11 15:10
6M65300.D	20ppb(1/31)	02/02/11 15:26
6M65301.D	20ppb(2/1)	02/02/11 15:45
6M65302.D	20ppb(2/1)	02/02/11 16:01
6M65303.D	AC57073-002	02/02/11 16:22
6M65304.D	AC57073-005	02/02/11 16:38
6M65305.D	BLK	02/02/11 16:55
6M65306.D	AC57073-009	02/02/11 17:11
6M65307.D	AC57073-008	02/02/11 17:27
6M65308.D	AC57073-007	02/02/11 17:44
6M65309.D	BLK	02/03/11 07:01

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M87517.D
Analysis Date: 02/09/11 09:13
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.437 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.3	2470	PASS
75	95	30	60	44.4	5393	PASS
95	95	100	100	100.0	12141	PASS
96	95	5	9	5.8	708	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	10227	PASS
175	174	5	9	6.1	621	PASS
176	174	95	101	97.0	9919	PASS
177	176	5	9	5.4	537	PASS

Data File	Sample Number	Analysis Date:
3M87518.D	BLK	02/09/11 09:23
3M87519.D	CAL @ 1 PPB	02/09/11 09:40
3M87520.D	CAL @ 0.5 PPB	02/09/11 09:59
3M87521.D	CAL @ 5 PPB	02/09/11 10:18
3M87522.D	CAL @ 500 PPB	02/09/11 10:35
3M87523.D	CAL @ 250 PPB	02/09/11 10:52
3M87524.D	CAL @ 100 PPB	02/09/11 11:08
3M87525.D	CAL @ 50 PPB	02/09/11 11:25
3M87526.D	CAL @ 20 PPB	02/09/11 11:41
3M87527.D	CAL @ 10 PPB	02/09/11 11:58
3M87528.D	BLK	02/09/11 12:15
3M87529.D	ICV	02/09/11 12:31
3M87530.D	20 PPB	02/09/11 12:48
3M87531.D	DAILY BLANK	02/09/11 13:04
3M87532.D	DAILY BLANK	02/09/11 13:21
3M87533.D	1 PPB	02/09/11 13:38
3M87534.D	MBS5983	02/09/11 13:54
3M87535.D	BLK	02/09/11 14:11
3M87536.D	BLK	02/09/11 14:27
3M87537.D	MBS5993	02/09/11 14:44
3M87538.D	57040-001	02/09/11 15:01
3M87539.D	20 PPB	02/09/11 15:17
3M87540.D	AC57040-001(50X)	02/09/11 15:37
3M87541.D	AC57040-002(50X)	02/09/11 15:58
3M87542.D	AC57040-003(50X)	02/09/11 16:20
3M87543.D	20 PPB	02/09/11 16:40
3M87544.D	MBS5988	02/09/11 16:57
3M87545.D	57180-001	02/09/11 17:14
3M87546.D	57180-004	02/09/11 17:30
3M87547.D	BLK	02/09/11 17:47
3M87548.D	AC57171-011	02/09/11 18:04
3M87549.D	AC57171-012	02/09/11 18:20
3M87550.D	AC57171-013	02/09/11 18:37
3M87551.D	AC57182-004	02/09/11 18:54
3M87552.D	AC57171-001	02/09/11 19:10
3M87553.D	AC57171-002	02/09/11 19:26
3M87554.D	AC57171-003	02/09/11 19:43
3M87555.D	AC57171-004	02/09/11 19:59
3M87556.D	AC57171-005	02/09/11 20:16
3M87557.D	AC57080-001(MS)	02/09/11 20:33
3M87558.D	AC57080-001(MSD	02/09/11 20:49
3M87559.D	BLK	02/09/11 21:06
3M87560.D	AC57171-007	02/09/11 21:22
3M87561.D	AC57171-008	02/09/11 21:38
3M87562.D	AC57171-009	02/09/11 21:55
3M87563.D	AC57171-010	02/09/11 22:11
3M87564.D	AC57171-014	02/09/11 22:27
3M87565.D	BLK	02/09/11 22:44
3M87566.D	AC57182-001	02/09/11 23:00
3M87567.D	AC57182-002(50X)	02/09/11 23:19
3M87568.D	AC57182-003(50X)	02/09/11 23:41
3M87569.D	AC57171-006(50X)	02/10/11 00:02
3M87570.D	MBS5989	02/10/11 00:21
3M87571.D	BLK	02/10/11 00:37
3M87572.D	BLK	02/10/11 00:53
3M87573.D	BLK	02/10/11 01:10
3M87574.D	BLK	02/10/11 01:27
3M87575.D	BLK	02/10/11 01:43
3M87576.D	BLK	02/10/11 01:59
3M87577.D	BLK	02/10/11 02:16
3M87578.D	BLK	02/10/11 02:32

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M65415.D
Analysis Date: 02/11/11 09:41
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.4	42672	PASS
75	95	30	60	54.8	79528	PASS
95	95	100	100	100.0	145024	PASS
96	95	5	9	6.3	9204	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.4	97776	PASS
175	174	5	9	6.8	6640	PASS
176	174	95	101	96.0	93912	PASS
177	176	5	9	6.7	6292	PASS

Data File	Sample Number	Analysis Date:
6M65416.D	20 PPB	02/11/11 09:57
6M65417.D	CAL @ 20 PPB	02/11/11 10:15
6M65418.D	BLKHCL	02/11/11 10:38
6M65419.D	DAILY BLANK	02/11/11 10:55
6M65420.D	DAILY BLANK	02/11/11 11:11
6M65421.D	MBS6005	02/11/11 11:28
6M65422.D	MBS6006	02/11/11 11:44
6M65423.D	BLKJUG2	02/11/11 12:02
6M65424.D	AC57228-004	02/11/11 12:18
6M65425.D	AC57228-005	02/11/11 12:35
6M65426.D	AC57229-001	02/11/11 12:51
6M65427.D	AC57229-002	02/11/11 13:07
6M65428.D	AC57232-003	02/11/11 13:24
6M65429.D	AC57232-007	02/11/11 13:40
6M65430.D	AC57232-008	02/11/11 13:57
6M65431.D	AC57232-009	02/11/11 14:13
6M65432.D	AC57199-001	02/11/11 14:29
6M65433.D	BLK	02/11/11 14:46
6M65434.D	AC57205-019	02/11/11 15:02
6M65435.D	AC57205-020	02/11/11 15:19
6M65436.D	AC57205-021	02/11/11 15:35
6M65437.D	AC57205-022	02/11/11 15:51
6M65438.D	AC57224-003	02/11/11 16:14
6M65439.D	AC57224-004	02/11/11 16:30
6M65440.D	AC57205-023	02/11/11 16:47
6M65441.D	AC57205-024	02/11/11 17:03
6M65442.D	AC57205-025	02/11/11 17:19
6M65443.D	AC57205-026	02/11/11 17:36
6M65444.D	AC57205-016	02/11/11 17:52
6M65445.D	AC57205-015	02/11/11 18:11
6M65446.D	AC57097-001(T)	02/11/11 18:27
6M65447.D	AC57099-001(T)	02/11/11 18:44
6M65448.D	EF-3-1014(2/11/11)	02/11/11 19:00
6M65449.D	AC57199-002	02/11/11 19:16
6M65450.D	AC57216-001	02/11/11 19:33
6M65451.D	AC57229-001(80uL	02/11/11 19:49
6M65452.D	AC57232-001	02/11/11 20:05
6M65453.D	AC57232-002(400u	02/11/11 20:22
6M65454.D	EF-1-V-107674(021	02/11/11 20:38
6M65455.D	57224-007(80uL)	02/11/11 20:54
6M65456.D	57224-008	02/11/11 21:11
6M65457.D	BLK	02/11/11 21:27
6M65458.D	BLK	02/11/11 21:43

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65519.D
Analysis Date: 02/15/11 12:42
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.3	70216	PASS
75	95	30	60	50.9	135680	PASS
95	95	100	100	100.0	266688	PASS
96	95	5	9	6.0	16059	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.6	191040	PASS
175	174	5	9	7.2	13785	PASS
176	174	95	101	97.5	186176	PASS
177	176	5	9	6.3	11805	PASS

Data File	Sample Number	Analysis Date:
6M65520.D	BLK	02/15/11 12:58
6M65521.D	20 PPB	02/15/11 13:16
6M65522.D	CAL @ 20 PPB	02/15/11 13:38
6M65523.D	BLK	02/15/11 13:55
6M65524.D	DAILY BLANK	02/15/11 14:19
6M65525.D	DAILY BLANK	02/15/11 14:36
6M65526.D	MBS6023	02/15/11 14:56
6M65527.D	MBS6024	02/15/11 15:18
6M65528.D	MBS6025	02/15/11 15:34
6M65529.D	AC57241-001(MS)	02/15/11 15:50
6M65530.D	AC57241-001(MSD	02/15/11 16:07
6M65531.D	MBS6026	02/15/11 16:23
6M65532.D	AC57213-001	02/15/11 16:40
6M65533.D	AC57270-001	02/15/11 16:56
6M65534.D	AC57274-001	02/15/11 17:12
6M65535.D	AC57273-001	02/15/11 17:29
6M65536.D	AC57213-001(MS)	02/15/11 17:45
6M65537.D	AC57213-001(MSD	02/15/11 18:02
6M65538.D	BLK	02/15/11 18:18
6M65539.D	AC57213-003	02/15/11 18:34
6M65540.D	AC57213-002	02/15/11 18:51
6M65541.D	AC57099-004(T)	02/15/11 19:07
6M65542.D	AC57097-004(T)	02/15/11 19:23
6M65543.D	AC57099-005(T)	02/15/11 19:40
6M65544.D	EF-3-1014(2/15/11)	02/15/11 19:56
6M65545.D	EF-3-VO-SPLPMO	02/15/11 20:13
6M65546.D	AC57097-005(T)	02/15/11 20:29
6M65547.D	BLK	02/15/11 20:45
6M65548.D	BLK	02/15/11 21:02
6M65549.D	524INTTEST	02/15/11 21:18

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65639.D
Analysis Date: 02/18/11 16:32
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.116 to 4.116 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.4	37056	PASS
75	95	30	60	50.3	73352	PASS
95	95	100	100	100.0	145856	PASS
96	95	5	9	5.7	8325	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.8	106200	PASS
175	174	5	9	6.7	7152	PASS
176	174	95	101	97.1	103096	PASS
177	176	5	9	6.3	6501	PASS

Data File	Sample Number	Analysis Date:
6M65640.D	CAL @ 20 PPB	02/18/11 16:42
6M65641.D	DAILY BLANK	02/18/11 17:00
6M65642.D	DAILY BLANK	02/18/11 17:16
6M65643.D	MBS6063	02/18/11 17:33
6M65644.D	MBS6064	02/18/11 17:49
6M65645.D	AC57263-001(T)	02/18/11 18:05
6M65646.D	AC57198-002(T)	02/18/11 18:22
6M65647.D	AC57263-001(T)	02/18/11 18:40
6M65648.D	AC57198-002(T)	02/18/11 18:57
6M65649.D	AC57097-005(T:M	02/18/11 19:13
6M65650.D	AC57097-005(T:M	02/18/11 19:30
6M65651.D	EF-1-V-108537(021	02/18/11 19:46
6M65652.D	EF-3-V-1014(02171	02/18/11 20:02
6M65653.D	AC57294-001(40uL	02/18/11 20:19
6M65654.D	EF-3-V-1014(02161	02/18/11 20:35
6M65655.D	AC57298-005(80uL	02/18/11 20:52
6M65656.D	EF-3-V-1014(02181	02/18/11 21:08
6M65657.D	AC57099-006(T)	02/18/11 21:24
6M65658.D	AC57099-007(T)	02/18/11 21:41
6M65659.D	AC57099-008(T)	02/18/11 21:57
6M65660.D	BLK	02/18/11 22:14
6M65661.D	AC57312-002	02/18/11 22:30
6M65662.D	AC57312-003	02/18/11 22:46
6M65663.D	AC57312-004	02/18/11 23:03
6M65664.D	AC57312-005	02/18/11 23:19
6M65665.D	AC57312-006	02/18/11 23:35
6M65666.D	AC57312-007	02/18/11 23:52
6M65667.D	BLK	02/19/11 07:36
6M65668.D	AC57300-001	02/19/11 07:53
6M65669.D	AC57300-002	02/19/11 08:12
6M65670.D	AC57300-003	02/19/11 08:29
6M65671.D	AC57300-005	02/19/11 08:45
6M65672.D	AC57300-008	02/19/11 09:01
6M65673.D	BLK	02/19/11 09:18
6M65674.D	AC57332-001	02/19/11 09:34
6M65675.D	MBS6067	02/19/11 09:50
6M65676.D	BLK	02/19/11 10:07
6M65677.D	BLK	02/19/11 10:23
6M65678.D	BLK	02/19/11 10:39
6M65679.D	BLK	02/19/11 10:56

Form 5

Tune Name: BFB TUNE **Data File:** 3M88068.D
Instrument: GCMS 3 **Analysis Date:** 02/22/11 09:55
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.428 to 4.428 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.3	3190	PASS
75	95	30	60	44.2	6054	PASS
95	95	100	100	100.0	13711	PASS
96	95	5	9	6.8	926	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	10441	PASS
175	174	5	9	6.8	709	PASS
176	174	95	101	99.1	10349	PASS
177	176	5	9	6.7	693	PASS

Data File	Sample Number	Analysis Date:
3M88069.D	20 PPB	02/22/11 10:05
3M88070.D	CAL @ 20 PPB	02/22/11 10:25
3M88071.D	BLKJUG2	02/22/11 11:27
3M88072.D	STDTEST	02/22/11 11:05
3M88073.D	DAILY BLANK	02/22/11 12:01
3M88074.D	MBS6079	02/22/11 12:17
3M88075.D	MBS6080	02/22/11 12:34
3M88076.D	AC57097-009(T)	02/22/11 12:50
3M88077.D	AC57097-010(T)	02/22/11 13:07
3M88078.D	AC57097-011(T)	02/22/11 13:23
3M88079.D	AC57099-009(T)	02/22/11 13:40
3M88080.D	AC57099-010(T)	02/22/11 13:57
3M88081.D	AC57099-011(T)	02/22/11 14:13
3M88082.D	EF-3-V-1014#9(02	02/22/11 14:30
3M88083.D	DAILY BLANK	02/22/11 14:46
3M88084.D	MBS6081	02/22/11 15:03
3M88085.D	EF-3-V-1014#10(0	02/22/11 15:20
3M88086.D	AC57375-001	02/22/11 15:36
3M88087.D	AC57375-002	02/22/11 15:53
3M88088.D	AC57375-003	02/22/11 16:09
3M88089.D	AC57375-006	02/22/11 16:26
3M88090.D	AC57375-008	02/22/11 16:42
3M88091.D	AC57375-010	02/22/11 16:59
3M88092.D	AC57375-011	02/22/11 17:15
3M88093.D	EF-3-V-1014#11(0	02/22/11 17:32
3M88094.D	AC57372-001(80uL	02/22/11 17:51
3M88095.D	AC57375-012(80uL	02/22/11 18:14
3M88096.D	AC57375-005(80uL	02/22/11 18:36
3M88097.D	AC57375-007(80uL	02/22/11 18:58
3M88098.D	AC57375-009(80uL	02/22/11 19:19
3M88099.D	AC57375-004(80uL	02/22/11 19:41
3M88100.D	AC57375-013(80uL	02/22/11 20:02
3M88101.D	BLK	02/22/11 20:22
3M88102.D	AC57097-010(T:M	02/22/11 20:38
3M88103.D	AC57097-010(T:M	02/22/11 20:55
3M88104.D	BLK	02/22/11 21:11
3M88105.D	BLK	02/22/11 21:28
3M88106.D	BLK	02/22/11 21:44
3M88107.D	BLK	02/22/11 22:01
3M88108.D	BLK	02/22/11 22:17
3M88109.D	BLK	02/22/11 22:33
3M88110.D	BLK	02/22/11 22:50
3M88111.D	BLK	02/22/11 23:07

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63418.D
Analysis Date: 02/25/11 06:00
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.090 to 4.109 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.8	5717	PASS
75	95	30	60	49.4	11405	PASS
95	95	100	100	100.0	23071	PASS
96	95	5	9	7.3	1684	PASS
173	174	0.00	2	0.8	175	PASS
174	95	50	100	92.4	21314	PASS
175	174	5	9	7.7	1634	PASS
176	174	95	101	95.1	20265	PASS
177	176	5	9	8.0	1612	PASS

Data File	Sample Number	Analysis Date:
2M63419.D	BLK	02/25/11 06:16
2M63421.D	CAL @ 1 PPB	02/25/11 07:55
2M63422.D	CAL @ 0.5 PPB	02/25/11 08:13
2M63423.D	CAL @ 5 PPB	02/25/11 08:31
2M63424.D	CAL @ 500 PPB	02/25/11 08:47
2M63425.D	CAL @ 250 PPB	02/25/11 09:02
2M63426.D	CAL @ 100 PPB	02/25/11 09:18
2M63427.D	CAL @ 50 PPB	02/25/11 09:34
2M63428.D	CAL @ 20 PPB	02/25/11 09:50
2M63429.D	CAL @ 10 PPB	02/25/11 10:06
2M63430.D	ICV	02/25/11 10:22
2M63431.D	BLK	02/25/11 11:00
2M63432.D	DAILY BLANK	02/25/11 11:16
2M63433.D	DAILY BLANK	02/25/11 11:32
2M63434.D	MBS6137	02/25/11 11:48
2M63435.D	BLK	02/25/11 12:03
2M63436.D	MBS6218	02/25/11 12:19
2M63437.D	MBS6219	02/25/11 12:35
2M63438.D	MBS6220	02/25/11 12:51
2M63439.D	MBS6221	02/25/11 13:07
2M63440.D	MBS6222	02/25/11 13:22
2M63441.D	MBS6223	02/25/11 13:38
2M63442.D	MBS6224	02/25/11 13:54
2M63443.D	MBS6225	02/25/11 14:10
2M63444.D	BLK	02/25/11 14:26
2M63445.D	AC57458-001	02/25/11 14:42
2M63446.D	AC57458-002	02/25/11 14:57
2M63447.D	AC57458-003	02/25/11 15:13
2M63448.D	AC57458-004	02/25/11 15:29
2M63449.D	AC57458-005	02/25/11 15:45
2M63450.D	BLK	02/25/11 16:19
2M63451.D	AC57476-001	02/25/11 16:43
2M63452.D	AC57476-002	02/25/11 16:59
2M63453.D	AC57476-003	02/25/11 17:15
2M63454.D	AC57476-004	02/25/11 17:31
2M63455.D	AC57476-005	02/25/11 17:46
2M63456.D	AC57476-006	02/25/11 18:02
2M63457.D	AC57476-007	02/25/11 18:18
2M63458.D	AC57476-008	02/25/11 18:34
2M63459.D	BLK	02/25/11 18:49

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

Data File	Sample Number	Analysis Date:
3M88288.D	CAL @ 20 PPB	02/25/11 07:57
3M88289.D	BLKHCL	02/25/11 08:18
3M88290.D	DAILY BLANK	02/25/11 08:34
3M88291.D	DAILY BLANK	02/25/11 08:51
3M88292.D	MBS6131	02/25/11 09:08
3M88293.D	MBS6133	02/25/11 09:25
3M88294.D	MBS6135	02/25/11 09:41
3M88295.D	AC57379-006	02/25/11 09:58
3M88296.D	AC57431-001	02/25/11 10:14
3M88297.D	AC57426-001	02/25/11 10:31
3M88298.D	AC57426-002	02/25/11 10:47
3M88299.D	AC57426-003	02/25/11 11:04
3M88300.D	AC57431-001	02/25/11 11:21
3M88301.D	AC57426-004	02/25/11 11:37
3M88302.D	AC57426-005	02/25/11 11:54
3M88303.D	AC57426-006	02/25/11 12:11
3M88304.D	AC57426-007	02/25/11 12:27
3M88305.D	AC57426-008	02/25/11 12:44
3M88306.D	AC57441-001	02/25/11 13:01
3M88307.D	AC57441-002	02/25/11 13:18
3M88308.D	AC57441-003	02/25/11 13:34
3M88309.D	AC57441-004	02/25/11 13:51
3M88310.D	AC57441-005	02/25/11 14:08
3M88311.D	AC57441-007	02/25/11 14:25
3M88312.D	AC57441-008	02/25/11 14:42
3M88313.D	AC57441-010	02/25/11 14:58
3M88314.D	AC57441-006(80uL	02/25/11 15:17
3M88315.D	AC57441-009(80uL	02/25/11 15:40
3M88316.D	AC57379-006(MS)	02/25/11 15:59
3M88317.D	AC57379-006(MSD	02/25/11 16:16
3M88318.D	BLK	02/25/11 16:33
3M88319.D	AC57099-015(T)	02/25/11 16:49
3M88320.D	AC57097-015(T)	02/25/11 17:06
3M88321.D	AC57097-014(T)	02/25/11 17:23
3M88322.D	AC57099-014(T)	02/25/11 17:39
3M88323.D	EF-3-V-1014#14(0	02/25/11 17:56
3M88324.D	EF-3-V-1014#15(0	02/25/11 18:12
3M88325.D	AC57364-004	02/25/11 18:29
3M88326.D	AC57364-003	02/25/11 18:49
3M88327.D	AC57364-002	02/25/11 19:06
3M88328.D	AC57364-001	02/25/11 19:22
3M88329.D	AC57280-006(MS)	02/25/11 19:39
3M88330.D	AC57280-006(MSD	02/25/11 19:56
3M88331.D	BLK	02/25/11 20:13
3M88332.D	BLK	02/25/11 20:30
3M88333.D	BLK	02/25/11 20:46
3M88334.D	MBS6232	02/25/11 21:03
3M88335.D	BLK	02/25/11 21:20
3M88336.D	AC57414-006	02/25/11 21:37
3M88337.D	AC57414-007	02/25/11 21:53
3M88338.D	AC57434-002	02/25/11 22:09
3M88339.D	AC57422-021	02/25/11 22:26
3M88340.D	AC57422-005	02/25/11 22:42
3M88341.D	AC57422-007	02/25/11 22:59
3M88342.D	AC57422-009	02/25/11 23:16
3M88343.D	AC57422-011	02/25/11 23:32
3M88344.D	AC57422-017	02/25/11 23:49
3M88345.D	AC57422-019	02/26/11 00:06
3M88346.D	BLK	02/26/11 00:22
3M88347.D	AC57414-002	02/26/11 00:38
3M88348.D	AC57414-005	02/26/11 00:55
3M88349.D	AC57414-003	02/26/11 01:11
3M88350.D	AC57414-001	02/26/11 01:28
3M88351.D	AC57414-004	02/26/11 01:45
3M88352.D	MBS6233	02/26/11 02:02

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

3M88353.D	BLK	02/26/11 02:18
3M88354.D	AC57422-015	02/26/11 02:35
3M88355.D	AC57422-013	02/26/11 02:52
3M88356.D	AC57422-003	02/26/11 03:08
3M88357.D	AC57422-001(20X)	02/26/11 03:27
3M88358.D	BLK	02/26/11 03:46
3M88359.D	AC57434-001	02/26/11 04:03
3M88360.D	AC57280-007(MS)	02/26/11 04:19
3M88361.D	AC57280-007(MSD	02/26/11 04:36
3M88362.D	BLK	02/26/11 04:52
3M88363.D	BLK	02/26/11 05:09
3M88364.D	MBS6234	02/26/11 05:25
3M88365.D	BLK	02/26/11 05:42
3M88366.D	AC57437-008	02/26/11 05:58
3M88367.D	AC57443-001	02/26/11 06:15
3M88368.D	AC57443-002	02/26/11 06:31
3M88369.D	AC57443-005	02/26/11 06:48
3M88370.D	AC57443-004	02/26/11 07:05
3M88371.D	AC57443-003	02/26/11 07:21
3M88375.D	BLK	02/27/11 10:30
3M88376.D	BLK	02/27/11 12:01
3M88377.D	BLK	02/27/11 12:29
3M88378.D	BLK	02/27/11 12:44
3M88379.D	BLK	02/27/11 13:19

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88385.D
Analysis Date: 02/27/11 14:51
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.400 to 4.439 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.1	20444	PASS
75	95	30	60	47.0	47899	PASS
95	95	100	100	100.0	101874	PASS
96	95	5	9	7.2	7339	PASS
173	174	0.00	2	0.6	557	PASS
174	95	50	100	88.1	89771	PASS
175	174	5	9	8.0	7205	PASS
176	174	95	101	98.8	88670	PASS
177	176	5	9	6.6	5852	PASS

Data File	Sample Number	Analysis Date:
3M88387.D	CAL @ 1 PPB	02/27/11 15:21
3M88388.D	CAL @ 0.5 PPB	02/27/11 15:41
3M88389.D	CAL @ 5 PPB	02/27/11 16:00
3M88390.D	CAL @ 500 PPB	02/27/11 16:17
3M88391.D	CAL @ 250 PPB	02/27/11 16:34
3M88392.D	CAL @ 100 PPB	02/27/11 16:50
3M88393.D	CAL @ 50 PPB	02/27/11 17:07
3M88394.D	CAL @ 20 PPB	02/27/11 17:23
3M88395.D	CAL @ 10 PPB	02/27/11 17:40
3M88396.D	BLK	02/27/11 17:56
3M88397.D	20 PPB	02/27/11 18:13
3M88398.D	ICV	02/27/11 18:29
3M88399.D	BLK	02/27/11 18:46
3M88400.D	DAILY BLANK	02/27/11 19:03
3M88401.D	DAILY BLANK	02/27/11 19:20
3M88402.D	MDL@ 1 PPB	02/27/11 19:36
3M88403.D	MDL@ 1 PPB	02/27/11 19:53
3M88404.D	MDL@ 1 PPB	02/27/11 20:09
3M88405.D	MDL@ 1 PPB	02/27/11 20:26
3M88406.D	MDL@ 1 PPB	02/27/11 20:42
3M88407.D	MDL@ 1 PPB	02/27/11 20:59
3M88408.D	1 PPB	02/27/11 21:16
3M88409.D	MDL@ 1 PPB	02/27/11 21:32
3M88410.D	VER@ 1 PPB	02/27/11 21:49
3M88411.D	VER@ 0.5 PPB	02/27/11 22:08
3M88412.D	DAILY BLANK	02/27/11 22:27
3M88413.D	MBS6231	02/27/11 22:43
3M88414.D	AC57477-012	02/27/11 23:00
3M88415.D	AC57477-014	02/27/11 23:16
3M88416.D	AC57477-017	02/27/11 23:33
3M88417.D	57477-011	02/27/11 23:49
3M88418.D	57477-013	02/28/11 00:05
3M88419.D	57477-015	02/28/11 00:22
3M88420.D	57477-016	02/28/11 00:39
3M88421.D	57477-018	02/28/11 00:56
3M88422.D	57477-019	02/28/11 01:12
3M88423.D	57487-020	02/28/11 01:29
3M88424.D	57487-016	02/28/11 01:45
3M88425.D	57487-012	02/28/11 02:02
3M88426.D	57487-008	02/28/11 02:19
3M88427.D	57487-004	02/28/11 02:35
3M88428.D	57487-018	02/28/11 02:51
3M88429.D	57487-014	02/28/11 03:08
3M88430.D	57487-010	02/28/11 03:24
3M88431.D	57487-006	02/28/11 03:41
3M88432.D	57487-002	02/28/11 03:57
3M88433.D	BLK	02/28/11 04:13
3M88434.D	BLK	02/28/11 04:30
3M88435.D	BLK	02/28/11 04:46
3M88436.D	BLK	02/28/11 05:01
3M88437.D	BLK	02/28/11 05:16
3M88438.D	BLK	02/28/11 05:31
3M88439.D	BLK	02/28/11 05:46
3M88440.D	BLK	02/28/11 06:01
3M88441.D	BLK	02/28/11 06:16
3M88442.D	BLK	02/28/11 06:32

Form 5

Tune Name: BFB TUNE **Data File:** 3M88443.D
Instrument: GCMS 3 **Analysis Date:** 02/28/11 06:45
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.433 to 4.482 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.1	13385	PASS
75	95	30	60	46.0	29262	PASS
95	95	100	100	100.0	63560	PASS
96	95	5	9	6.5	4112	PASS
173	174	0.00	2	0.5	306	PASS
174	95	50	100	96.1	61055	PASS
175	174	5	9	8.2	5018	PASS
176	174	95	101	97.5	59517	PASS
177	176	5	9	6.4	3788	PASS

Data File	Sample Number	Analysis Date:
3M88444.D	BLK	02/28/11 06:55
3M88445.D	20 PPB	02/28/11 07:21
3M88446.D	CAL @ 20 PPB	02/28/11 07:40
3M88447.D	BLK	02/28/11 07:57
3M88448.D	DAILY BLANK	02/28/11 08:14
3M88449.D	DAILY BLANK	02/28/11 08:31
3M88450.D	MBS6241	02/28/11 08:47
3M88451.D	MBS6242	02/28/11 09:04
3M88452.D	BLK	02/28/11 09:21
3M88453.D	AC57454-001	02/28/11 09:37
3M88454.D	AC57454-002	02/28/11 09:54
3M88455.D	AC57454-003	02/28/11 10:10
3M88456.D	AC57454-004	02/28/11 10:27
3M88457.D	AC57454-005	02/28/11 10:43
3M88458.D	AC57426-004(80uL	02/28/11 11:06
3M88459.D	AC57426-007(80uL	02/28/11 11:23
3M88460.D	AC57426-005(40uL	02/28/11 11:40
3M88461.D	AC57426-006	02/28/11 11:57
3M88462.D	AC57441-008(40uL	02/28/11 12:13
3M88463.D	AC57441-002(80uL	02/28/11 12:30
3M88464.D	AC57441-003(80uL	02/28/11 12:47
3M88465.D	AC57441-009(20uL	02/28/11 13:04
3M88466.D	BLKHCL	02/28/11 13:20
3M88467.D	AC57426-003	02/28/11 13:37
3M88468.D	AC57475-001	02/28/11 13:54
3M88469.D	AC57475-002	02/28/11 14:10
3M88470.D	AC57475-003	02/28/11 14:27
3M88471.D	AC57475-004	02/28/11 14:44
3M88472.D	AC57099-010(5X)	02/28/11 15:04
3M88473.D	AC57475-005(5X)	02/28/11 15:26
3M88474.D	EF-3-V-1014(0226	02/28/11 15:45
3M88475.D	EF-3-V-1014(0227	02/28/11 16:02
3M88476.D	AC57475-006	02/28/11 16:18
3M88477.D	AC57475-007	02/28/11 16:35
3M88478.D	AC57099-016(T)	02/28/11 16:51
3M88479.D	AC57099-017(T)	02/28/11 17:08
3M88480.D	AC57099-018(T)	02/28/11 17:24
3M88481.D	AC57097-016(T)	02/28/11 17:40
3M88482.D	AC57097-017(T)	02/28/11 17:57
3M88483.D	AC57097-018(T)	02/28/11 18:13
3M88484.D	EF-3-V-1014(0228	02/28/11 18:30
3M88485.D	AC57422-009(MS)	02/28/11 18:46
3M88486.D	AC57422-009(MSD	02/28/11 19:03
3M88487.D	BLK	02/28/11 19:19
3M88488.D	BLK	02/28/11 19:36
3M88489.D	MBS6259	02/28/11 19:52
3M88490.D	MBS6260	02/28/11 20:08
3M88491.D	BLK	02/28/11 20:25
3M88492.D	AC57444-009	02/28/11 20:41
3M88493.D	AC57444-011	02/28/11 20:58
3M88494.D	AC57450-005	02/28/11 21:15
3M88495.D	AC57450-006	02/28/11 21:31
3M88496.D	AC57449-018	02/28/11 21:47
3M88497.D	AC57444-001	02/28/11 22:04
3M88498.D	AC57444-007	02/28/11 22:21
3M88499.D	AC57449-020	02/28/11 22:37
3M88500.D	AC57450-001	02/28/11 22:54
3M88501.D	AC57450-002	02/28/11 23:11
3M88502.D	AC57450-003	02/28/11 23:27
3M88503.D	AC57450-004	02/28/11 23:43
3M88504.D	AC57451-001	03/01/11 00:00
3M88505.D	AC57451-002	03/01/11 00:16
3M88506.D	AC57452-001	03/01/11 00:33
3M88507.D	AC57452-002	03/01/11 00:50
3M88508.D	AC57452-003	03/01/11 01:07

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88443.D
Analysis Date: 02/28/11 06:45
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.433 to 4.482 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.1	13385	PASS
75	95	30	60	46.0	29262	PASS
95	95	100	100	100.0	63560	PASS
96	95	5	9	6.5	4112	PASS
173	174	0.00	2	0.5	306	PASS
174	95	50	100	96.1	61055	PASS
175	174	5	9	8.2	5018	PASS
176	174	95	101	97.5	59517	PASS
177	176	5	9	6.4	3788	PASS

3M88509.D	AC57478-001	03/01/11 01:23
3M88510.D	AC57478-003	03/01/11 01:40
3M88511.D	AC57444-003(10X)	03/01/11 01:59
3M88512.D	MBS6261	03/01/11 02:18
3M88513.D	BLK	03/01/11 02:34
3M88514.D	BLK	03/01/11 02:51
3M88515.D	BLK	03/01/11 03:07
3M88516.D	BLK	03/01/11 03:23
3M88517.D	BLK	03/01/11 03:38
3M88518.D	BLK	03/01/11 03:53
3M88519.D	BLK	03/01/11 04:09
3M88520.D	BLK	03/01/11 04:24
3M88521.D	BLK	03/01/11 04:39
3M88522.D	BLK	03/01/11 04:55

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63640.D
Analysis Date: 03/02/11 13:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.980 to 4.019 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.3	1487	PASS
75	95	30	60	44.9	3861	PASS
95	95	100	100	100.0	8596	PASS
96	95	5	9	5.9	505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.2	8187	PASS
175	174	5	9	7.6	623	PASS
176	174	95	101	95.1	7788	PASS
177	176	5	9	5.4	420	PASS

Data File	Sample Number	Analysis Date:
2M63641.D	BLKJUG3	03/02/11 14:01
2M63642.D	CAL @ 20 PPB	03/02/11 14:16
2M63643.D	BLK	03/02/11 14:38
2M63644.D	DAILY BLANK	03/02/11 14:57
2M63645.D	DAILY BLANK	03/02/11 15:12
2M63646.D	MBS6292	03/02/11 15:28
2M63647.D	MBS6293	03/02/11 15:44
2M63648.D	BLK	03/02/11 16:00
2M63649.D	AC57462-001	03/02/11 16:16
2M63650.D	AC57466-005	03/02/11 16:32
2M63651.D	AC57466-006	03/02/11 16:47
2M63652.D	AC57466-009	03/02/11 17:03
2M63653.D	AC57466-008	03/02/11 17:19
2M63654.D	AC57466-007	03/02/11 17:35
2M63655.D	AC57442-001(T)	03/02/11 17:51
2M63656.D	AC57471-001(T)	03/02/11 18:07
2M63657.D	AC57462-001(MS)	03/02/11 18:23
2M63658.D	AC57462-001(MSD	03/02/11 18:38
2M63659.D	BLK	03/02/11 18:54
2M63660.D	AC57392-009	03/02/11 19:10
2M63661.D	AC57487-035	03/02/11 19:26
2M63662.D	AC57490-005	03/02/11 19:42
2M63663.D	AC57490-006	03/02/11 19:58
2M63664.D	BLK	03/02/11 20:13
2M63665.D	AC57531-003	03/02/11 20:29
2M63666.D	AC57531-004	03/02/11 20:45
2M63667.D	AC57531-005	03/02/11 21:01
2M63668.D	AC57531-006	03/02/11 21:16
2M63669.D	AC57531-007	03/02/11 21:32
2M63670.D	AC57531-009	03/02/11 21:48
2M63671.D	AC57531-010	03/02/11 22:04
2M63672.D	AC57531-011	03/02/11 22:19
2M63673.D	AC57487-022(40uL	03/02/11 22:35
2M63674.D	AC57487-024(40uL	03/02/11 22:51
2M63675.D	AC57487-026(40uL	03/02/11 23:07
2M63676.D	AC57487-028(40uL	03/02/11 23:22
2M63677.D	AC57487-030(40uL	03/03/11 06:58
2M63678.D	AC57487-034(40uL	03/03/11 07:14
2M63679.D	AC57487-032(40uL	03/03/11 07:30
2M63680.D	AC57512-001	03/03/11 07:46

Form 5

Tune Name: BFB TUNE **Data File:** 2M63682.D
Instrument: GCMS 2 **Analysis Date:** 03/03/11 08:08
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.040 to 4.050 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.0	1934	PASS
75	95	30	60	59.0	4959	PASS
95	95	100	100	100.0	8411	PASS
96	95	5	9	6.5	550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	5702	PASS
175	174	5	9	7.5	429	PASS
176	174	95	101	97.7	5571	PASS
177	176	5	9	6.3	351	PASS

Data File	Sample Number	Analysis Date:
2M63683.D	BLK	03/03/11 08:18
2M63684.D	CAL @ 20 PPB	03/03/11 08:28
2M63685.D	BLKHCL	03/03/11 08:49
2M63686.D	DAILY BLANK	03/03/11 09:05
2M63687.D	DAILY BLANK	03/03/11 09:21
2M63688.D	MBS6305	03/03/11 09:37
2M63689.D	MBS6307	03/03/11 09:53
2M63690.D	BLK	03/03/11 10:09
2M63691.D	AC57531-013	03/03/11 10:24
2M63692.D	AC57531-012	03/03/11 10:40
2M63693.D	AC57531-008	03/03/11 10:56
2M63694.D	AC57410-007	03/03/11 11:12
2M63695.D	AC57410-008	03/03/11 11:28
2M63696.D	AC57416-020	03/03/11 11:44
2M63697.D	AC57416-005	03/03/11 11:59
2M63698.D	AC57416-006	03/03/11 12:15
2M63699.D	AC57490-006	03/03/11 12:31
2M63700.D	AC57466-002	03/03/11 12:47
2M63701.D	AC57466-001(10X)	03/03/11 13:05
2M63702.D	AC57439-001(10X)	03/03/11 13:25
2M63703.D	AC57516-009(80uL	03/03/11 13:46
2M63704.D	AC57516-012(80uL	03/03/11 14:05
2M63705.D	AC57516-016(80uL	03/03/11 14:27
2M63706.D	AC57471-001(T:M	03/03/11 14:44
2M63707.D	AC57471-001(T:M	03/03/11 15:00
2M63708.D	AC57099-020(T)	03/03/11 15:16
2M63709.D	AC57097-020(T)	03/03/11 15:31
2M63710.D	EF-3-V1014(03011	03/03/11 15:47
2M63711.D	AC57099-019(T)	03/03/11 16:03
2M63712.D	AC57097-019(T)	03/03/11 16:19
2M63713.D	EF-3-V-1014(0302	03/03/11 16:35
2M63714.D	AC57516-013(80uL	03/03/11 16:51
2M63715.D	AC57516-014	03/03/11 17:06
2M63716.D	AC57516-015	03/03/11 17:22
2M63717.D	AC57516-007	03/04/11 06:22
2M63718.D	AC57516-008	03/04/11 06:38
2M63719.D	AC57516-010	03/04/11 06:54
2M63720.D	AC57516-011	03/04/11 07:10
2M63721.D	BLK	03/04/11 07:28
2M63722.D	BLK	03/04/11 07:44
2M63723.D	BLK	03/04/11 07:59

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65288.D Method: EPA 8260B

Analysis Date/Time: 02/02/11 11:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	193186	4.63	118546	6.19	52208	7.43						
Eval File Area Limit:	96593-386372		59273-237092		26104-104416							
Eval File Rt Limit:	4.13-5.13		5.69-6.69		6.93-7.93							

Data File	Sample											
6M65280.D	BLK	204397	4.63	125611	6.19	48978	7.42					
6M65281.D	CAL @ 1 PPB	191308	4.63	122195	6.19	54405	7.42					
6M65282.D	CAL @ 0.5 PF	189385	4.63	124189	6.19	54506	7.42					
6M65283.D	CAL @ 5 PPB	191574	4.63	119535	6.19	54297	7.42					
6M65284.D	CAL @ 500 P	167023	4.63	98229	6.19	43823	7.42					
6M65285.D	CAL @ 250 P	168072	4.63	102970	6.19	45282	7.43					
6M65286.D	CAL @ 100 P	169305	4.63	104594	6.19	46257	7.42					
6M65287.D	CAL @ 50 PP	181367	4.63	112848	6.19	49873	7.42					
6M65288.D	CAL @ 20 PP	193186	4.63	118546	6.19	52208	7.43					
6M65289.D	CAL @ 10 PP	192199	4.63	116551	6.19	53791	7.42					
6M65290.D	BLK	192752	4.63	122532	6.19	53285	7.43					
6M65291.D	20 PPB	208021	4.64	125141	6.20	54524	7.43					
6M65292.D	20 PPB	194943	4.63	115564	6.19	52131	7.43					
6M65293.D	ICV	200287	4.63	122194	6.19	53417	7.43					
6M65294.D	BLK	188681	4.63	120084	6.19	50571	7.43					
6M65295.D	DAILY BLANK	188898	4.63	122105	6.19	52451	7.43					
6M65296.D	DAILY BLANK	191921	4.63	124465	6.19	52602	7.43					
6M65297.D	MBS5772	191046	4.63	116696	6.19	54512	7.43					
6M65298.D	MBS5774	182973	4.63	115473	6.19	53239	7.43					
6M65299.D	BLK	173239	4.63	113468	6.19	47871	7.43					
6M65300.D	20ppb(1/31)	187082	4.63	116826	6.19	53959	7.43					
6M65301.D	20ppb(2/1)	183103	4.63	112950	6.19	52673	7.42					
6M65302.D	20ppb(2/1)	174426	4.63	111282	6.19	50271	7.43					
6M65303.D	AC57073-002	169876	4.63	111757	6.19	46251	7.43					
6M65304.D	AC57073-005	168558	4.63	112218	6.19	47361	7.42					
6M65305.D	BLK	173701	4.63	113503	6.19	47455	7.42					
6M65306.D	AC57073-009	175727	4.63	113929	6.19	47876	7.42					
6M65307.D	AC57073-008	169983	4.63	111148	6.19	45901	7.42					
6M65308.D	AC57073-007	175292	4.63	117457	6.19	48608	7.42					
6M65309.D	BLK	209950	4.62	132277	6.17	51075	7.41					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M87526.D Method: EPA 8260B

Analysis Date/Time: 02/09/11 11:41

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	160825	4.55	140297	6.38	87304	7.81						
Eval File Area Limit:	80412-321650		70148-280594		43652-174608							
Eval File Rt Limit:	4.05-5.05		5.88-6.88		7.31-8.309999							

Data File	Sample											
3M87518.D	BLK	152643	4.55	125828	6.38	74239	7.80					
3M87519.D	CAL @ 1 PP	159695	4.55	135256	6.38	83426	7.80					
3M87520.D	CAL @ 0.5 P	153680	4.55	130221	6.38	76311	7.81					
3M87521.D	CAL @ 5 PPB	158070	4.55	128807	6.38	82853	7.80					
3M87522.D	CAL @ 500 P	169007	4.55	131837	6.38	75439	7.81					
3M87523.D	CAL @ 250 P	168608	4.55	139222	6.38	81764	7.81					
3M87524.D	CAL @ 100 P	165783	4.55	143148	6.38	86321	7.81					
3M87525.D	CAL @ 50 PP	163206	4.55	144450	6.38	88725	7.80					
3M87526.D	CAL @ 20 PP	160825	4.55	140297	6.38	87304	7.81					
3M87527.D	CAL @ 10 PP	166024	4.55	145224	6.38	89255	7.81					
3M87528.D	BLK	138649	4.55	120109	6.39	70971	7.81					
3M87529.D	ICV	171687	4.56	146775	6.39	92774	7.81					
3M87530.D	20 PPB	173285	4.55	147065	6.39	91516	7.81					
3M87531.D	DAILY BLANK	167303	4.56	144323	6.39	86313	7.81					
3M87532.D	DAILY BLANK	160508	4.55	142284	6.39	82027	7.81					
3M87533.D	1 PPB	162151	4.55	140404	6.39	84187	7.81					
3M87534.D	MBS5983	173623	4.56	146172	6.39	95156	7.81					
3M87535.D	BLK	165833	4.56	144970	6.39	82400	7.81					
3M87536.D	BLK	166037	4.56	141606	6.39	82487	7.81					
3M87537.D	MBS5993	172803	4.56	146145	6.39	93073	7.81					
3M87538.D	57040-001	165980	4.56	142045	6.39	86537	7.81					
3M87539.D	20 PPB	171090	4.55	148481	6.39	96020	7.81					
3M87540.D	AC57040-001(	162818	4.55	136595	6.39	84564	7.81					
3M87541.D	AC57040-002(	139156	4.55	111825	6.39	70794	7.81					
3M87542.D	AC57040-003(	168017	4.55	135281	6.39	85001	7.81					
3M87543.D	20 PPB	158373	4.55	130882	6.39	84079	7.81					
3M87544.D	MBS5988	170435	4.55	147686	6.39	90194	7.81					
3M87545.D	57180-001	158234	4.56	140802	6.39	82729	7.81					
3M87546.D	57180-004	161189	4.55	136471	6.39	80277	7.81					
3M87547.D	BLK	161531	4.56	143232	6.40	83066	7.81					
3M87557.D	AC57080-001(	174837	4.56	145534	6.39	95441	7.81					
3M87558.D	AC57080-001(	175603	4.56	147430	6.39	93764	7.81					
3M87559.D	BLK	165159	4.56	144824	6.39	82820	7.82					
3M87565.D	BLK	165486	4.56	140731	6.40	81145	7.81					
3M87570.D	MBS5989	178454	4.56	139206	6.40	90516	7.81					
3M87571.D	BLK	166997	4.55	139809	6.39	86523	7.81					
3M87572.D	BLK	170747	4.56	138972	6.40	83205	7.81					
3M87573.D	BLK	85643	4.57	88315	6.41	76430	7.83					
3M87574.D	BLK	162349	4.56	136612	6.40	80046	7.82					
3M87575.D	BLK	170409	4.56	141882	6.39	81525	7.81					
3M87576.D	BLK	164103	4.56	135782	6.40	80626	7.81					
3M87577.D	BLK	164574	4.56	141096	6.40	81945	7.82					
3M87578.D	BLK	163940	4.56	141449	6.40	81509	7.82					

I1 =	Fluorobenzene	I4 =	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Chlorobenzene-d5	I5 =	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	1.4-Dichlorobenzene-d4	I6 =	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65417.D Method: EPA 8260B

Analysis Date/Time: 02/11/11 10:15

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	123527	4.62	83807	6.18	37127	7.41						
Eval File Area Limit:	61764-247054		41904-167614		18564-74254							
Eval File Rt Limit:	4.12-5.12		5.68-6.68		6.91-7.91							

Data File	Sample						
6M65416.D	20 PPB	126427	4.62	87026	6.18	37188	7.41
6M65418.D	BLKHCL	126861	4.62	88621	6.18	35630	7.42
6M65419.D	DAILY BLANK	124182	4.62	86788	6.18	35717	7.41
6M65420.D	DAILY BLANK	124312	4.62	87187	6.18	36480	7.42
6M65421.D	MBS6005	122108	4.62	85593	6.18	37059	7.41
6M65422.D	MBS6006	124457	4.62	86385	6.18	37623	7.42
6M65423.D	BLKJUG2	137182	4.62	93927	6.18	37216	7.42
6M65424.D	AC57228-004	121243	4.62	84657	6.18	35990	7.42
6M65425.D	AC57228-005	117515	4.62	81575	6.18	34431	7.42
6M65426.D	AC57229-001	118527	4.62	82287	6.18	35169	7.42
6M65427.D	AC57229-002	114904	4.62	81213	6.18	34837	7.42
6M65428.D	AC57232-003	117899	4.62	84694	6.18	39686	7.42
6M65429.D	AC57232-007	113540	4.62	81523	6.18	35998	7.42
6M65430.D	AC57232-008	115462	4.62	82115	6.18	36823	7.42
6M65431.D	AC57232-009	116952	4.62	84224	6.18	37812	7.42
6M65432.D	AC57199-001	119744	4.62	85803	6.18	37607	7.42
6M65433.D	BLK	120331	4.62	84206	6.18	37180	7.42
6M65434.D	AC57205-019	118910	4.63	84630	6.18	35633	7.42
6M65435.D	AC57205-020	118009	4.62	83170	6.18	35999	7.42
6M65436.D	AC57205-021	117509	4.63	84061	6.19	33989	7.42
6M65437.D	AC57205-022	113969	4.63	79914	6.18	34091	7.42
6M65438.D	AC57224-003	120557	4.62	86430	6.18	37609	7.42
6M65439.D	AC57224-004	121218	4.62	88653	6.18	43226	7.42
6M65440.D	AC57205-023	124066	4.62	87172	6.18	38368	7.42
6M65441.D	AC57205-024	115849	4.62	83243	6.18	35836	7.42
6M65442.D	AC57205-025	117870	4.63	84566	6.18	37437	7.42
6M65443.D	AC57205-026	119805	4.63	81899	6.18	33531	7.42
6M65444.D	AC57205-016	114387	4.62	79939	6.19	34083	7.42
6M65445.D	AC57205-015	120873	4.62	85308	6.18	36828	7.42
6M65446.D	AC57097-001(	120497	4.62	81875	6.18	36078	7.42
6M65447.D	AC57099-001(	115794	4.62	79893	6.18	34034	7.42
6M65448.D	EF-3-1014(2/1	121203	4.62	87474	6.18	36978	7.42
6M65449.D	AC57199-002	120000	4.62	79926	6.18	34779	7.42
6M65450.D	AC57216-001	117311	4.62	80524	6.18	35123	7.42
6M65451.D	AC57229-001(	117651	4.62	83836	6.18	36232	7.42
6M65452.D	AC57232-001	114198	4.62	81961	6.18	38397	7.42
6M65453.D	AC57232-002(	122464	4.62	87655	6.18	41309	7.42
6M65454.D	EF-1-V-10767	125009	4.62	85937	6.18	38406	7.42
6M65455.D	57224-007(80	121545	4.62	81968	6.18	37524	7.42
6M65456.D	57224-008	123914	4.62	86659	6.18	38697	7.42
6M65457.D	BLK	119275	4.62	84181	6.18	37475	7.42
6M65458.D	BLK	116277	4.62	80297	6.18	34848	7.42

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65522.D Method: EPA 8260B

Analysis Date/Time: 02/15/11 13:38

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	169379	4.62	119863	6.17	57089	7.41						
Eval File Area Limit:	84690-338758		59932-239726		28544-114178							
Eval File Rt Limit:	4.12-5.12		5.67-6.67		6.91-7.91							

Data File	Sample											
6M65520.D	BLK	163277	4.62	119960	6.18	49696	7.41					
6M65521.D	20 PPB	170537	4.62	121733	6.18	55393	7.41					
6M65523.D	BLK	160301	4.62	110948	6.18	45732	7.41					
6M65524.D	DAILY BLANK	149174	4.62	111987	6.17	47397	7.41					
6M65525.D	DAILY BLANK	146779	4.62	109242	6.18	45960	7.42					
6M65526.D	MBS6023	236844	4.61	115407	6.17	54341	7.41					
6M65527.D	MBS6024	176000	4.62	118350	6.17	56504	7.41					
6M65528.D	MBS6025	223334	4.62	105528	6.17	51575	7.41					
6M65529.D	AC57241-001(	150053	4.62	108190	6.17	51465	7.41					
6M65530.D	AC57241-001(	149803	4.62	105956	6.17	52854	7.41					
6M65531.D	MBS6026	143762	4.62	104217	6.17	52199	7.41					
6M65534.D	AC57274-001	148916	4.62	106306	6.17	47640	7.41					
6M65535.D	AC57273-001	141223	4.62	106254	6.18	49415	7.41					
6M65536.D	AC57213-001(	152270	4.62	111028	6.17	51588	7.41					
6M65537.D	AC57213-001(	151672	4.62	108041	6.17	49603	7.41					
6M65538.D	BLK	138032	4.62	104590	6.18	45011	7.41					
6M65541.D	AC57099-004(	139579	4.62	103169	6.17	47145	7.41					
6M65542.D	AC57097-004(	148341	4.62	105509	6.17	48884	7.41					
6M65543.D	AC57099-005(	148652	4.62	108155	6.17	47825	7.41					
6M65544.D	EF-3-1014(2/1	138838	4.62	102897	6.17	44813	7.41					
6M65545.D	EF-3-VO-SPL	147730	4.62	106984	6.17	47285	7.41					
6M65546.D	AC57097-005(	145187	4.62	108140	6.18	49104	7.41					
6M65547.D	BLK	145467	4.62	103651	6.17	44287	7.41					
6M65548.D	BLK	147326	4.62	111798	6.18	46631	7.41					
6M65549.D	524INTTEST	2540 A	4.62	94 A	6.18	546 A	7.63					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M65640.D Method: EPA 8260B

Analysis Date/Time: 02/18/11 16:42

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	165941	4.63	98953	6.19	44491	7.43						
Eval File Area Limit:	82970-331882		49476-197906		22246-88982							
Eval File Rt Limit:	4.13-5.13		5.69-6.69		6.93-7.93							

Data File	Sample						
6M65641.D	DAILY BLANK	142511	4.64	92023	6.19	38669	7.43
6M65642.D	DAILY BLANK	141274	4.64	91842	6.19	37819	7.43
6M65643.D	MBS6063	144799	4.64	90972	6.19	41672	7.43
6M65644.D	MBS6064	138560	4.63	89284	6.19	41358	7.43
6M65645.D	AC57263-001(	127281	4.64	86853	6.19	37772	7.43
6M65646.D	AC57198-002(	127311	4.64	85137	6.19	37460	7.43
6M65647.D	AC57263-001(	128514	4.64	85033	6.19	37680	7.43
6M65648.D	AC57198-002(	130715	4.65	83003	6.21	35988	7.44
6M65649.D	AC57097-005(	134472	4.64	85090	6.20	39402	7.43
6M65650.D	AC57097-005(	134918	4.64	85108	6.19	38120	7.43
6M65651.D	EF-1-V-10853	124596	4.64	81781	6.20	35184	7.43
6M65652.D	EF-3-V-1014(	127210	4.64	81120	6.19	34660	7.43
6M65653.D	AC57294-001(	138146	4.64	88168	6.20	37888	7.43
6M65654.D	EF-3-V-1014(	126464	4.64	85568	6.19	38910	7.43
6M65655.D	AC57298-005(	132799	4.64	90773	6.19	38961	7.43
6M65656.D	EF-3-V-1014(	126683	4.64	82404	6.20	37170	7.43
6M65657.D	AC57099-006(	124037	4.64	79438	6.19	35860	7.43
6M65658.D	AC57099-007(	123924	4.64	82476	6.19	36365	7.43
6M65659.D	AC57099-008(	123905	4.64	82772	6.20	36201	7.43
6M65660.D	BLK	126861	4.64	80064	6.19	32609	7.43
6M65667.D	BLK	134058	4.63	87242	6.19	34809	7.43
6M65673.D	BLK	119495	4.64	79896	6.19	32140	7.43
6M65675.D	MBS6067	125423	4.63	77263	6.19	36004	7.42
6M65676.D	BLK	114827	4.64	76353	6.19	32216	7.43
6M65677.D	BLK	122244	4.63	79060	6.19	31390	7.42
6M65678.D	BLK	119527	4.64	73516	6.20	31442	7.43
6M65679.D	BLK	116173	4.63	77587	6.19	31541	7.42

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88070.D Method: EPA 8260B

Analysis Date/Time: 02/22/11 10:25

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	187011	4.56	167928	6.40	105364	7.81						
Eval File Area Limit:	93506-374022		83964-335856		52682-210728							
Eval File Rt Limit:	4.06-5.06		5.9-6.9		7.31-8.309999							

Data File	Sample											
3M88069.D	20 PPB	179027	4.56	153841	6.40	94935	7.81					
3M88071.D	BLKJUG2	175725	4.56	159172	6.39	91416	7.81					
3M88072.D	STDTEST	183190	4.56	167760	6.40	107810	7.81					
3M88073.D	DAILY BLANK	180725	4.56	161499	6.40	94463	7.81					
3M88074.D	MBS6079	178400	4.56	157507	6.39	102108	7.82					
3M88075.D	MBS6080	169753	4.56	156027	6.39	101159	7.82					
3M88076.D	AC57097-009(	160658	4.56	145440	6.39	90239	7.82					
3M88077.D	AC57097-010(	162186	4.56	145987	6.40	90460	7.82					
3M88078.D	AC57097-011(	167153	4.56	154680	6.40	94380	7.82					
3M88079.D	AC57099-009(	145361	4.57	133795	6.40	80022	7.82					
3M88080.D	AC57099-010(	164150	4.56	147776	6.40	88745	7.82					
3M88081.D	AC57099-011(	152195	4.56	139339	6.40	84407	7.82					
3M88082.D	EF-3-V-1014#	163407	4.56	151693	6.39	90974	7.82					
3M88083.D	DAILY BLANK	164589	4.56	148196	6.39	88873	7.82					
3M88084.D	MBS6081	160484	4.56	144067	6.40	97373	7.82					
3M88085.D	EF-3-V-1014#	161684	4.56	146568	6.40	86173	7.82					
3M88086.D	AC57375-001	159770	4.56	150782	6.39	96454	7.82					
3M88087.D	AC57375-002	156192	4.56	149177	6.39	94181	7.82					
3M88088.D	AC57375-003	156262	4.56	143771	6.39	93232	7.82					
3M88089.D	AC57375-006	158006	4.56	148028	6.40	94461	7.82					
3M88090.D	AC57375-008	158595	4.56	151468	6.40	97085	7.82					
3M88091.D	AC57375-010	127878	4.56	121198	6.40	80248	7.82					
3M88092.D	AC57375-011	159267	4.56	151286	6.40	91239	7.82					
3M88093.D	EF-3-V-1014#	172264	4.56	157017	6.39	98965	7.82					
3M88094.D	AC57372-001(	167725	4.56	152641	6.40	93948	7.82					
3M88095.D	AC57375-012(	166931	4.56	156459	6.39	97604	7.82					
3M88096.D	AC57375-005(	167242	4.56	156060	6.40	94938	7.82					
3M88097.D	AC57375-007(	147150	4.56	134898	6.39	80914	7.81					
3M88098.D	AC57375-009(	172605	4.56	150350	6.39	94058	7.81					
3M88099.D	AC57375-004(	154172	4.56	147331	6.40	90736	7.82					
3M88100.D	AC57375-013(	139383	4.56	125833	6.39	79461	7.81					
3M88101.D	BLK	162242	4.56	148501	6.39	94302	7.81					
3M88102.D	AC57097-010(	171651	4.56	160787	6.40	96189	7.81					
3M88103.D	AC57097-010(	173313	4.56	161305	6.39	98438	7.82					
3M88104.D	BLK	169360	4.56	154844	6.39	95500	7.81					
3M88105.D	BLK	171463	4.56	158180	6.40	95517	7.81					
3M88106.D	BLK	170397	4.56	156945	6.40	94928	7.81					
3M88107.D	BLK	169812	4.56	163706	6.40	95591	7.82					
3M88108.D	BLK	172549	4.56	164728	6.40	95977	7.82					
3M88109.D	BLK	170314	4.56	163217	6.40	94470	7.82					
3M88110.D	BLK	167775	4.56	160833	6.39	92101	7.82					
3M88111.D	BLK	171054	4.56	158144	6.40	93126	7.81					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M63428.D Method: EPA 8260B

Analysis Date/Time: 02/25/11 09:50

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	290099	4.31	236731	6.11	140124	7.51						
Eval File Area Limit:	145050-580198		118366-473462		70062-280248							
Eval File Rt Limit:	3.81-4.81		5.61-6.61		7.01-8.01							

Data File	Sample											
2M63419.D	BLK	286965	4.31	239856	6.11	148246	7.51					
2M63421.D	CAL @ 1 PPB	291245	4.31	236211	6.12	144702	7.51					
2M63422.D	CAL @ 0.5 P	242068	4.30	200023	6.11	119710	7.51					
2M63423.D	CAL @ 5 PPB	280920	4.31	226134	6.11	140212	7.51					
2M63424.D	CAL @ 500 P	289773	4.31	204920	6.11	110689	7.51					
2M63425.D	CAL @ 250 P	282226	4.31	210058	6.11	117095	7.51					
2M63426.D	CAL @ 100 P	294384	4.31	234082	6.11	131688	7.51					
2M63427.D	CAL @ 50 PP	293711	4.31	239585	6.11	134110	7.51					
2M63428.D	CAL @ 20 PP	290099	4.31	236731	6.11	140124	7.51					
2M63429.D	CAL @ 10 PP	260578	4.31	217825	6.11	124454	7.51					
2M63430.D	ICV	292330	4.31	236104	6.11	135613	7.51					
2M63431.D	BLK	302093	4.31	250064	6.11	140294	7.51					
2M63432.D	DAILY BLANK	266714	4.31	223018	6.12	121192	7.51					
2M63433.D	DAILY BLANK	279502	4.31	232184	6.12	133106	7.51					
2M63434.D	MBS6137	284865	4.31	228286	6.12	131726	7.51					
2M63435.D	BLK	262285	4.31	215523	6.12	126226	7.51					
2M63436.D	MBS6218	283309	4.31	223756	6.12	134814	7.51					
2M63437.D	MBS6219	254924	4.31	208565	6.12	121055	7.52					
2M63438.D	MBS6220	258648	4.31	209668	6.12	124723	7.51					
2M63439.D	MBS6221	271546	4.31	221932	6.12	134436	7.52					
2M63440.D	MBS6222	249243	4.31	210535	6.12	126897	7.52					
2M63441.D	MBS6223	285655	4.31	234900	6.12	136389	7.52					
2M63442.D	MBS6224	281832	4.31	233001	6.12	137683	7.52					
2M63443.D	MBS6225	258689	4.31	218209	6.12	125305	7.52					
2M63444.D	BLK	288771	4.31	239296	6.12	133981	7.51					
2M63445.D	AC57458-001	287780	4.31	234115	6.12	133463	7.52					
2M63446.D	AC57458-002	280661	4.31	233548	6.12	129458	7.52					
2M63447.D	AC57458-003	280159	4.31	230982	6.12	131583	7.51					
2M63448.D	AC57458-004	263199	4.31	209361	6.12	120784	7.51					
2M63449.D	AC57458-005	272038	4.31	217562	6.12	129998	7.51					
2M63450.D	BLK	292346	4.31	229192	6.12	137666	7.51					
2M63451.D	AC57476-001	269482	4.31	232860	6.11	132853	7.51					
2M63452.D	AC57476-002	279519	4.31	232372	6.11	129122	7.51					
2M63453.D	AC57476-003	270792	4.31	219200	6.11	123820	7.51					
2M63454.D	AC57476-004	252424	4.31	210505	6.11	119273	7.51					
2M63455.D	AC57476-005	274273	4.31	224492	6.11	129352	7.51					
2M63456.D	AC57476-006	259248	4.31	215020	6.10	120516	7.51					
2M63457.D	AC57476-007	257790	4.31	214223	6.11	121350	7.51					
2M63458.D	AC57476-008	247422	4.30	204584	6.11	120604	7.51					
2M63459.D	BLK	266414	4.30	232209	6.11	130717	7.50					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88288.D Method: EPA 8260B

Analysis Date/Time: 02/25/11 07:57

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	171858	4.58	163696	6.41	104429	7.84						
Eval File Area Limit:	85929-343716		81848-327392		52214-208858							
Eval File Rt Limit:	4.08-5.08		5.91-6.91		7.34-8.34							

Data File	Sample											
3M88289.D	BLKHCL	172348	4.58	155075	6.41	90537	7.84					
3M88290.D	DAILY BLANK	172703	4.58	155936	6.42	89571	7.84					
3M88291.D	DAILY BLANK	172127	4.58	154563	6.42	86079	7.85					
3M88292.D	MBS6131	173058	4.58	153368	6.42	103061	7.85					
3M88293.D	MBS6133	178744	4.59	158406	6.42	105581	7.84					
3M88294.D	MBS6135	172944	4.59	155512	6.42	104163	7.84					
3M88295.D	AC57379-006	161258	4.59	147954	6.43	92811	7.84					
3M88296.D	AC57431-001	163325	4.59	152488	6.43	93693	7.85					
3M88297.D	AC57426-001	165016	4.59	151738	6.43	98664	7.85					
3M88298.D	AC57426-002	167166	4.58	148626	6.42	98631	7.85					
3M88299.D	AC57426-003	161414	4.58	149182	6.42	93955	7.85					
3M88300.D	AC57431-001	0 A	0.00 R	376 A	6.43	465 A	7.86					
3M88301.D	AC57426-004	155503	4.59	148274	6.43	93424	7.85					
3M88302.D	AC57426-005	149240	4.59	141444	6.43	90194	7.85					
3M88303.D	AC57426-006	152936	4.59	144321	6.43	90471	7.85					
3M88304.D	AC57426-007	146394	4.59	139473	6.43	90531	7.86					
3M88305.D	AC57426-008	155687	4.59	142828	6.43	92042	7.86					
3M88306.D	AC57441-001	149481	4.59	138544	6.43	90170	7.85					
3M88307.D	AC57441-002	147976	4.59	140326	6.43	91451	7.86					
3M88308.D	AC57441-003	145663	4.59	136360	6.43	89303	7.86					
3M88309.D	AC57441-004	150360	4.59	135120	6.43	87673	7.85					
3M88310.D	AC57441-005	143967	4.59	133884	6.43	84991	7.86					
3M88311.D	AC57441-007	150499	4.59	135708	6.43	86761	7.86					
3M88312.D	AC57441-008	138429	4.59	133956	6.43	87846	7.86					
3M88313.D	AC57441-010	151088	4.59	140209	6.43	87247	7.85					
3M88314.D	AC57441-006(	148135	4.59	139599	6.43	86302	7.85					
3M88315.D	AC57441-009(	144120	4.58	141957	6.42	82346	7.85					
3M88316.D	AC57379-006(	156272	4.59	141011	6.43	85941	7.85					
3M88317.D	AC57379-006(	155821	4.59	139570	6.43	89791	7.85					
3M88318.D	BLK	156869	4.59	145167	6.42	89987	7.84					
3M88319.D	AC57099-015(	156694	4.59	145177	6.42	90774	7.84					
3M88320.D	AC57097-015(	161832	4.58	144921	6.42	91984	7.84					
3M88321.D	AC57097-014(	161975	4.58	145824	6.42	93741	7.84					
3M88322.D	AC57099-014(	162044	4.58	147132	6.42	92295	7.84					
3M88323.D	EF-3-V-1014#	141705	4.58	128911	6.42	79747	7.84					
3M88324.D	EF-3-V-1014#	160538	4.58	150144	6.42	93833	7.84					
3M88325.D	AC57364-004	169591	4.58	153093	6.41	98043	7.84					
3M88326.D	AC57364-003	166437	4.58	154853	6.41	93750	7.83					
3M88327.D	AC57364-002	171690	4.58	155637	6.41	97487	7.83					
3M88328.D	AC57364-001	164738	4.57	149891	6.41	92884	7.83					
3M88329.D	AC57280-006(	175204	4.57	153168	6.41	97797	7.83					
3M88330.D	AC57280-006(	176026	4.57	152220	6.41	96569	7.83					
3M88331.D	BLK	176629	4.57	153853	6.41	92516	7.83					
3M88332.D	BLK	175145	4.57	152522	6.41	91285	7.83					
3M88333.D	BLK	170786	4.57	150477	6.41	90732	7.83					
3M88334.D	MBS6232	177994	4.57	151106	6.41	98393	7.83					
3M88335.D	BLK	175085	4.57	150071	6.40	90308	7.83					
3M88346.D	BLK	177809	4.57	153499	6.40	90908	7.83					
3M88352.D	MBS6233	183283	4.57	157819	6.40	102523	7.82					
3M88353.D	BLK	178778	4.56	151143	6.40	86663	7.82					
3M88358.D	BLK	182144	4.56	161055	6.40	89364	7.82					
3M88360.D	AC57280-007(	192712	4.56	162908	6.40	100132	7.82					
3M88361.D	AC57280-007(	188406	4.56	158218	6.39	102877	7.82					

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1.4-Dichlorobenzene-d4
I4 =
I5 =
I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88288.D Method: EPA 8260B

Analysis Date/Time: 02/25/11 07:57

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	171858	4.58	163696	6.41	104429	7.84						
Eval File Area Limit:	85929-343716		81848-327392		52214-208858							
Eval File Rt Limit:	4.08-5.08		5.91-6.91		7.34-8.34							

Data File	Sample											
3M88362.D	BLK	182260	4.56	161388	6.40	90604	7.81					
3M88363.D	BLK	177316	4.56	151732	6.40	88461	7.81					
3M88364.D	MBS6234	189552	4.56	161734	6.40	104061	7.82					
3M88365.D	BLK	180282	4.56	154452	6.40	90326	7.82					
3M88375.D	BLK	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R					
3M88376.D	BLK	0 A	0.00 R	0 A	0.00 R	0 A	0.00 R					
3M88377.D	BLK	15133 A	4.44	0 A	0.00 R	0 A	0.00 R					
3M88378.D	BLK	717770 A	4.57	629217 A	6.40	374900 A	7.82					
3M88379.D	BLK	298781	4.57	257537	6.40	151971	7.82					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88394.D Method: EPA 8260B

Analysis Date/Time: 02/27/11 17:23

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	284489	4.57	246116	6.40	153466	7.82						
Eval File Area Limit:	142244-568978		123058-492232		76733-306932							
Eval File Rt Limit:	4.07-5.07		5.9-6.9		7.32-8.32							

Data File	Sample											
3M88387.D	CAL @ 1 PPB	267491	4.57	223218	6.40	136322	7.83					
3M88388.D	CAL @ 0.5 P	268926	4.57	224259	6.40	129366	7.83					
3M88389.D	CAL @ 5 PPB	279108	4.57	231779	6.40	141570	7.83					
3M88390.D	CAL @ 500 P	301868	4.57	228407	6.40	128177	7.83					
3M88391.D	CAL @ 250 P	288324	4.57	235329	6.40	137430	7.83					
3M88392.D	CAL @ 100 P	282479	4.57	245054	6.41	148424	7.83					
3M88393.D	CAL @ 50 PP	274720	4.57	243715	6.40	147545	7.83					
3M88394.D	CAL @ 20 PP	284489	4.57	246116	6.40	153466	7.82					
3M88395.D	CAL @ 10 PP	287178	4.57	241646	6.41	153387	7.82					
3M88396.D	BLK	267584	4.57	239589	6.40	141070	7.83					
3M88397.D	20 PPB	277373	4.57	242387	6.40	151769	7.82					
3M88398.D	ICV	280074	4.57	242231	6.41	149795	7.82					
3M88399.D	BLK	268137	4.57	231796	6.41	137197	7.82					
3M88400.D	DAILY BLANK	267114	4.57	237708	6.40	137782	7.82					
3M88401.D	DAILY BLANK	276388	4.57	234587	6.41	133536	7.82					
3M88402.D	MDL@ 1 PPB	262239	4.57	228652	6.41	139824	7.82					
3M88403.D	MDL@ 1 PPB	280182	4.57	237292	6.41	142192	7.82					
3M88404.D	MDL@ 1 PPB	245206	4.57	208080	6.41	122526	7.82					
3M88405.D	MDL@ 1 PPB	282494	4.57	236042	6.40	140789	7.82					
3M88406.D	MDL@ 1 PPB	282453	4.57	233316	6.41	140981	7.82					
3M88407.D	MDL@ 1 PPB	276535	4.57	235466	6.40	142985	7.82					
3M88408.D	1 PPB	282452	4.57	246314	6.40	144816	7.82					
3M88409.D	MDL@ 1 PPB	276698	4.57	237713	6.40	145546	7.82					
3M88410.D	VER@ 1 PPB	278366	4.57	239756	6.40	144631	7.82					
3M88411.D	VER@ 0.5 PP	279108	4.57	230865	6.40	142451	7.82					
3M88412.D	DAILY BLANK	292971	4.57	243871	6.40	147163	7.82					
3M88413.D	MBS6231	297642	4.57	250671	6.40	160107	7.82					
3M88414.D	AC57477-012	321498	4.66	242256	6.41	141356	7.82					
3M88415.D	AC57477-014	257289	4.57	240350	6.40	137166	7.82					
3M88416.D	AC57477-017	368720	4.66	225509	6.41	127506	7.83					
3M88417.D	57477-011	282532	4.57	253864	6.41	144911	7.82					
3M88418.D	57477-013	254118	4.57	230092	6.40	133052	7.83					
3M88419.D	57477-015	291057	4.57	253139	6.41	149696	7.82					
3M88420.D	57477-016	275628	4.57	251944	6.40	147271	7.83					
3M88421.D	57477-018	289814	4.57	253585	6.40	149740	7.83					
3M88422.D	57477-019	277306	4.57	249472	6.40	145518	7.83					
3M88423.D	57487-020	287066	4.57	256831	6.40	149558	7.83					
3M88424.D	57487-016	285636	4.57	245220	6.40	142711	7.83					
3M88425.D	57487-012	279566	4.57	246896	6.40	143235	7.83					
3M88426.D	57487-008	287877	4.57	249195	6.40	142009	7.83					
3M88427.D	57487-004	285802	4.57	241341	6.40	143911	7.83					
3M88428.D	57487-018	287851	4.57	249060	6.41	145988	7.83					
3M88429.D	57487-014	288140	4.57	239315	6.41	141807	7.83					
3M88430.D	57487-010	283575	4.57	249753	6.41	142070	7.83					
3M88431.D	57487-006	246320	4.57	211863	6.41	121585	7.83					
3M88432.D	57487-002	287222	4.57	256433	6.41	141963	7.83					
3M88433.D	BLK	280595	4.58	245423	6.41	143037	7.83					
3M88434.D	BLK	281565	4.58	245163	6.41	143969	7.83					
3M88435.D	BLK	280748	4.58	245955	6.41	143689	7.83					
3M88436.D	BLK	270227	4.58	240863	6.41	137106	7.83					
3M88437.D	BLK	283644	4.58	249816	6.41	144609	7.83					
3M88438.D	BLK	279514	4.58	246235	6.41	137944	7.83					
3M88439.D	BLK	277020	4.58	240873	6.41	139554	7.84					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88394.D Method: EPA 8260B

Analysis Date/Time: 02/27/11 17:23

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	284489	4.57	246116	6.40	153466	7.82						
Eval File Area Limit:	142244-568978		123058-492232		76733-306932							
Eval File Rt Limit:	4.07-5.07		5.9-6.9		7.32-8.32							
Data File Sample												
3M88440.D BLK	275925	4.58	232296	6.41	138135	7.84						
3M88441.D BLK	277131	4.58	241336	6.41	139135	7.83						
3M88442.D BLK	288084	4.58	247030	6.41	140481	7.83						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88446.D Method: EPA 8260B

Analysis Date/Time: 02/28/11 07:40

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	299686	4.58	252458	6.41	155078	7.83						
Eval File Area Limit:	149843-599372		126229-504916		77539-310156							
Eval File Rt Limit:	4.08-5.08		5.91-6.91		7.33-8.33							

Data File	Sample						
3M88444.D	BLK	279942	4.58	243205	6.41	139376	7.84
3M88445.D	20 PPB	301894	4.58	246341	6.41	153286	7.84
3M88447.D	BLK	287548	4.58	255808	6.42	147895	7.84
3M88448.D	DAILY BLANK	288010	4.58	253204	6.42	149910	7.84
3M88449.D	DAILY BLANK	266126	4.58	229768	6.42	135305	7.84
3M88450.D	MBS6241	274681	4.58	240901	6.42	153479	7.84
3M88451.D	MBS6242	279877	4.58	243880	6.42	153855	7.84
3M88452.D	BLK	243686	4.58	226666	6.42	126960	7.84
3M88453.D	AC57454-001	273747	4.58	237364	6.42	141462	7.84
3M88454.D	AC57454-002	240652	4.58	212014	6.42	123347	7.85
3M88455.D	AC57454-003	269764	4.58	234144	6.42	135392	7.84
3M88456.D	AC57454-004	278158	4.58	238510	6.42	136943	7.85
3M88457.D	AC57454-005	247859	4.58	213070	6.42	125224	7.85
3M88458.D	AC57426-004(	247882	4.58	223230	6.42	134627	7.85
3M88459.D	AC57426-007(	220260	4.59	204334	6.42	120492	7.85
3M88460.D	AC57426-005(	238343	4.59	210265	6.43	129249	7.85
3M88461.D	AC57426-006	230071	4.59	210570	6.43	125391	7.85
3M88462.D	AC57441-008(	244614	4.59	226660	6.42	134469	7.85
3M88463.D	AC57441-002(	253675	4.59	228433	6.42	137755	7.85
3M88464.D	AC57441-003(	252313	4.59	230196	6.42	136762	7.85
3M88465.D	AC57441-009(	253774	4.59	236933	6.43	137548	7.85
3M88466.D	BLKHCL	254704	4.59	224849	6.43	137993	7.85
3M88467.D	AC57426-003	249544	4.59	232486	6.42	139519	7.85
3M88468.D	AC57475-001	257964	4.59	231702	6.43	144460	7.85
3M88469.D	AC57475-002	264138	4.59	250502	6.43	150833	7.85
3M88470.D	AC57475-003	265385	4.59	250703	6.43	146783	7.85
3M88471.D	AC57475-004	278621	4.59	254499	6.43	153388	7.85
3M88472.D	AC57099-010(	264670	4.59	246081	6.42	146462	7.85
3M88473.D	AC57475-005(	277774	4.59	246317	6.42	152093	7.85
3M88474.D	EF-3-V-1014(	292663	4.59	265904	6.42	150439	7.85
3M88475.D	EF-3-V-1014(	284174	4.59	245418	6.42	147447	7.85
3M88476.D	AC57475-006	275732	4.59	244715	6.42	145943	7.85
3M88477.D	AC57475-007	278353	4.59	243069	6.42	143390	7.85
3M88478.D	AC57099-016(	278560	4.59	241283	6.42	154061	7.85
3M88479.D	AC57099-017(	246552	4.59	218849	6.42	131096	7.85
3M88480.D	AC57099-018(	270709	4.59	245013	6.42	145024	7.85
3M88481.D	AC57097-016(	280096	4.58	241569	6.42	147991	7.84
3M88482.D	AC57097-017(	273072	4.58	243452	6.42	145331	7.84
3M88483.D	AC57097-018(	263049	4.58	245895	6.42	148022	7.84
3M88484.D	EF-3-V-1014(	267340	4.58	239994	6.42	144877	7.84
3M88485.D	AC57422-009(	288246	4.58	255308	6.42	159154	7.84
3M88486.D	AC57422-009(	279788	4.58	247127	6.42	156676	7.84
3M88487.D	BLK	259128	4.58	232216	6.42	73494 A	7.84
3M88488.D	BLK	269195	4.58	239222	6.42	138598	7.84
3M88489.D	MBS6259	285414	4.58	245358	6.42	157702	7.84
3M88490.D	MBS6260	282072	4.58	243690	6.42	156890	7.84
3M88491.D	BLK	275373	4.58	245920	6.42	145508	7.84
3M88512.D	MBS6261	284723	4.57	243092	6.41	158762	7.83
3M88513.D	BLK	274425	4.57	240698	6.40	139896	7.83
3M88514.D	BLK	270218	4.57	237050	6.40	140252	7.83
3M88515.D	BLK	277401	4.57	248565	6.41	143935	7.83
3M88516.D	BLK	278727	4.57	242401	6.40	142417	7.83
3M88517.D	BLK	271934	4.58	234442	6.41	136767	7.83

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1.4-Dichlorobenzene-d4
I4 =
I5 =
I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 3M88446.D Method: EPA 8260B

Analysis Date/Time: 02/28/11 07:40

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	299686	4.58	252458	6.41	155078	7.83						
Eval File Area Limit:	149843-599372		126229-504916		77539-310156							
Eval File Rt Limit:	4.08-5.08		5.91-6.91		7.33-8.33							

Data File	Sample						
3M88518.D	BLK	270380	4.58	246173	6.40	140494	7.83
3M88519.D	BLK	253584	4.58	237728	6.41	138250	7.83
3M88520.D	BLK	260627	4.57	231164	6.41	134327	7.83
3M88521.D	BLK	266162	4.57	239482	6.40	143999	7.83
3M88522.D	BLK	260352	4.57	236519	6.40	141474	7.83

I1 =	Fluorobenzene	I4 =		625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M63642.D Method: EPA 8260B

Analysis Date/Time: 03/02/11 14:16

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	258299	4.29	215519	6.09	130264	7.49						
Eval File Area Limit:	129150-516598		107760-431038		65132-260528							
Eval File Rt Limit:	3.79-4.79		5.59-6.59		6.99-7.99							

Data File	Sample											
2M63641.D	BLKJUG3	239177	4.29	211204	6.09	121097	7.49					
2M63643.D	BLK	249652	4.29	212370	6.09	124388	7.49					
2M63644.D	DAILY BLANK	226505	4.29	195941	6.09	117195	7.49					
2M63645.D	DAILY BLANK	266731	4.29	223398	6.09	123085	7.49					
2M63646.D	MBS6292	239085	4.28	197369	6.09	119560	7.49					
2M63647.D	MBS6293	264188	4.29	225224	6.09	125241	7.49					
2M63648.D	BLK	243100	4.29	201374	6.09	113866	7.49					
2M63650.D	AC57466-005	246593	4.29	211055	6.09	119508	7.49					
2M63651.D	AC57466-006	231963	4.29	194332	6.09	109862	7.49					
2M63652.D	AC57466-009	251537	4.28	211258	6.09	121277	7.48					
2M63653.D	AC57466-008	239229	4.28	200970	6.09	114871	7.48					
2M63654.D	AC57466-007	243465	4.28	202856	6.09	116436	7.48					
2M63655.D	AC57442-001(	248828	4.28	224174	6.09	135060	7.48					
2M63656.D	AC57471-001(	255942	4.28	222337	6.09	129061	7.48					
2M63657.D	AC57462-001(	267369	4.28	221861	6.09	138434	7.48					
2M63658.D	AC57462-001(	264371	4.28	226797	6.09	136235	7.48					
2M63659.D	BLK	256382	4.28	218756	6.09	130607	7.48					
2M63660.D	AC57392-009	256900	4.28	226512	6.09	134704	7.48					
2M63661.D	AC57487-035	241728	4.28	206580	6.09	126477	7.48					
2M63662.D	AC57490-005	239689	4.28	207699	6.09	127256	7.48					
2M63663.D	AC57490-006	258559	4.28	216467	6.09	131755	7.48					
2M63664.D	BLK	259788	4.28	223337	6.09	136249	7.48					
2M63665.D	AC57531-003	254264	4.28	219370	6.09	127304	7.48					
2M63666.D	AC57531-004	267208	4.28	221453	6.09	132267	7.48					
2M63667.D	AC57531-005	262225	4.28	225565	6.09	136832	7.48					
2M63668.D	AC57531-006	251456	4.28	212386	6.08	128952	7.48					
2M63669.D	AC57531-007	234327	4.28	201859	6.09	120772	7.48					
2M63670.D	AC57531-009	268133	4.28	222848	6.09	136197	7.48					
2M63671.D	AC57531-010	264718	4.28	222630	6.09	131469	7.48					
2M63672.D	AC57531-011	264586	4.28	218968	6.09	136756	7.48					
2M63673.D	AC57487-022(	259752	4.28	214390	6.09	131965	7.48					
2M63674.D	AC57487-024(	289211	4.28	235484	6.09	145431	7.48					
2M63675.D	AC57487-026(	287102	4.28	244255	6.09	142134	7.48					
2M63676.D	AC57487-028(	281559	4.28	237274	6.09	143736	7.48					
2M63677.D	AC57487-030(	282859	4.28	247232	6.08	152246	7.47					
2M63678.D	AC57487-034(	298545	4.28	256600	6.08	155685	7.47					
2M63679.D	AC57487-032(	282994	4.28	245139	6.08	146568	7.47					
2M63680.D	AC57512-001	277772	4.27	230901	6.08	140007	7.47					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M63684.D Method: EPA 8260B

Analysis Date/Time: 03/03/11 08:28

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	286529	4.28	251684	6.08	155165	7.47						
Eval File Area Limit:	143264-573058		125842-503368		77582-310330							
Eval File Rt Limit:	3.78-4.78		5.58-6.58		6.97-7.97							

Data File	Sample											
2M63683.D	BLK	0	0.00	0	0.00	0	0.00					
2M63685.D	BLKHCL	279788	4.28	244526	6.08	148783	7.47					
2M63686.D	DAILY BLANK	292316	4.27	249642	6.08	150908	7.47					
2M63687.D	DAILY BLANK	294312	4.28	254367	6.08	152658	7.47					
2M63688.D	MBS6305	301731	4.27	251167	6.08	156904	7.47					
2M63689.D	MBS6307	297234	4.28	247547	6.08	149301	7.47					
2M63690.D	BLK	277795	4.28	227471	6.08	134941	7.47					
2M63691.D	AC57531-013	274119	4.28	227728	6.08	134297	7.47					
2M63692.D	AC57531-012	277827	4.28	232111	6.08	140271	7.47					
2M63693.D	AC57531-008	285536	4.28	234446	6.08	138198	7.47					
2M63694.D	AC57410-007	278685	4.28	234390	6.08	140731	7.47					
2M63695.D	AC57410-008	276569	4.28	225219	6.08	141964	7.47					
2M63696.D	AC57416-020	253414	4.28	217693	6.08	130125	7.47					
2M63697.D	AC57416-005	259385	4.28	220119	6.08	134114	7.47					
2M63698.D	AC57416-006	260881	4.28	224795	6.08	132364	7.47					
2M63699.D	AC57490-006	245926	4.28	211936	6.08	125313	7.47					
2M63700.D	AC57466-002	256163	4.28	222104	6.08	133617	7.47					
2M63701.D	AC57466-001(	212574	4.27	189685	6.07	114033	7.47					
2M63702.D	AC57439-001(	231992	4.27	197323	6.08	126764	7.47					
2M63703.D	AC57516-009(	219804	4.26	205901	6.08	123245	7.47					
2M63704.D	AC57516-012(	221477	4.27	212434	6.08	132147	7.47					
2M63705.D	AC57516-016(	251100	4.27	231420	6.08	145995	7.47					
2M63706.D	AC57471-001(	291401	4.28	246893	6.08	144828	7.47					
2M63707.D	AC57471-001(	271574	4.28	232493	6.07	139609	7.47					
2M63708.D	AC57099-020(	284997	4.27	244058	6.08	144308	7.47					
2M63709.D	AC57097-020(	267945	4.27	228822	6.08	137836	7.47					
2M63710.D	EF-3-V1014(0	257465	4.28	216371	6.07	129313	7.47					
2M63711.D	AC57099-019(	276580	4.27	232221	6.08	138943	7.47					
2M63712.D	AC57097-019(	261701	4.27	227080	6.08	137685	7.47					
2M63713.D	EF-3-V-1014(	263890	4.27	225669	6.08	133552	7.47					
2M63714.D	AC57516-013(	262604	4.27	229659	6.08	138220	7.47					
2M63715.D	AC57516-014	218414	4.27	207669	6.08	125072	7.47					
2M63716.D	AC57516-015	241127	4.26	213997	6.08	130965	7.47					
2M63717.D	AC57516-007	292605	4.27	262358	6.08	166173	7.47					
2M63718.D	AC57516-008	278921	4.27	247566	6.08	154631	7.47					
2M63719.D	AC57516-010	293194	4.27	259186	6.08	149581	7.47					
2M63720.D	AC57516-011	288506	4.27	246318	6.08	142562	7.47					
2M63721.D	BLK	317642	4.27	273269	6.08	158998	7.47					
2M63722.D	BLK	315852	4.28	259242	6.08	149782	7.47					
2M63723.D	BLK	306506	4.27	255378	6.08	148640	7.47					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

SPLP
GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-001(T)
Client Id: ISSS6 small monolith (1st)
Data File: 6M65447.D
Analysis Date: 02/11/11 18:44
Date Rec/Extracted: 02/03/11-02/11/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**120**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U	1330-20-7	Xylenes (Total)	0.54	U

Worksheet #: 182563

Total Target Concentration 120

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

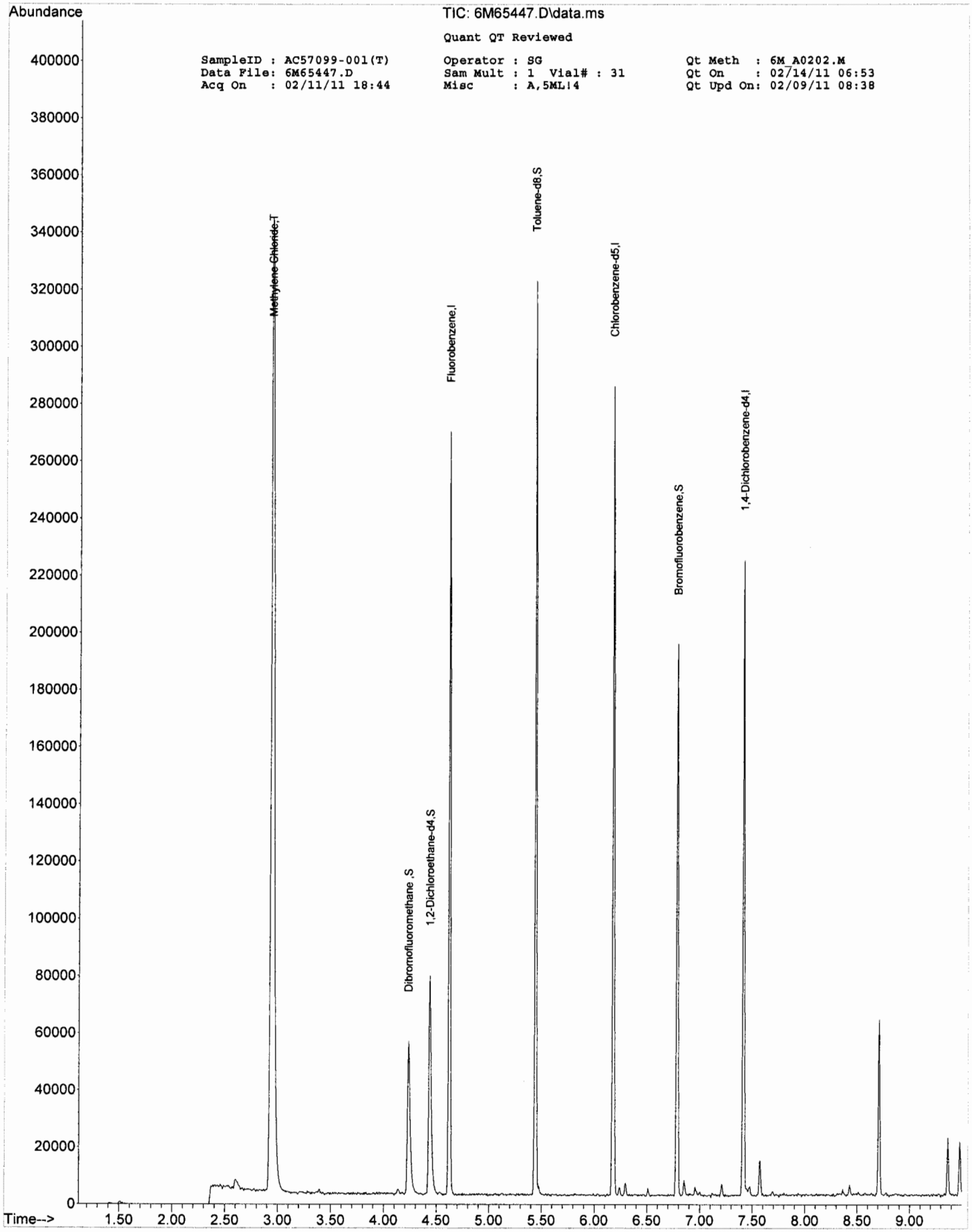
Quantitation Report (QT Reviewed)

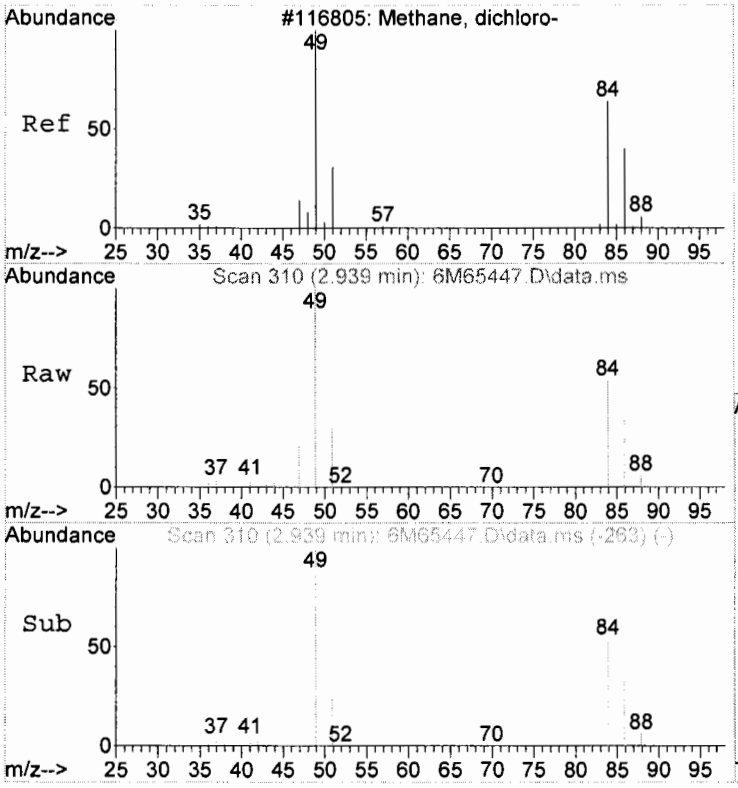
SampleID : AC57099-001(T) Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65447.D Sam Mult : 1 Vial# : 31 Qt On : 02/14/11 06:53
Acq On : 02/11/11 18:44 Misc : A,5ML!4 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.623	96	115794	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.179	117	79893	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.418	152	34034	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.232	111	33113	31.37	ug/l	-0.02
Spiked Amount 30.000			Recovery =	104.57%		
38) 1,2-Dichloroethane-d4	4.436	67	23359	31.38	ug/l	-0.01
Spiked Amount 30.000			Recovery =	104.60%		
65) Toluene-d8	5.440	98	110925	28.06	ug/l	-0.01
Spiked Amount 30.000			Recovery =	93.53%		
75) Bromofluorobenzene	6.787	174	28484	30.55	ug/l	-0.01
Spiked Amount 30.000			Recovery =	101.83%		
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	157376	117.58	ug/l	74

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

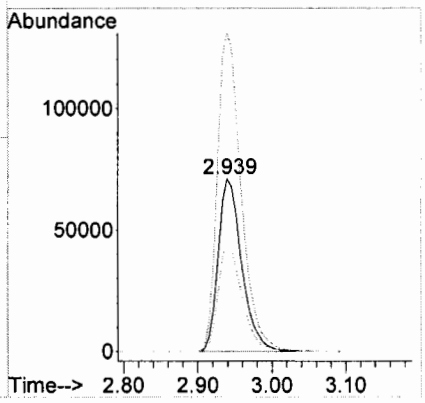

Abundance
TIC: 6M65447.D\data.ms
Quant QT Reviewed
SampleID : AC57099-001(T)
Data File: 6M65447.D
Acq On : 02/11/11 18:44
Operator : SG
Sam Mult : 1 Vial# : 31
Misc : A,5ML!4
Qt Meth : 6M_A0202.M
Qt On : 02/14/11 06:53
Qt Upd On: 02/09/11 08:38
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#15
Methylene Chloride
Concen: 117.58 ug/l
RT: 2.939 min Scan# 310
Delta R.T. -0.017 min
Lab File: 6M65447.D
Acq: 11 Feb 2011 18:44

Tgt Ion: 84 Resp: 157376

Ion	Ratio	Lower	Upper
84	100		
49	184.0	56.4	225.6
86	63.2	28.0	112.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-005(T)
Client Id: ISSS6 small monolith (5th)
Data File: 6M65543.D
Analysis Date: 02/15/11 19:40
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**230**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	**Carbon Disulfide**	**0.30**	**1.6**	1330-20-7	Xylenes (Total)	0.54	U

Worksheet #: 182563

Total Target Concentration 230

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

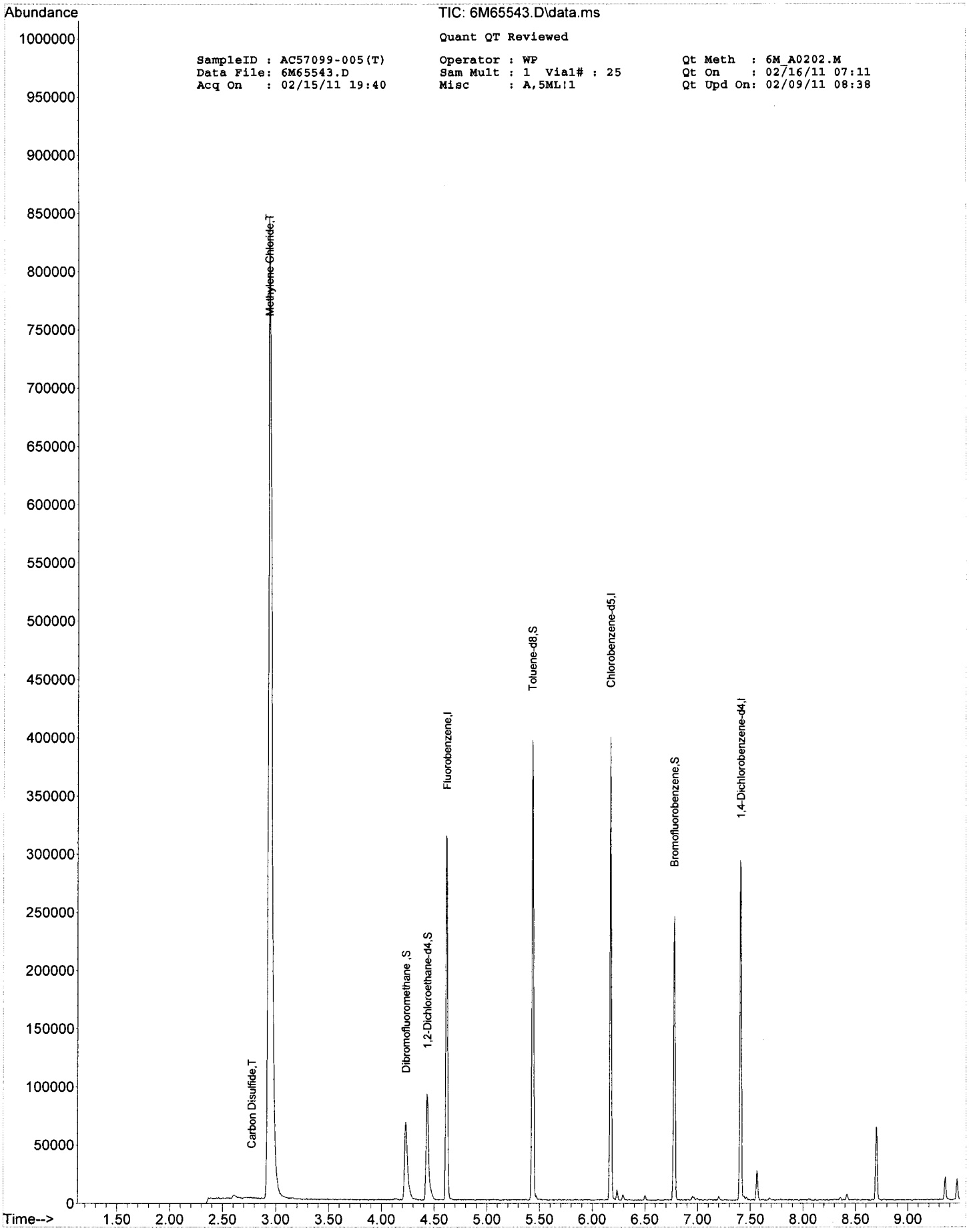
Quantitation Report (QT Reviewed)

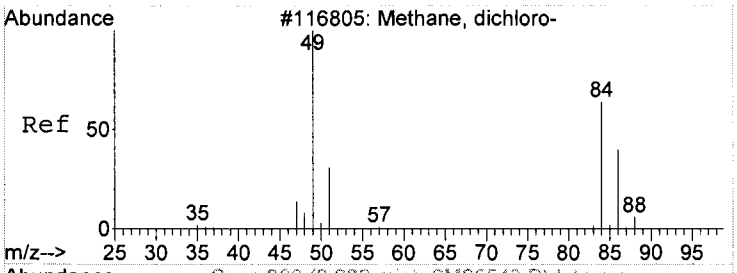
SampleID : AC57099-005(T) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65543.D Sam Mult : 1 Vial# : 25 Qt On : 02/16/11 07:11
Acq On : 02/15/11 19:40 Misc : A,5ML!1 Qt Upd On: 02/09/11 08:38

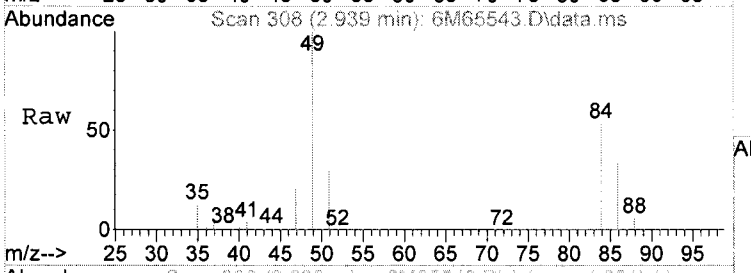
Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

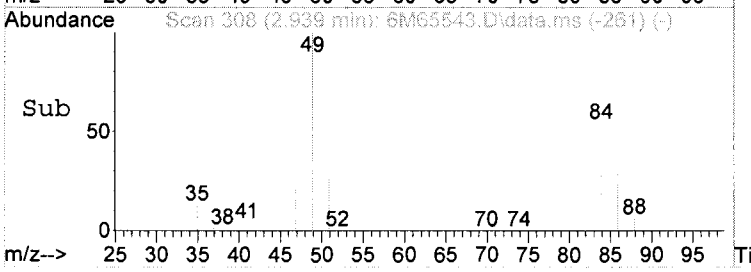
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	148652	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.173	117	108155	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.411	152	47825	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.231	111	44307	32.70	ug/l	-0.02
Spiked Amount 30.000			Recovery = 109.00%			
38) 1,2-Dichloroethane-d4	4.435	67	28674	30.01	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.03%			
65) Toluene-d8	5.433	98	142669	26.66	ug/l	-0.02
Spiked Amount 30.000			Recovery = 88.87%			
75) Bromofluorobenzene	6.780	174	38284	29.22	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.40%			
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	398697	232.04	ug/l	73
20) Carbon Disulfide	2.776	76	403	1.60	ug/l	100

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


Abundance
TIC: 6M65543.D\data.ms
Quant QT Reviewed
SampleID : AC57099-005(T)
Data File: 6M65543.D
Acq On : 02/15/11 19:40
Operator : WP
Sam Mult : 1 Vial# : 25
Misc : A,5ML;1
Qt Meth : 6M_A0202.M
Qt On : 02/16/11 07:11
Qt Upd On: 02/09/11 08:38
Carbon Disulfide,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



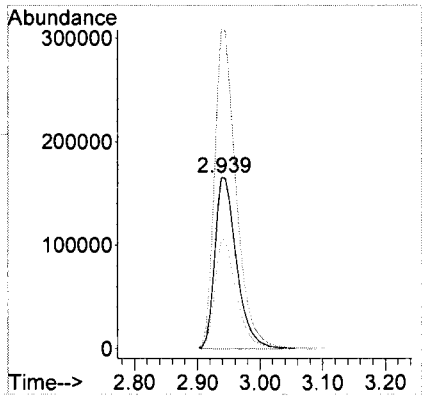


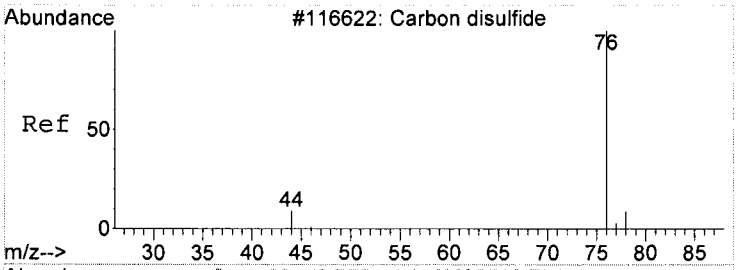


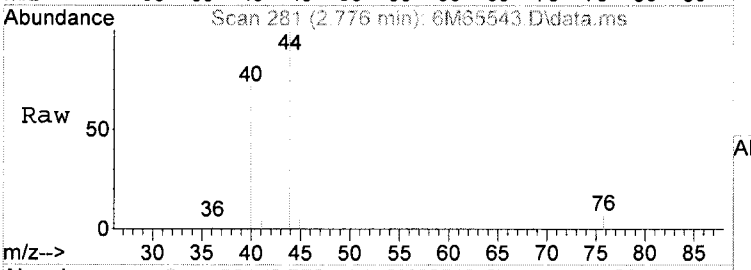
#15
Methylene Chloride
Concen: 232.04 ug/l
RT: 2.939 min Scan# 308
Delta R.T. -0.018 min
Lab File: 6M65543.D
Acq: 15 Feb 2011 19:40

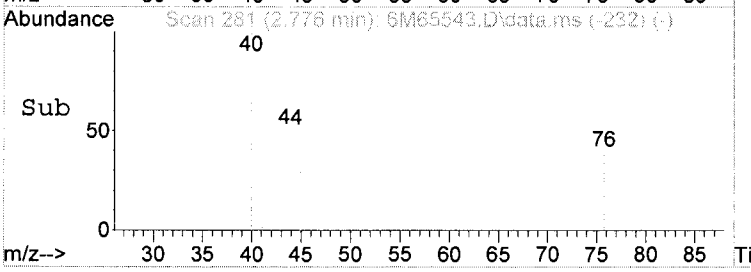
Tgt Ion: 84 Resp: 398697

Ion	Ratio	Lower	Upper
84	100		
49	186.0	56.4	225.6
86	63.3	28.0	112.0



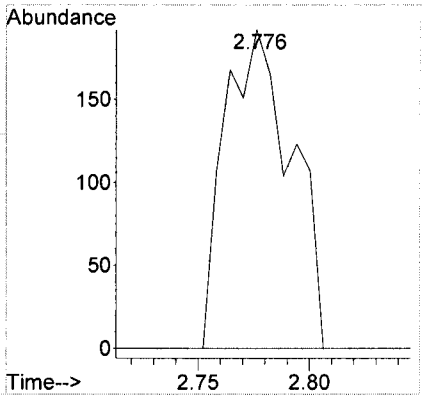






#20
Carbon Disulfide
Concen: 1.60 ug/l
RT: 2.776 min Scan# 281
Delta R.T. -0.006 min
Lab File: 6M65543.D
Acq: 15 Feb 2011 19:40

Tgt Ion: 76 Resp: 403



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-010(T)
Client Id: ISSS6 small monolith (10th)
Data File: 3M88080.D
Analysis Date: 02/22/11 13:57
Date Rec/Extracted: 02/03/11-02/22/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.6**	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	**100-41-4**	**Ethylbenzene**	**0.65**	**2.2**
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**0.67 J**	**136777612**	**m&p-Xylenes**	**0.75**	**2.6**
541-73-1	1,3-Dichlorobenzene	0.42	U	142-28-9	1,3-Dichloropropane	0.51	U
1634-04-4	Methyl-t-butyl ether	0.31	U	106-46-7	1,4-Dichlorobenzene	0.33	U
104-51-8	n-Butylbenzene	0.48	U	123-91-1	1,4-Dioxane	27	U
103-65-1	n-Propylbenzene	0.34	U	78-93-3	2-Butanone	0.90	U
95-47-6	**o-Xylene**	**0.54**	**1.7**	110-75-8	2-Chloroethylvinylether	0.86	U
135-98-8	sec-Butylbenzene	0.47	U	591-78-6	2-Hexanone	0.46	U
100-42-5	Styrene	0.33	U	99-87-6	4-Isopropyltoluene	0.49	U
75-65-0	t-Butyl Alcohol	5.0	U	108-10-1	4-Methyl-2-Pentanone	0.85	U
98-06-6	t-Butylbenzene	0.25	U	**67-64-1**	**Acetone**	**4.0**	**16**
127-18-4	Tetrachloroethene	0.33	U	107-02-8	Acrolein	2.9	U
108-88-3	**Toluene**	**0.40**	**0.54 J**	107-13-1	Acrylonitrile	0.92	U
156-60-5	trans-1,2-Dichloroethene	0.81	U	**71-43-2**	**Benzene**	**0.37**	**0.41 J**
10061-02-6	trans-1,3-Dichloropropene	0.61	U	75-27-4	Bromodichloromethane	0.43	U
79-01-6	Trichloroethene	0.45	U	75-25-2	Bromoform	0.29	U
75-69-4	Trichlorofluoromethane	0.86	U	74-83-9	Bromomethane	0.97	U
75-01-4	Vinyl Chloride	0.85	U	**75-15-0**	**Carbon Disulfide**	**0.30**	**0.43 J**
1330-20-7	**Xylenes (Total)**	**0.54**	**4.3**				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

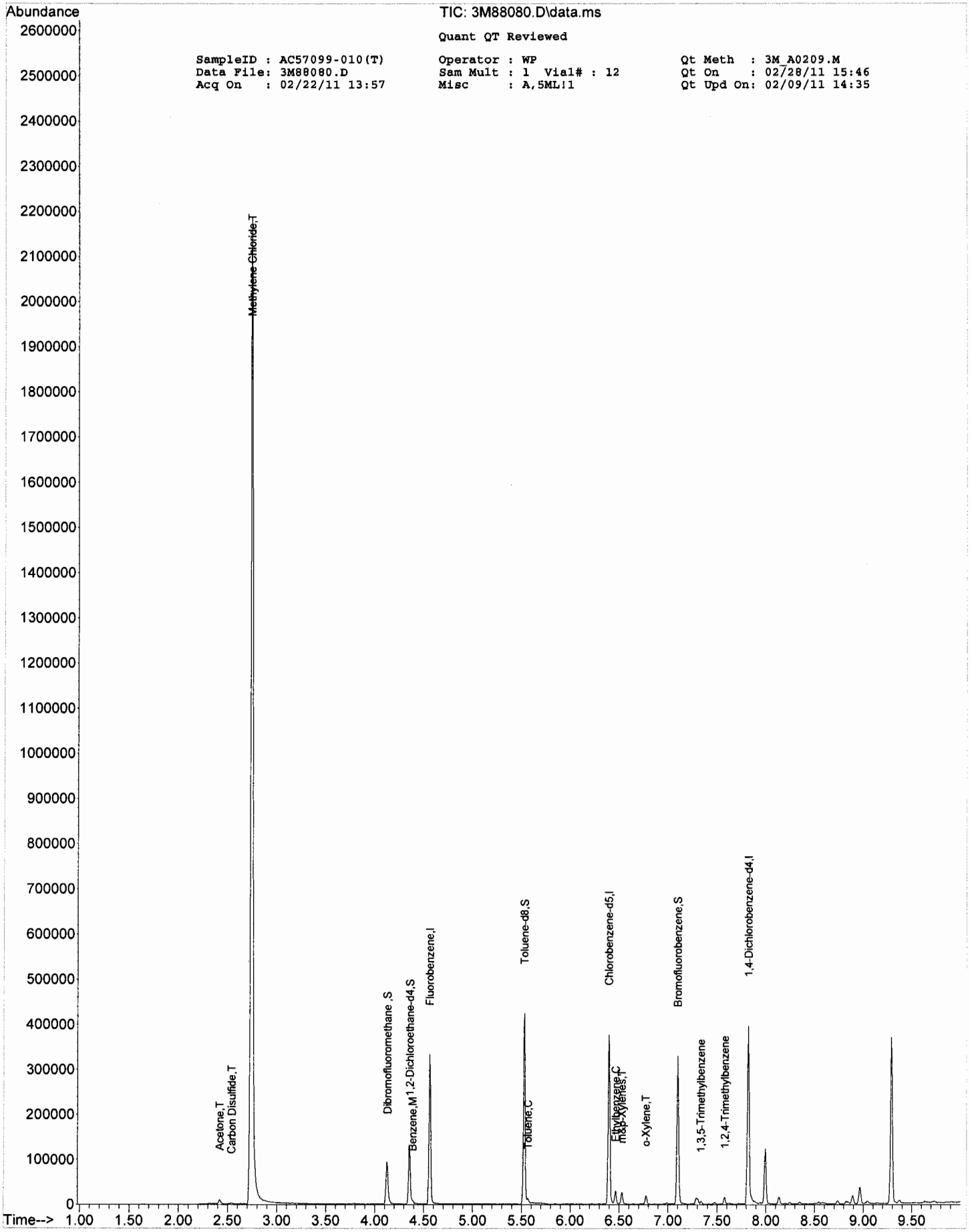
Quantitation Report (QT Reviewed)

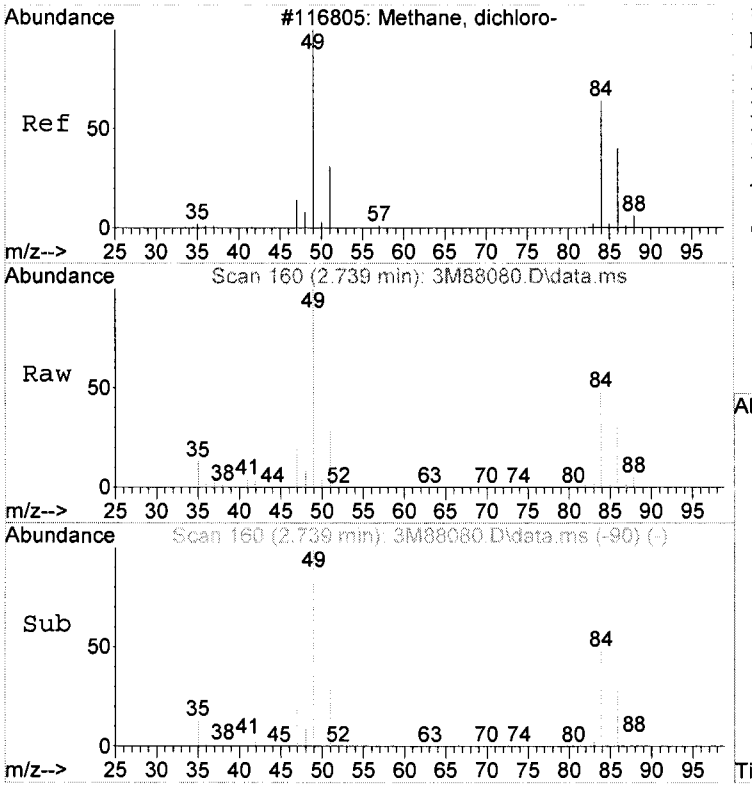
SampleID : AC57099-010(T) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88080.D Sam Mult : 1 Vial# : 12 Qt On : 02/28/11 15:46
Acq On : 02/22/11 13:57 Misc : A,5ML!1 Qt Upd On: 02/09/11 14:35

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	164150	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	147776	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.820	152	88745	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.128	111	44451	32.12	ug/l	0.02
Spiked Amount 30.000			Recovery = 107.07%			
35) 1,2-Dichloroethane-d4	4.357	102	10092	32.01	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.70%			
59) Toluene-d8	5.529	100	114628	28.12	ug/l	0.01
Spiked Amount 30.000			Recovery = 93.73%			
67) Bromofluorobenzene	7.099	174	77882	29.43	ug/l	0.01
Spiked Amount 30.000			Recovery = 98.10%			
Target Compounds						Qvalue
13) Methylene Chloride	2.739	84	632610	553.14	ug/l	96
17) Acetone	2.421	43	9063	16.03	ug/l	93
18) Carbon Disulfide	2.541	76	1413	0.43	ug/l	100
46) Benzene	4.387	78	2138	0.41	ug/l	100
60) Toluene	5.565	92	1918	0.54	ug/l	89
65) Ethylbenzene	6.467	106	3269	2.24	ug/l	83
69) m&p-Xylenes	6.528	106	4988	2.55	ug/l	90
70) o-Xylene	6.774	106	3536	1.70	ug/l	90
84) 1,3,5-Trimethylbenzene	7.333	105	2721	0.67	ug/l	97
86) 1,2,4-Trimethylbenzene	7.580	105	6612	1.56	ug/l	85

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

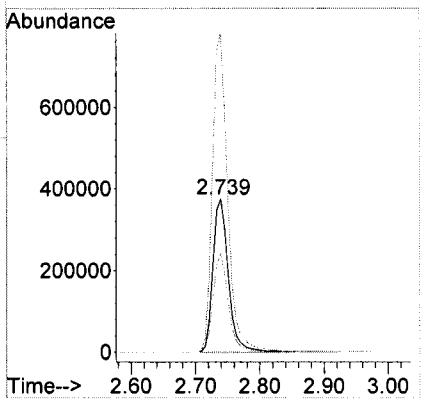

Abundance
TIC: 3M88080.D\data.ms
Quant QT Reviewed
SampleID : AC57099-010(T)
Data File: 3M88080.D
Acq On : 02/22/11 13:57
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML!1
Qt Meth : 3M_A0209.M
Qt On : 02/28/11 15:46
Qt Upd On: 02/09/11 14:35
Acetone,T
Carbon Disulfide,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene,C
Toluene-d8,S
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

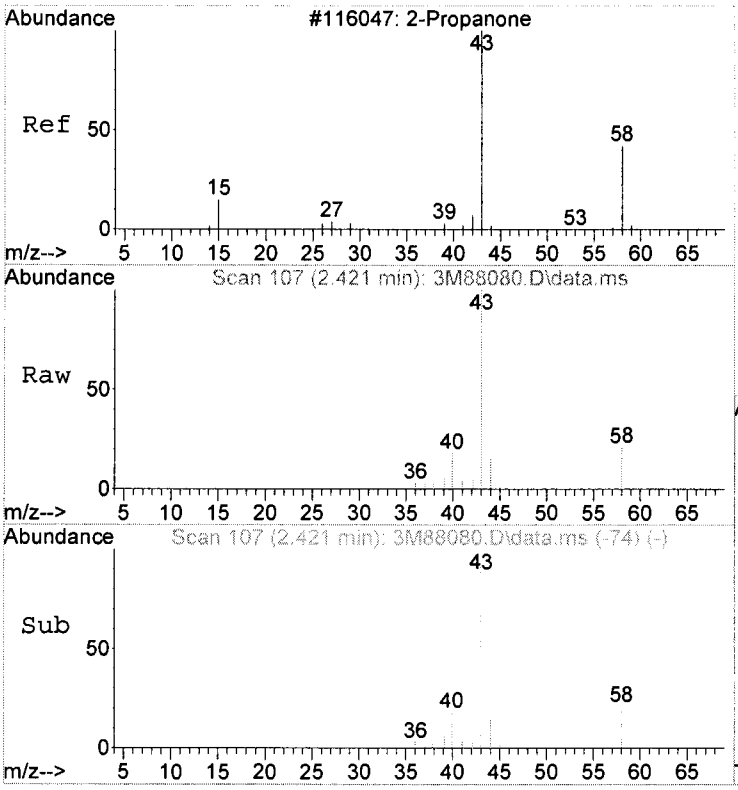


#13
Methylene Chloride
Concen: 553.14 ug/l
RT: 2.739 min Scan# 160
Delta R.T. 0.018 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion: 84 Resp: 632610

Ion	Ratio	Lower	Upper
84	100		
49	208.5	102.1	306.1
86	64.3	41.7	97.3

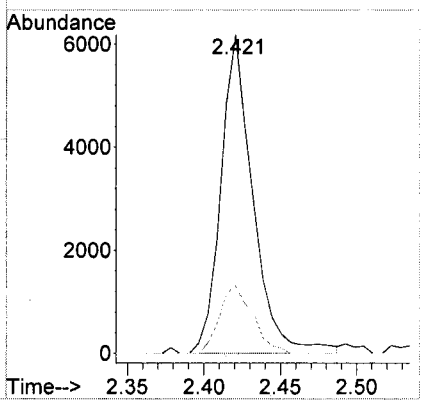


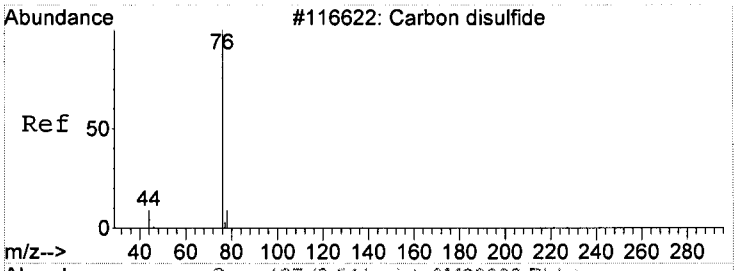


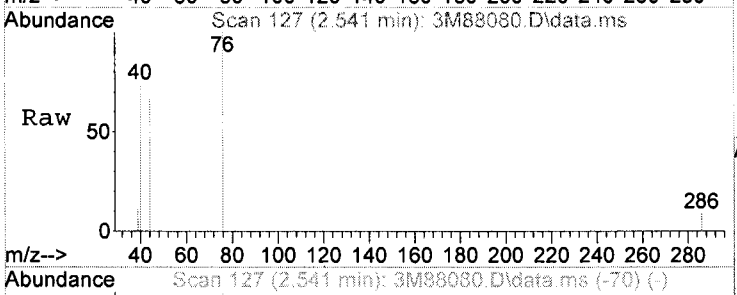
#17
Acetone
Concen: 16.03 ug/l
RT: 2.421 min Scan# 107
Delta R.T. 0.018 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

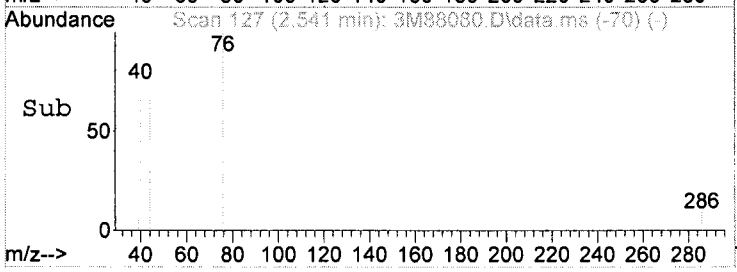
Tgt Ion: 43 Resp: 9063

Ion	Ratio	Lower	Upper
43	100		
58	21.1	0.0	64.8



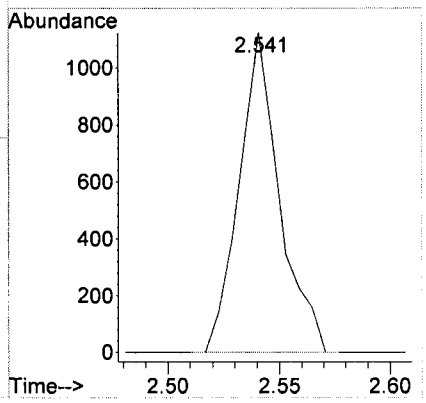


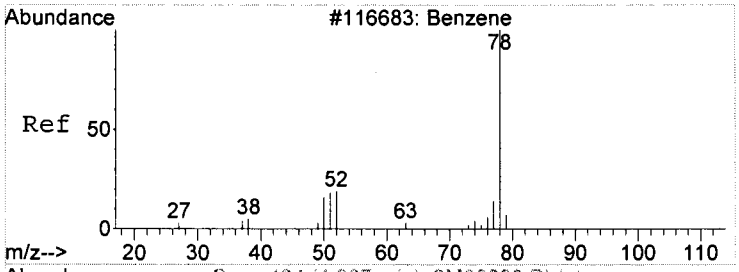


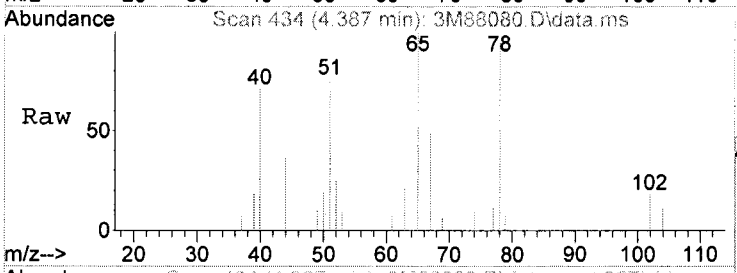


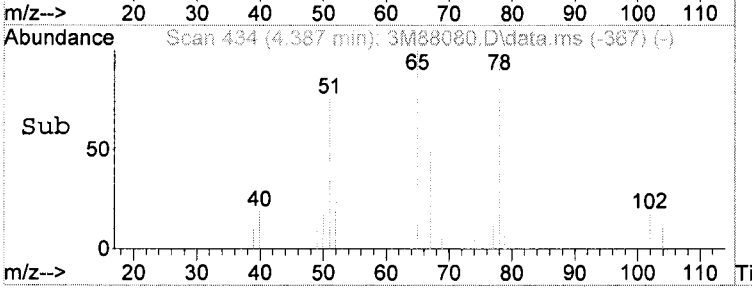
#18
Carbon Disulfide
Concen: 0.43 ug/l
RT: 2.541 min Scan# 127
Delta R.T. 0.018 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion: 76 Resp: 1413



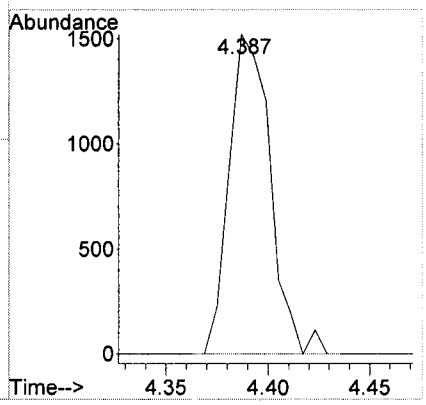


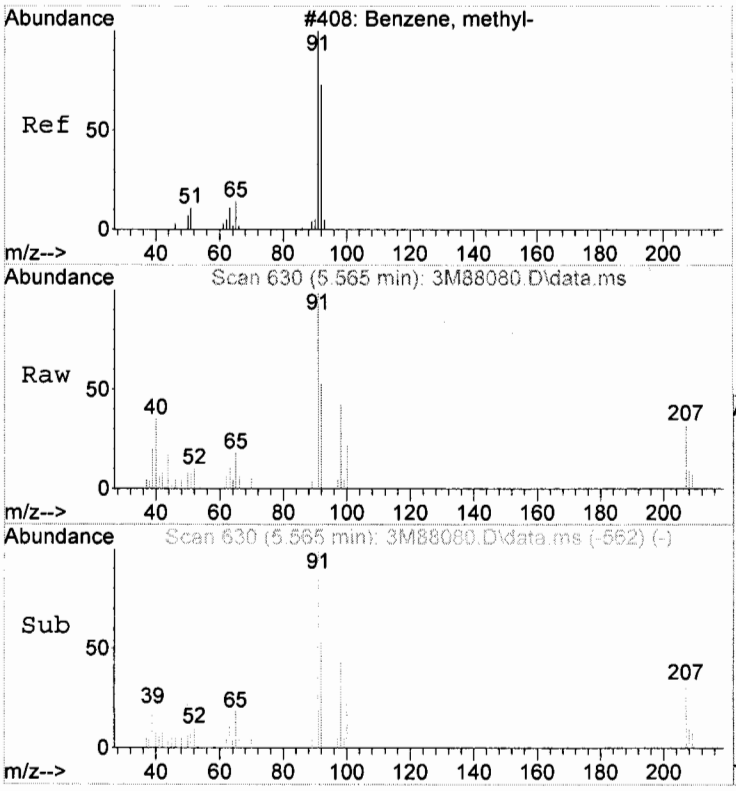




#46
Benzene
Concen: 0.41 ug/l
RT: 4.387 min Scan# 434
Delta R.T. 0.006 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion: 78 Resp: 2138

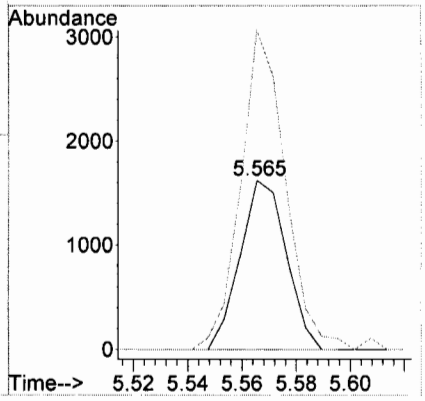


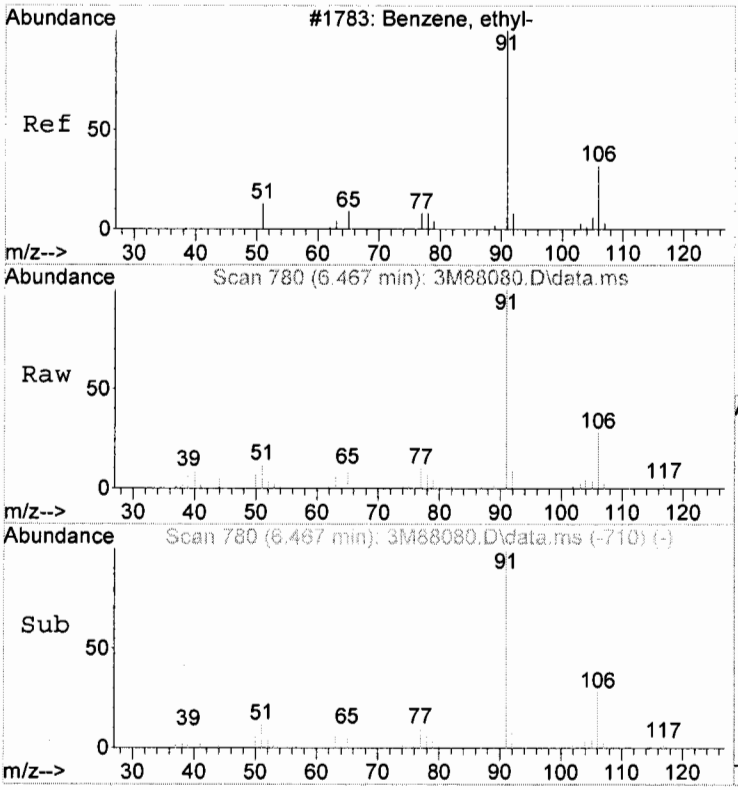


#60
Toluene
Concen: 0.54 ug/l
RT: 5.565 min Scan# 630
Delta R.T. 0.012 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion: 92 Resp: 1918

Ion	Ratio	Lower	Upper
92	100		
91	188.9	104.1	242.9

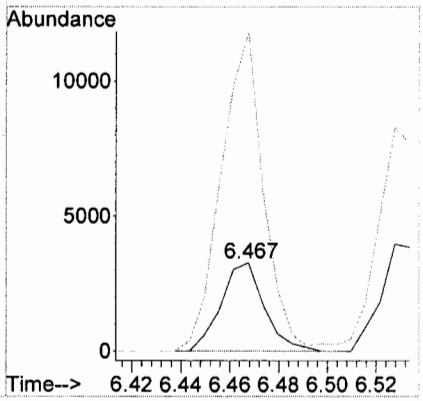


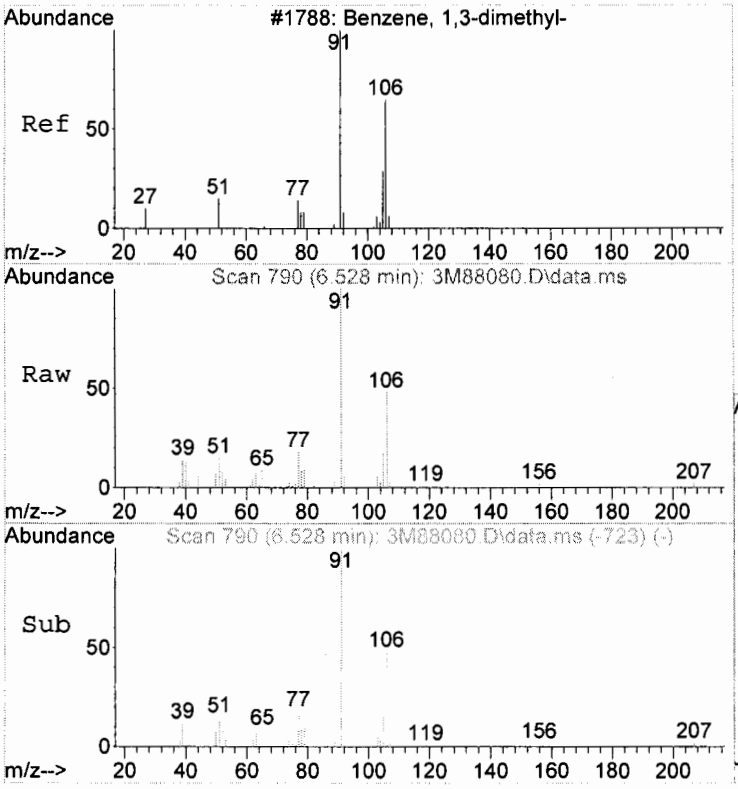


#65
Ethylbenzene
Concen: 2.24 ug/l
RT: 6.467 min Scan# 780
Delta R.T. 0.018 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion:106 Resp: 3269

Ion	Ratio	Lower	Upper
106	100		
91	354.7	191.5	446.7

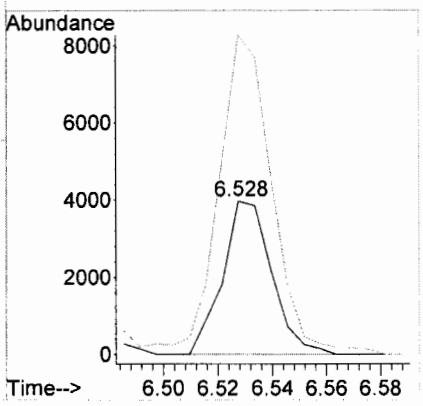


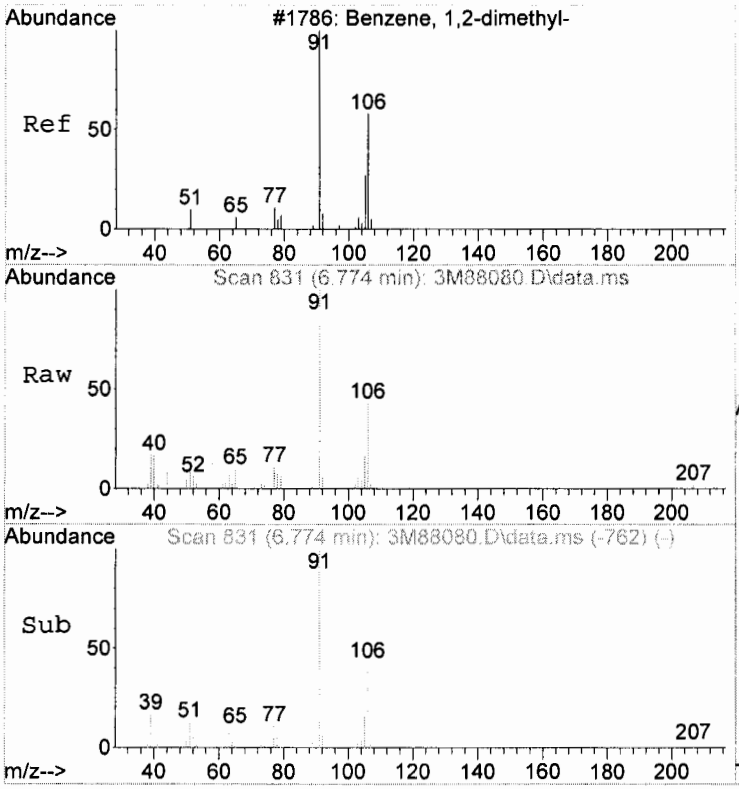


#69
m&p-Xylenes
Concen: 2.55 ug/l
RT: 6.528 min Scan# 790
Delta R.T. 0.006 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion:106 Resp: 4988

Ion	Ratio	Lower	Upper
106	100		
91	203.7	132.0	308.0

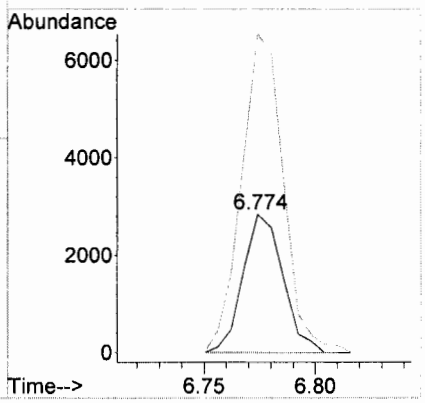


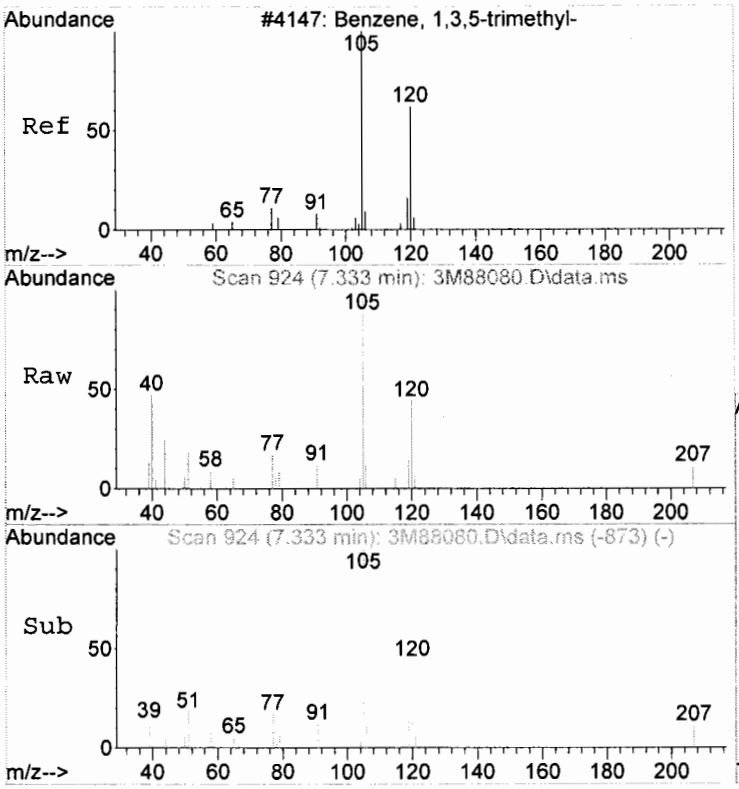


#70
o-Xylene
Concen: 1.70 ug/l
RT: 6.774 min Scan# 831
Delta R.T. 0.012 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion:106 Resp: 3536

Ion	Ratio	Lower	Upper
106	100		
91	230.3	129.1	301.1

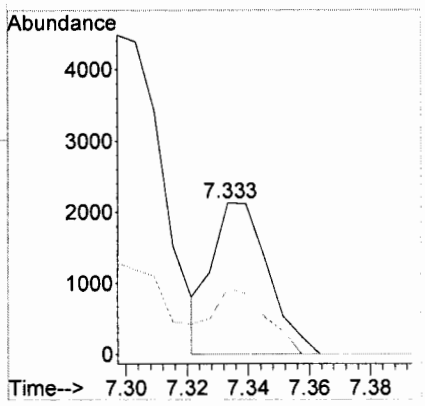


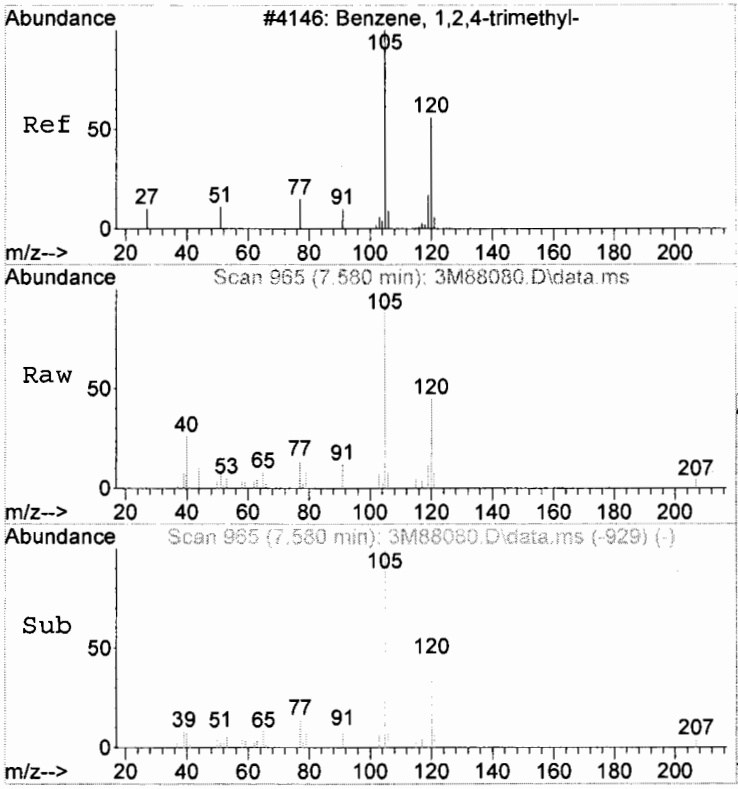


#84
1,3,5-Trimethylbenzene
Concen: 0.67 ug/l
RT: 7.333 min Scan# 924
Delta R.T. 0.006 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion:105 Resp: 2721

Ion	Ratio	Lower	Upper
105	100		
120	41.3	23.0	63.0

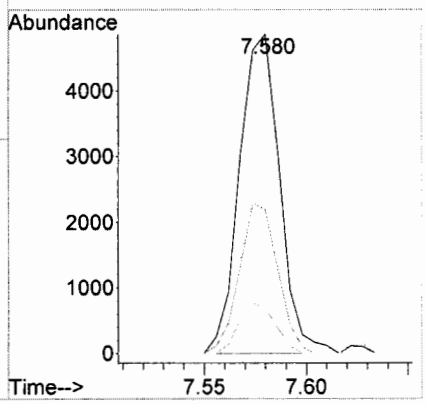




#86
1,2,4-Trimethylbenzene
Concen: 1.56 ug/l
RT: 7.580 min Scan# 965
Delta R.T. 0.018 min
Lab File: 3M88080.D
Acq: 22 Feb 2011 13:57

Tgt Ion:105 Resp: 6612

Ion	Ratio	Lower	Upper
105	100		
120	44.8	12.2	92.2
77	14.2	0.0	66.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-010(5X)
Client Id: ISSS6 small monolith (10th)
Data File: 3M88472.D
Analysis Date: 02/28/11 15:04
Date Rec/Extracted: 02/03/11-02/22/11
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 5.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
75-09-2	**Methylene Chloride**	**3.9**	**740**				

Worksheet #: 182568

Total Target Concentration 740

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

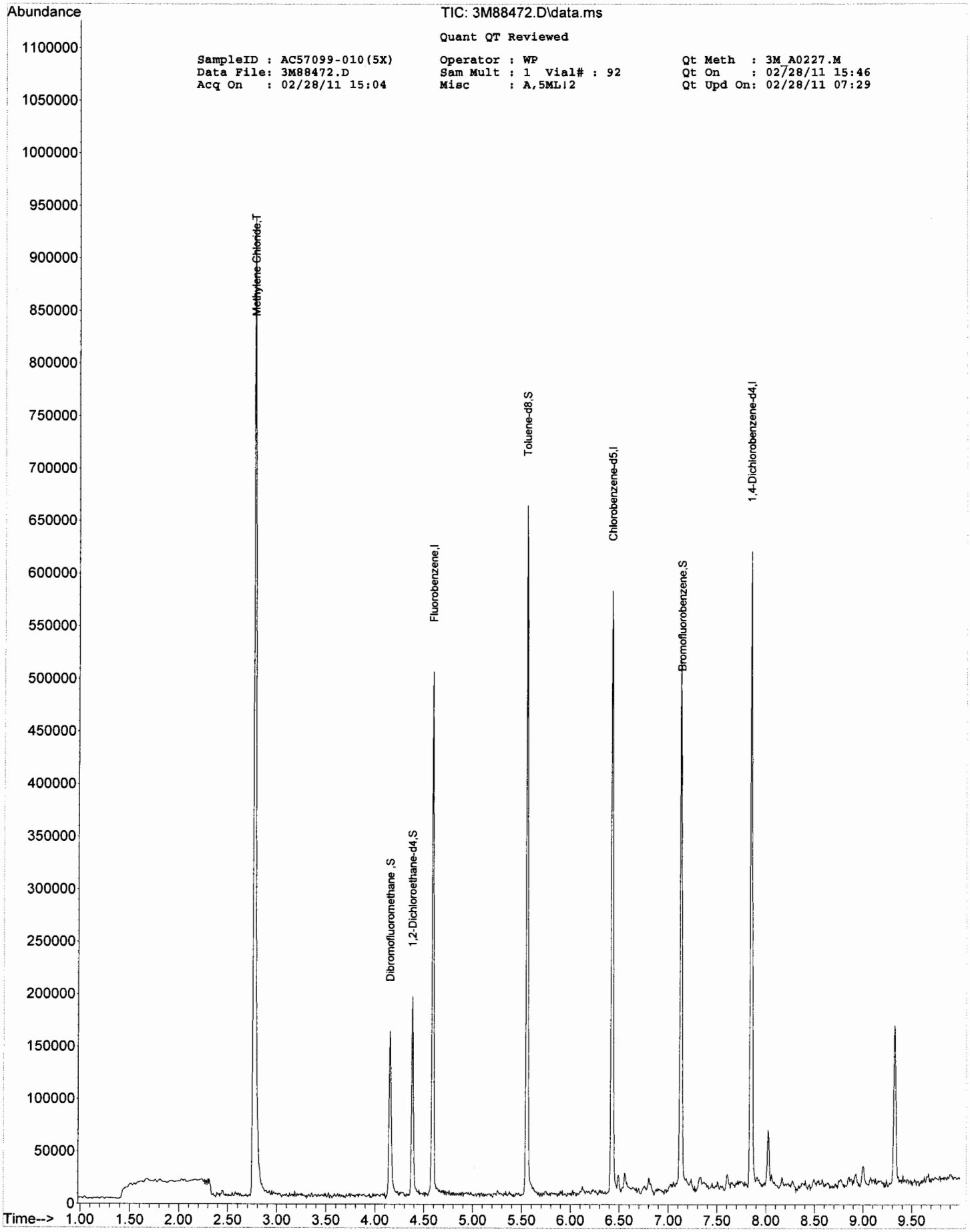
Quantitation Report (QT Reviewed)

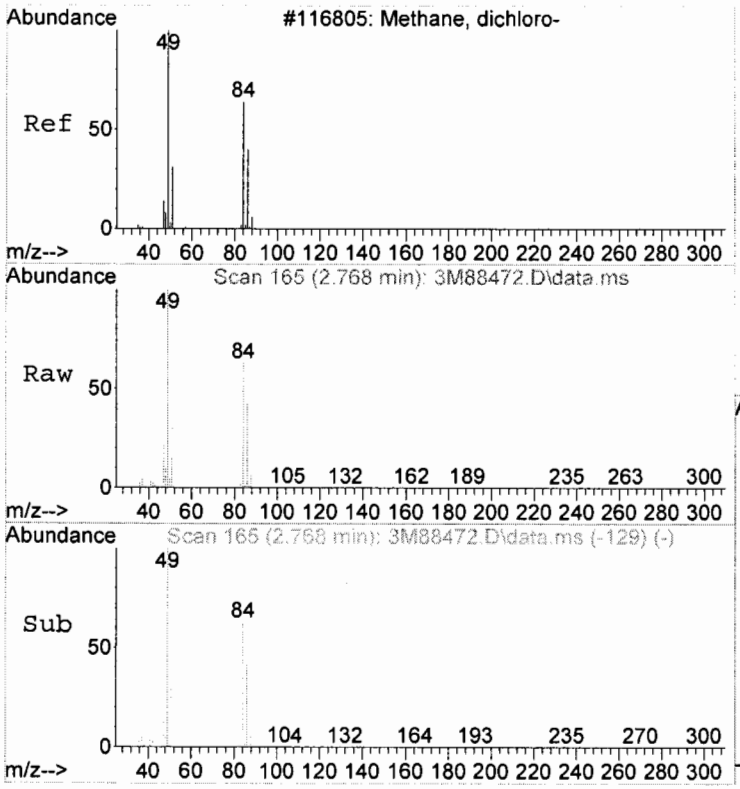
SampleID : AC57099-010(5X) Operator : WP Qt Meth : 3M_A0227.M
Data File: 3M88472.D Sam Mult : 1 Vial# : 92 Qt On : 02/28/11 15:46
Acq On : 02/28/11 15:04 Misc : A,5ML!2 Qt Upd On: 02/28/11 07:29

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-28-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.589	96	264670	30.00	ug/l	0.02
51) Chlorobenzene-d5	6.422	117	246081	30.00	ug/l	0.02
69) 1,4-Dichlorobenzene-d4	7.846	152	146462	30.00	ug/l	0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.151	111	73670	30.90	ug/l	0.02
Spiked Amount 30.000			Recovery = 103.00%			
38) 1,2-Dichloroethane-d4	4.379	67	45141	30.77	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.57%			
65) Toluene-d8	5.551	98	296895	28.27	ug/l	0.02
Spiked Amount 30.000			Recovery = 94.23%			
75) Bromofluorobenzene	7.131	174	129349	28.01	ug/l	0.02
Spiked Amount 30.000			Recovery = 93.37%			
Target Compounds						Qvalue
15) Methylene Chloride	2.768	84	329584	147.73	ug/l	89

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

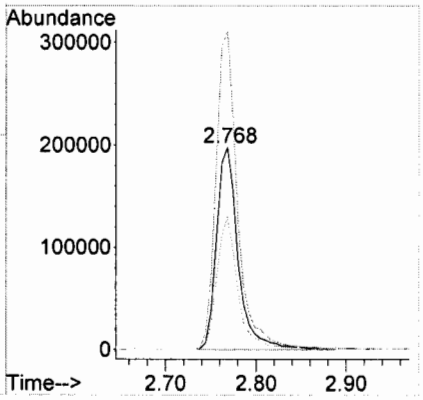

Abundance
TIC: 3M88472.D\data.ms
Quant QT Reviewed
SampleID : AC57099-010(5X)
Data File: 3M88472.D
Acq On : 02/28/11 15:04
Operator : WP
Sam Mult : 1 Vial# : 92
Misc : A,5ML,2
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 15:46
Qt Upd On: 02/28/11 07:29
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#15
Methylene Chloride
Concen: 147.73 ug/l
RT: 2.768 min Scan# 165
Delta R.T. 0.018 min
Lab File: 3M88472.D
Acq: 28 Feb 2011 15:04

Tgt Ion: 84 Resp: 329584

Ion	Ratio	Lower	Upper
84	100		
49	157.8	56.4	225.6
86	65.6	28.0	112.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-015(T)
Client Id: ISSS6 small monolith (15th)
Data File: 3M88319.D
Analysis Date: 02/25/11 16:49
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**1.1**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**130**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**18**	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	**108-88-3**	**Toluene**	**0.40**	**1.0**	**0.52J**
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**1.1**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

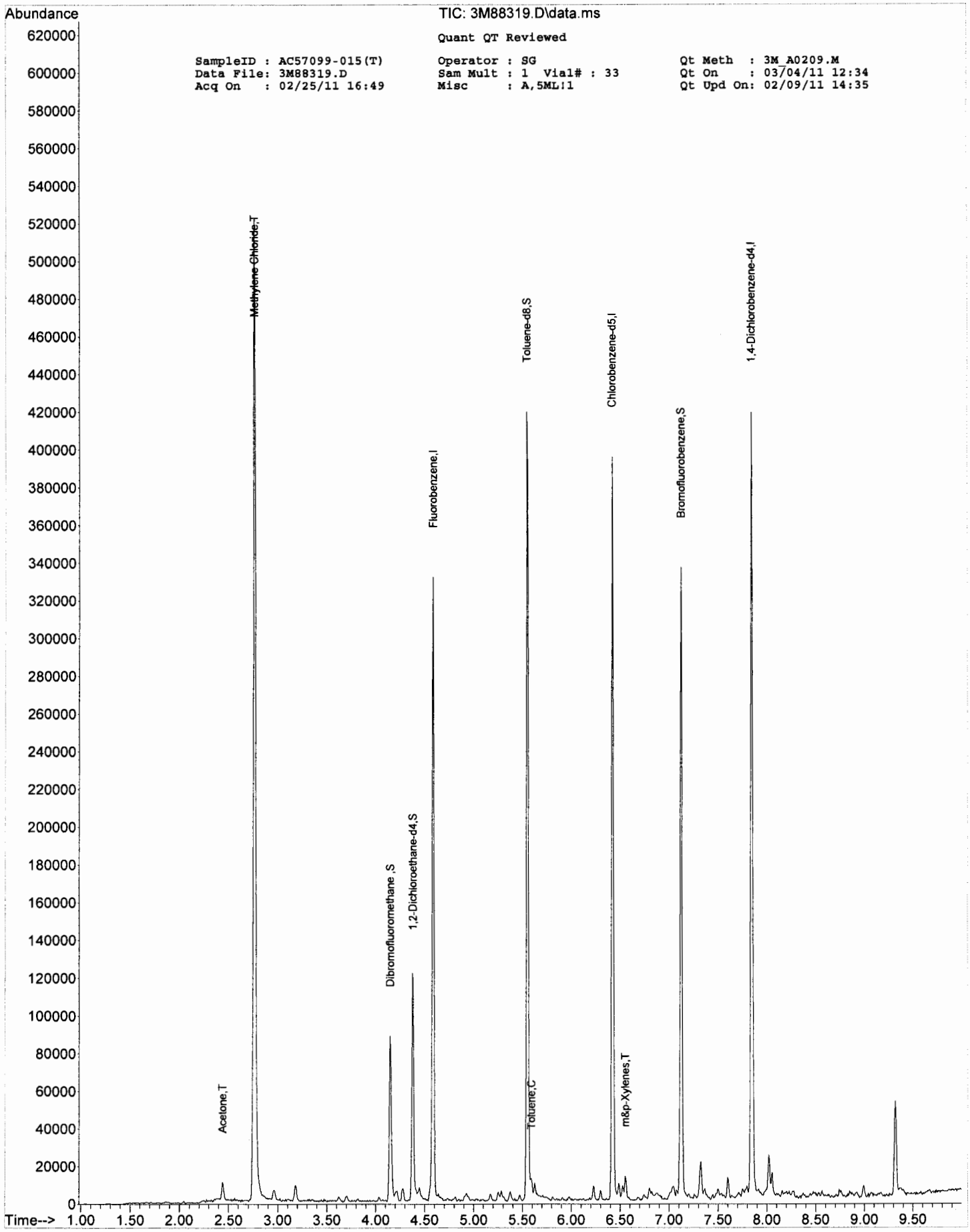
Quantitation Report (QT Reviewed)

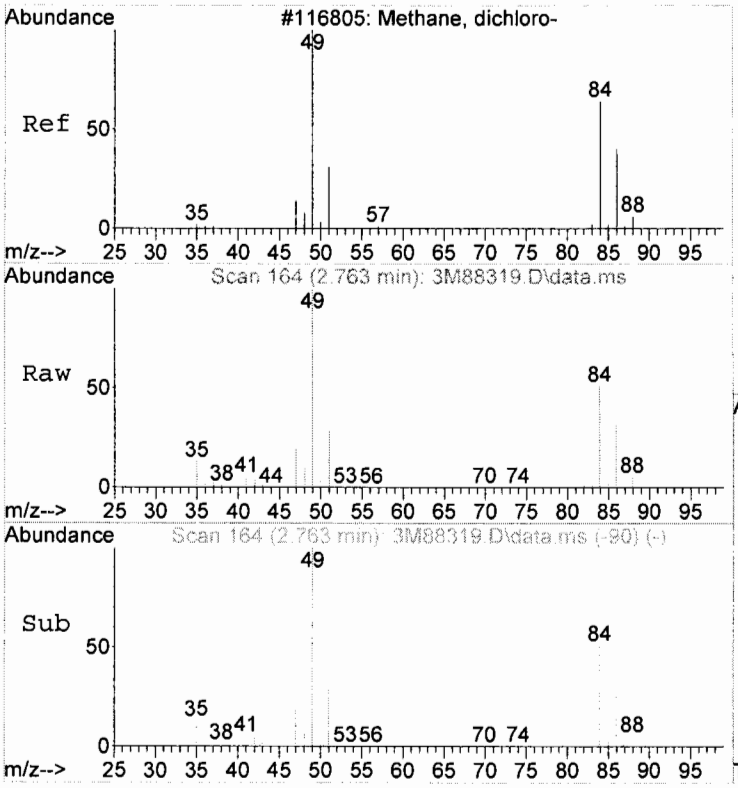
SampleID : AC57099-015(T) Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88319.D Sam Mult : 1 Vial# : 33 Qt On : 03/04/11 12:34
Acq On : 02/25/11 16:49 Misc : A,5ML!1 Qt Upd On: 02/09/11 14:35

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.585	96	156694	30.00	ug/l	0.04
48) Chlorobenzene-d5	6.419	117	145177	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.844	152	90774	30.00	ug/l	0.04
System Monitoring Compounds						
33) Dibromofluoromethane	4.146	111	38456	29.11	ug/l	0.04
Spiked Amount 30.000			Recovery =	97.03%		
35) 1,2-Dichloroethane-d4	4.381	102	9420	31.30	ug/l	0.04
Spiked Amount 30.000			Recovery =	104.33%		
59) Toluene-d8	5.547	100	112835	28.18	ug/l	0.03
Spiked Amount 30.000			Recovery =	93.93%		
67) Bromofluorobenzene	7.123	174	74648	27.58	ug/l	0.04
Spiked Amount 30.000			Recovery =	91.93%		
Target Compounds						Qvalue
13) Methylene Chloride	2.763	84	139078	127.39	ug/l	94
17) Acetone	2.438	43	9493	17.59	ug/l	95
60) Toluene	5.589	92	1820	0.52	ug/l	95
69) m&p-Xylenes	6.552	106	2127	1.06	ug/l	88

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

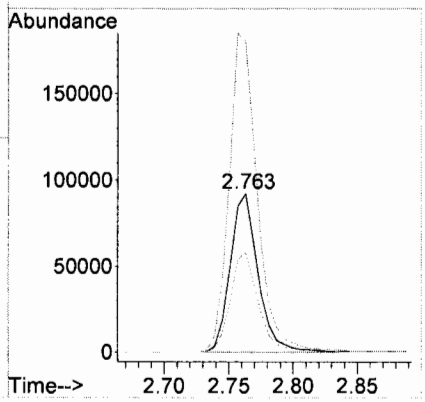

Abundance
TIC: 3M88319.D\data.ms
Quant QT Reviewed
SampleID : AC57099-015(T)
Data File: 3M88319.D
Acq On : 02/25/11 16:49
Operator : SG
Sam Mult : 1 Vial# : 33
Misc : A,5ML!1
Qt Meth : 3M_A0209.M
Qt On : 03/04/11 12:34
Qt Upd On: 02/09/11 14:35
Acetone,T
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene,C
Toluene-d8,S
m&p-Xylenes,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

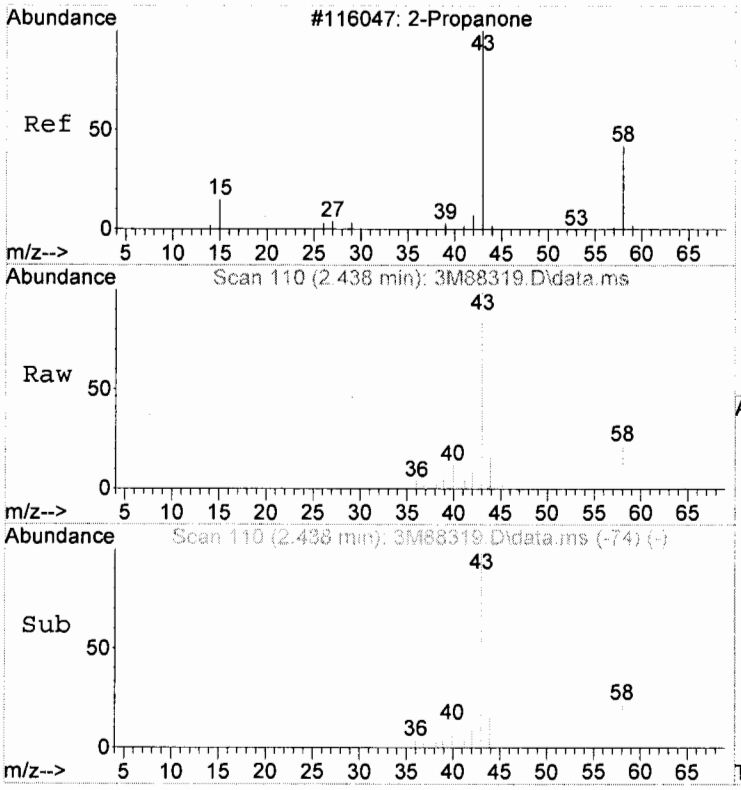


#13
Methylene Chloride
Concen: 127.39 ug/l
RT: 2.763 min Scan# 164
Delta R.T. 0.042 min
Lab File: 3M88319.D
Acq: 25 Feb 2011 16:49

Tgt Ion: 84 Resp: 139078

Ion	Ratio	Lower	Upper
84	100		
49	195.6	102.1	306.1
86	62.9	41.7	97.3

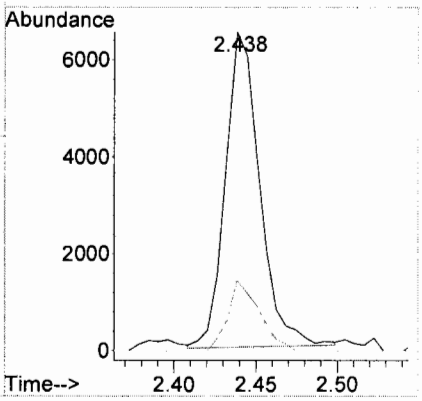


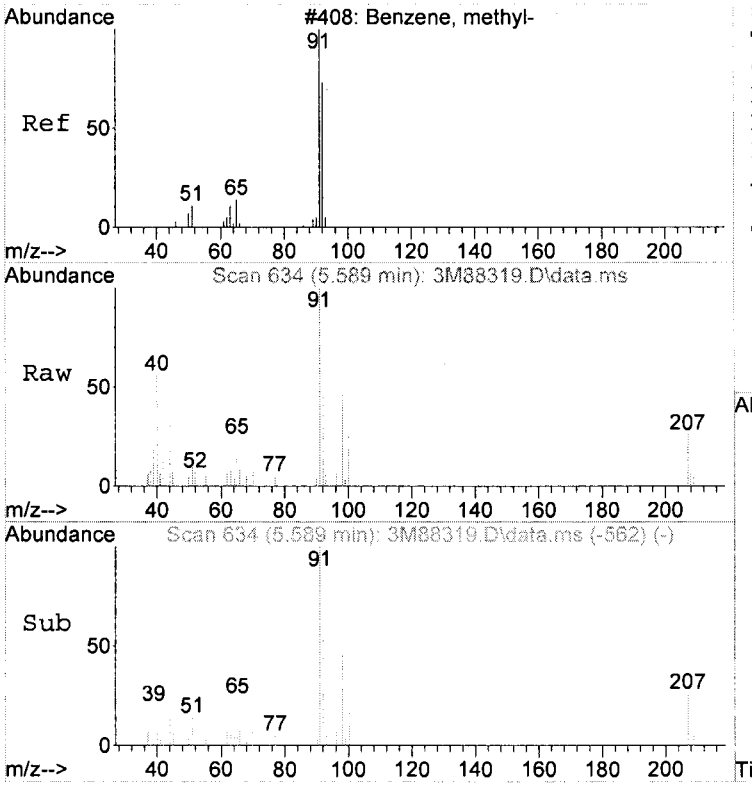


#17
Acetone
Concen: 17.59 ug/l
RT: 2.438 min Scan# 110
Delta R.T. 0.035 min
Lab File: 3M88319.D
Acq: 25 Feb 2011 16:49

Tgt Ion: 43 Resp: 9493

Ion	Ratio	Lower	Upper
43	100		
58	22.4	0.0	64.8

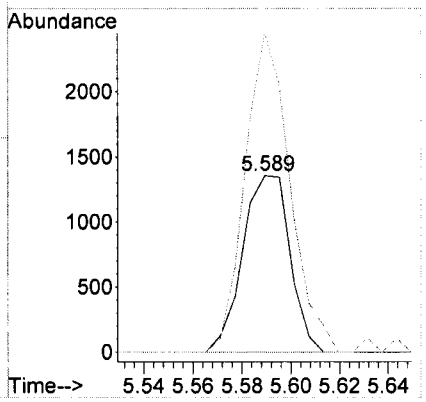


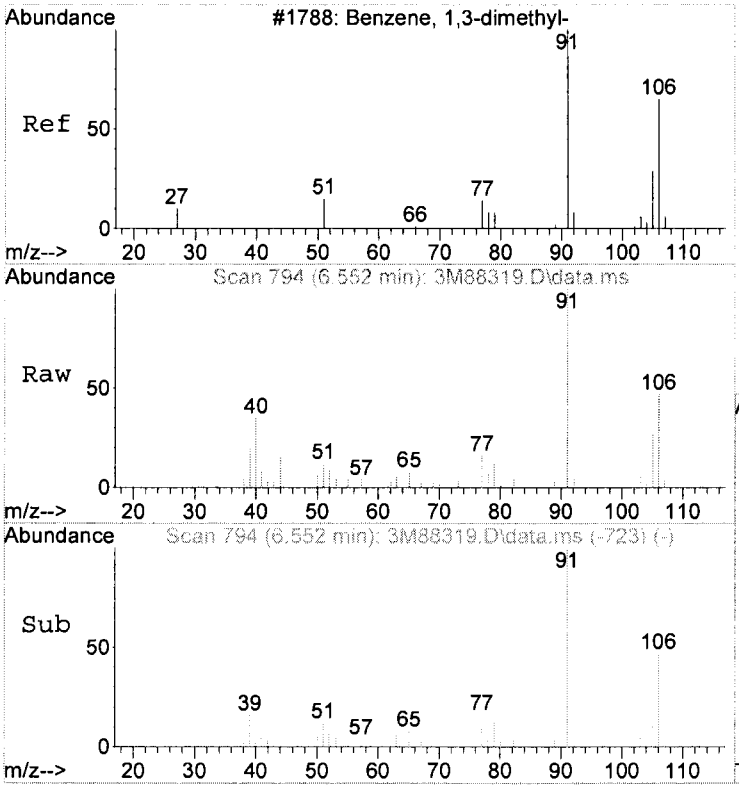


#60
Toluene
Concen: 0.52 ug/l
RT: 5.589 min Scan# 634
Delta R.T. 0.035 min
Lab File: 3M88319.D
Acq: 25 Feb 2011 16:49

Tgt Ion: 92 Resp: 1820

Ion	Ratio	Lower	Upper
92	100		
91	180.8	104.1	242.9

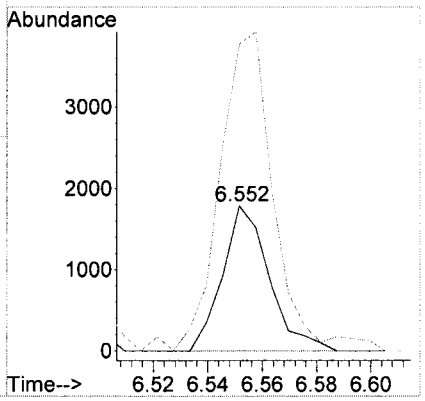




#69
m&p-Xylenes
Concen: 1.06 ug/l
RT: 6.552 min Scan# 794
Delta R.T. 0.030 min
Lab File: 3M88319.D
Acq: 25 Feb 2011 16:49

Tgt Ion:106 Resp: 2127

Ion	Ratio	Lower	Upper
106	100		
91	201.5	132.0	308.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: AC57099-020(T)
Client Id: ISSS6 small monolith (20th)
Data File: 2M63708.D
Analysis Date: 03/03/11 15:16
Date Rec/Extracted: 02/03/11-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	**67-66-3**	**Chloroform**	**0.36**	**1.0**	**0.67 J**
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.24**	**1.0**	**3.6**	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	**100-41-4**	**Ethylbenzene**	**0.65**	**1.0**	**2.7**
78-87-5	1,2-Dichloropropane	0.37	1.0	U	**98-82-8**	**Isopropylbenzene**	**0.42**	**1.0**	**0.44 J**
108-67-8	**1,3,5-Trimethylbenzene**	**0.58**	**1.0**	**1.3**	**136777612**	**m&p-Xylenes**	**0.75**	**1.0**	**3.5**
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**320**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	**103-65-1**	**n-Propylbenzene**	**0.34**	**1.0**	**0.45 J**
78-93-3	2-Butanone	0.90	1.0	U	**95-47-6**	**o-Xylene**	**0.54**	**1.0**	**1.8**
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**37**	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	**108-88-3**	**Toluene**	**0.40**	**1.0**	**0.49 J**
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U	**1330-20-7**	**Xylenes (Total)**	**0.54**	**1.0**	**5.3**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

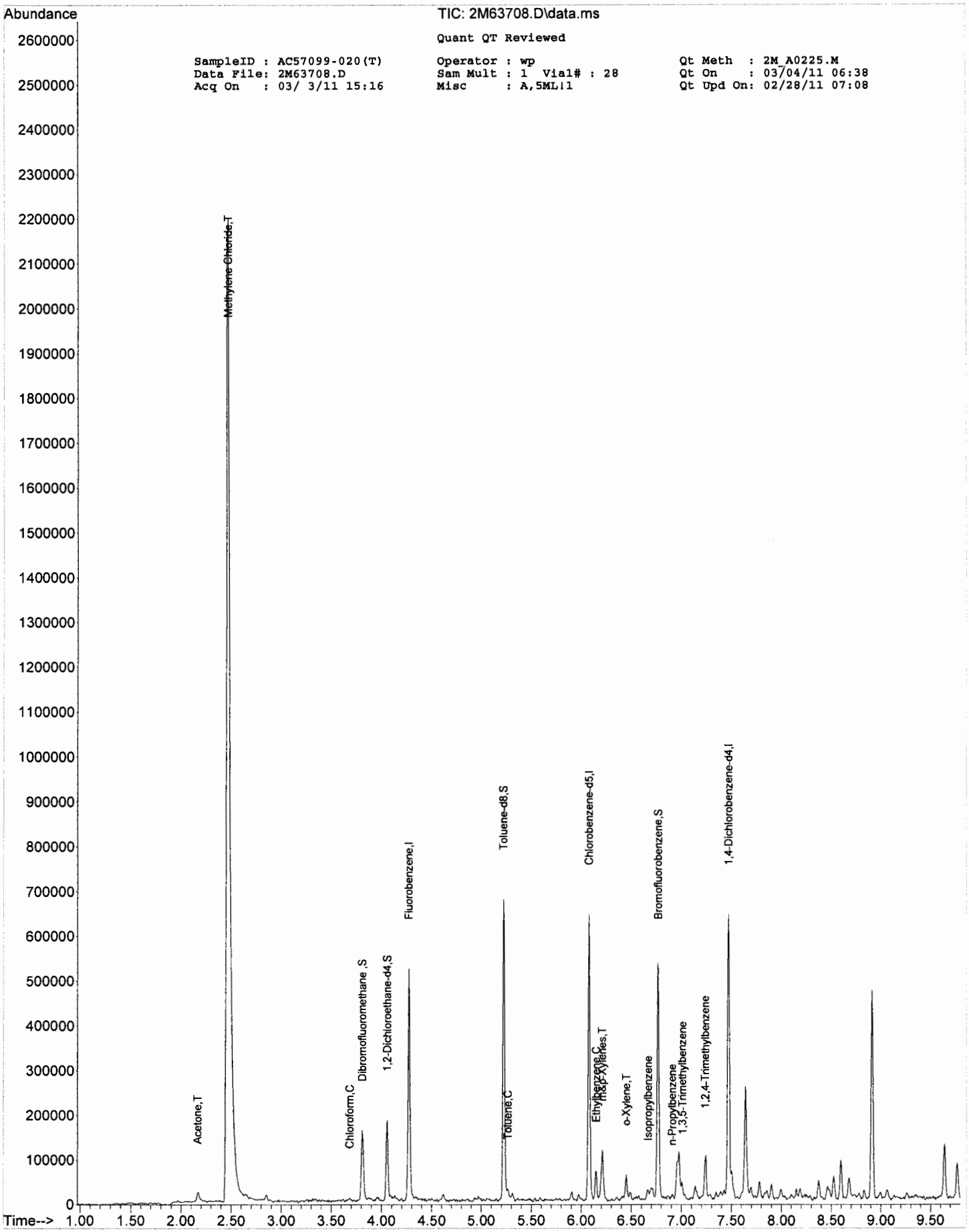
Quantitation Report (QT Reviewed)

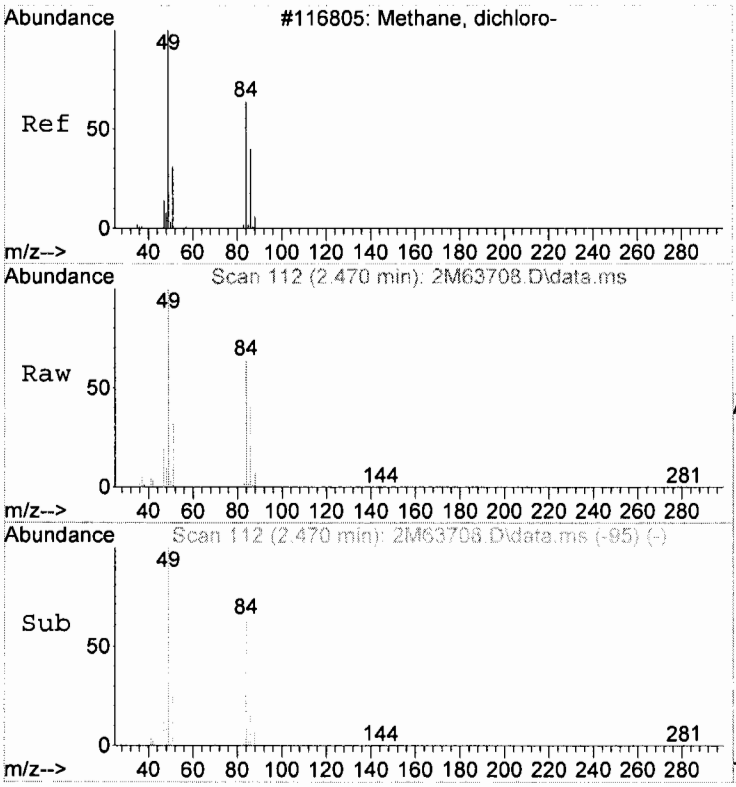
SampleID : AC57099-020(T) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63708.D Sam Mult : 1 Vial# : 28 Qt On : 03/04/11 06:38
Acq On : 03/ 3/11 15:16 Misc : A,5ML!1 Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.272	96	284997	30.00	ug/l	-0.04
51) Chlorobenzene-d5	6.076	117	244058	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.472	152	144308	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.809	111	70383	29.79	ug/l	-0.04
Spiked Amount 30.000			Recovery = 99.30%			
38) 1,2-Dichloroethane-d4	4.055	67	43592	29.12	ug/l	-0.04
Spiked Amount 30.000			Recovery = 97.07%			
65) Toluene-d8	5.222	98	295182	27.36	ug/l	-0.04
Spiked Amount 30.000			Recovery = 91.20%			
75) Bromofluorobenzene	6.768	174	127831	28.37	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.57%			
Target Compounds						Qvalue
15) Methylene Chloride	2.470	84	1116901	321.13	ug/l	89
19) Acetone	2.164	43	32071	36.58	ug/l	90
35) Chloroform	3.682	83	3332	0.67	ug/l	86
66) Toluene	5.264	92	4498	0.49	ug/l	67
73) Ethylbenzene	6.149	106	9440	2.70	ug/l	55
77) m&p-Xylenes	6.209	106	20777	3.51	ug/l	73
78) o-Xylene	6.449	106	10807	1.79	ug/l	73
83) Isopropylbenzene	6.666	105	6297	0.44	ug/l	86
90) n-Propylbenzene	6.907	91	7990	0.45	ug/l	93
92) 1,3,5-Trimethylbenzene	7.009	105	15056	1.26	ug/l	87
95) 1,2,4-Trimethylbenzene	7.237	105	44886	3.64	ug/l	94

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

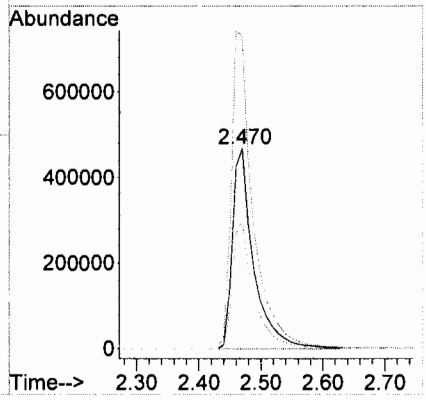

Abundance
TIC: 2M63708.D\data.ms
Quant QT Reviewed
SampleID : AC57099-020(T)
Data File: 2M63708.D
Acq On : 03/ 3/11 15:16
Operator : wp
Sam Mult : 1 Vial# : 28
Misc : A,5ML,1
Qt Meth : 2M_A0225.M
Qt On : 03/04/11 06:38
Qt Upd On: 02/28/11 07:08
Acetone,T
Methylene Chloride,T
Chloroform,C
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

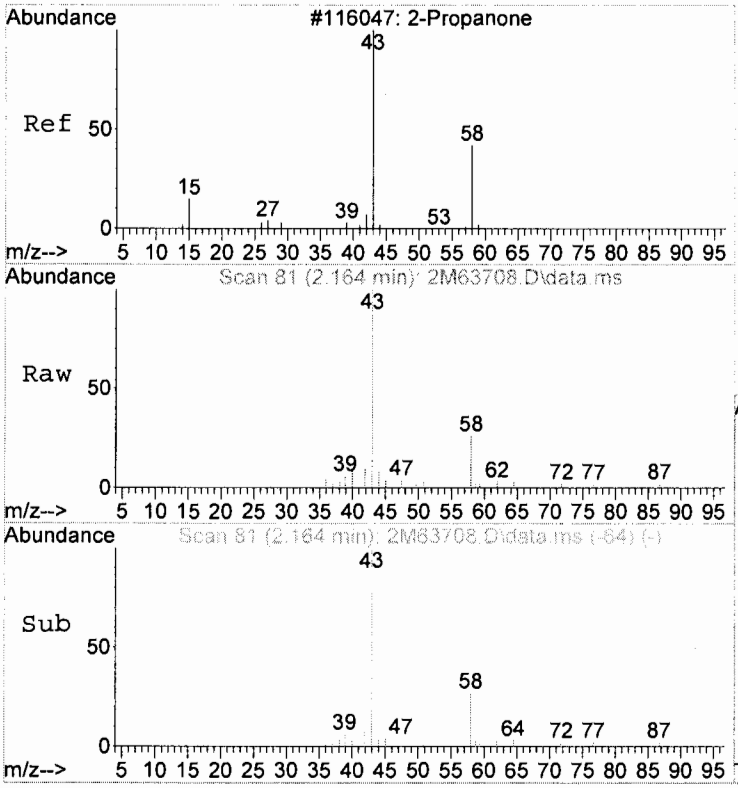


#15
Methylene Chloride
Concen: 321.13 ug/l
RT: 2.470 min Scan# 112
Delta R.T. -0.030 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion: 84 Resp: 1116901

Ion	Ratio	Lower	Upper
84	100		
49	156.2	56.4	225.6
86	63.6	28.0	112.0

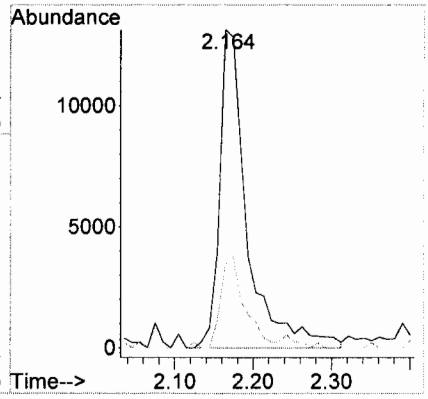


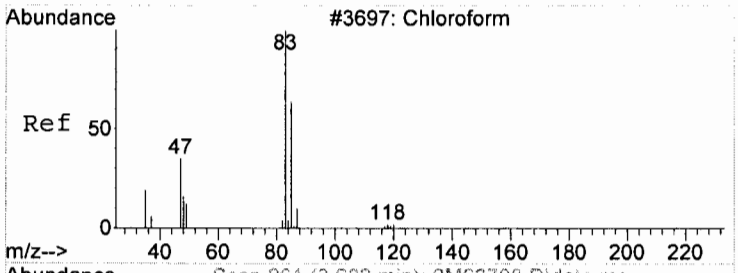


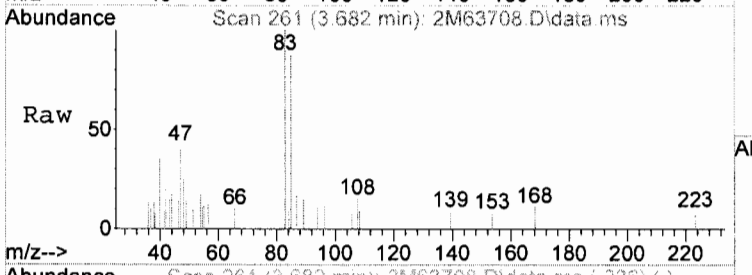
#19
Acetone
Concen: 36.58 ug/l
RT: 2.164 min Scan# 81
Delta R.T. -0.030 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

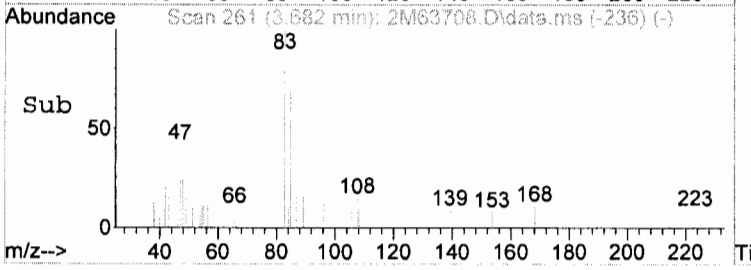
Tgt Ion: 43 Resp: 32071

Ion	Ratio	Lower	Upper
43	100		
58	26.1	0.0	61.3





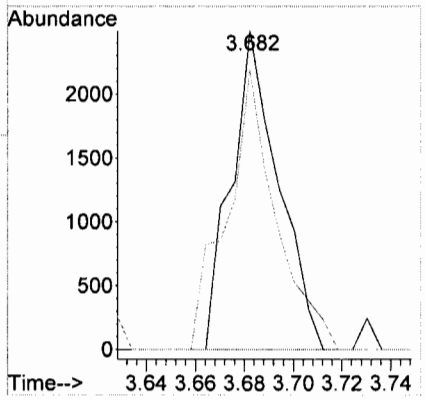


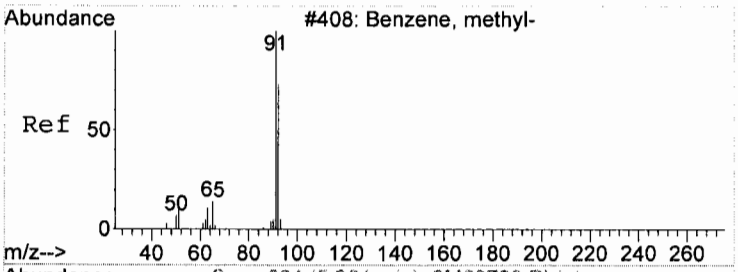


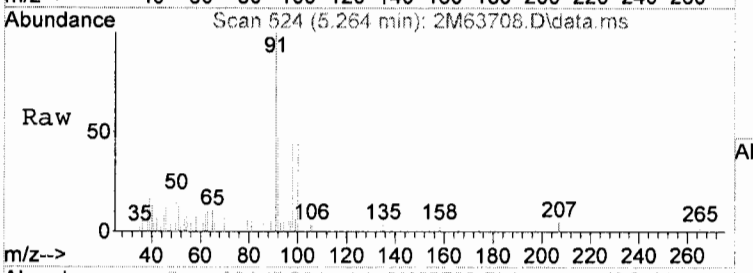
#35
Chloroform
Concen: 0.67 ug/l
RT: 3.682 min Scan# 261
Delta R.T. -0.047 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

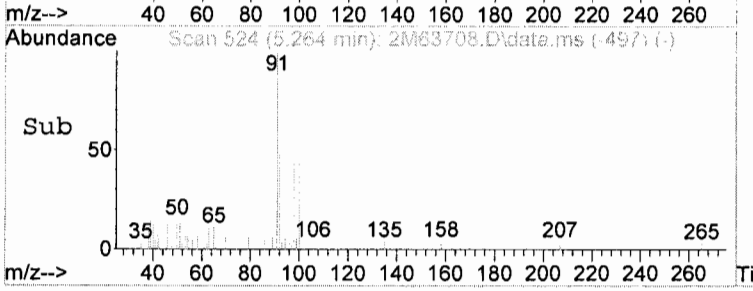
Tgt Ion: 83 Resp: 3332

Ion	Ratio	Lower	Upper
83	100		
85	87.8	36.0	116.0





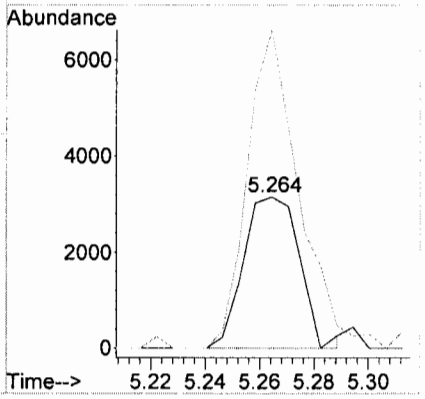


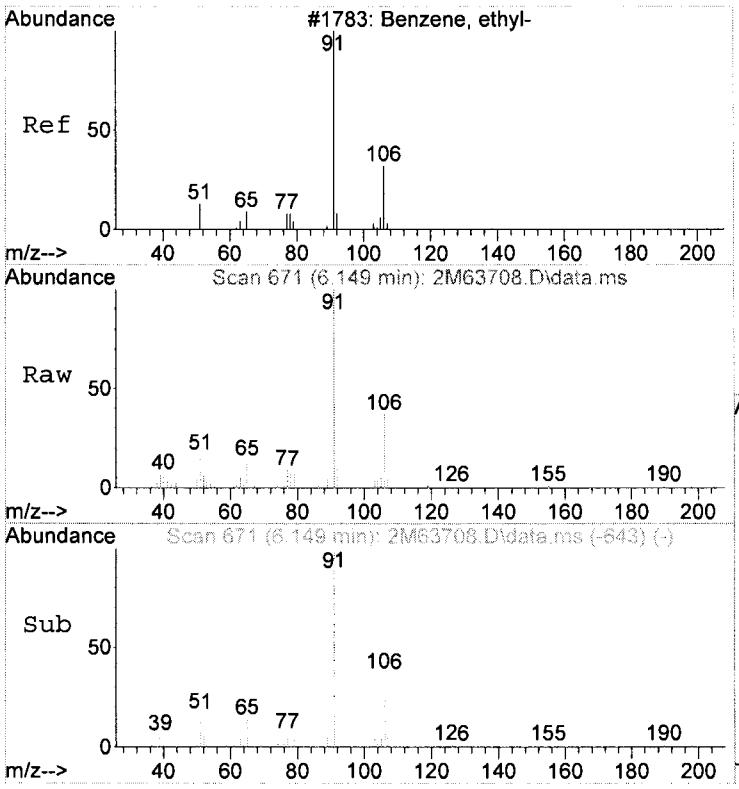


#66
Toluene
Concen: 0.49 ug/l
RT: 5.264 min Scan# 524
Delta R.T. -0.035 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion: 92 Resp: 4498

Ion	Ratio	Lower	Upper
92	100		
91	209.9	99.4	231.8

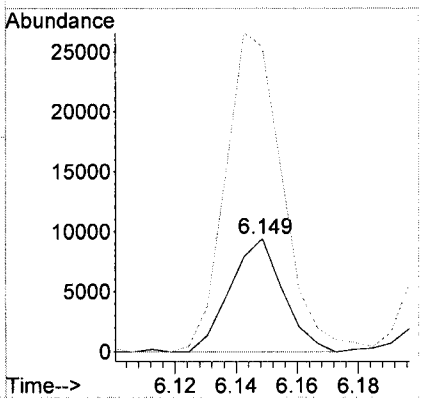


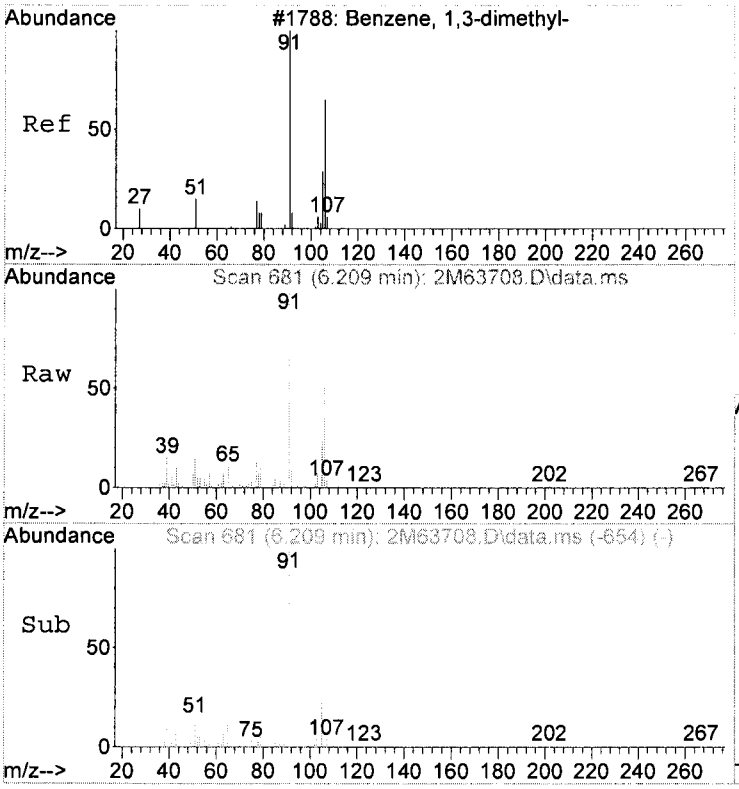


#73
Ethylbenzene
Concen: 2.70 ug/l
RT: 6.149 min Scan# 671
Delta R.T. -0.034 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion:106 Resp: 9440

Ion	Ratio	Lower	Upper
106	100		
91	264.6	219.2	511.6

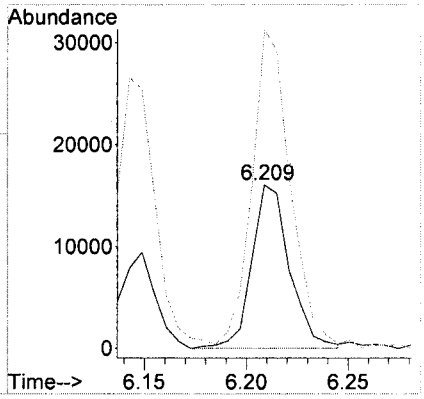


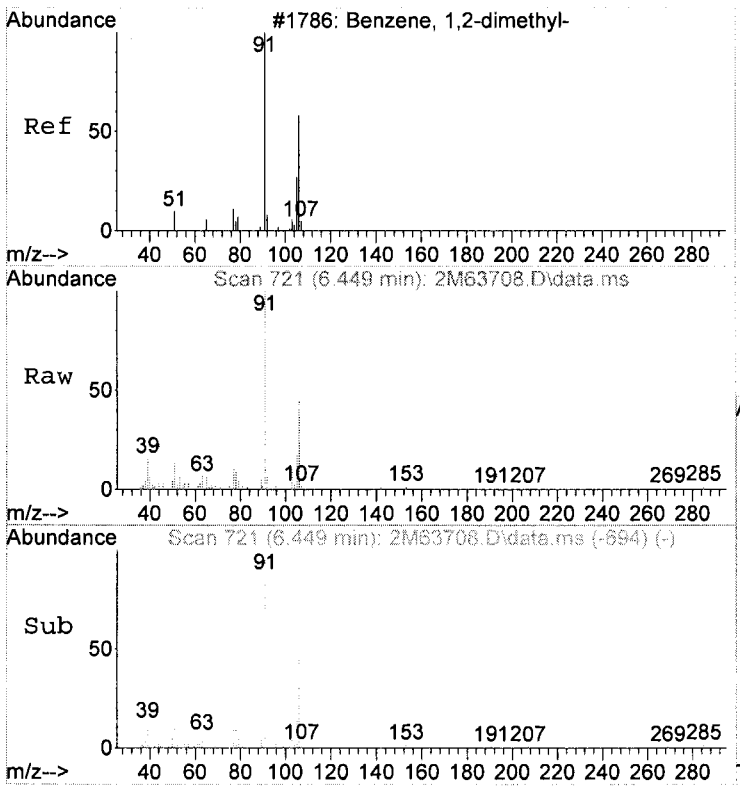


#77
m&p-Xylenes
Concen: 3.51 ug/l
RT: 6.209 min Scan# 681
Delta R.T. -0.040 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion:106 Resp: 20777

Ion	Ratio	Lower	Upper
106	100		
91	191.7	142.4	332.2

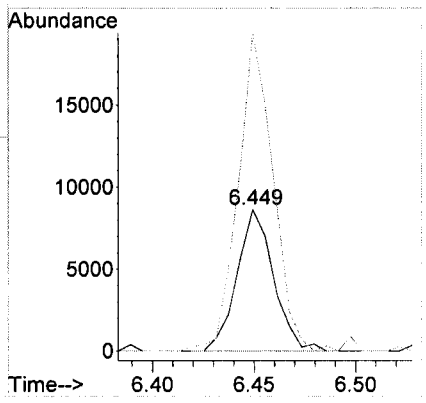


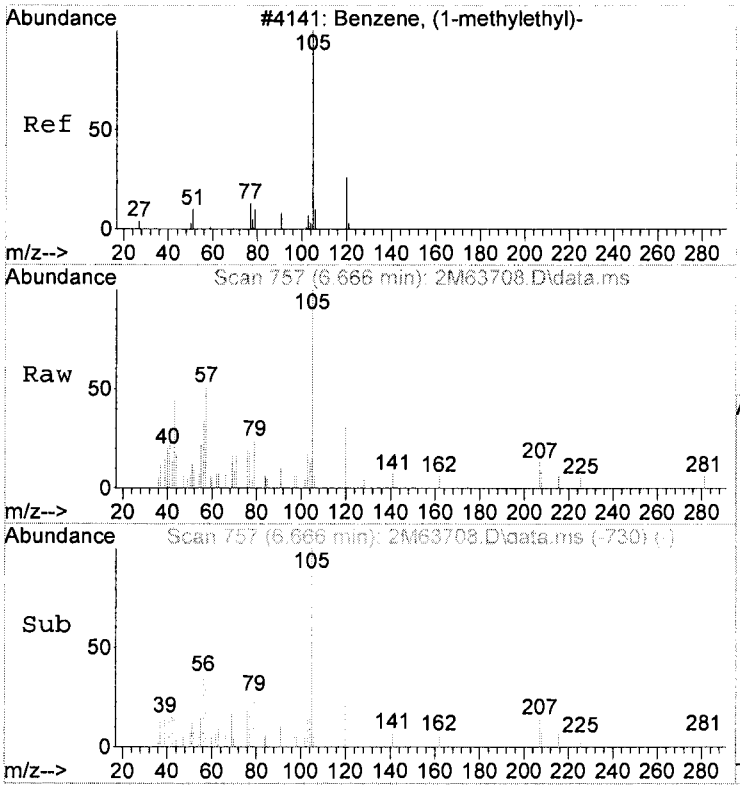


#78
o-Xylene
Concen: 1.79 ug/l
RT: 6.449 min Scan# 721
Delta R.T. -0.041 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion:106 Resp: 10807

Ion	Ratio	Lower	Upper
106	100		
91	224.6	164.4	383.6

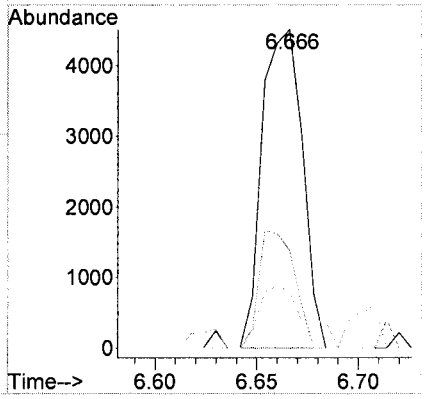


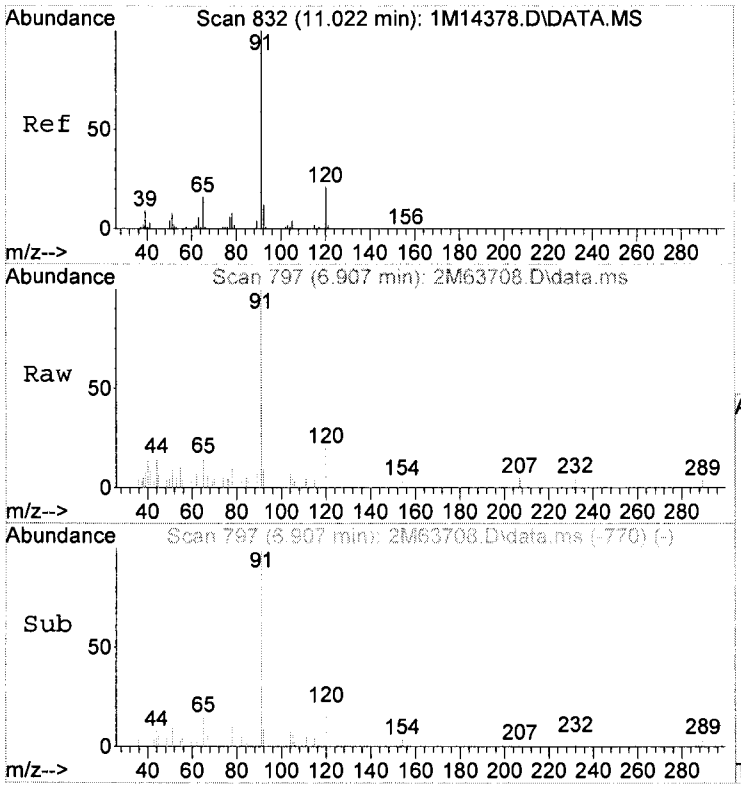


#83
Isopropylbenzene
Concen: 0.44 ug/l
RT: 6.666 min Scan# 757
Delta R.T. -0.035 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion:105 Resp: 6297

Ion	Ratio	Lower	Upper
105	100		
120	32.0	0.0	62.3
77	22.1	0.0	59.3

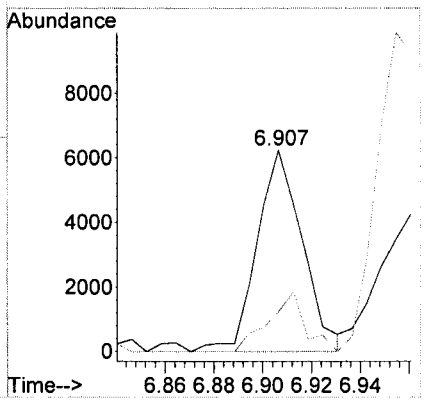


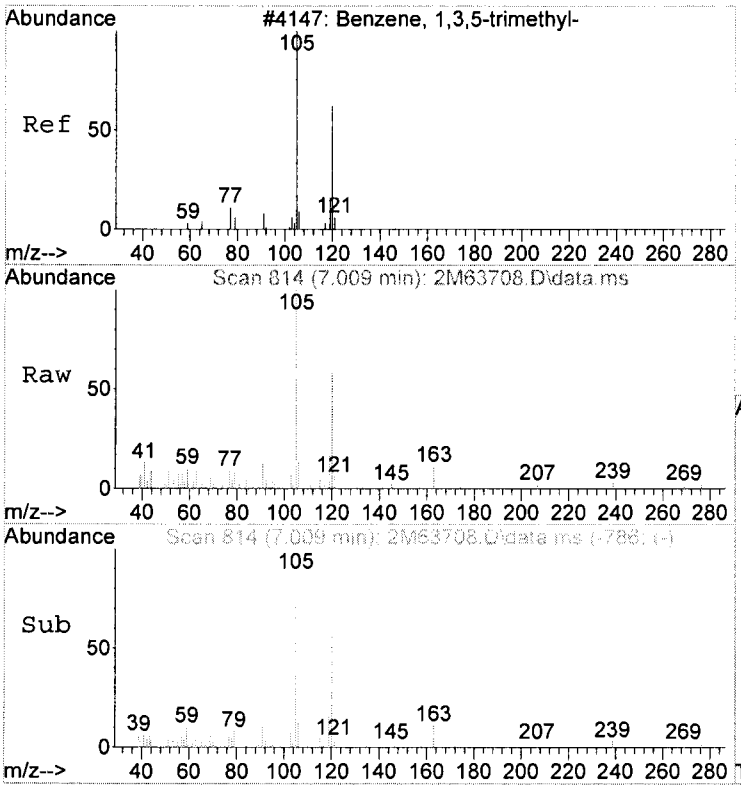


#90
n-Propylbenzene
Concen: 0.45 ug/l
RT: 6.907 min Scan# 797
Delta R.T. -0.035 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion: 91 Resp: 7990

Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	60.9

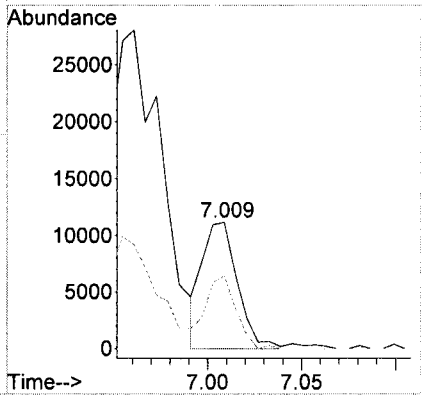


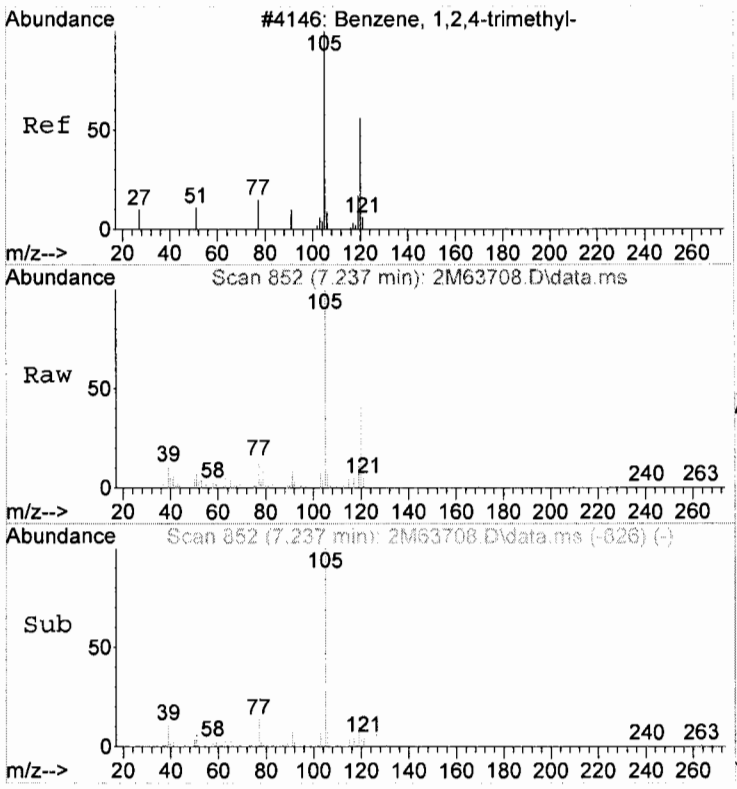


#92
1,3,5-Trimethylbenzene
Concen: 1.26 ug/l
RT: 7.009 min Scan# 814
Delta R.T. -0.034 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion:105 Resp: 15056

Ion	Ratio	Lower	Upper
105	100		
120	47.8	0.0	80.0

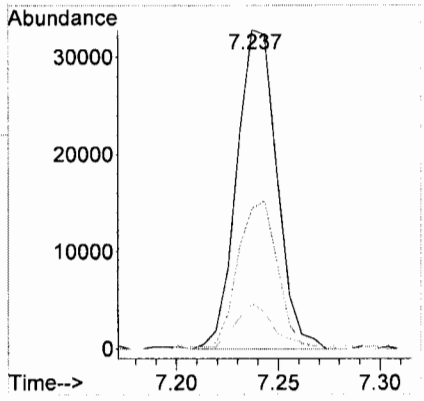




#95
1,2,4-Trimethylbenzene
Concen: 3.64 ug/l
RT: 7.237 min Scan# 852
Delta R.T. -0.041 min
Lab File: 2M63708.D
Acq: 3 Mar 2011 15:16

Tgt Ion:105 Resp: 44886

Ion	Ratio	Lower	Upper
105	100		
120	46.6	3.2	83.2
77	14.8	0.0	57.5



SPLP
GC/MS Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

0120

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M65288.	CAL @ 20 PPB	02/02/11 11:56	2	6M65283.	CAL @ 5 PPB	02/02/11 10:25
3	6M65289.	CAL @ 10 PPB	02/02/11 12:13	4	6M65287.	CAL @ 50 PPB	02/02/11 11:40
5	6M65286.	CAL @ 100 PPB	02/02/11 11:22	6	6M65285.	CAL @ 250 PPB	02/02/11 11:06
7	6M65284.	CAL @ 500 PPB	02/02/11 10:48	8	6M65281.	CAL @ 1 PPB	02/02/11 09:52
9	6M65282.	CAL @ 0.5 PPB	02/02/11 10:09				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.5652	0.6250	0.6307	0.5542	0.6206	0.6229	0.6969	0.6578	-----	0.622	1.46	0.997	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.3569	0.2936	0.3409	0.3535	0.3877	0.3986	0.4520	0.3092	-----	0.362	1.45	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.3268	0.3295	0.3394	0.3368	0.3784	0.4087	0.4881	0.3715	-----	0.372	1.60	0.993	1.00	15	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Qua	0.1552	0.0819	0.1388	0.1788	0.2210	0.2182	-----	0.0134	-----	0.144	1.94	0.999	0.999	52		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.2715	0.2427	0.2711	0.2670	0.2978	0.2907	0.3128	0.2488	-----	0.275	1.67	0.999	1.00	8.7	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1715	0.1648	0.1852	0.1723	0.1831	0.1795	0.1807	0.1480	-----	0.173	2.01	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.2044	0.1872	0.2233	0.2146	0.2382	0.2627	0.2450	0.1982	-----	0.222	2.21	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.2834	0.2574	0.2282	0.3010	0.2395	0.2548	0.3141	0.2267	-----	0.263	2.43	0.991	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	1.0269	0.9192	0.8178	1.0812	0.8678	0.9206	1.0779	0.9114	-----	0.953	2.45	0.994	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.1508	0.1180	0.1143	0.1652	0.1723	0.1817	0.1805	0.0718	-----	0.144	2.61	1.00	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3452	0.3277	0.3551	0.3502	0.3557	0.3546	0.3372	0.3481	-----	0.347	2.96	0.999	1.00	2.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0594	0.0479	0.0437	0.0599	0.0497	0.0537	0.0606	0.0418	-----	0.0521	2.51	0.996	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1503	0.0990	0.1387	0.1328	0.1497	0.1547	0.1471	0.1270	-----	0.137	3.13	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Lin	0.3272	0.1560	0.3094	0.2885	0.2422	0.2004	0.1948	0.0592	-----	0.222	2.72	0.997	0.998	40		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1561	0.1365	0.1313	0.1509	0.1291	0.1425	0.1341	0.1783	-----	0.145	2.62	0.999	0.999	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Lin	0.5854	0.5059	0.5718	0.5991	0.6388	0.6477	0.6457	0.4800	-----	0.584	2.78	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0274	0.0191	0.0219	0.0244	0.0250	0.0267	0.0248	0.0248	-----	0.0243	3.03	0.999	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.2667	0.1824	0.2422	0.2773	0.3002	0.2987	0.2891	0.1930	-----	0.256	3.41	1.00	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	LinF	1.5504	1.1150	1.4721	1.5825	1.5624	1.5268	1.3235	1.0191	-----	1.39	3.56	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.5737	0.4545	0.4866	0.5901	0.5414	0.5808	0.5847	0.4094	-----	0.528	2.60	1.00	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.4274	0.3763	0.4055	0.4085	0.4087	0.4309	0.4113	0.3518	-----	0.403	2.88	0.999	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.7324	0.5170	0.6670	0.7192	0.7129	0.7116	0.6280	0.5206	0.4413	0.628	3.18	0.996	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.6464	0.5720	0.6446	0.6589	0.6716	0.6748	0.6208	0.5709	-----	0.633	3.51	0.998	1.00	6.5	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2795	0.2246	0.2718	0.2802	0.2897	0.2830	0.2642	0.2400	-----	0.267	3.18	0.999	1.00	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.6542	0.5066	0.6230	0.6735	0.6837	0.6786	0.6093	0.5091	-----	0.617	3.94	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3745	0.4185	0.3686	0.3492	0.3495	0.3689	0.3426	0.3752	-----	0.368	4.10	0.999	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Lin	0.3267	0.2660	0.2880	0.3350	0.3536	0.3680	0.3469	0.2283	-----	0.314	3.95	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.5467	0.4046	0.4999	0.5334	0.5199	0.5372	0.4701	0.3542	-----	0.483	3.98	0.996	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0031	0.0019	0.0027	0.0030	0.0030	0.0027	0.0024	0.0020	-----	0.00265	5.01	0.993	1.00	17		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	Avg	0.4278	0.3073	0.4119	0.4322	0.4414	0.4180	0.3555	0.2985	-----	0.387	4.38	0.993	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5420	0.4756	0.5315	0.5320	0.5497	0.5436	0.5117	0.4825	-----	0.521	4.15	0.999	1.00	5.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2698	0.2814	0.2664	0.2642	0.2662	0.2666	0.2628	0.2874	0.2958	0.273	4.25	-1	-1	4.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.4443	0.2801	0.3999	0.4673	0.4978	0.4676	0.4276	0.2518	-----	0.405	4.32	0.997	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1896	0.2049	0.1900	0.1846	0.1831	0.1842	0.1867	0.1989	0.2132	0.193	4.45	-1	-1	5.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.5140	0.4607	0.4960	0.5003	0.4856	0.4554	0.3796	0.4673	0.4143	0.464	4.49	0.991	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.1759	0.1448	0.1896	0.1791	0.1802	0.1728	0.1546	0.1841	-----	0.173	3.94	0.997	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3630	0.3059	0.3535	0.3647	0.3828	0.3794	0.3568	0.2998	-----	0.351	4.28	0.999	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2838	0.2470	0.2608	0.2712	0.2811	0.2705	0.2518	0.2088	-----	0.259	4.38	0.999	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	LinF	0.9997	0.6150	0.7263	0.9268	0.9448	0.9358	0.8705	0.4375	-----	0.807	3.53	0.999	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.3916	0.3350	0.3995	0.3948	0.4017	0.4059	0.3900	0.3108	-----	0.379	5.08	1.00	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	LinF	0.2761	0.1787	0.2410	0.2892	0.2958	0.2620	-----	0.1668	-----	0.244	4.95	0.997	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Avg Rsd: 14.5

Flags

a - failed the spcc criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria(if applicable)
** - ccc compound*
*** - spcc compound*

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

01 21

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M65288.	CAL @ 20 PPB	02/02/11 11:56	2	6M65283.	CAL @ 5 PPB	02/02/11 10:25
3	6M65289.	CAL @ 10 PPB	02/02/11 12:13	4	6M65287.	CAL @ 50 PPB	02/02/11 11:40
5	6M65286.	CAL @ 100 PPB	02/02/11 11:22	6	6M65285.	CAL @ 250 PPB	02/02/11 11:06
7	6M65284.	CAL @ 500 PPB	02/02/11 10:48	8	6M65281.	CAL @ 1 PPB	02/02/11 09:52
9	6M65282.	CAL @ 0.5 PPB	02/02/11 10:09				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	LinF	0.1351	0.1092	0.1437	0.1425	0.1374	0.1396	0.1329	0.0252	-----	0.121	5.01	0.999	1.00	33		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloropropane	1	0	Avg	0.3560	0.3051	0.3560	0.3538	0.3566	0.3198	0.2547	0.3029	-----	0.326	4.95	0.984	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2466	0.2059	0.2392	0.2518	0.2582	0.2508	0.2206	0.1969	-----	0.234	4.83	0.996	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.2617	1.0819	1.2485	1.2156	1.1843	1.0467	0.8217	1.0000	0.9409	1.09	4.49	0.982	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	LinF	0.7801	0.5446	0.7031	0.7803	0.7741	0.7642	0.6424	0.4528	-----	0.680	4.54	0.992	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	1.3749	0.9465	1.2816	1.3098	1.3076	1.2802	1.0631	0.9228	-----	1.19	4.50	0.991	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	LinF	0.7703	0.4888	0.6818	0.7753	0.7927	0.8011	0.7410	0.4726	-----	0.690	4.98	0.998	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.3981	0.3195	0.3783	0.4091	0.4198	0.4411	0.4334	0.3164	-----	0.390	5.89	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.3305	0.2067	0.2943	0.3495	0.3738	0.3910	0.3721	0.1740	-----	0.312	5.22	0.999	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.7243	0.5100	0.6527	0.7501	0.7773	0.8081	0.7534	0.4905	-----	0.683	5.31	0.999	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloropropene	1	0	LinF	0.5980	0.4417	0.5360	0.6353	0.6491	0.7065	0.6579	0.3861	-----	0.576	5.58	0.999	0.999	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.7901	0.5057	0.6963	0.7993	0.8243	0.8418	0.7686	0.4951	-----	0.715	5.61	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3900	0.3355	0.4000	0.3787	0.3834	0.3800	0.3443	0.3739	-----	0.373	5.67	0.998	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.3905	0.3110	0.3789	0.3909	0.3944	0.4143	0.3970	0.2906	-----	0.371	5.96	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.7541	0.6286	0.7299	0.7355	0.7111	0.6593	0.5580	0.6496	-----	0.678	5.76	0.992	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.7726	0.4755	0.7013	0.7827	0.7970	0.8428	0.8142	0.4505	-----	0.705	5.37	1.00	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.5404	0.3453	0.4468	0.5405	0.5414	0.5548	0.5151	0.3866	-----	0.484	5.79	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2904	0.2401	0.2794	0.2794	0.2799	0.2602	0.2322	0.2599	-----	0.265	5.78	0.996	1.00	7.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.5034	1.4969	1.4898	1.4882	1.5055	1.5057	1.5768	1.4084	1.3868	1.48	5.45	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0953	0.9424	1.0695	1.0741	1.0641	1.0040	0.8586	0.9150	-----	1.00	5.49	0.993	1.00	8.8	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroethane	1	0	Avg	0.3211	0.2622	0.2994	0.3148	0.3162	0.3074	0.2736	0.2953	-----	0.299	6.24	0.996	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.0710	0.9237	1.0542	1.0938	1.0499	1.0129	0.9039	0.9712	-----	1.01	6.21	0.996	1.00	7.0	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	2.2886	1.3407	1.9387	2.5371	2.5962	2.7024	2.4597	1.3416	-----	2.15	6.45	0.998	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	2.9024	1.8494	2.5398	2.9811	2.9640	3.0140	2.6661	1.9399	-----	2.61	6.57	0.996	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5499	0.4166	0.4938	0.5655	0.5736	0.6316	0.6085	0.5133	-----	0.544	6.63	0.999	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	1.1880	0.8343	1.0855	1.1958	1.1589	0.9732	-----	0.8326	-----	1.04	6.25	0.993	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroethane	1	0	Avg	1.2317	1.0262	1.1097	1.1592	1.1393	1.1487	1.0112	1.5335	-----	1.17	6.85	0.996	1.00	14	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8248	0.8186	0.8078	0.8141	0.8121	0.8693	0.8813	0.7998	0.7675	0.822	6.80	-1	-1	4.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	LinF	2.5338	1.7436	2.3278	2.5133	2.4086	2.0334	-----	1.4507	-----	2.14	6.52	0.993	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	1.4805	1.0653	1.3597	1.4279	1.3546	1.1463	-----	0.9564	0.8217	1.20	6.31	0.994	1.00	20		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	1.4158	1.0418	1.3501	1.4005	1.3157	1.1069	-----	0.8188	-----	1.21	6.52	0.993	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.6258	0.4591	0.5187	0.5992	0.5812	0.5520	0.4462	0.5288	-----	0.539	6.87	0.987	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.5047	1.2309	1.5010	1.4914	1.4117	1.3035	1.0808	1.2622	-----	1.35	7.39	0.990	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.5453	1.3464	1.5782	1.5097	1.4836	1.4876	1.3435	1.7816	-----	1.51	7.44	0.997	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.4492	1.2525	1.4497	1.4452	1.4237	1.3918	1.2960	1.4039	-----	1.39	7.65	0.999	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	3.2940	2.1716	2.9498	3.4443	3.4559	3.2538	2.8338	1.8505	-----	2.91	6.71	0.994	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0461	0.0338	0.0402	0.0450	0.0470	0.0470	0.0457	0.0468	-----	0.0440	6.76	1.00	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.8997	0.5745	0.8306	0.9283	0.9477	0.8424	-----	0.6115	-----	0.805	6.87	0.997	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.3-Trichloropropane	1	0	Avg	1.4551	1.1724	1.3810	1.4299	1.3664	1.2454	0.9452	1.5428	-----	1.32	6.88	0.977	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	3.1790	2.5521	3.0339	2.9804	2.7680	2.1541	-----	2.4946	-----	2.74	6.98	0.985	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	LinF	3.7719	2.6892	3.5731	3.8092	3.6500	3.3218	-----	2.3413	-----	3.31	6.98	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_6

0122

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M65288.	CAL @ 20 PPB	02/02/11 11:56	2	6M65283.	CAL @ 5 PPB	02/02/11 10:25
3	6M65289.	CAL @ 10 PPB	02/02/11 12:13	4	6M65287.	CAL @ 50 PPB	02/02/11 11:40
5	6M65286.	CAL @ 100 PPB	02/02/11 11:22	6	6M65285.	CAL @ 250 PPB	02/02/11 11:06
7	6M65284.	CAL @ 500 PPB	02/02/11 10:48	8	6M65281.	CAL @ 1 PPB	02/02/11 09:52
9	6M65282.	CAL @ 0.5 PPB	02/02/11 10:09				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	2.8924	2.6812	2.8795	2.8757	2.7984	2.5748	2.0984	2.5464	-----	2.67	7.04	0.988	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	4.3848	3.2563	4.1147	4.4169	4.4022	4.1211	3.5476	2.9285	-----	3.90	6.92	0.993	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.6042	2.1192	2.5107	2.5963	2.4984	2.2533	1.8873	2.4141	-----	2.36	6.89	0.990	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	LinF	2.8242	2.0053	2.6543	2.7604	2.6581	2.1790	-----	1.6884	-----	2.40	7.01	0.991	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Avg	2.4523	1.7444	2.1721	2.4407	2.3592	2.1898	1.7871	1.8682	-----	2.13	7.02	0.988	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	LinF	2.2469	1.4625	2.0018	2.3788	2.3679	2.2722	2.0005	1.3305	-----	2.01	7.19	0.995	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	LinF	2.9000	1.9223	2.6649	2.8909	2.8410	2.6836	2.3378	1.5985	-----	2.48	7.22	0.994	1.00	20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	2.9874	1.9580	2.7164	3.0823	3.1238	2.9898	2.6470	1.5925	-----	2.64	7.31	0.996	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	LinF	2.2807	1.4227	2.0232	2.3246	2.2941	2.0622	-----	1.1453	-----	1.94	7.39	0.997	1.00	24	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	LinF	2.8464	1.8650	2.6853	2.9172	2.9425	2.7123	2.3890	1.7943	-----	2.52	7.62	0.995	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.1830	0.6704	1.0085	1.2661	1.3042	1.2225	1.1126	0.7300	-----	1.06	7.60	0.997	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.9493	1.0014	1.5913	2.2698	2.3199	2.2687	2.0643	1.0565	-----	1.82	8.04	0.997	1.00	30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloropr	1	0	LinF	0.1552	0.1023	0.1469	0.1646	0.1723	0.1796	0.1806	0.1742	-----	0.160	8.08	1.00	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0806	0.0359	0.0604	0.0886	0.0886	0.0794	0.0728	0.0461	0.0724	0.0695	8.51	0.997	1.00	27	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.2689	0.2026	0.2645	0.2715	0.2713	0.2618	0.2531	0.2503	-----	0.256	8.66	1.00	1.00	8.9	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	0.7725	0.5008	0.7307	0.7919	0.7891	0.7895	0.7462	0.6743	-----	0.724	8.57	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	0.7011	0.4609	0.6260	0.7251	0.7297	0.7302	0.6823	0.6264	-----	0.660	8.86	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	2.0981	1.0185	1.6911	2.2414	2.2364	2.2699	2.0354	1.3587	-----	1.87	8.72	0.997	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.5

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 6M65288.D
Acq On : 02/ 2/11 11:56

Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:15
Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.634	96	193186	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	118546	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.429	152	52208	30.00	ug/l		0.02
System Monitoring Compounds							
36) Dibromofluoromethane	4.249	111	52123	29.20	ug/l		0.01
Spiked Amount 30.000			Recovery = 97.33%				
38) 1,2-Dichloroethane-d4	4.447	67	36633	29.72	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.07%				
65) Toluene-d8	5.451	98	178223	30.50	ug/l		0.01
Spiked Amount 30.000			Recovery = 101.67%				
75) Bromofluorobenzene	6.798	174	43061	29.08	ug/l		0.01
Spiked Amount 30.000			Recovery = 96.93%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.465	51	72796	18.32	ug/l		96
6) Dichlorodifluoromethane	1.448	85	45965	17.80	ug/l		87
7) Chloromethane	1.603	50	42090	16.23	ug/l		82
8) Bromomethane	1.943	94	19988	19.83	ug/l		87
9) Vinyl Chloride	1.672	62	34972	19.17	ug/l		94
10) Chloroethane	2.006	64	22095	18.73	ug/l		94
11) Trichlorofluoromethane	2.208	101	26331	17.23	ug/l		90
12) Ethyl ether	2.427	59	36499	20.98	ug/l		89
13) Furan	2.451	39	132265	19.21	ug/l		76
14) 1,1,2-Trichloro-1,2,2-...	2.608	101	19422	21.73	ug/l		85
15) Methylene Chloride	2.956	84	44462	19.83	ug/l		77
16) Acrolein	2.506	56	38257	115.46	ug/l		97
17) Acrylonitrile	3.131	53	19366	22.81	ug/l		97
18) Iodomethane	2.722	142	42144	30.66	ug/l		92
19) Acetone	2.620	43	100543	116.93	ug/l		99
20) Carbon Disulfide	2.782	76	75403	18.28	ug/l		100
21) t-Butyl Alcohol	3.029	59	17698	118.01	ug/l		81
22) n-Hexane	3.407	57	34349	24.92	ug/l		97
23) Di-isopropyl-ether	3.564	45	199678	22.70	ug/l		96
24) 1,1-Dichloroethene	2.602	61	73889	21.96	ug/l		89
25) Methyl Acetate	2.878	43	55050	21.89	ug/l		100
26) Methyl-t-butyl ether	3.185	73	94331	23.70	ug/l		79
27) 1,1-Dichloroethane	3.509	63	83261	19.96	ug/l		96
28) trans-1,2-Dichloroethene	3.185	96	36001	20.49	ug/l		85
29) cis-1,2-Dichloroethene	3.942	61	84258	21.24	ug/l		95
30) Bromochloromethane	4.099	49	48232	21.34	ug/l	#	55
31) 2,2-Dichloropropane	3.954	77	42080	22.26	ug/l		98
32) Ethyl acetate	3.978	43	70418	21.97	ug/l		87
33) 1,4-Dioxane	5.006	88	20294	1257.05	ug/l		59
34) 1,1-Dichloropropene	4.375	75	55107	22.36	ug/l		98
35) Chloroform	4.147	83	69805	20.72	ug/l		90
37) Cyclohexane	4.321	56	57231	23.03	ug/l		77
39) 1,2-Dichloroethane	4.489	62	66205	21.58	ug/l		94
40) 2-Butanone	3.942	43	22663	20.58	ug/l		91
41) 1,1,1-Trichloroethane	4.279	97	46759	20.27	ug/l		97
42) Carbon Tetrachloride	4.381	117	36560	21.75	ug/l		98
43) Vinyl Acetate	3.533	43	128759	23.88	ug/l		100
44) Bromodichloromethane	5.078	83	50435	20.57	ug/l		94
45) Methylcyclohexane	4.946	83	35561	24.11	ug/l		77
46) Dibromomethane	5.006	174	17409	20.45	ug/l		92
47) 1,2-Dichloropropane	4.946	63	45849	22.33	ug/l		96
48) Trichloroethene	4.832	130	31764	20.72	ug/l		85
49) Benzene	4.489	78	162506	23.00	ug/l		100
50) tert-Amyl methyl ether	4.543	73	100474	22.95	ug/l		72
52) Iso-propylacetate	4.501	43	108663	22.82	ug/l		86
53) Methyl methacrylate	4.982	41	60878	22.14	ug/l		83
54) Dibromochloromethane	5.890	129	31462	20.17	ug/l		96
55) 2-Chloroethylvinylether	5.217	63	26126	22.56	ug/l		71
56) cis-1,3-Dichloropropene	5.307	75	57244	21.87	ug/l		92
57) trans-1,3-Dichloropropene	5.577	75	47267	21.55	ug/l		99
58) Ethyl methacrylate	5.607	41	62442	21.83	ug/l		92
59) 1,1,2-Trichloroethane	5.673	97	30829	21.40	ug/l		93
60) 1,2-Dibromoethane	5.956	107	30863	20.76	ug/l		93
61) 1,3-Dichloropropane	5.764	76	59600	23.03	ug/l		96
62) 4-Methyl-2-Pentanone	5.373	43	61061	22.31	ug/l		96
63) 2-Hexanone	5.788	43	42711	22.84	ug/l		91
64) Tetrachloroethene	5.776	164	22955	21.92	ug/l		90
66) Toluene	5.487	92	86567	22.40	ug/l		93
67) 1,1,1,2-Tetrachloroethane	6.239	133	25383	21.58	ug/l		69

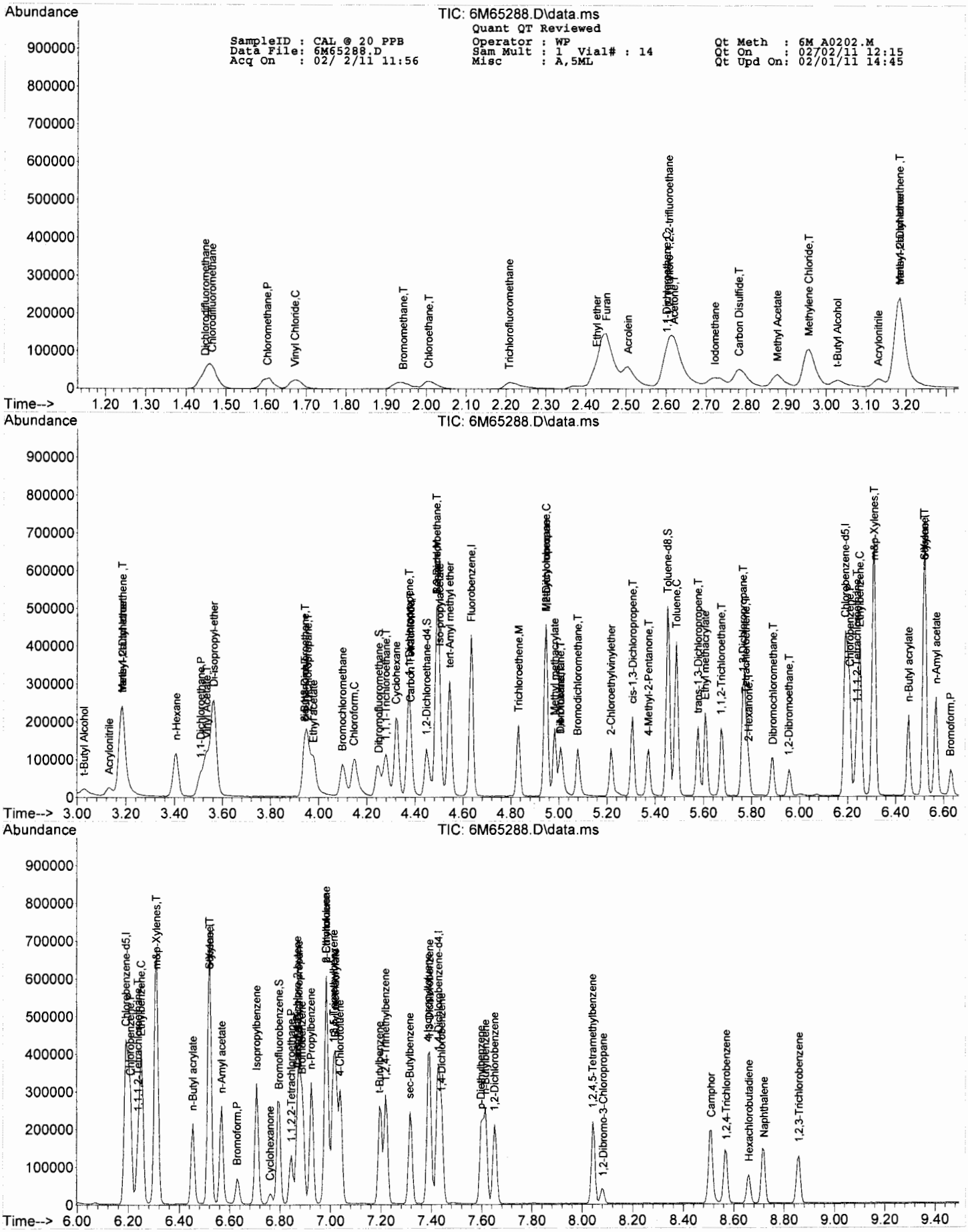
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65288.D Sam Mult : 1 Vial# : 14 Qt On : 02/02/11 12:15
Acq On : 02/ 2/11 11:56 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.208	112	84649	21.33 ug/l	99
70)	n-Butyl acrylate	6.455	55	79656	20.29 ug/l	93
71)	n-Amyl acetate	6.569	43	101021	21.82 ug/l	95
72)	Bromoform	6.629	173	19142	20.01 ug/l	95
73)	Ethylbenzene	6.251	106	41352	24.47 ug/l	94
74)	1,1,2,2-Tetrachloroethane	6.846	83	42872	21.78 ug/l	90
76)	Styrene	6.521	104	88191	24.64 ug/l	98
77)	m&p-Xylenes	6.311	106	103060	52.44 ug/l	100
78)	o-Xylene	6.521	106	49278	24.69 ug/l	81
79)	trans-1,4-Dichloro-2-b...	6.870	53	21782	24.74 ug/l	68
80)	1,3-Dichlorobenzene	7.393	146	52372	22.57 ug/l	94
81)	1,4-Dichlorobenzene	7.441	146	53787	21.13 ug/l	96
82)	1,2-Dichlorobenzene	7.651	146	50441	21.05 ug/l	96
83)	Isopropylbenzene	6.707	105	114649	22.80 ug/l	97
84)	Cyclohexanone	6.761	55	8038	114.00 ug/l	87
85)	Camphene	6.870	93	31316	22.63 ug/l	91
86)	1,2,3-Trichloropropane	6.876	75	50648	23.35 ug/l	80
87)	2-Chlorotoluene	6.984	91	110648	26.40 ug/l	91
88)	p-Ethyltoluene	6.984	105	131285	24.55 ug/l	77
89)	4-Chlorotoluene	7.038	91	100672	22.75 ug/l	95
90)	n-Propylbenzene	6.924	91	152616	22.77 ug/l	96
91)	Bromobenzene	6.888	77	90640	22.41 ug/l	86
92)	1,3,5-Trimethylbenzene	7.014	105	98299	24.84 ug/l	96
93)	Butyl methacrylate	7.020	41	85354	22.22 ug/l	97
94)	t-Butylbenzene	7.194	119	78207	22.51 ug/l	88
95)	1,2,4-Trimethylbenzene	7.218	105	100938	23.86 ug/l	95
96)	sec-Butylbenzene	7.314	105	103979	23.16 ug/l	92
97)	4-Isopropyltoluene	7.387	119	79382	24.93 ug/l	94
98)	n-Butylbenzene	7.615	91	99073	23.50 ug/l	88
99)	p-Diethylbenzene	7.597	119	41177	23.29 ug/l	97
100)	1,2,4,5-Tetramethylben...	8.042	119	67846	22.09 ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.084	157	5404	20.42 ug/l	95
102)	Camphor	8.511	95	28056	255.45 ug/l	97
103)	Hexachlorobutadiene	8.661	225	9359	21.66 ug/l	94
104)	1,2,4-Trichlorobenzene	8.571	180	26890	22.09 ug/l	97
105)	1,2,3-Trichlorobenzene	8.859	180	24404	22.24 ug/l	96
106)	Naphthalene	8.721	128	73027	22.83 ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65288.D
Acq On : 02/ 2/11 11:56
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02702/11 12:15
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 6M65283.D
Acq On : 02/ 2/11 10:25

Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.633	96	191574	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	119535	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.423	152	54297	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.243	111	53922	30.46	ug/l		0.00
Spiked Amount 30.000			Recovery = 101.53%				
38) 1,2-Dichloroethane-d4	4.447	67	39258	32.12	ug/l		0.00
Spiked Amount 30.000			Recovery = 107.07%				
65) Toluene-d8	5.451	98	178939	30.37	ug/l		0.01
Spiked Amount 30.000			Recovery = 101.23%				
75) Bromofluorobenzene	6.798	174	44448	28.86	ug/l		0.01
Spiked Amount 30.000			Recovery = 96.20%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.460	51	19958	5.06	ug/l		83
6) Dichlorodifluoromethane	1.442	85	9377	3.66	ug/l		93
7) Chloromethane	1.604	50	10523	4.09	ug/l		75
8) Bromomethane	1.938	94	2615	2.62	ug/l		88
9) Vinyl Chloride	1.667	62	7752	4.28	ug/l		95
10) Chloroethane	2.007	64	5263	4.50	ug/l		75
11) Trichlorofluoromethane	2.208	101	5980	3.95	ug/l		88
12) Ethyl ether	2.421	59	8220	4.77	ug/l		98
13) Furan	2.445	39	29352	4.30	ug/l		74
14) 1,1,2-Trichloro-1,2,2-...	2.608	101	3770	4.25	ug/l		88
15) Methylene Chloride	2.956	84	10463	4.71	ug/l		72
16) Acrolein	2.506	56	7647	23.27	ug/l		90
17) Acrylonitrile	3.131	53	3164	3.76	ug/l		82
18) Iodomethane	2.722	142	4981	3.65	ug/l		87
19) Acetone	2.620	43	21802	25.57	ug/l		92
20) Carbon Disulfide	2.782	76	16154	3.95	ug/l		100
21) t-Butyl Alcohol	3.023	59	3051	20.52	ug/l		97
22) n-Hexane	3.401	57	5824	4.26	ug/l		93
23) Di-isopropyl-ether	3.557	45	35603	4.08	ug/l		95
24) 1,1-Dichloroethene	2.602	61	14514	4.35	ug/l		91
25) Methyl Acetate	2.872	43	12016	4.82	ug/l		100
26) Methyl-t-butyl ether	3.179	73	16509	4.18	ug/l		84
27) 1,1-Dichloroethane	3.509	63	18264	4.42	ug/l		90
28) trans-1,2-Dichloroethene	3.185	96	7173	4.12	ug/l		91
29) cis-1,2-Dichloroethene	3.942	61	16178	4.11	ug/l		97
30) Bromochloromethane	4.092	49	13363	5.96	ug/l	#	48
31) 2,2-Dichloropropane	3.948	77	8494	4.53	ug/l		96
32) Ethyl acetate	3.978	43	12921	4.06	ug/l		86
33) 1,4-Dioxane	5.006	88	3122	195.01	ug/l		48
34) 1,1-Dichloropropene	4.369	75	9812	4.02	ug/l		98
35) Chloroform	4.147	83	15187	4.55	ug/l		86
37) Cyclohexane	4.321	56	8945	3.63	ug/l		77
39) 1,2-Dichloroethane	4.489	62	14710	4.84	ug/l		92
40) 2-Butanone	3.942	43	4624	4.23	ug/l		84
41) 1,1,1-Trichloroethane	4.279	97	9769	4.27	ug/l		99
42) Carbon Tetrachloride	4.381	117	7889	4.73	ug/l		79
43) Vinyl Acetate	3.527	43	19638	3.67	ug/l		100
44) Bromodichloromethane	5.078	83	10697	4.40	ug/l		98
45) Methylcyclohexane	4.946	83	5708	3.90	ug/l		82
46) Dibromomethane	5.006	174	3488	4.13	ug/l	#	54
47) 1,2-Dichloropropane	4.946	63	9744	4.79	ug/l		98
48) Trichloroethene	4.832	130	6577	4.33	ug/l		88
49) Benzene	4.489	78	34547	4.93	ug/l		100
50) tert-Amyl methyl ether	4.543	73	17389	4.00	ug/l		79
52) Iso-propylacetate	4.501	43	18857	3.93	ug/l		83
53) Methyl methacrylate	4.982	41	9740	3.51	ug/l		82
54) Dibromochloromethane	5.884	129	6367	4.05	ug/l		90
55) 2-Chloroethylvinylether	5.217	63	4118	3.53	ug/l		79
56) cis-1,3-Dichloropropene	5.301	75	10161	3.85	ug/l		85
57) trans-1,3-Dichloropropene	5.577	75	8801	3.98	ug/l		92
58) Ethyl methacrylate	5.607	41	10075	3.49	ug/l		89
59) 1,1,2-Trichloroethane	5.673	97	6684	4.60	ug/l		92
60) 1,2-Dibromoethane	5.956	107	6197	4.13	ug/l		96
61) 1,3-Dichloropropane	5.764	76	12524	4.80	ug/l		92
62) 4-Methyl-2-Pentanone	5.367	43	9474	3.43	ug/l		90
63) 2-Hexanone	5.782	43	6880	3.65	ug/l		93
64) Tetrachloroethene	5.770	164	4784	4.53	ug/l		85
66) Toluene	5.487	92	18775	4.82	ug/l		90
67) 1,1,1,2-Tetrachloroethane	6.238	133	5224	4.41	ug/l		66

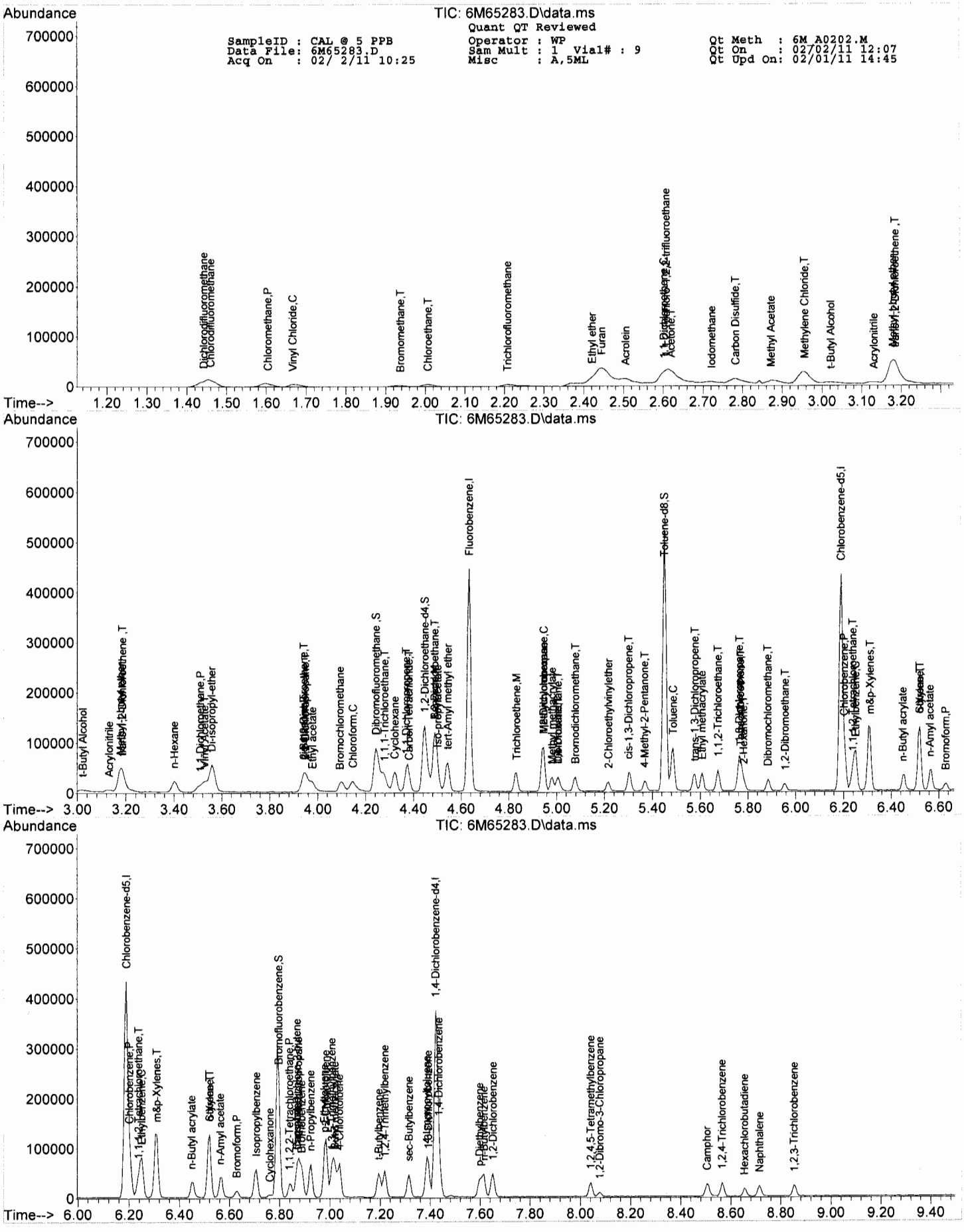
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65283.D Sam Mult : 1 Vial# : 9 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:25 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.202	112	18403	4.60	ug/l	97
70)	n-Butyl acrylate	6.449	55	12133	2.97	ug/l	94
71)	n-Amyl acetate	6.563	43	16737	3.48	ug/l	92
72)	Bromoform	6.629	173	3770	3.79	ug/l	95
73)	Ethylbenzene	6.250	106	7550	4.30	ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.840	83	9287	4.54	ug/l	91
76)	Styrene	6.521	104	15779	4.24	ug/l	97
77)	m&p-Xylenes	6.311	106	19281	9.43	ug/l	97
78)	o-Xylene	6.521	106	9428	4.54	ug/l	80
79)	trans-1,4-Dichloro-2-b...	6.870	53	4155	4.54	ug/l	78
80)	1,3-Dichlorobenzene	7.393	146	11139	4.61	ug/l	93
81)	1,4-Dichlorobenzene	7.435	146	12185m	4.60	ug/l	
82)	1,2-Dichlorobenzene	7.651	146	11335	4.55	ug/l	90
83)	Isopropylbenzene	6.707	105	19652	3.76	ug/l	97
84)	Cyclohexanone	6.761	55	1533	20.91	ug/l	79
85)	Camphene	6.870	93	5199	3.61	ug/l	93
86)	1,2,3-Trichloropropane	6.876	75	10610	4.70	ug/l	81
87)	2-Chlorotoluene	6.984	91	23096	5.30	ug/l	94
88)	p-Ethyltoluene	6.978	105	24336	4.38	ug/l	78
89)	4-Chlorotoluene	7.038	91	24264	5.27	ug/l	93
90)	n-Propylbenzene	6.924	91	29468	4.23	ug/l	97
91)	Bromobenzene	6.888	77	19178	4.56	ug/l	86
92)	1,3,5-Trimethylbenzene	7.008	105	18147	4.41	ug/l	94
93)	Butyl methacrylate	7.020	41	15786	3.95	ug/l	94
94)	t-Butylbenzene	7.194	119	13235	3.66	ug/l	91
95)	1,2,4-Trimethylbenzene	7.218	105	17396	3.95	ug/l	94
96)	sec-Butylbenzene	7.314	105	17719	3.79	ug/l	90
97)	4-Isopropyltoluene	7.387	119	12875	3.89	ug/l	94
98)	n-Butylbenzene	7.615	91	16878	3.85	ug/l	91
99)	p-Diethylbenzene	7.597	119	6067	3.30	ug/l	96
100)	1,2,4,5-Tetramethylben...	8.042	119	9063	2.84	ug/l	95
101)	1,2-Dibromo-3-Chloropr...	8.078	157	926	3.36	ug/l	87
102)	Camphor	8.505	95	3251	28.46	ug/l	97
103)	Hexachlorobutadiene	8.655	225	1834	4.08	ug/l	95
104)	1,2,4-Trichlorobenzene	8.565	180	4532	3.58	ug/l	95
105)	1,2,3-Trichlorobenzene	8.853	180	4171	3.65	ug/l	94
106)	Naphthalene	8.715	128	9217	2.77	ug/l	100

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


Abundance
TIC: 6M65283.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 6M65283.D
Acq On : 02/ 2/11 10:25
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65289.D Sam Mult : 1 Vial# : 15 Qt On : 02/02/11 12:25
Acq On : 02/ 2/11 12:13 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.633	96	192199	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	116551	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.423	152	53791	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.243	111	51204	28.83	ug/l		0.00
Spiked Amount 30.000			Recovery = 96.10%				
38) 1,2-Dichloroethane-d4	4.447	67	36517	29.78	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.27%				
65) Toluene-d8	5.451	98	173644	30.23	ug/l		0.01
Spiked Amount 30.000			Recovery = 100.77%				
75) Bromofluorobenzene	6.798	174	43455	28.48	ug/l		0.01
Spiked Amount 30.000			Recovery = 94.93%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.459	51	40410	10.22	ug/l		92
6) Dichlorodifluoromethane	1.448	85	21842	8.50	ug/l		90
7) Chloromethane	1.603	50	21748	8.43	ug/l		84
8) Bromomethane	1.937	94	8897	8.87	ug/l		95
9) Vinyl Chloride	1.673	62	17374	9.57	ug/l		96
10) Chloroethane	2.007	64	11869	10.11	ug/l		91
11) Trichlorofluoromethane	2.220	101	14310	9.41	ug/l		86
12) Ethyl ether	2.427	59	14620	8.45	ug/l		98
13) Furan	2.451	39	52394	7.65	ug/l		73
14) 1,1,2-Trichloro-1,2,2-...	2.614	101	7325	8.24	ug/l		85
15) Methylene Chloride	2.956	84	22755	10.20	ug/l		74
16) Acrolein	2.512	56	14007	42.49	ug/l		91
17) Acrylonitrile	3.131	53	8889	10.53	ug/l		98
18) Iodomethane	2.722	142	19822	14.50	ug/l		85
19) Acetone	2.620	43	42078	49.19	ug/l		98
20) Carbon Disulfide	2.788	76	36634	8.93	ug/l		100
21) t-Butyl Alcohol	3.028	59	7017	47.03	ug/l		95
22) n-Hexane	3.407	57	15522	11.32	ug/l		99
23) Di-isopropyl-ether	3.563	45	94314	10.78	ug/l		96
24) 1,1-Dichloroethene	2.608	61	31180	9.31	ug/l		95
25) Methyl Acetate	2.878	43	25980	10.38	ug/l		100
26) Methyl-t-butyl ether	3.185	73	42735	10.79	ug/l		80
27) 1,1-Dichloroethane	3.509	63	41300	9.95	ug/l		92
28) trans-1,2-Dichloroethene	3.185	96	17413	9.96	ug/l		74
29) cis-1,2-Dichloroethene	3.948	61	39916	10.12	ug/l		97
30) Bromochloromethane	4.098	49	23619	10.50	ug/l	#	55
31) 2,2-Dichloropropane	3.954	77	18453	9.81	ug/l		93
32) Ethyl acetate	3.978	43	32031	10.04	ug/l		87
33) 1,4-Dioxane	5.006	88	8874	552.50	ug/l		54
34) 1,1-Dichloropropene	4.375	75	26393	10.77	ug/l		98
35) Chloroform	4.147	83	34052	10.16	ug/l		80
37) Cyclohexane	4.321	56	25620	10.36	ug/l		76
39) 1,2-Dichloroethane	4.489	62	31779	10.41	ug/l		99
40) 2-Butanone	3.942	43	12151	11.09	ug/l		93
41) 1,1,1-Trichloroethane	4.279	97	22652	9.87	ug/l		93
42) Carbon Tetrachloride	4.381	117	16712	9.99	ug/l		95
43) Vinyl Acetate	3.533	43	46535	8.67	ug/l		100
44) Bromodichloromethane	5.078	83	25599	10.49	ug/l		87
45) Methylcyclohexane	4.946	83	15444	10.52	ug/l		82
46) Dibromomethane	5.006	174	9212	10.88	ug/l	#	59
47) 1,2-Dichloropropane	4.946	63	22808	11.17	ug/l		99
48) Trichloroethene	4.832	130	15330	10.05	ug/l		93
49) Benzene	4.489	78	79992	11.38	ug/l		100
50) tert-Amyl methyl ether	4.543	73	45046	10.34	ug/l		77
52) Iso-propylacetate	4.501	43	49793	10.64	ug/l		85
53) Methyl methacrylate	4.982	41	26488	9.80	ug/l		84
54) Dibromochloromethane	5.890	129	14699	9.59	ug/l		94
55) 2-Chloroethylvinylether	5.217	63	11436	10.04	ug/l		74
56) cis-1,3-Dichloropropene	5.307	75	25358	9.85	ug/l		91
57) trans-1,3-Dichloropropene	5.577	75	20827	9.66	ug/l		97
58) Ethyl methacrylate	5.607	41	27052	9.62	ug/l		93
59) 1,1,2-Trichloroethane	5.673	97	15541	10.97	ug/l		95
60) 1,2-Dibromoethane	5.956	107	14723	10.07	ug/l		94
61) 1,3-Dichloropropane	5.764	76	28360	11.14	ug/l		93
62) 4-Methyl-2-Pentanone	5.373	43	27247	10.12	ug/l		97
63) 2-Hexanone	5.788	43	17360	9.44	ug/l		96
64) Tetrachloroethene	5.776	164	10858	10.55	ug/l		95
66) Toluene	5.487	92	41551	10.94	ug/l		86
67) 1,1,1,2-Tetrachloroethane	6.238	133	11632	10.06	ug/l		64

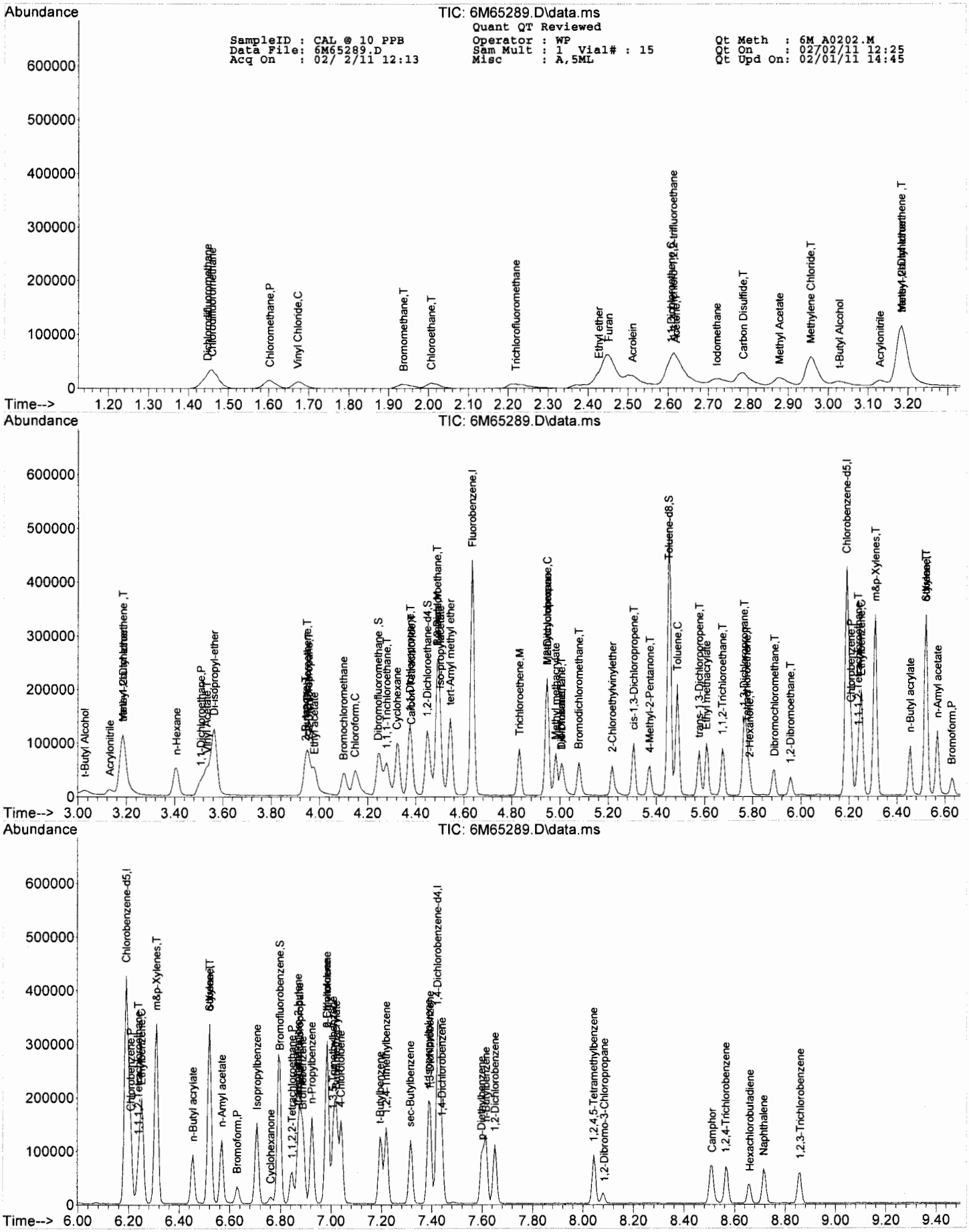
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65289.D Sam Mult : 1 Vial# : 15 Qt On : 02/02/11 12:25
Acq On : 02/ 2/11 12:13 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.208	112	40956	10.50 ug/l	100
70) n-Butyl acrylate	6.455	55	34762	8.59 ug/l	92
71) n-Amyl acetate	6.569	43	45540	9.55 ug/l	94
72) Bromoform	6.629	173	8855	8.98 ug/l	92
73) Ethylbenzene	6.250	106	19464	11.18 ug/l	95
74) 1,1,2,2-Tetrachloroethane	6.846	83	19898	9.81 ug/l	86
76) Styrene	6.521	104	41739	11.32 ug/l	97
77) m&p-Xylenes	6.311	106	48761	24.08 ug/l	96
78) o-Xylene	6.521	106	24208	11.77 ug/l	82
79) trans-1,4-Dichloro-2-b...	6.870	53	9301	10.25 ug/l	84
80) 1,3-Dichlorobenzene	7.393	146	26914	11.26 ug/l	91
81) 1,4-Dichlorobenzene	7.441	146	28299	10.79 ug/l	93
82) 1,2-Dichlorobenzene	7.651	146	25995	10.53 ug/l	92
83) Isopropylbenzene	6.707	105	52891	10.21 ug/l	97
84) Cyclohexanone	6.761	55	3605	49.62 ug/l	84
85) Camphene	6.870	93	14893	10.45 ug/l	91
86) 1,2,3-Trichloropropane	6.876	75	24763	11.08 ug/l	82
87) 2-Chlorotoluene	6.984	91	54400	12.60 ug/l	93
88) p-Ethyltoluene	6.984	105	64068	11.63 ug/l	78
89) 4-Chlorotoluene	7.038	91	51632	11.32 ug/l	94
90) n-Propylbenzene	6.924	91	73779	10.68 ug/l	96
91) Bromobenzene	6.888	77	45018	10.80 ug/l	86
92) 1,3,5-Trimethylbenzene	7.008	105	47593	11.67 ug/l	96
93) Butyl methacrylate	7.020	41	38947	9.84 ug/l	98
94) t-Butylbenzene	7.194	119	35894	10.03 ug/l	92
95) 1,2,4-Trimethylbenzene	7.218	105	47783	10.96 ug/l	94
96) sec-Butylbenzene	7.314	105	48706	10.53 ug/l	91
97) 4-Isopropyltoluene	7.387	119	36278	11.06 ug/l	93
98) n-Butylbenzene	7.615	91	48150	11.09 ug/l	88
99) p-Diethylbenzene	7.597	119	18084	9.93 ug/l	96
100) 1,2,4,5-Tetramethylben...	8.042	119	28533	9.01 ug/l	98
101) 1,2-Dibromo-3-Chloropr...	8.084	157	2635	9.67 ug/l	96
102) Camphor	8.511	95	10844	95.83 ug/l	97
103) Hexachlorobutadiene	8.661	225	4744	10.66 ug/l	96
104) 1,2,4-Trichlorobenzene	8.565	180	13102	10.45 ug/l	95
105) 1,2,3-Trichlorobenzene	8.859	180	11226	9.93 ug/l	98
106) Naphthalene	8.715	128	30323	9.20 ug/l	100

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


Abundance
TIC: 6M65289.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 6M65289.D
Acq On : 02/ 2/11 12:13
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:25
Qt Upd On: 02/01/11 14:45
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65287.D Sam Mult : 1 Vial# : 13 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:40 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.633	96	181367	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.190	117	112848	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.422	152	49873	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.242	111	47929	28.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.33%			
38) 1,2-Dichloroethane-d4	4.447	67	33485	28.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.47%			
65) Toluene-d8	5.450	98	167942	30.19	ug/l	0.01
Spiked Amount 30.000			Recovery = 100.63%			
75) Bromofluorobenzene	6.797	174	40603	28.71	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.70%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.465	51	167533	44.91	ug/l	95
6) Dichlorodifluoromethane	1.448	85	106869	44.09	ug/l	88
7) Chloromethane	1.603	50	101830	41.82	ug/l	81
8) Bromomethane	1.937	94	54071	57.13	ug/l	87
9) Vinyl Chloride	1.678	62	80725	47.13	ug/l	99
10) Chloroethane	2.006	64	52082	47.03	ug/l	94
11) Trichlorofluoromethane	2.208	101	64870	45.21	ug/l	86
12) Ethyl ether	2.427	59	91010	55.73	ug/l	89
13) Furan	2.445	39	326836	50.57	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.607	101	49950	59.54	ug/l	90
15) Methylene Chloride	2.956	84	105884	50.31	ug/l	76
16) Acrolein	2.505	56	90601	291.24	ug/l	97
17) Acrylonitrile	3.130	53	40167	50.40	ug/l	99
18) Iodomethane	2.715	142	87217	67.59	ug/l	85
19) Acetone	2.619	43	228074	282.52	ug/l	97
20) Carbon Disulfide	2.781	76	181102	46.77	ug/l	100
21) t-Butyl Alcohol	3.028	59	36891	262.03	ug/l	83
22) n-Hexane	3.407	57	83841	64.79	ug/l	92
23) Di-isopropyl-ether	3.557	45	478370	57.93	ug/l	96
24) 1,1-Dichloroethene	2.601	61	178388	56.46	ug/l	93
25) Methyl Acetate	2.872	43	123503	52.31	ug/l	100
26) Methyl-t-butyl ether	3.178	73	217399	58.17	ug/l	79
27) 1,1-Dichloroethane	3.509	63	199171	50.87	ug/l	98
28) trans-1,2-Dichloroethene	3.184	96	84716	51.36	ug/l	79
29) cis-1,2-Dichloroethene	3.942	61	203611	54.68	ug/l	96
30) Bromochloromethane	4.098	49	105558	49.74	ug/l	59
31) 2,2-Dichloropropane	3.954	77	101287	57.07	ug/l	96
32) Ethyl acetate	3.978	43	161238	53.58	ug/l	87
33) 1,4-Dioxane	5.006	88	45882	3027.22	ug/l	63
34) 1,1-Dichloropropene	4.368	75	130671	56.49	ug/l	96
35) Chloroform	4.146	83	160825	50.84	ug/l	87
37) Cyclohexane	4.320	56	141276	60.56	ug/l	77
39) 1,2-Dichloroethane	4.489	62	151251	52.51	ug/l	92
40) 2-Butanone	3.942	43	54151	52.37	ug/l	87
41) 1,1,1-Trichloroethane	4.278	97	110241	50.90	ug/l	95
42) Carbon Tetrachloride	4.380	117	81981	51.96	ug/l	96
43) Vinyl Acetate	3.533	43	280177	55.35	ug/l	100
44) Bromodichloromethane	5.078	83	119349	51.84	ug/l	92
45) Methylcyclohexane	4.945	83	87438	63.14	ug/l	75
46) Dibromomethane	5.006	174	43087	53.91	ug/l	93
47) 1,2-Dichloropropane	4.945	63	106957	55.49	ug/l	94
48) Trichloroethene	4.831	130	76134	52.91	ug/l	89
49) Benzene	4.489	78	367476	55.41	ug/l	100
50) tert-Amyl methyl ether	4.543	73	235868	57.38	ug/l	71
52) Iso-propylacetate	4.501	43	246365	54.35	ug/l	85
53) Methyl methacrylate	4.981	41	145819	55.71	ug/l	84
54) Dibromochloromethane	5.883	129	76944	51.83	ug/l	97
55) 2-Chloroethylvinylether	5.216	63	65736	59.63	ug/l	77
56) cis-1,3-Dichloropropene	5.306	75	141078	56.63	ug/l	89
57) trans-1,3-Dichloropropene	5.577	75	119488	57.22	ug/l	99
58) Ethyl methacrylate	5.607	41	150336	55.22	ug/l	94
59) 1,1,2-Trichloroethane	5.673	97	71241	51.96	ug/l	93
60) 1,2-Dibromoethane	5.955	107	73538	51.96	ug/l	88
61) 1,3-Dichloropropane	5.763	76	138340	56.14	ug/l	95
62) 4-Methyl-2-Pentanone	5.366	43	147211	56.49	ug/l	94
63) 2-Hexanone	5.781	43	101661	57.10	ug/l	90
64) Tetrachloroethene	5.775	164	52564	52.73	ug/l	97
66) Toluene	5.486	92	202032	54.92	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.238	133	59212	52.89	ug/l	62

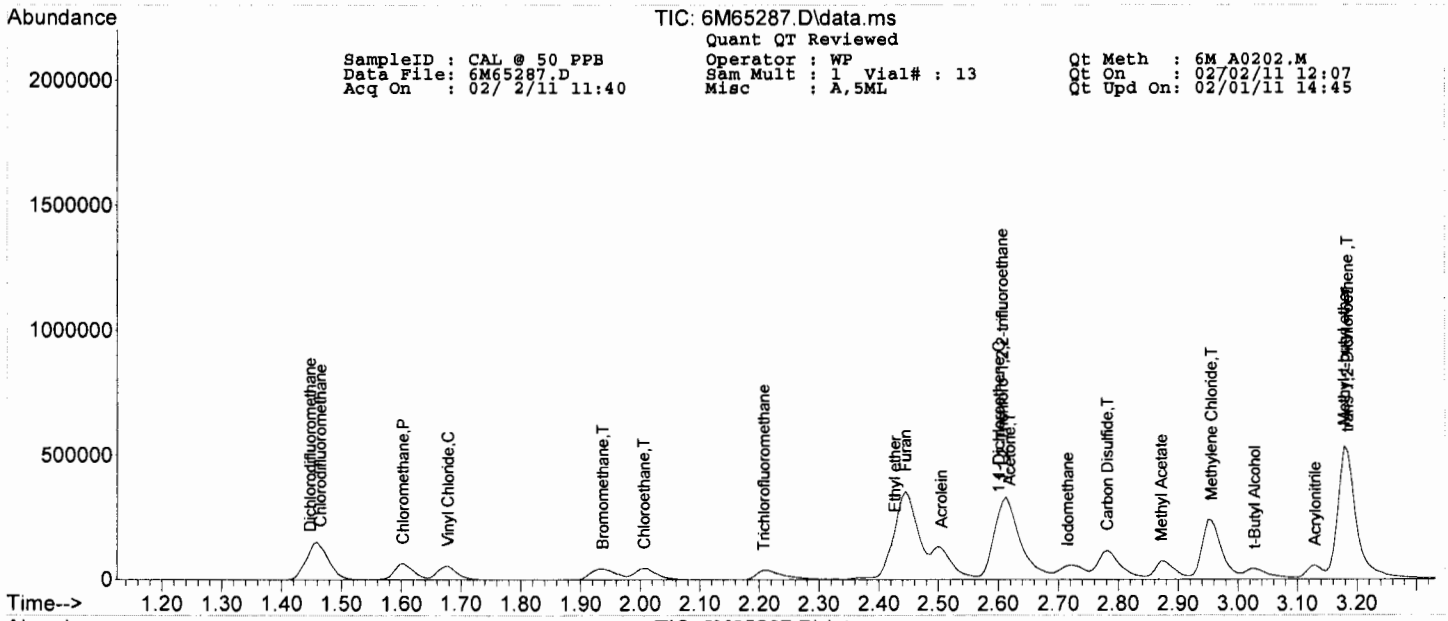
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65287.D Sam Mult : 1 Vial# : 13 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:40 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.202	112	205732	54.46 ug/l	100
70)	n-Butyl acrylate	6.454	55	210890	56.22 ug/l	93
71)	n-Amyl acetate	6.562	43	247800	56.02 ug/l	96
72)	Bromoform	6.629	173	47009	51.43 ug/l	95
73)	Ethylbenzene	6.250	106	99400	61.58 ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.845	83	96358	51.24 ug/l	90
76)	Styrene	6.520	104	208915	61.11 ug/l	98
77)	m&p-Xylenes	6.310	106	237383	126.44 ug/l	99
78)	o-Xylene	6.520	106	116416	61.06 ug/l	87
79)	trans-1,4-Dichloro-2-b...	6.869	53	49808	59.23 ug/l	70
80)	1,3-Dichlorobenzene	7.392	146	123973	55.92 ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	125491	51.60 ug/l	92
82)	1,2-Dichlorobenzene	7.650	146	120134	52.48 ug/l	95
83)	Isopropylbenzene	6.707	105	286300	59.60 ug/l	98
84)	Cyclohexanone	6.761	55	18711	277.80 ug/l	88
85)	Camphene	6.869	93	77164	58.38 ug/l	94
86)	1,2,3-Trichloropropane	6.875	75	118862	57.37 ug/l	81
87)	2-Chlorotoluene	6.983	91	247740	61.87 ug/l	93
88)	p-Ethyltoluene	6.983	105	316627	61.99 ug/l	79
89)	4-Chlorotoluene	7.037	91	239040	56.54 ug/l	95
90)	n-Propylbenzene	6.923	91	367143	57.34 ug/l	96
91)	Bromobenzene	6.887	77	215810	55.86 ug/l	85
92)	1,3,5-Trimethylbenzene	7.007	105	229452	60.70 ug/l	95
93)	Butyl methacrylate	7.019	41	202875	55.29 ug/l	93
94)	t-Butylbenzene	7.194	119	197736	59.59 ug/l	88
95)	1,2,4-Trimethylbenzene	7.218	105	240303	59.45 ug/l	93
96)	sec-Butylbenzene	7.314	105	256210	59.74 ug/l	95
97)	4-Isopropyltoluene	7.386	119	193231	63.52 ug/l	93
98)	n-Butylbenzene	7.614	91	242483	60.22 ug/l	87
99)	p-Diethylbenzene	7.596	119	105244	62.31 ug/l	97
100)	1,2,4,5-Tetramethylben...	8.041	119	188673	64.29 ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.077	157	13683	54.13 ug/l	94
102)	Camphor	8.504	95	73687	702.33 ug/l	98
103)	Hexachlorobutadiene	8.660	225	22571	54.69 ug/l	98
104)	1,2,4-Trichlorobenzene	8.564	180	65831	56.61 ug/l	96
105)	1,2,3-Trichlorobenzene	8.859	180	60278	57.49 ug/l	98
106)	Naphthalene	8.714	128	186312	60.97 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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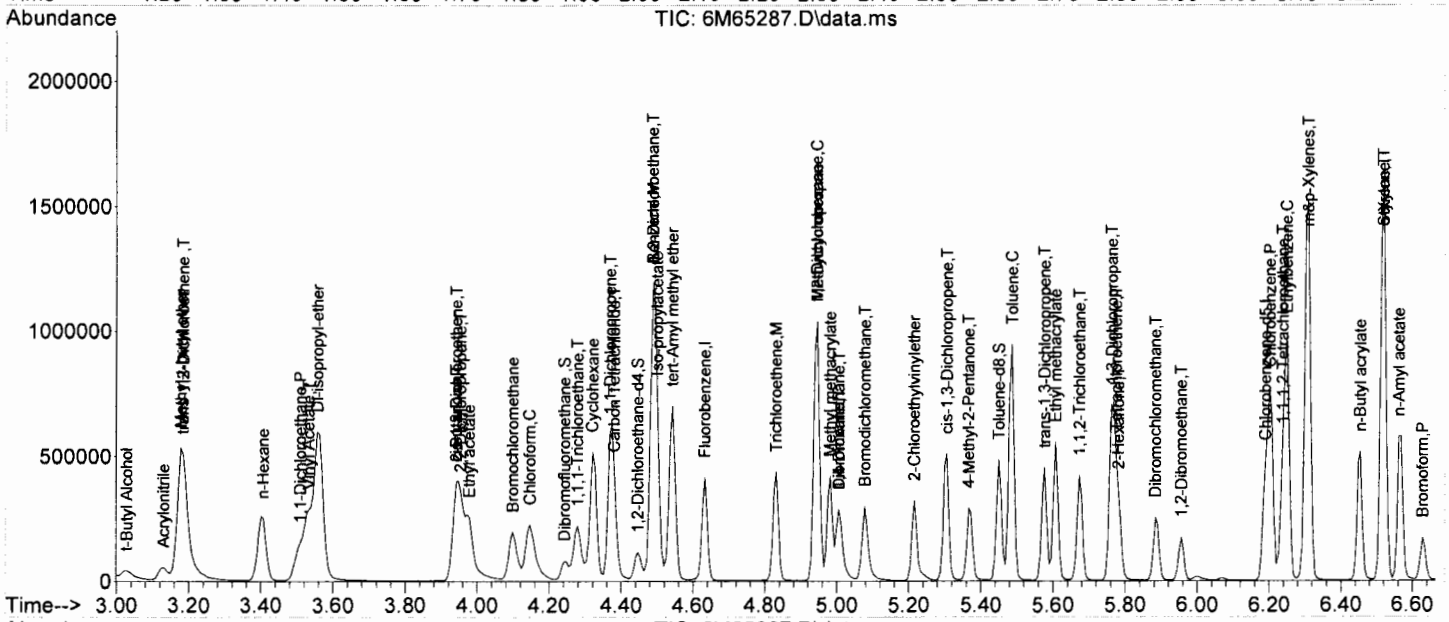
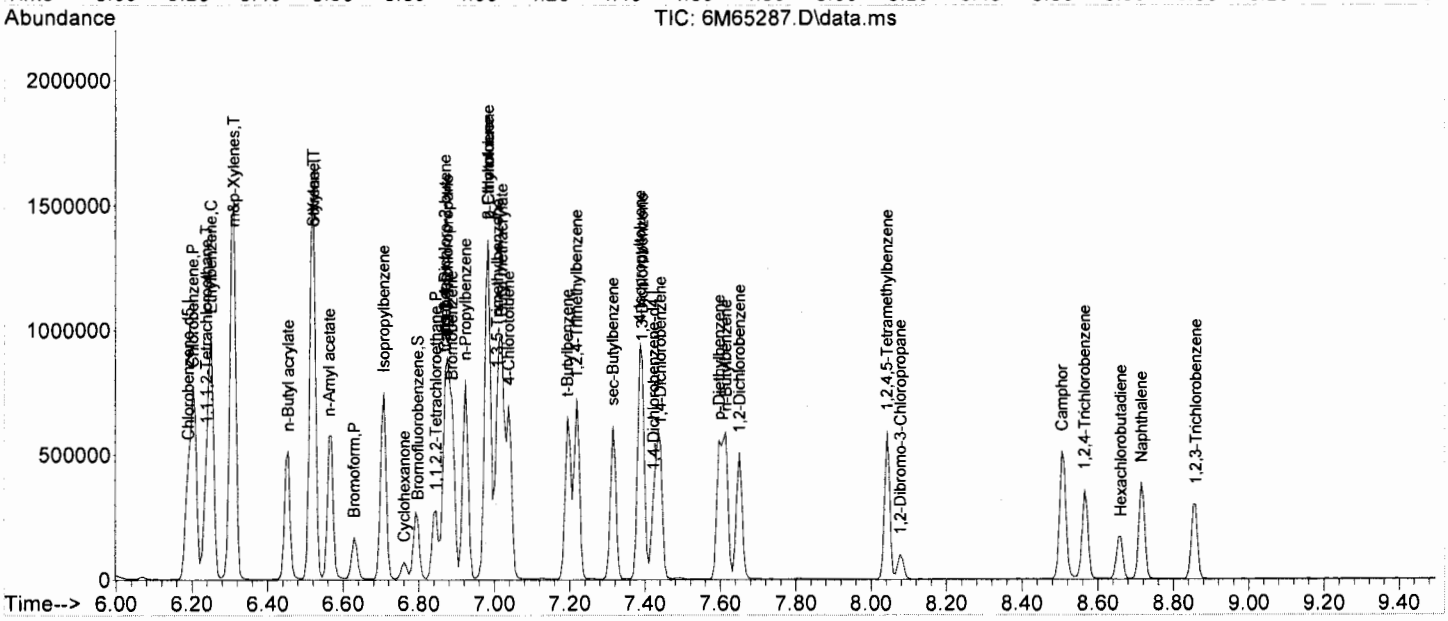
SampleID : CAL @ 50 PPB
Data File: 6M65287.D
Acq On : 02/ 2/11 11:40
Quant QT Reviewed
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Dichlorodifluoromethane
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65287.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65287.D\data.ms
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65286.D Sam Mult : 1 Vial# : 12 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:22 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.634	96	169305	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.191	117	104594	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.423	152	46257	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.244	111	45085	28.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.03%			
38) 1,2-Dichloroethane-d4	4.448	67	31009	28.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.70%			
65) Toluene-d8	5.452	98	157466	30.54	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.80%			
75) Bromofluorobenzene	6.792	174	37568	28.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.47%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.459	51	350276	100.58	ug/l	97
6) Dichlorodifluoromethane	1.448	85	218819	96.71	ug/l	86
7) Chloromethane	1.597	50	213561	93.97	ug/l	79
8) Bromomethane	1.937	94	124739	141.19	ug/l	89
9) Vinyl Chloride	1.672	62	168063	105.11	ug/l	99
10) Chloroethane	2.006	64	103362	99.99	ug/l	95
11) Trichlorofluoromethane	2.213	101	134469	100.38	ug/l	84
12) Ethyl ether	2.428	59	135161	88.66	ug/l	91
13) Furan	2.446	39	489760	81.18	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.608	101	97246	124.18	ug/l	88
15) Methylene Chloride	2.957	84	200748	102.19	ug/l	75
16) Acrolein	2.506	56	140255	482.98	ug/l	100
17) Acrylonitrile	3.131	53	84481	113.56	ug/l	97
18) Iodomethane	2.723	142	136730	113.51	ug/l	87
19) Acetone	2.620	43	364500	483.69	ug/l	99
20) Carbon Disulfide	2.783	76	360543	99.74	ug/l	100
21) t-Butyl Alcohol	3.023	59	70719	538.09	ug/l	78
22) n-Hexane	3.402	57	169448	140.27	ug/l	90
23) Di-isopropyl-ether	3.558	45	881782	114.38	ug/l	96
24) 1,1-Dichloroethene	2.602	61	305561	103.61	ug/l	92
25) Methyl Acetate	2.873	43	230685	104.66	ug/l	100
26) Methyl-t-butyl ether	3.180	73	402358	115.33	ug/l	78
27) 1,1-Dichloroethane	3.510	63	379030	103.70	ug/l	99
28) trans-1,2-Dichloroethene	3.180	96	163518	106.19	ug/l	86
29) cis-1,2-Dichloroethene	3.943	61	385871	111.01	ug/l	97
30) Bromochloromethane	4.099	49	197289	99.59	ug/l	59
31) 2,2-Dichloropropane	3.955	77	199563	120.46	ug/l	96
32) Ethyl acetate	3.979	43	293403	104.44	ug/l	88
33) 1,4-Dioxane	5.007	88	85494	6042.64	ug/l	59
34) 1,1-Dichloropropene	4.370	75	249138	115.37	ug/l	96
35) Chloroform	4.147	83	310238	105.06	ug/l	85
37) Cyclohexane	4.322	56	280951	129.02	ug/l	77
39) 1,2-Dichloroethane	4.490	62	274064	101.93	ug/l	93
40) 2-Butanone	3.937	43	101712	105.38	ug/l	89
41) 1,1,1-Trichloroethane	4.280	97	216072	106.87	ug/l	96
42) Carbon Tetrachloride	4.382	117	158654	107.71	ug/l	88
43) Vinyl Acetate	3.534	43	533247m	112.85	ug/l	
44) Bromodichloromethane	5.079	83	226712	105.48	ug/l	91
45) Methylcyclohexane	4.947	83	166937	129.14	ug/l	76
46) Dibromomethane	5.007	174	77547	103.93	ug/l	92
47) 1,2-Dichloropropane	4.947	63	201265	111.86	ug/l	98
48) Trichloroethene	4.833	130	145714	108.48	ug/l	91
49) Benzene	4.490	78	668372	107.96	ug/l	100
50) tert-Amyl methyl ether	4.544	73	436881	113.85	ug/l	71
52) Iso-propylacetate	4.502	43	455895	108.51	ug/l	86
53) Methyl methacrylate	4.983	41	276390	113.92	ug/l	83
54) Dibromochloromethane	5.885	129	146377	106.38	ug/l	96
55) 2-Chloroethylvinylether	5.217	63	130329	127.56	ug/l	76
56) cis-1,3-Dichloropropene	5.307	75	271014	117.36	ug/l	90
57) trans-1,3-Dichloropropene	5.578	75	226305	116.93	ug/l	100
58) Ethyl methacrylate	5.608	41	287397	113.90	ug/l	93
59) 1,1,2-Trichloroethane	5.674	97	133702	105.20	ug/l	92
60) 1,2-Dibromoethane	5.957	107	137524	104.84	ug/l	98
61) 1,3-Dichloropropane	5.764	76	247921	108.56	ug/l	97
62) 4-Methyl-2-Pentanone	5.368	43	277879	115.05	ug/l	94
63) 2-Hexanone	5.782	43	188760	114.40	ug/l	91
64) Tetrachloroethene	5.776	164	97612	105.65	ug/l	97
66) Toluene	5.488	92	371008	108.80	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.239	133	110261	106.26	ug/l	66

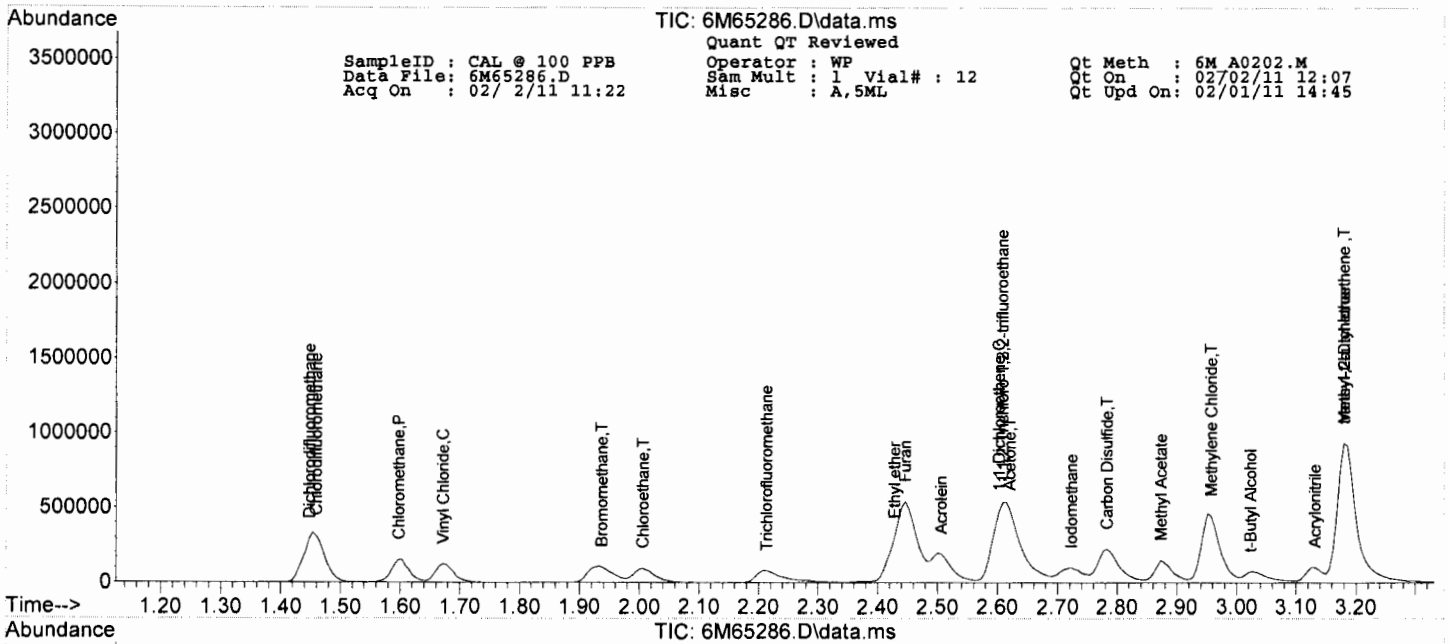
Quantitation Report (QT Reviewed)

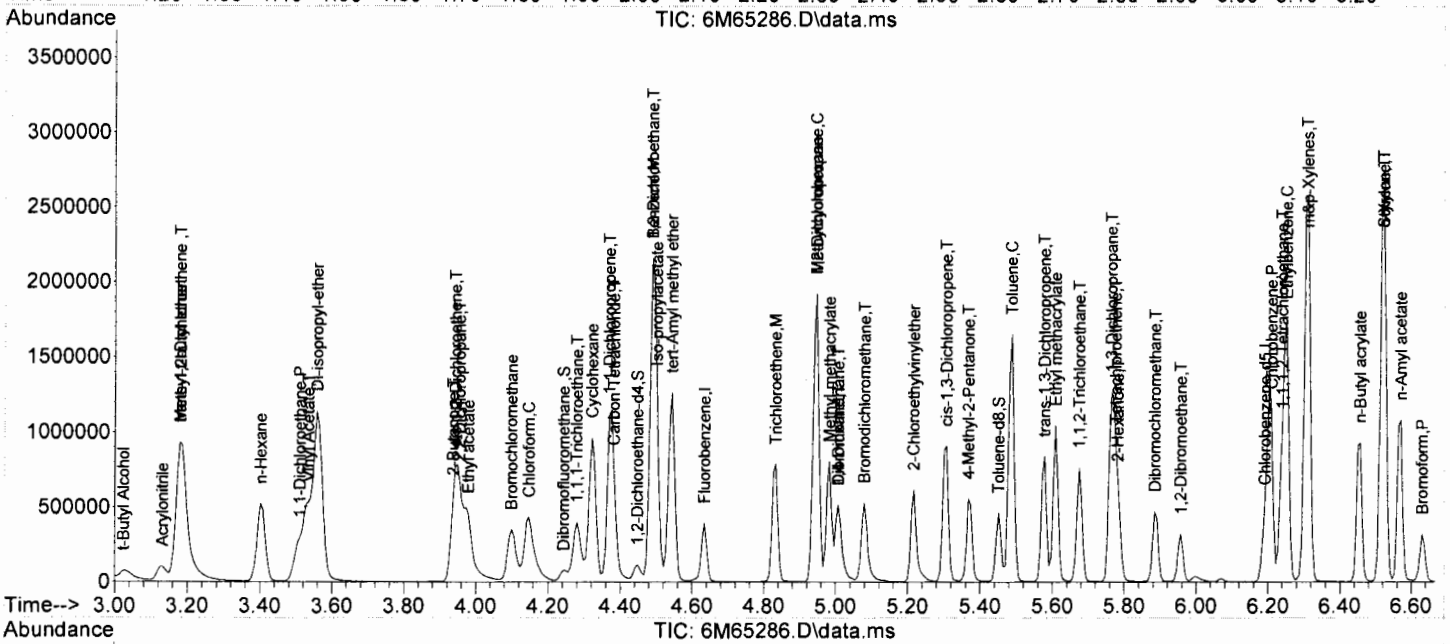
SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65286.D Sam Mult : 1 Vial# : 12 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:22 Misc : A,5ML Qt Upd On: 02/01/11 14:45

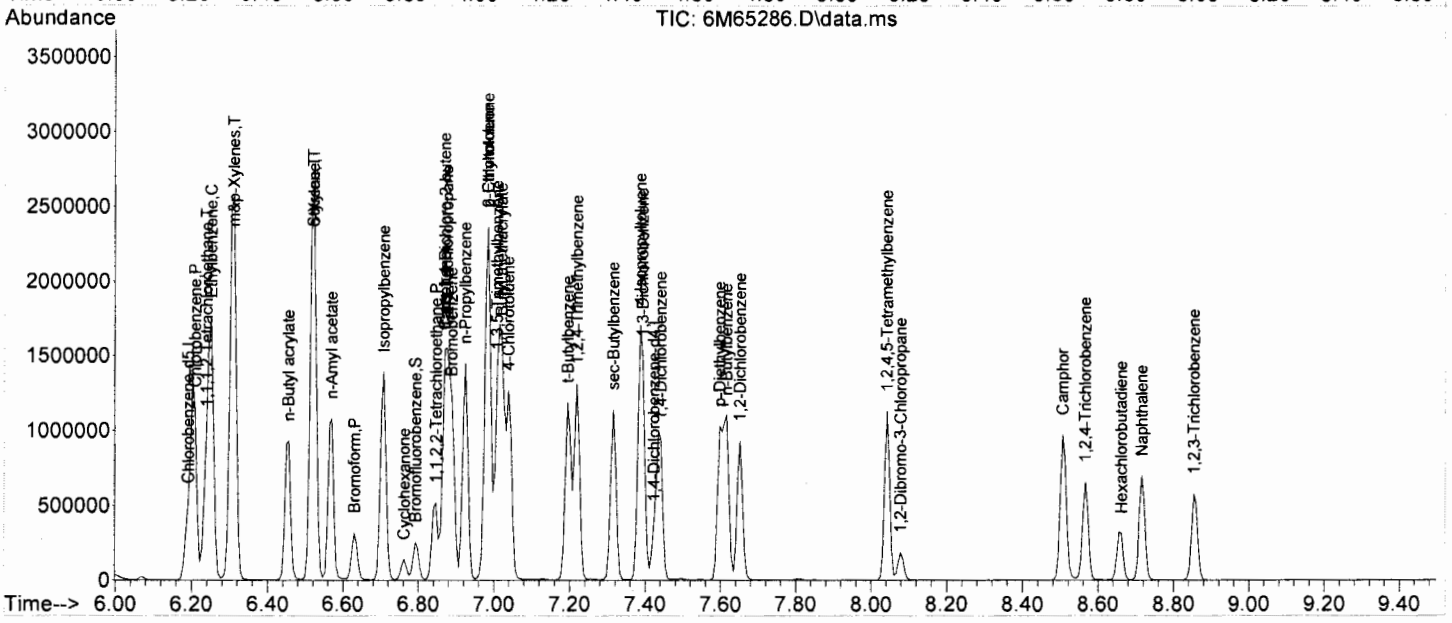
Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.209	112	366074	104.54	ug/l	99
70)	n-Butyl acrylate	6.456	55	400318	115.06	ug/l	93
71)	n-Amyl acetate	6.570	43	457023	111.40	ug/l	97
72)	Bromoform	6.630	173	88453	104.34	ug/l	98
73)	Ethylbenzene	6.251	106	178697	119.35	ug/l	98
74)	1,1,2,2-Tetrachloroethane	6.846	83	175672	100.72	ug/l	89
76)	Styrene	6.522	104	371383	117.12	ug/l	99
77)	m&p-Xylenes	6.311	106	417740	239.90	ug/l	98
78)	o-Xylene	6.522	106	202880	114.73	ug/l	84
79)	trans-1,4-Dichloro-2-b...	6.870	53	89620	114.90	ug/l	68
80)	1,3-Dichlorobenzene	7.393	146	217683	105.86	ug/l	92
81)	1,4-Dichlorobenzene	7.441	146	228769	101.43	ug/l	91
82)	1,2-Dichlorobenzene	7.652	146	219532	103.39	ug/l	94
83)	Isopropylbenzene	6.708	105	532865	119.61	ug/l	97
84)	Cyclohexanone	6.762	55	36278	580.71	ug/l	88
85)	Camphene	6.870	93	146127	119.19	ug/l	91
86)	1,2,3-Trichloropropane	6.876	75	210690	109.63	ug/l	80
87)	2-Chlorotoluene	6.985	91	426812	114.92	ug/l	93
88)	p-Ethyltoluene	6.985	105	562793	118.80	ug/l	79
89)	4-Chlorotoluene	7.039	91	431488	110.03	ug/l	95
90)	n-Propylbenzene	6.925	91	678786	114.31	ug/l	97
91)	Bromobenzene	6.888	77	385228	107.50	ug/l	85
92)	1,3,5-Trimethylbenzene	7.009	105	409863	116.90	ug/l	94
93)	Butyl methacrylate	7.021	41	363769	106.88	ug/l	93
94)	t-Butylbenzene	7.195	119	365107	118.63	ug/l	88
95)	1,2,4-Trimethylbenzene	7.219	105	438059	116.85	ug/l	93
96)	sec-Butylbenzene	7.315	105	481663	121.08	ug/l	94
97)	4-Isopropyltoluene	7.387	119	353733	125.38	ug/l	93
98)	n-Butylbenzene	7.616	91	453710	121.48	ug/l	86
99)	p-Diethylbenzene	7.598	119	201102	128.37	ug/l	97
100)	1,2,4,5-Tetramethylben...	8.043	119	357715	131.43	ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.079	157	26574	113.35	ug/l	90
102)	Camphor	8.505	95	136671	1404.47	ug/l	100
103)	Hexachlorobutadiene	8.662	225	41833	109.28	ug/l	94
104)	1,2,4-Trichlorobenzene	8.566	180	121684	112.83	ug/l	96
105)	1,2,3-Trichlorobenzene	8.854	180	112513	115.70	ug/l	99
106)	Naphthalene	8.716	128	344833	121.66	ug/l	100

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


Abundance
TIC: 6M65286.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 6M65286.D
Acq On : 02/ 2/11 11:22
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65286.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65286.D\data.ms
Isopropylbenzene
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65285.D Sam Mult : 1 Vial# : 11 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:06 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.633	96	168072	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.190	117	102970	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.428	152	45282	30.00	ug/l	0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.242	111	44808	28.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.17%			
38) 1,2-Dichloroethane-d4	4.447	67	30959	28.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.23%			
65) Toluene-d8	5.450	98	155045	30.55	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.83%			
75) Bromofluorobenzene	6.797	174	39367	30.65	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.465	51	872467	252.36	ug/l	95
6) Dichlorodifluoromethane	1.447	85	558352	248.58	ug/l	88
7) Chloromethane	1.603	50	572442	253.72	ug/l	78
8) Bromomethane	1.925	94	305608	348.44	ug/l	85
9) Vinyl Chloride	1.678	62	407285	256.60	ug/l	98
10) Chloroethane	2.006	64	251471	245.06	ug/l	96
11) Trichlorofluoromethane	2.207	101	368057	276.78	ug/l	85
12) Ethyl ether	2.421	59	356916	235.84	ug/l	92
13) Furan	2.445	39	1289470	215.31	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.607	101	254622	327.52	ug/l	88
15) Methylene Chloride	2.956	84	496701	254.69	ug/l	75
16) Acrolein	2.499	56	376332	1305.43	ug/l	99
17) Acrylonitrile	3.124	53	216674	293.39	ug/l	96
18) Iodomethane	2.727	142	280709	234.74	ug/l	87
19) Acetone	2.619	43	998568	1334.81	ug/l	100
20) Carbon Disulfide	2.781	76	907184	252.79	ug/l	100
21) t-Butyl Alcohol	3.028	59	187112	1434.14	ug/l	82
22) n-Hexane	3.401	57	418400	348.90	ug/l	90
23) Di-isopropyl-ether	3.557	45	2138530	279.44	ug/l	96
24) 1,1-Dichloroethene	2.595	61	813599	277.89	ug/l	90
25) Methyl Acetate	2.872	43	603514	275.82	ug/l	100
26) Methyl-t-butyl ether	3.184	73	996682	287.78	ug/l	76
27) 1,1-Dichloroethane	3.509	63	945170	260.50	ug/l	99
28) trans-1,2-Dichloroethene	3.178	96	396441	259.35	ug/l	85
29) cis-1,2-Dichloroethene	3.942	61	950449	275.45	ug/l	95
30) Bromochloromethane	4.098	49	516784	262.79	ug/l	59
31) 2,2-Dichloropropane	3.954	77	515438	313.41	ug/l	95
32) Ethyl acetate	3.978	43	752485	269.83	ug/l	87
33) 1,4-Dioxane	5.012	88	194408	13841.38	ug/l	61
34) 1,1-Dichloropropene	4.374	75	585520	273.13	ug/l	98
35) Chloroform	4.146	83	761471	259.77	ug/l	86
37) Cyclohexane	4.320	56	655019	303.00	ug/l	76
39) 1,2-Dichloroethane	4.489	62	637846	238.98	ug/l	92
40) 2-Butanone	3.936	43	242116	252.69	ug/l	90
41) 1,1,1-Trichloroethane	4.284	97	531439	264.77	ug/l	98
42) Carbon Tetrachloride	4.386	117	378992	259.18	ug/l	93
43) Vinyl Acetate	3.533	43	1310743m	279.42	ug/l	
44) Bromodichloromethane	5.078	83	568580	266.49	ug/l	93
45) Methylcyclohexane	4.946	83	367036	286.02	ug/l	76
46) Dibromomethane	5.006	174	195534	263.98	ug/l	94
47) 1,2-Dichloropropane	4.946	63	447951	250.79	ug/l	94
48) Trichloroethene	4.831	130	351280	263.44	ug/l	89
49) Benzene	4.489	78	1466008	238.53	ug/l	100
50) tert-Amyl methyl ether	4.543	73	1070388	280.99	ug/l	70
52) Iso-propylacetate	4.501	43	1098574	265.61	ug/l	87
53) Methyl methacrylate	4.982	41	687457	287.83	ug/l	84
54) Dibromochloromethane	5.889	129	378539	279.44	ug/l	98
55) 2-Chloroethylvinylether	5.216	63	335571	333.61	ug/l	76
56) cis-1,3-Dichloropropene	5.306	75	693468	305.05	ug/l	89
57) trans-1,3-Dichloropropene	5.577	75	606249	318.18	ug/l	100
58) Ethyl methacrylate	5.607	41	722376	290.79	ug/l	93
59) 1,1,2-Trichloroethane	5.679	97	326140	260.67	ug/l	92
60) 1,2-Dibromoethane	5.955	107	355563	275.34	ug/l	91
61) 1,3-Dichloropropane	5.763	76	565774	251.64	ug/l	99
62) 4-Methyl-2-Pentanone	5.372	43	723258	304.18	ug/l	95
63) 2-Hexanone	5.787	43	476129	293.10	ug/l	93
64) Tetrachloroethene	5.775	164	223344	245.55	ug/l	97
66) Toluene	5.487	92	861590	256.66	ug/l	93
67) 1,1,1,2-Tetrachloroethane	6.238	133	263827	258.27	ug/l	67

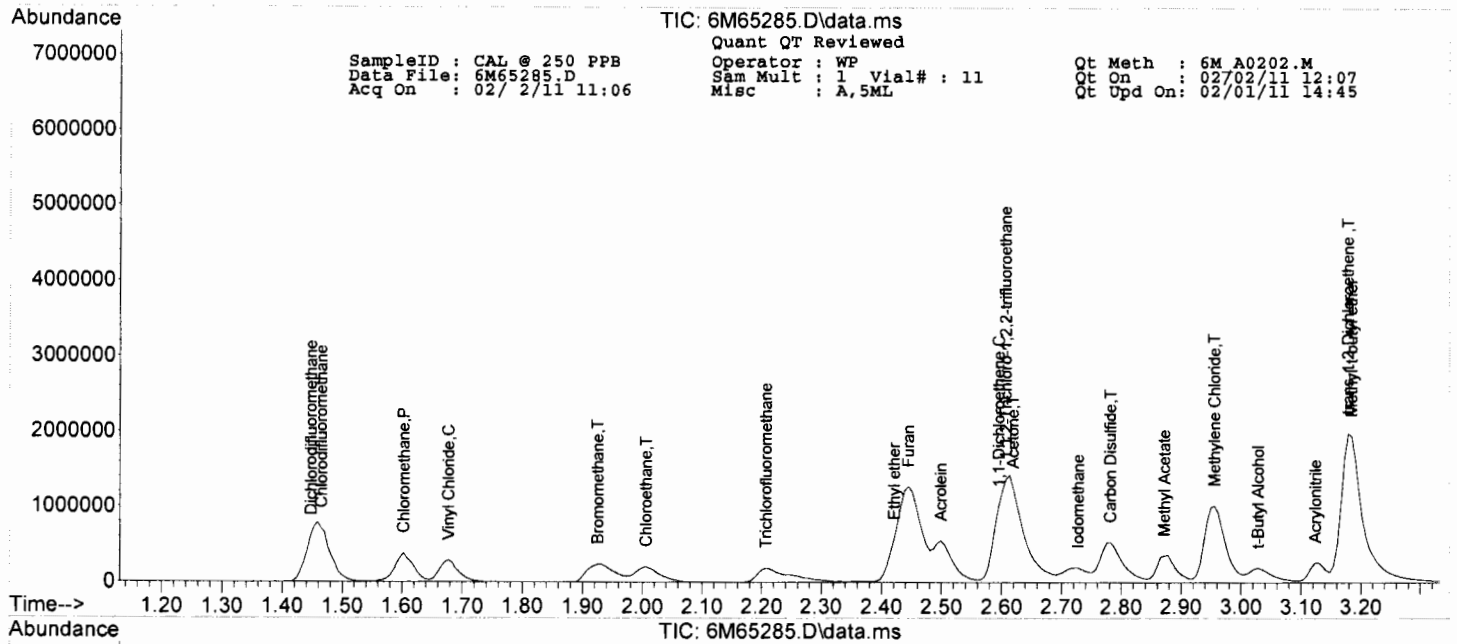
Quantitation Report (QT Reviewed)

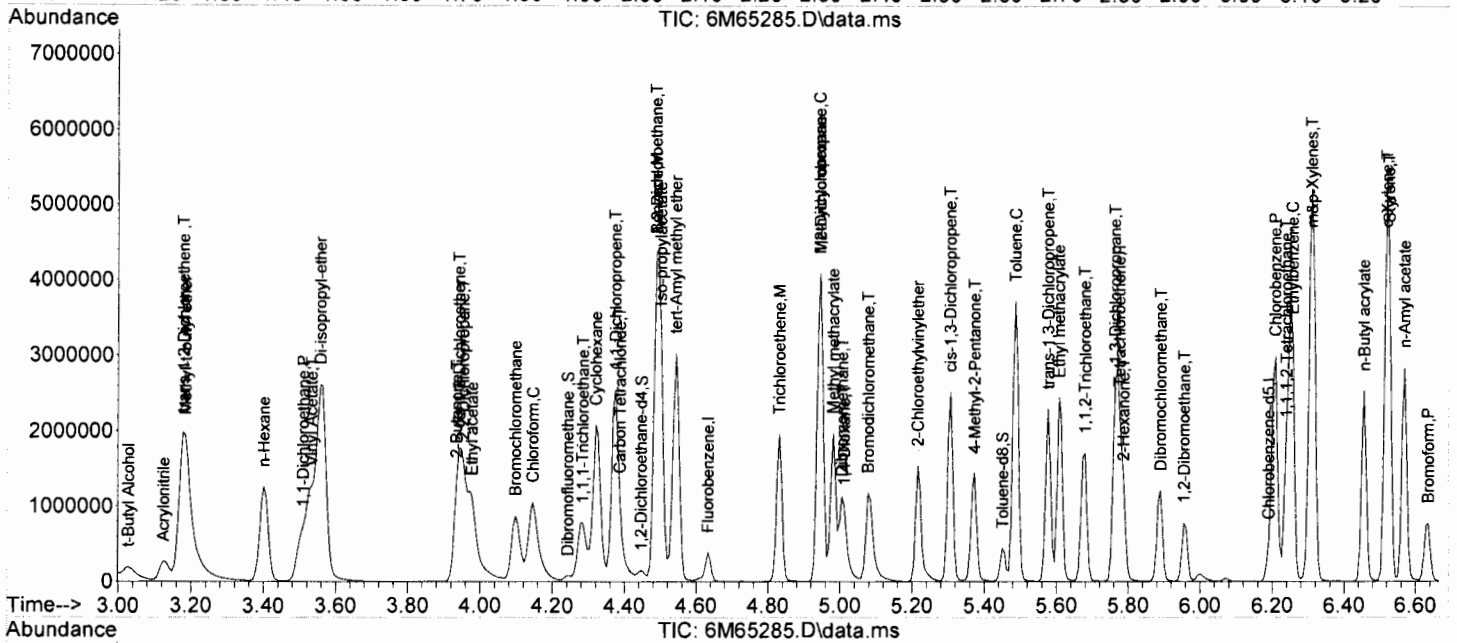
SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65285.D Sam Mult : 1 Vial# : 11 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 11:06 Misc : A,5ML Qt Upd On: 02/01/11 14:45

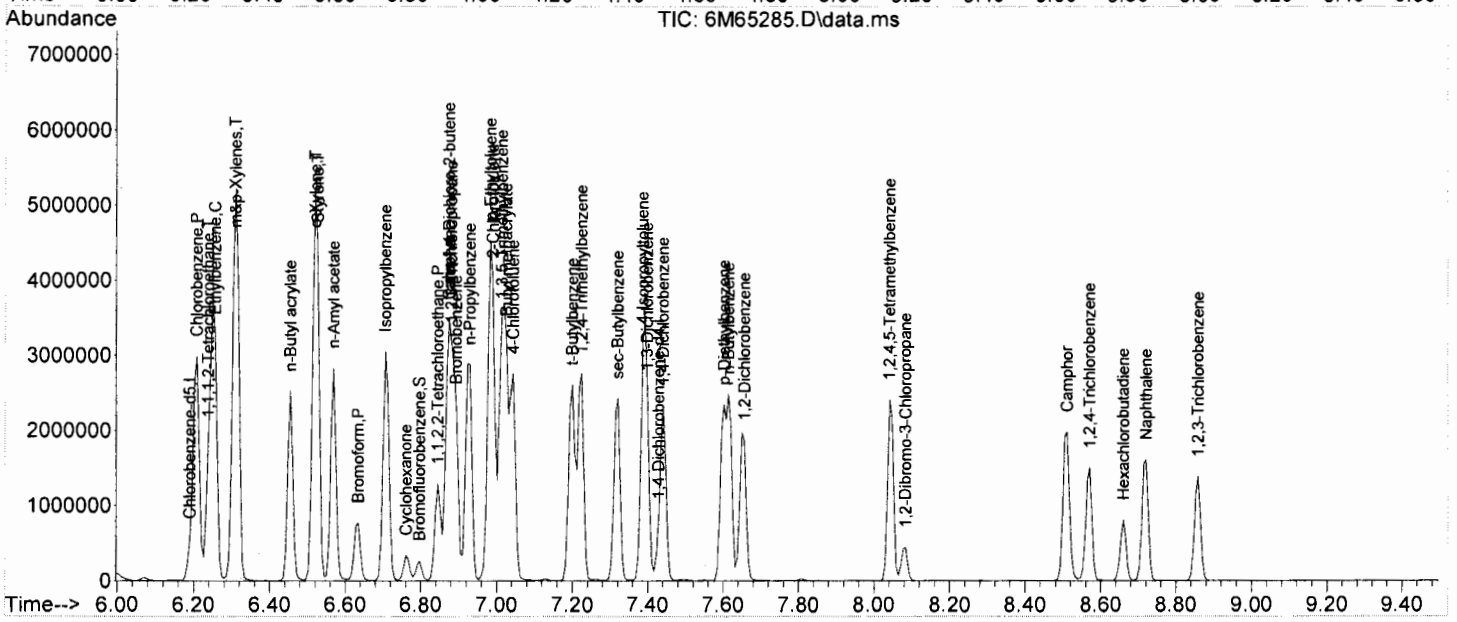
Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.208	112	869154	252.13	ug/l	98
70)	n-Butyl acrylate	6.454	55	1019779	299.43	ug/l	93
71)	n-Amyl acetate	6.569	43	1137358	283.21	ug/l	96
72)	Bromoform	6.635	173	238370	287.24	ug/l	97
73)	Ethylbenzene	6.256	106	367246	250.57	ug/l	95
74)	1,1,2,2-Tetrachloroethane	6.845	83	433470	253.87	ug/l	90
76)	Styrene	6.526	104	767331	247.20	ug/l	99
77)	m&p-Xylenes	6.310	106	865131	507.53	ug/l	95
78)	o-Xylene	6.520	106	417715	241.30	ug/l	91
79)	trans-1,4-Dichloro-2-b...	6.875	53	208331	272.85	ug/l	64
80)	1,3-Dichlorobenzene	7.398	146	491903	244.36	ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	561351	254.24	ug/l	88
82)	1,2-Dichlorobenzene	7.657	146	525218	252.69	ug/l	95
83)	Isopropylbenzene	6.707	105	1227854	281.54	ug/l	98
84)	Cyclohexanone	6.761	55	88806	1452.15	ug/l	88
85)	Camphene	6.875	93	317903	264.88	ug/l	93
86)	1,2,3-Trichloropropane	6.881	75	469987	249.83	ug/l	80
87)	2-Chlorotoluene	6.989	91	812882	223.59	ug/l	95
88)	p-Ethyltoluene	6.983	105	1253482	270.30	ug/l	74
89)	4-Chlorotoluene	7.043	91	971613	253.11	ug/l	94
90)	n-Propylbenzene	6.929	91	1555131	267.52	ug/l	96
91)	Bromobenzene	6.893	77	850304	242.40	ug/l	87
92)	1,3,5-Trimethylbenzene	7.013	105	822260	239.58	ug/l	86
93)	Butyl methacrylate	7.025	41	826322	248.02	ug/l	94
94)	t-Butylbenzene	7.200	119	857420	284.59	ug/l	87
95)	1,2,4-Trimethylbenzene	7.224	105	1012677	275.94	ug/l	92
96)	sec-Butylbenzene	7.320	105	1128208	289.72	ug/l	95
97)	4-Isopropyltoluene	7.386	119	778194	281.76	ug/l	93
98)	n-Butylbenzene	7.614	91	1023512	279.95	ug/l	86
99)	p-Diethylbenzene	7.602	119	461319	300.82	ug/l	97
100)	1,2,4,5-Tetramethylben...	8.041	119	856102	321.31	ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.083	157	67802	295.43	ug/l	94
102)	Camphor	8.510	95	299754	3146.68	ug/l	99
103)	Hexachlorobutadiene	8.660	225	98820	263.72	ug/l	96
104)	1,2,4-Trichlorobenzene	8.570	180	297920	282.19	ug/l	97
105)	1,2,3-Trichlorobenzene	8.859	180	275574	289.49	ug/l	99
106)	Naphthalene	8.721	128	856572	308.72	ug/l	100

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


Abundance
TIC: 6M65285.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 6M65285.D
Acq On : 02/ 2/11 11:06
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Dichlorodifluoromethane
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
1,1,2-trifluoroethane,C
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65285.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
Carbon Tetrachloride,C
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
tert-Amyl methyl ether
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65285.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Isopropylbenzene
Bromoform,P
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,S
p-Isopropyltoluene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65284.D Sam Mult : 1 Vial# : 10 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:48 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.634	96	167023	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.191	117	98229	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.424	152	43823	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.244	111	43906	28.44	ug/l		0.00
Spiked Amount 30.000			Recovery = 94.80%				
38) 1,2-Dichloroethane-d4	4.448	67	31186	29.27	ug/l		0.00
Spiked Amount 30.000			Recovery = 97.57%				
65) Toluene-d8	5.452	98	154887	31.99	ug/l		0.01
Spiked Amount 30.000			Recovery = 106.63%				
75) Bromofluorobenzene	6.798	174	38624	31.08	ug/l		0.01
Spiked Amount 30.000			Recovery = 103.60%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.465	51	1940040	564.67	ug/l		94
6) Dichlorodifluoromethane	1.447	85	1258258	563.71	ug/l		86
7) Chloromethane	1.609	50	1358727	606.00	ug/l		79
8) Bromomethane	1.920	94	495725	568.75	ug/l		86
9) Vinyl Chloride	1.678	62	870777	552.06	ug/l		98
10) Chloroethane	2.006	64	503225	493.47	ug/l		96
11) Trichlorofluoromethane	2.208	101	682081	516.15	ug/l		87
12) Ethyl ether	2.422	59	874615	581.55	ug/l		98
13) Furan	2.446	39	3000565	504.17	ug/l		75
14) 1,1,2-Trichloro-1,2,2-...	2.603	101	502558	650.50	ug/l		89
15) Methylene Chloride	2.951	84	938776	484.39	ug/l		71
16) Acrolein	2.500	56	844755	2948.71	ug/l		100
17) Acrylonitrile	3.126	53	409624	558.13	ug/l		97
18) Iodomethane	2.723	142	542377	456.40	ug/l		90
19) Acetone	2.615	43	1867139	2511.52	ug/l		99
20) Carbon Disulfide	2.777	76	1797689	504.09	ug/l		100
21) t-Butyl Alcohol	3.029	59	345448	2664.36	ug/l		86
22) n-Hexane	3.396	57	804854	675.38	ug/l		89
23) Di-isopropyl-ether	3.558	45	3684380	484.45	ug/l		96
24) 1,1-Dichloroethene	2.597	61	1627655	559.44	ug/l		94
25) Methyl Acetate	2.873	43	1144932	526.55	ug/l		100
26) Methyl-t-butyl ether	3.186	73	1748366	508.00	ug/l		77
27) 1,1-Dichloroethane	3.504	63	1728207	479.31	ug/l		97
28) trans-1,2-Dichloroethene	3.180	96	735474	484.16	ug/l		85
29) cis-1,2-Dichloroethene	3.937	61	1696124	494.64	ug/l		97
30) Bromochloromethane	4.093	49	953690	488.01	ug/l	#	55
31) 2,2-Dichloropropane	3.955	77	965802	590.94	ug/l		97
32) Ethyl acetate	3.979	43	1308778	472.25	ug/l		88
33) 1,4-Dioxane	5.007	88	333692	23907.27	ug/l		60
34) 1,1-Dichloropropene	4.370	75	989785	464.61	ug/l		96
35) Chloroform	4.141	83	1424519	489.02	ug/l		83
37) Cyclohexane	4.322	56	1190438	554.13	ug/l		74
39) 1,2-Dichloroethane	4.490	62	1056726	398.41	ug/l		93
40) 2-Butanone	3.937	43	430581	452.20	ug/l		90
41) 1,1,1-Trichloroethane	4.280	97	993235	497.95	ug/l		96
42) Carbon Tetrachloride	4.382	117	701183	482.53	ug/l		95
43) Vinyl Acetate	3.528	43	2423215m	519.82	ug/l		
44) Bromodichloromethane	5.079	83	1085826	512.12	ug/l		92
45) Methylcyclohexane	4.947	83	600861	471.17	ug/l		78
46) Dibromomethane	5.007	174	370167	502.88	ug/l		93
47) 1,2-Dichloropropane	4.941	63	709014	399.44	ug/l		95
48) Trichloroethene	4.833	130	614086	463.42	ug/l		92
49) Benzene	4.490	78	2287608	374.55	ug/l		100
50) tert-Amyl methyl ether	4.544	73	1788450	472.45	ug/l		72
52) Iso-propylacetate	4.502	43	1740580	441.14	ug/l		87
53) Methyl methacrylate	4.977	41	1213236	532.48	ug/l		85
54) Dibromochloromethane	5.885	129	709663	549.16	ug/l		97
55) 2-Chloroethylvinylether	5.218	63	609185	634.86	ug/l		77
56) cis-1,3-Dichloropropene	5.302	75	1233489	568.78	ug/l		89
57) trans-1,3-Dichloropropene	5.578	75	1077073	592.57	ug/l		100
58) Ethyl methacrylate	5.608	41	1258444	531.04	ug/l		92
59) 1,1,2-Trichloroethane	5.674	97	563671	472.27	ug/l		93
60) 1,2-Dibromoethane	5.957	107	650099	527.72	ug/l		93
61) 1,3-Dichloropropane	5.758	76	913680	426.00	ug/l		96
62) 4-Methyl-2-Pentanone	5.368	43	1333000	587.67	ug/l		93
63) 2-Hexanone	5.783	43	843330	544.21	ug/l		92
64) Tetrachloroethene	5.771	164	380176	438.15	ug/l		95
66) Toluene	5.488	92	1405773	438.98	ug/l		96
67) 1,1,1,2-Tetrachloroethane	6.239	133	448075	459.81	ug/l		71

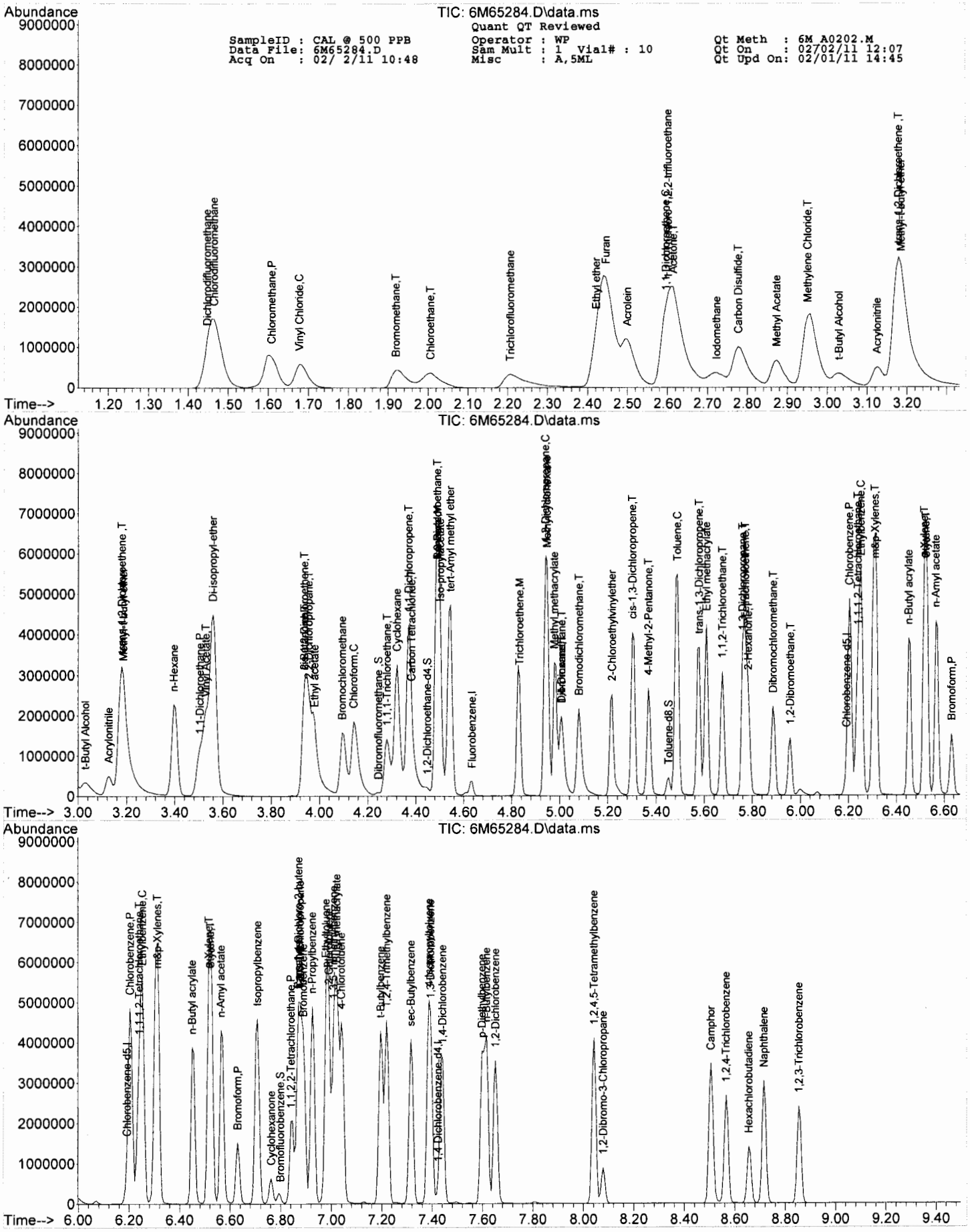
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65284.D Sam Mult : 1 Vial# : 10 Qt On : 02/02/11 12:07
Acq On : 02/ 2/11 10:48 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.203	112	1479846	450.00	ug/l	99
70)	n-Butyl acrylate	6.450	55	1796542	545.06	ug/l	92
71)	n-Amyl acetate	6.564	43	1947272	501.03	ug/l	97
72)	Bromoform	6.630	173	444469	553.43	ug/l	97
73)	Ethylbenzene	6.251	106	570688	402.34	ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.841	83	738598	446.98	ug/l	88
76)	Styrene	6.522	104	1110321	369.60	ug/l	92
77)	m&p-Xylenes	6.312	106	1255674	761.16	ug/l	97
78)	o-Xylene	6.516	106	629483	375.74	ug/l	90
79)	trans-1,4-Dichloro-2-b...	6.871	53	325941	441.09	ug/l	57
80)	1,3-Dichlorobenzene	7.394	146	789417	405.22	ug/l	92
81)	1,4-Dichlorobenzene	7.442	146	981305	459.23	ug/l	88
82)	1,2-Dichlorobenzene	7.652	146	946630	470.60	ug/l	94
83)	Isopropylbenzene	6.708	105	2069812	490.40	ug/l	97
84)	Cyclohexanone	6.762	55	166992	2821.56	ug/l	88
85)	Camphene	6.871	93	512748	441.45	ug/l	93
86)	1,2,3-Trichloropropane	6.877	75	690377	379.20	ug/l	81
87)	2-Chlorotoluene	6.991	91	1120379	318.43	ug/l	94
88)	p-Ethyltoluene	6.979	105	1774378	395.36	ug/l	80
89)	4-Chlorotoluene	7.039	91	1532644	412.55	ug/l	95
90)	n-Propylbenzene	6.925	91	2591170	460.59	ug/l	98
91)	Bromobenzene	6.889	77	1378496	406.05	ug/l	89
92)	1,3,5-Trimethylbenzene	7.009	105	1450777	436.78	ug/l	95
93)	Butyl methacrylate	7.021	41	1305333	404.84	ug/l	95
94)	t-Butylbenzene	7.195	119	1461171	501.13	ug/l	89
95)	1,2,4-Trimethylbenzene	7.219	105	1707497	480.76	ug/l	93
96)	sec-Butylbenzene	7.315	105	1933345	513.00	ug/l	95
97)	4-Isopropyltoluene	7.388	119	1238740	463.44	ug/l	94
98)	n-Butylbenzene	7.616	91	1744894	493.16	ug/l	85
99)	p-Diethylbenzene	7.598	119	812687	547.59	ug/l	96
100)	1,2,4,5-Tetramethylben...	8.043	119	1507779	584.73	ug/l	95
101)	1,2-Dibromo-3-Chloropr...	8.079	157	131925	593.96	ug/l	89
102)	Camphor	8.506	95	532078	5771.47	ug/l	98
103)	Hexachlorobutadiene	8.656	225	184875	509.79	ug/l	96
104)	1,2,4-Trichlorobenzene	8.566	180	545065	533.47	ug/l	97
105)	1,2,3-Trichlorobenzene	8.854	180	498354	540.95	ug/l	98
106)	Naphthalene	8.716	128	1486621	553.64	ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 6M65284.D
Acq On : 02/ 2/11 10:48
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:07
Qt Upd On: 02/01/11 14:45
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 6M65284.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene,P
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->

Abundance
TIC: 6M65284.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB
Data File: 6M65281.D
Acq On : 02/ 2/11 09:52

Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/02/11 11:08
Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.633	96	191308	30.00	ug/l		0.01
51) Chlorobenzene-d5	6.190	117	122195	30.00	ug/l		0.01
69) 1,4-Dichlorobenzene-d4	7.422	152	54405	30.00	ug/l		0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.242	111	54997	31.11	ug/l		0.00
Spiked Amount 30.000			Recovery = 103.70%				
38) 1,2-Dichloroethane-d4	4.447	67	38058	31.18	ug/l		0.00
Spiked Amount 30.000			Recovery = 103.93%				
65) Toluene-d8	5.450	98	172105	28.57	ug/l		0.01
Spiked Amount 30.000			Recovery = 95.23%				
75) Bromofluorobenzene	6.791	174	43516	28.20	ug/l		0.00
Spiked Amount 30.000			Recovery = 94.00%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.431	51	4195	1.07	ug/l		83
6) Dichlorodifluoromethane	1.437	85	1972	0.77	ug/l	#	35
7) Chloromethane	1.604	50	2369	0.92	ug/l		87
8) Bromomethane	1.938	94	86m	0.09	ug/l		
9) Vinyl Chloride	1.673	62	1587	0.88	ug/l		89
10) Chloroethane	2.001	64	944	0.81	ug/l		46
11) Trichlorofluoromethane	2.215	101	1264	0.84	ug/l		74
12) Ethyl ether	2.427	59	1446	0.84	ug/l	#	56
13) Furan	2.445	39	5812	0.85	ug/l		65
14) 1,1,2-Trichloro-1,2,2-...	2.613	101	458	0.52	ug/l	#	44
15) Methylene Chloride	2.962	84	2220	1.00	ug/l		85
16) Acrolein	2.505	56	1334	4.07	ug/l		59
17) Acrylonitrile	3.124	53	810	0.96	ug/l		72
18) Iodomethane	2.733	142	378	0.28	ug/l	#	27
19) Acetone	2.619	43	5685	6.68	ug/l		84
20) Carbon Disulfide	2.781	76	3061	0.75	ug/l		100
21) t-Butyl Alcohol	3.022	59	793	5.34	ug/l	#	1
22) n-Hexane	3.401	57	1231	0.90	ug/l		78
23) Di-isopropyl-ether	3.557	45	6499	0.75	ug/l		96
24) 1,1-Dichloroethene	2.607	61	2611	0.78	ug/l		87
25) Methyl Acetate	2.872	43	2244	0.90	ug/l		100
26) Methyl-t-butyl ether	3.184	73	3320	0.84	ug/l		92
27) 1,1-Dichloroethane	3.509	63	3641	0.88	ug/l		90
28) trans-1,2-Dichloroethene	3.184	96	1531	0.88	ug/l		86
29) cis-1,2-Dichloroethene	3.948	61	3247	0.83	ug/l		93
30) Bromochloromethane	4.098	49	2393	1.07	ug/l	#	57
31) 2,2-Dichloropropane	3.954	77	1456	0.78	ug/l		91
32) Ethyl acetate	3.978	43	2259	0.71	ug/l	#	87
33) 1,4-Dioxane	5.006	88	655	40.97	ug/l		47
34) 1,1-Dichloropropene	4.368	75	1904	0.78	ug/l		99
35) Chloroform	4.152	83	3077	0.92	ug/l		95
37) Cyclohexane	4.320	56	1606	0.65	ug/l		82
39) 1,2-Dichloroethane	4.489	62	2980	0.98	ug/l		99
40) 2-Butanone	3.942	43	1174	1.08	ug/l		89
41) 1,1,1-Trichloroethane	4.278	97	1912	0.84	ug/l		87
42) Carbon Tetrachloride	4.380	117	1332	0.80	ug/l		81
43) Vinyl Acetate	3.527	43	2790m	0.52	ug/l		
44) Bromodichloromethane	5.078	83	1982	0.82	ug/l		96
45) Methylcyclohexane	4.946	83	1064	0.73	ug/l		78
46) Dibromomethane	5.000	174	161	0.19	ug/l		72
47) 1,2-Dichloropropane	4.939	63	1932	0.95	ug/l		79
48) Trichloroethene	4.831	130	1256	0.83	ug/l		77
49) Benzene	4.489	78	6377	0.91	ug/l		100
50) tert-Amyl methyl ether	4.543	73	2888	0.67	ug/l		89
52) Iso-propylacetate	4.501	43	3759	0.77	ug/l		78
53) Methyl methacrylate	4.982	41	1925	0.68	ug/l		76
54) Dibromochloromethane	5.883	129	1289	0.80	ug/l		95
55) 2-Chloroethylvinylether	5.216	63	709	0.59	ug/l		78
56) cis-1,3-Dichloropropene	5.306	75	1998	0.74	ug/l		78
57) trans-1,3-Dichloropropene	5.571	75	1573	0.70	ug/l		80
58) Ethyl methacrylate	5.607	41	2017	0.68	ug/l		85
59) 1,1,2-Trichloroethane	5.673	97	1523	1.03	ug/l		93
60) 1,2-Dibromoethane	5.955	107	1184	0.77	ug/l		87
61) 1,3-Dichloropropane	5.763	76	2646	0.99	ug/l		87
62) 4-Methyl-2-Pentanone	5.366	43	1835	0.65	ug/l		93
63) 2-Hexanone	5.787	43	1575	0.82	ug/l		86
64) Tetrachloroethene	5.769	164	1059	0.98	ug/l		75
66) Toluene	5.487	92	3727	0.94	ug/l		95
67) 1,1,1,2-Tetrachloroethane	6.238	133	1203	0.99	ug/l		72

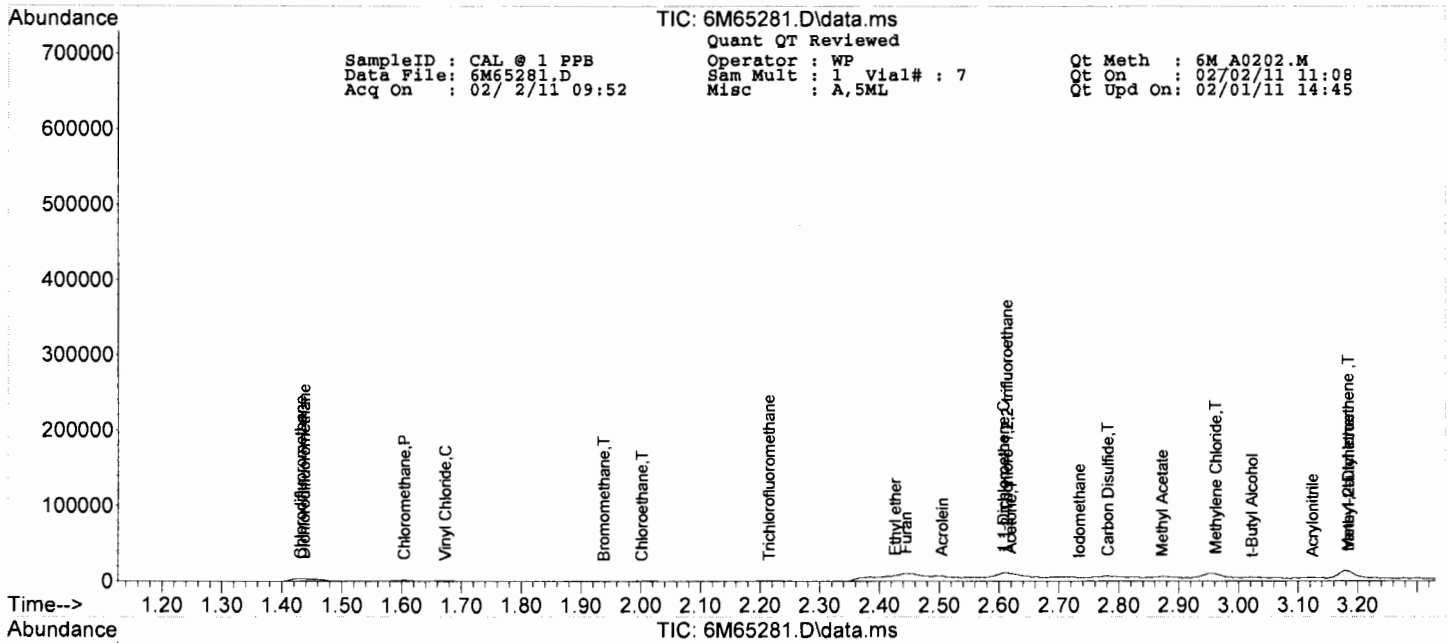
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65281.D Sam Mult : 1 Vial# : 7 Qt On : 02/02/11 11:08
Acq On : 02/ 2/11 09:52 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
68) Chlorobenzene	6.202	112	3956	0.97 ug/l		99
70) n-Butyl acrylate	6.448	55	2433	0.59 ug/l		94
71) n-Amyl acetate	6.563	43	3518	0.73 ug/l		86
72) Bromoform	6.629	173	931	0.93 ug/l		98
73) Ethylbenzene	6.250	106	1510	0.86 ug/l		90
74) 1,1,2,2-Tetrachloroethane	6.839	83	2781	1.36 ug/l		85
76) Styrene	6.520	104	2631	0.71 ug/l		94
77) m&p-Xylenes	6.304	106	3469	1.69 ug/l		87
78) o-Xylene	6.514	106	1485	0.71 ug/l		78
79) trans-1,4-Dichloro-2-b...	6.869	53	959	1.05 ug/l		95
80) 1,3-Dichlorobenzene	7.392	146	2289	0.95 ug/l		96
81) 1,4-Dichlorobenzene	7.434	146	3231m	1.22 ug/l		
82) 1,2-Dichlorobenzene	7.651	146	2546	1.02 ug/l		97
83) Isopropylbenzene	6.707	105	3356	0.64 ug/l		96
84) Cyclohexanone	6.761	55	425	5.78 ug/l	#	69
85) Camphene	6.869	93	1109	0.77 ug/l		87
86) 1,2,3-Trichloropropane	6.875	75	2798	1.24 ug/l		81
87) 2-Chlorotoluene	6.983	91	4524	1.04 ug/l		93
88) p-Ethyltoluene	6.977	105	4246	0.76 ug/l		83
89) 4-Chlorotoluene	7.037	91	4618	1.00 ug/l		92
90) n-Propylbenzene	6.923	91	5311	0.76 ug/l		93
91) Bromobenzene	6.887	77	4378	1.04 ug/l		82
92) 1,3,5-Trimethylbenzene	7.007	105	3062	0.74 ug/l		95
93) Butyl methacrylate	7.019	41	3388	0.85 ug/l		90
94) t-Butylbenzene	7.194	119	2413	0.67 ug/l		90
95) 1,2,4-Trimethylbenzene	7.218	105	2899	0.66 ug/l		91
96) sec-Butylbenzene	7.314	105	2888	0.62 ug/l		97
97) 4-Isopropyltoluene	7.386	119	2077	0.63 ug/l		99
98) n-Butylbenzene	7.614	91	3254	0.74 ug/l		82
99) p-Diethylbenzene	7.596	119	1324	0.72 ug/l		98
100) 1,2,4,5-Tetramethylben...	8.041	119	1916	0.60 ug/l		84
101) 1,2-Dibromo-3-Chloropr...	8.077	157	316	1.15 ug/l		90
102) Camphor	8.504	95	836	7.30 ug/l		78
103) Hexachlorobutadiene	8.654	225	454	1.01 ug/l		78
104) 1,2,4-Trichlorobenzene	8.564	180	1223	0.96 ug/l		93
105) 1,2,3-Trichlorobenzene	8.853	180	1136	0.99 ug/l		94
106) Naphthalene	8.714	128	2464	0.74 ug/l		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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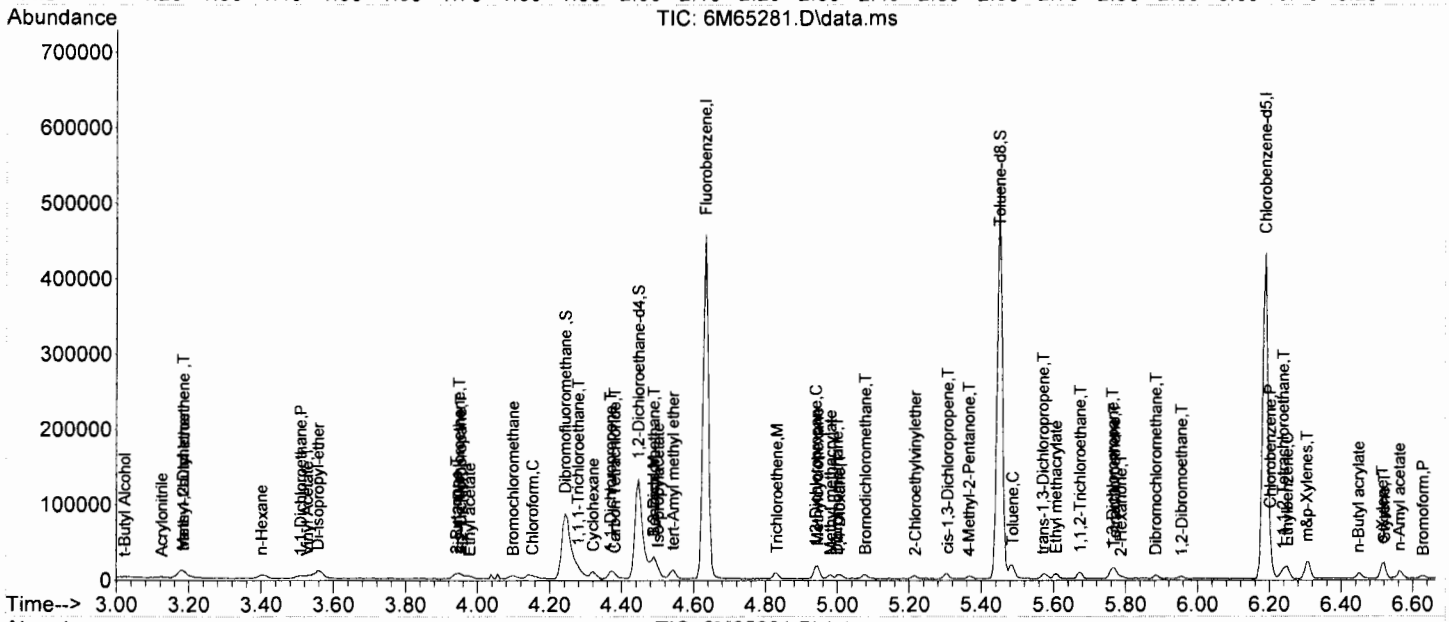
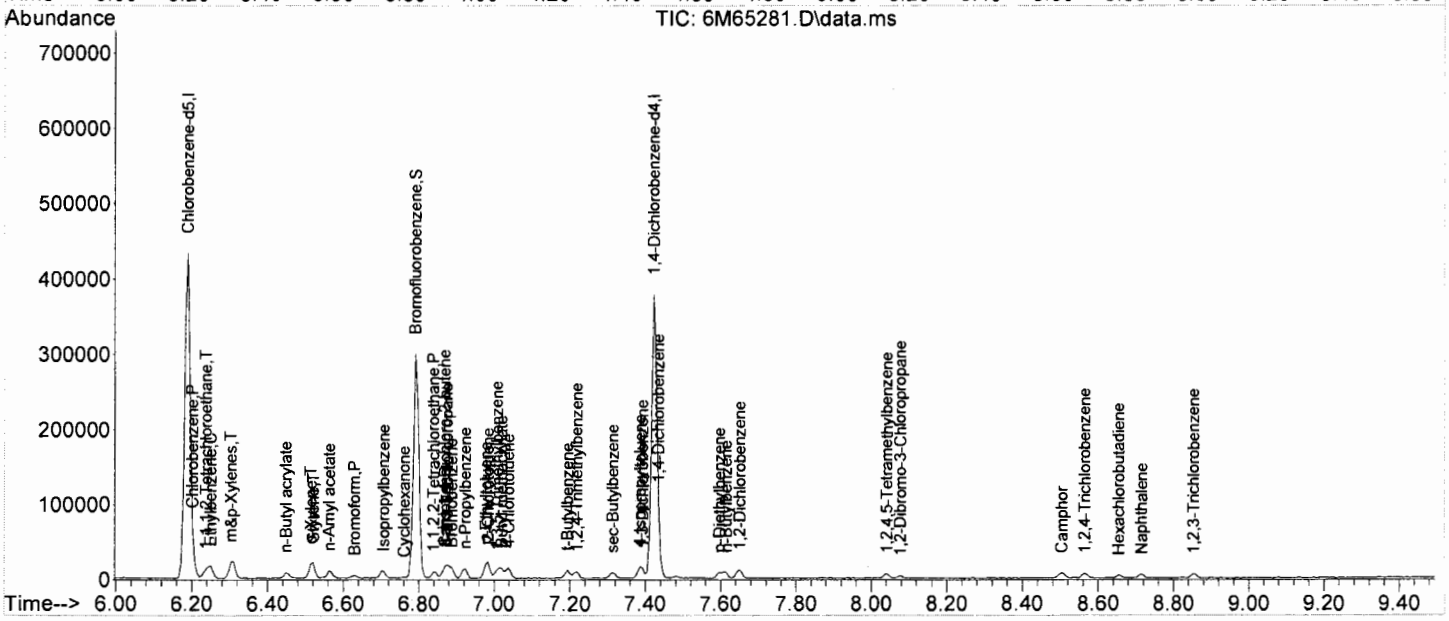
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 6M65281.D
Acq On : 02/ 2/11 09:52
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 11:08
Qt Upd On: 02/01/11 14:45
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65281.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65281.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
sec-Butylbenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65282.D Sam Mult : 1 Vial# : 8 Qt On : 02/02/11 12:00
Acq On : 02/ 2/11 10:09 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.634	96	189385	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.191	117	124189	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.424	152	54506	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.244	111	56026	32.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.70%			
38) 1,2-Dichloroethane-d4	4.448	67	40393	33.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.43%			
65) Toluene-d8	5.452	98	172234	28.14	ug/l	0.01
Spiked Amount 30.000			Recovery = 93.80%			
75) Bromofluorobenzene	6.792	174	41836	27.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D.	d	
6) Dichlorodifluoromethane	0.000		0	N.D.	d	
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.		
9) Vinyl Chloride	0.000		0	N.D.	d	
10) Chloroethane	0.000		0	N.D.		
11) Trichlorofluoromethane	0.000		0	N.D.		
12) Ethyl ether	0.000		0	N.D.	d	
13) Furan	0.000		0	N.D.	d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
15) Methylene Chloride	0.000		0	N.D.	d	
16) Acrolein	0.000		0	N.D.	d	
17) Acrylonitrile	0.000		0	N.D.	d	
18) Iodomethane	0.000		0	N.D.		
19) Acetone	0.000		0	N.D.	d	
20) Carbon Disulfide	0.000		0	N.D.	d	
21) t-Butyl Alcohol	0.000		0	N.D.	d	
22) n-Hexane	0.000		0	N.D.	d	
23) Di-isopropyl-ether	0.000		0	N.D.	d	
24) 1,1-Dichloroethene	0.000		0	N.D.	d	
25) Methyl Acetate	0.000		0	N.D.	d	
26) Methyl-t-butyl ether	3.186	73	1393	0.36	ug/l	87
27) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
29) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
30) Bromochloromethane	0.000		0	N.D.	d	
31) 2,2-Dichloropropane	0.000		0	N.D.	d	
32) Ethyl acetate	0.000		0	N.D.	d	
33) 1,4-Dioxane	0.000		0	N.D.	d	
34) 1,1-Dichloropropene	0.000		0	N.D.	d	
35) Chloroform	0.000		0	N.D.	d	
37) Cyclohexane	0.000		0	N.D.	d	
39) 1,2-Dichloroethane	4.484	62	1308	0.43	ug/l	39
40) 2-Butanone	0.000		0	N.D.	d	
41) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
42) Carbon Tetrachloride	0.000		0	N.D.	d	
43) Vinyl Acetate	0.000		0	N.D.	d	
44) Bromodichloromethane	0.000		0	N.D.	d	
45) Methylcyclohexane	0.000		0	N.D.	d	
46) Dibromomethane	0.000		0	N.D.	d	
47) 1,2-Dichloropropane	0.000		0	N.D.	d	
48) Trichloroethene	0.000		0	N.D.	d	
49) Benzene	4.490	78	2970	0.43	ug/l	100
50) tert-Amyl methyl ether	0.000		0	N.D.	d	
52) Iso-propylacetate	0.000		0	N.D.	d	
53) Methyl methacrylate	0.000		0	N.D.	d	
54) Dibromochloromethane	0.000		0	N.D.	d	
55) 2-Chloroethylvinylether	0.000		0	N.D.	d	
56) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
57) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
58) Ethyl methacrylate	0.000		0	N.D.	d	
59) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
60) 1,2-Dibromoethane	0.000		0	N.D.	d	
61) 1,3-Dichloropropane	0.000		0	N.D.	d	
62) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
63) 2-Hexanone	0.000		0	N.D.	d	
64) Tetrachloroethene	0.000		0	N.D.	d	
66) Toluene	0.000		0	N.D.	d	
67) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	

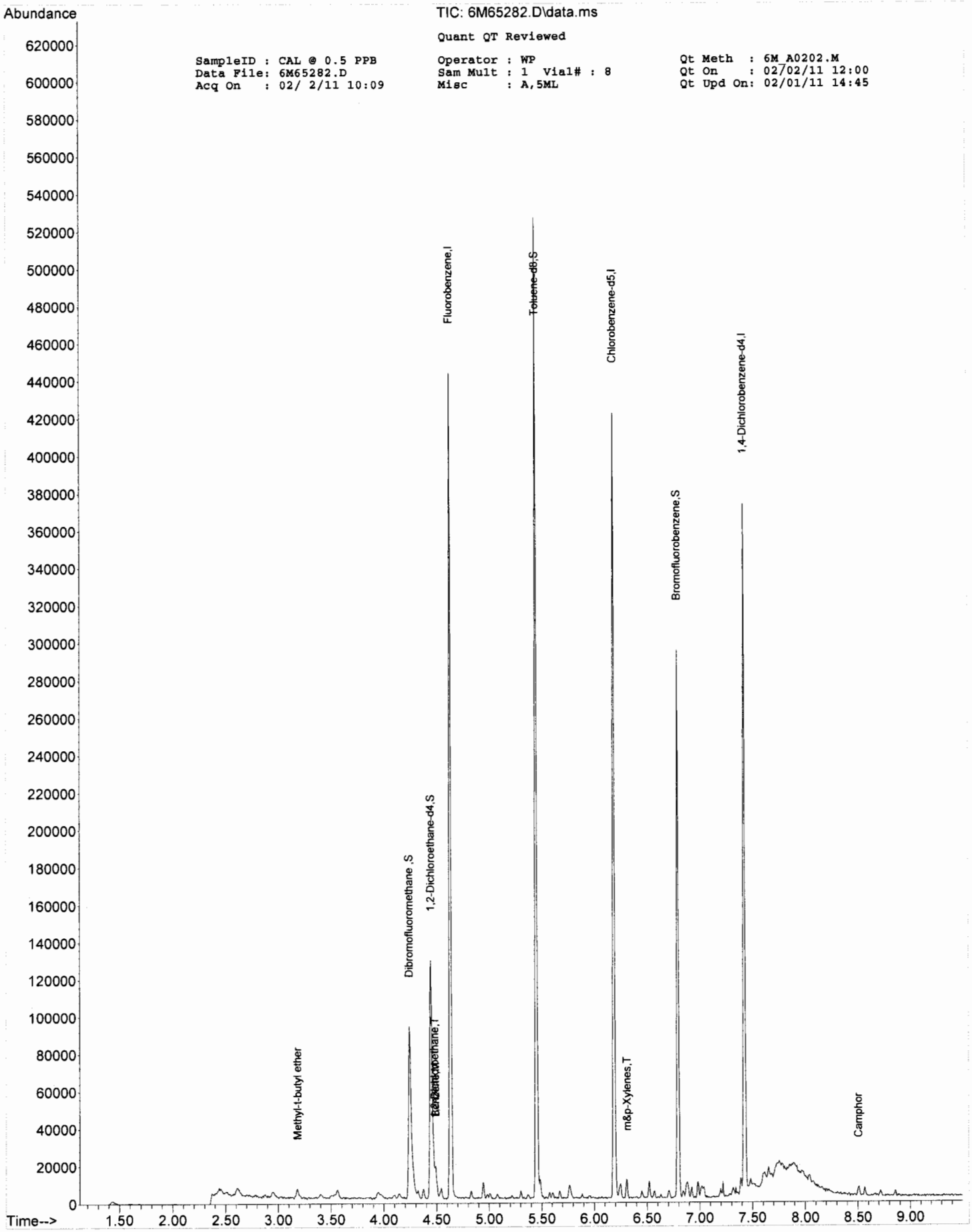
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65282.D Sam Mult : 1 Vial# : 8 Qt On : 02/02/11 12:00
Acq On : 02/ 2/11 10:09 Misc : A,5ML Qt Upd On: 02/01/11 14:45

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	0.000		0	N.D. d	
70)	n-Butyl acrylate	0.000		0	N.D. d	
71)	n-Amyl acetate	0.000		0	N.D. d	
72)	Bromoform	0.000		0	N.D. d	
73)	Ethylbenzene	0.000		0	N.D. d	
74)	1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
76)	Styrene	0.000		0	N.D. d	
77)	m&p-Xylenes	6.312	106	1493	0.73 ug/l	93
78)	o-Xylene	0.000		0	N.D. d	
79)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
80)	1,3-Dichlorobenzene	0.000		0	N.D. d	
81)	1,4-Dichlorobenzene	0.000		0	N.D. d	
82)	1,2-Dichlorobenzene	0.000		0	N.D. d	
83)	Isopropylbenzene	0.000		0	N.D. d	
84)	Cyclohexanone	0.000		0	N.D. d	
85)	Camphene	0.000		0	N.D. d	
86)	1,2,3-Trichloropropane	0.000		0	N.D. d	
87)	2-Chlorotoluene	0.000		0	N.D. d	
88)	p-Ethyltoluene	0.000		0	N.D. d	
89)	4-Chlorotoluene	0.000		0	N.D. d	
90)	n-Propylbenzene	0.000		0	N.D. d	
91)	Bromobenzene	0.000		0	N.D. d	
92)	1,3,5-Trimethylbenzene	0.000		0	N.D. d	
93)	Butyl methacrylate	0.000		0	N.D. d	
94)	t-Butylbenzene	0.000		0	N.D. d	
95)	1,2,4-Trimethylbenzene	0.000		0	N.D. d	
96)	sec-Butylbenzene	0.000		0	N.D. d	
97)	4-Isopropyltoluene	0.000		0	N.D. d	
98)	n-Butylbenzene	0.000		0	N.D. d	
99)	p-Diethylbenzene	0.000		0	N.D. d	
100)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
101)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d	
102)	Camphor	8.506	95	658	5.74 ug/l	90
103)	Hexachlorobutadiene	0.000		0	N.D. d	
104)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
105)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
106)	Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 6M65282.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 6M65282.D
Acq On : 02/ 2/11 10:09
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/02/11 12:00
Qt Upd On: 02/01/11 14:45
Methyl-t-butyl ether
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0150

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M87526.	CAL @ 20 PPB	02/09/11 11:41	2	3M87521.	CAL @ 5 PPB	02/09/11 10:18
3	3M87527.	CAL @ 10 PPB	02/09/11 11:58	4	3M87525.	CAL @ 50 PPB	02/09/11 11:25
5	3M87524.	CAL @ 100 PPB	02/09/11 11:08	6	3M87523.	CAL @ 250 PPB	02/09/11 10:52
7	3M87522.	CAL @ 500 PPB	02/09/11 10:35	8	3M87519.	CAL @ 1 PPB	02/09/11 09:40
9	3M87520.	CAL @ 0.5 PPB	02/09/11 09:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.4178	0.4764	0.5074	0.4574	0.4542	0.4601	-----	0.8123	-----	0.512	1.26	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dichlorodifluoromethan	1	0	LinF	0.2071	0.1534	0.1649	0.1728	0.1613	0.1700	0.1979	0.1207	-----	0.169	1.25	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2465	0.2710	0.2219	0.2232	0.2441	0.2550	0.3029	0.1965	-----	0.245	1.38	0.994	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.0625	0.0580	0.0551	0.0589	0.0618	-----	-----	0.0539	-----	0.0584	1.70	0.999	1.00	5.9		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	LinF	0.1078	0.1262	0.1580	0.1601	0.1496	0.1529	-----	0.1052	-----	0.137	1.46	0.999	0.999	17	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroethane	1	0	LinF	0.0190	0.0195	0.0242	0.0191	0.0175	0.0184	0.0157	0.0360	-----	0.0212	1.78	0.994	0.999	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	LinF	0.0987	0.0995	0.1161	0.1136	0.1107	0.1226	0.1132	0.0685	-----	0.105	1.96	0.998	0.999	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.0845	0.0947	0.0914	0.0927	0.0875	0.0741	0.0755	0.0073	-----	0.0760	2.34	0.999	0.999	38		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2183	0.2068	0.2195	0.2311	0.2206	0.2141	0.1976	0.1638	-----	0.209	2.72	0.998	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0122	0.0129	0.0124	0.0137	0.0129	0.0133	0.0136	0.0083	-----	0.0124	2.28	1.00	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1133	0.0878	0.1067	0.1155	0.1164	0.1116	0.0960	0.0413	-----	0.0986	2.93	0.994	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	LinF	0.3151	0.2411	0.3111	0.3255	0.3130	0.2976	0.2743	0.1944	-----	0.284	2.47	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1016	0.0925	0.1056	0.1062	0.1021	0.1081	0.1014	0.1085	-----	0.103	2.40	0.999	1.00	5.0		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	LinF	0.6326	0.5103	0.6655	0.6499	0.6384	0.6300	0.5922	0.3753	-----	0.587	2.52	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0160	0.0124	0.0160	0.0167	0.0182	0.0205	0.0193	0.0086	-----	0.0160	2.82	0.999	0.999	24		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.0940	0.0787	0.1112	0.1313	0.1322	0.1355	0.1329	0.0413	-----	0.107	3.14	1.00	1.00	32		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	LinF	1.0751	0.8126	1.0797	1.1325	1.1057	1.0613	0.9065	0.4972	-----	0.959	3.32	0.993	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	LinF	0.3502	0.2981	0.3535	0.3669	0.3451	0.2870	0.2964	0.1525	-----	0.306	2.35	0.998	0.998	23	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3215	0.2891	0.3151	0.3194	0.3311	0.3515	0.3323	0.2442	-----	0.313	2.64	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.4495	0.3239	0.4257	0.4658	0.4490	0.4237	0.3524	0.2584	0.2498	0.378	2.94	0.990	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.4682	0.4105	0.4454	0.4783	0.4714	0.4643	0.4273	0.3000	-----	0.433	3.28	0.998	1.00	14	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	LinF	0.1821	0.1577	0.1831	0.1786	0.1751	0.1615	0.1377	0.1080	-----	0.161	2.93	0.992	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.4511	0.3718	0.4318	0.4659	0.4528	0.4205	0.3636	0.3107	-----	0.409	3.76	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.3382	0.3114	0.3285	0.3439	0.3310	0.3267	0.2995	0.2246	-----	0.313	3.94	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	LinF	0.2317	0.2104	0.2273	0.2643	0.2633	0.2351	0.2017	0.1371	-----	0.221	3.76	0.992	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0035	0.0021	0.0030	0.0032	0.0032	0.0030	-----	0.0014	-----	0.00280	5.00	0.999	1.00	27		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	LinF	0.3302	0.2617	0.3338	0.3532	0.3419	0.3078	-----	0.1435	-----	0.296	4.24	0.997	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroform	1	0	Avg	0.4019	0.3712	0.4068	0.4182	0.4062	0.4000	0.3695	0.2799	-----	0.382	4.00	0.998	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2491	0.2708	0.2549	0.2545	0.2508	0.2337	0.2221	0.2675	0.2726	0.253	4.11	-1	-1	6.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.2296	0.1800	0.2609	0.3183	0.3165	0.3200	0.2943	0.1198	-----	0.255	4.16	0.998	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.0604	0.0586	0.0568	0.0561	0.0545	0.0543	0.0550	0.0621	0.0603	0.0576	4.35	-1	-1	5.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.4469	0.4028	0.4605	0.4387	0.4249	0.3925	-----	0.2487	0.3728	0.399	4.39	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
2-Butanone	1	0	LinF	0.2086	0.1599	0.1881	0.2038	0.1975	0.2302	0.1976	0.1074	-----	0.187	3.77	0.994	0.998	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	LinF	0.2884	0.2470	0.2958	0.3039	0.2972	0.3012	0.2707	0.1762	-----	0.273	4.12	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	LinF	0.2217	0.1944	0.2342	0.2524	0.2410	0.2256	-----	0.1189	-----	0.213	4.24	0.999	1.00	21		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Acetate	1	0	LinF	1.2532	0.9313	1.1866	1.3059	1.2949	1.2606	1.0723	0.7606	-----	1.13	3.31	0.993	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.3954	0.3296	0.3781	0.4125	0.4165	0.4108	0.3624	0.2780	-----	0.373	5.08	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	LinF	0.1441	0.1130	0.1734	0.1997	0.2024	0.1974	0.1823	0.0695	-----	0.160	4.89	0.998	1.00	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	LinF	0.2610	0.2435	0.2545	0.2598	0.2454	0.2171	-----	0.1358	-----	0.231	4.99	0.997	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dichloropropane	1	0	LinF	0.3953	0.3328	0.3926	0.3992	0.3903	0.3735	-----	0.2415	-----	0.361	4.92	1.00	1.00	16	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Trichloroethene	1	0	LinF	0.2708	0.2139	0.2669	0.2746	0.2626	0.2444	-----	0.1587	-----	0.242	4.78	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 19.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0151

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M87526.	CAL @ 20 PPB	02/09/11 11:41	2	3M87521.	CAL @ 5 PPB	02/09/11 10:18
3	3M87527.	CAL @ 10 PPB	02/09/11 11:58	4	3M87525.	CAL @ 50 PPB	02/09/11 11:25
5	3M87524.	CAL @ 100 PPB	02/09/11 11:08	6	3M87523.	CAL @ 250 PPB	02/09/11 10:52
7	3M87522.	CAL @ 500 PPB	02/09/11 10:35	8	3M87519.	CAL @ 1 PPB	02/09/11 09:40
9	3M87520.	CAL @ 0.5 PPB	02/09/11 09:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	Avg	1.0526	0.9240	1.0769	1.0832	1.0174	0.9097	-----	0.6830	0.8675	0.952	4.38	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	LinF	0.6032	0.4193	0.5720	0.6258	0.6120	0.5823	-----	0.2763	-----	0.527	4.44	0.999	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dibromochloromethane	1	0	LinF	0.3710	0.2910	0.3460	0.3946	0.3969	0.4151	0.3876	0.1896	-----	0.349	6.04	0.999	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	LinF	0.2690	0.1779	0.2486	0.2909	0.3076	0.3248	0.3078	0.1124	-----	0.255	5.25	0.999	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropene	1	0	LinF	0.5479	0.4441	0.5077	0.5973	0.6182	0.6448	0.5913	0.2934	-----	0.531	5.35	0.998	1.00	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.4788	0.3606	0.4505	0.5256	0.5640	0.5863	0.5520	0.2541	-----	0.472	5.68	0.999	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3432	0.3115	0.3443	0.3316	0.3299	0.3289	0.2976	0.2335	-----	0.315	5.79	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	LinF	0.3963	0.3193	0.3909	0.4086	0.4147	0.4219	0.3752	0.2302	-----	0.370	6.12	0.997	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	LinF	0.6746	0.5533	0.6593	0.6749	0.6488	0.6149	0.5234	0.3546	-----	0.588	5.90	0.993	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.5994	0.4400	0.5618	0.6300	0.6651	0.7449	0.7238	0.2943	-----	0.582	5.43	0.999	0.999	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4506	0.2825	0.4049	0.4742	0.4945	0.5578	0.5381	0.1918	-----	0.424	5.93	0.999	0.999	30		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	LinF	0.2528	0.2300	0.2692	0.2690	0.2600	-----	-----	0.1574	0.2524	0.242	5.88	1.00	1.00	16		20.00	5.00	10.00	50.00	100.0			1.00	0.50
Toluene-d8	1	0	Avg	0.8123	0.8516	0.7985	0.8085	0.8093	0.8540	0.9069	0.8002	0.8052	0.827	5.52	-1	-1	4.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.7831	0.7278	0.7917	0.7796	0.7837	0.7194	0.5970	0.5822	-----	0.721	5.55	0.990	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	LinF	0.3124	0.2685	0.2984	0.3152	0.3038	0.2603	-----	0.1832	-----	0.277	6.44	0.995	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chlorobenzene	1	0	Avg	0.9360	0.8330	0.9860	0.9463	0.9268	0.8531	0.7220	0.6237	-----	0.853	6.40	0.992	1.00	15	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	LinF	0.4894	0.3266	0.4288	0.5398	0.5818	0.6492	0.6319	0.2571	-----	0.488	6.91	0.999	0.999	29	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.5291	0.4591	0.5692	0.5353	0.5462	0.4472	-----	0.3606	-----	0.492	6.45	0.992	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	LinF	0.9104	0.8144	0.9570	0.9438	0.9310	0.9037	0.7563	0.5706	-----	0.848	7.16	0.991	1.00	16	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8711	0.8261	0.8568	0.8846	0.9004	0.9788	1.0633	0.8406	0.8282	0.894	7.09	-1	-1	8.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	LinF	1.5101	1.0912	1.5366	1.5584	1.5014	1.2569	-----	0.7278	-----	1.31	6.77	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	0.7814	0.6113	0.8478	0.8164	0.7785	0.6364	-----	0.4007	0.4922	0.671	6.52	0.991	1.00	24		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	0.8455	0.6115	0.8189	0.8628	0.8115	0.6799	-----	0.3829	-----	0.716	6.76	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.3476	0.2806	0.3505	0.3710	0.3870	0.3823	0.3273	0.1920	-----	0.330	7.19	0.994	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	LinF	1.1467	0.9280	1.1354	1.1461	1.1225	1.0308	-----	0.6785	-----	1.03	7.77	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.4-Dichlorobenzene	1	0	Avg	1.1850	1.0469	1.2114	1.2039	1.2006	1.1420	0.9802	0.8763	-----	1.11	7.82	0.994	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.1940	0.9724	1.1955	1.1765	1.2031	1.1347	0.9881	0.7645	-----	1.08	8.07	0.995	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	1.7121	1.2045	1.6834	1.9283	1.9623	1.8562	1.6115	0.7817	-----	1.59	6.98	0.994	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0509	0.0364	0.0455	0.0569	0.0519	0.0584	0.0531	0.0400	-----	0.0492	7.06	0.998	0.999	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.3669	0.2548	0.4294	0.4614	0.4690	0.4354	0.3890	0.2438	-----	0.381	7.16	0.996	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	LinF	1.0343	0.8416	1.0397	1.0601	1.0916	1.0251	-----	0.6483	-----	0.963	7.20	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
2-Chlorotoluene	1	0	LinF	1.4005	1.1150	1.3458	1.4126	1.3467	1.1682	-----	0.7504	-----	1.22	7.30	0.995	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	LinF	1.9699	1.3463	1.9669	2.1113	2.0174	1.7452	-----	1.0169	-----	1.74	7.29	0.995	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Chlorotoluene	1	0	LinF	1.4478	1.2154	1.4536	1.4957	1.4854	1.2992	1.1291	0.7468	-----	1.28	7.36	0.993	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	LinF	2.1820	1.6774	2.2398	2.3332	2.3932	2.3198	2.0366	1.2427	-----	2.05	7.23	0.995	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.7361	1.4313	1.7800	1.6639	1.6417	1.4843	1.3133	1.1413	-----	1.52	7.20	0.995	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	LinF	1.4221	0.9925	1.5237	1.4848	1.4783	1.3607	-----	0.6062	-----	1.27	7.33	0.999	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	LinF	1.2142	0.8379	1.1924	1.3495	1.3662	1.3172	1.1416	0.5962	-----	1.13	7.54	0.994	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	LinF	1.5894	1.0315	1.5806	1.7164	1.7008	1.6170	1.3785	0.6242	-----	1.40	7.56	0.993	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	1.4433	1.0068	1.4805	1.6405	1.6943	1.6420	1.4648	0.6519	-----	1.38	7.67	0.996	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	LinF	1.1643	0.7598	1.1486	1.2773	1.3111	1.2149	1.0301	0.4919	-----	1.05	7.75	0.992	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria **** - ccc compound***

b - failed the ccc criteria ***** - spcc compound***

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 19.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_3

0152

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M87526.	CAL @ 20 PPB	02/09/11 11:41	2	3M87521.	CAL @ 5 PPB	02/09/11 10:18
3	3M87527.	CAL @ 10 PPB	02/09/11 11:58	4	3M87525.	CAL @ 50 PPB	02/09/11 11:25
5	3M87524.	CAL @ 100 PPB	02/09/11 11:08	6	3M87523.	CAL @ 250 PPB	02/09/11 10:52
7	3M87522.	CAL @ 500 PPB	02/09/11 10:35	8	3M87519.	CAL @ 1 PPB	02/09/11 09:40
9	3M87520.	CAL @ 0.5 PPB	02/09/11 09:59				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
n-Butylbenzene	1	0	LinF	1.3757	0.9680	1.3788	1.5112	1.5397	1.4892	1.3041	0.7026	----	1.28	8.01	0.995	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	0.6478	0.4229	0.6185	0.7129	0.7412	0.7092	0.6210	0.3225	----	0.600	8.00	0.995	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.1442	0.6738	1.0632	1.3084	1.3645	1.3388	1.1863	0.5142	----	1.07	8.49	0.996	1.00	29	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloropr	1	0	LinF	0.1803	0.1359	0.1664	0.2012	0.2151	0.2413	----	0.0762	----	0.174	8.57	0.998	1.00	32	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Camphor	1	0	LinF	0.0797	0.0445	0.0676	0.0876	0.0922	0.0938	0.0816	0.0286	0.0267	0.0670	9.04	0.995	1.00	40	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	LinF	0.3225	0.2035	0.3529	0.3284	0.3311	0.3149	0.2849	0.1855	----	0.291	9.19	0.997	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	LinF	0.7042	0.4820	0.7046	0.7064	0.7135	0.7028	0.6334	0.3502	----	0.625	9.10	0.997	1.00	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	LinF	0.6832	0.4853	0.6755	0.6693	0.6909	0.6884	0.6252	0.3229	----	0.605	9.43	0.998	1.00	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	1.8031	1.1665	1.6586	1.9144	2.0000	2.0167	1.8392	0.8803	----	1.66	9.28	0.998	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 19.2

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87526.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:41 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	160825	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.384	117	140297	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	87304	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	40062	29.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.03%			
35) 1,2-Dichloroethane-d4	4.345	102	9729	30.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.07%			
59) Toluene-d8	5.518	100	113971	30.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.97%			
67) Bromofluorobenzene	7.087	174	76052	29.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.80%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.265	51	44795	12.93	ug/l	74
6) Dichlorodifluoromethane	1.248	85	22212	18.03	ug/l	90
7) Chloromethane	1.381	50	26429	17.40	ug/l	85
8) Bromomethane	1.697	94	6702	17.05	ug/l	99
9) Vinyl Chloride	1.464	62	11567	12.39	ug/l	96
10) Chloroethane	1.780	66	2047	15.59	ug/l	60
11) Trichlorofluoromethane	1.963	101	10589	15.59	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.343	101	9069	20.45	ug/l	94
13) Methylene Chloride	2.722	84	23410	18.50	ug/l	97
14) Acrolein	2.283	56	6550	77.56	ug/l	95
15) Acrylonitrile	2.926	53	12149	20.21	ug/l	89
16) Iodomethane	2.469	142	33787	26.62	ug/l	94
17) Acetone	2.403	43	54506	86.37	ug/l	96
18) Carbon Disulfide	2.523	76	67829	30.43	ug/l	100
19) t-Butyl Alcohol	2.824	59	8623	102.65	ug/l	93
20) n-Hexane	3.137	57	10079	12.30	ug/l	76
21) Di-isopropyl-ether	3.317	45	115275	19.64	ug/l	76
22) 1,1-Dichloroethene	2.349	61	37548	23.87	ug/l	90
23) Methyl Acetate	2.644	43	34471	18.78	ug/l	100
24) Methyl-t-butyl ether	2.938	73	48197	22.01	ug/l	92
25) 1,1-Dichloroethane	3.281	63	50204	19.13	ug/l	90
26) trans-1,2-Dichloroethene	2.932	96	19530	19.30	ug/l	90
27) cis-1,2-Dichloroethene	3.756	61	48370	19.98	ug/l	83
28) Bromochloromethane	3.942	49	36266	19.92	ug/l	87
29) 2,2-Dichloropropane	3.756	77	24845	19.77	ug/l	95
30) 1,4-Dioxane	5.001	88	18849	1156.72	ug/l	52
31) 1,1-Dichloropropene	4.237	75	35403	19.14	ug/l	95
32) Chloroform	3.997	83	43097	19.10	ug/l	95
34) Cyclohexane	4.165	56	24618	12.90	ug/l	80
36) 1,2-Dichloroethane	4.393	62	47925	19.46	ug/l	95
37) 2-Butanone	3.774	43	22366	19.59	ug/l	73
38) 1,1,1-Trichloroethane	4.123	97	30924	18.61	ug/l	93
39) Carbon Tetrachloride	4.237	117	23770	17.94	ug/l	93
40) Vinyl Acetate	3.311	43	134367	19.87	ug/l	100
41) Bromodichloromethane	5.085	83	42395	20.23	ug/l	98
42) Methylcyclohexane	4.893	83	15453	12.34	ug/l	77
43) Dibromomethane	4.995	174	27991	20.10	ug/l	95
44) 1,2-Dichloropropane	4.917	63	42389	20.18	ug/l	99
45) Trichloroethene	4.778	130	29042	19.55	ug/l	91
46) Benzene	4.381	78	112863	19.73	ug/l	100
47) tert-Amyl methyl ether	4.442	73	64675	23.02	ug/l	76
49) Dibromochloromethane	6.041	129	34703	21.65	ug/l	99
50) 2-Chloroethylvinylether	5.253	63	25164	20.85	ug/l	84
51) cis-1,3-Dichloropropene	5.350	75	51247	20.84	ug/l	96
52) trans-1,3-Dichloropropene	5.680	75	44790	20.66	ug/l	99
53) 1,1,2-Trichloroethane	5.795	97	32105	21.12	ug/l	92
54) 1,2-Dibromoethane	6.119	107	37070	20.86	ug/l	88
55) 1,3-Dichloropropane	5.897	76	63103	21.65	ug/l	91
56) 4-Methyl-2-Pentanone	5.434	43	56066	19.82	ug/l	91
57) 2-Hexanone	5.927	43	42150	20.19	ug/l	86
58) Tetrachloroethene	5.885	164	23648	18.15	ug/l	97
60) Toluene	5.554	92	73244	20.63	ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.444	133	29225	22.81	ug/l	89
62) Chlorobenzene	6.402	112	87548	20.43	ug/l	99
64) Bromoform	6.907	173	28485	21.59	ug/l	92
65) Ethylbenzene	6.450	106	30800	18.66	ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.160	83	52988	21.90	ug/l	86
68) Styrene	6.769	104	87896	21.68	ug/l	98
69) m&p-Xylenes	6.522	106	90964	42.05	ug/l	90

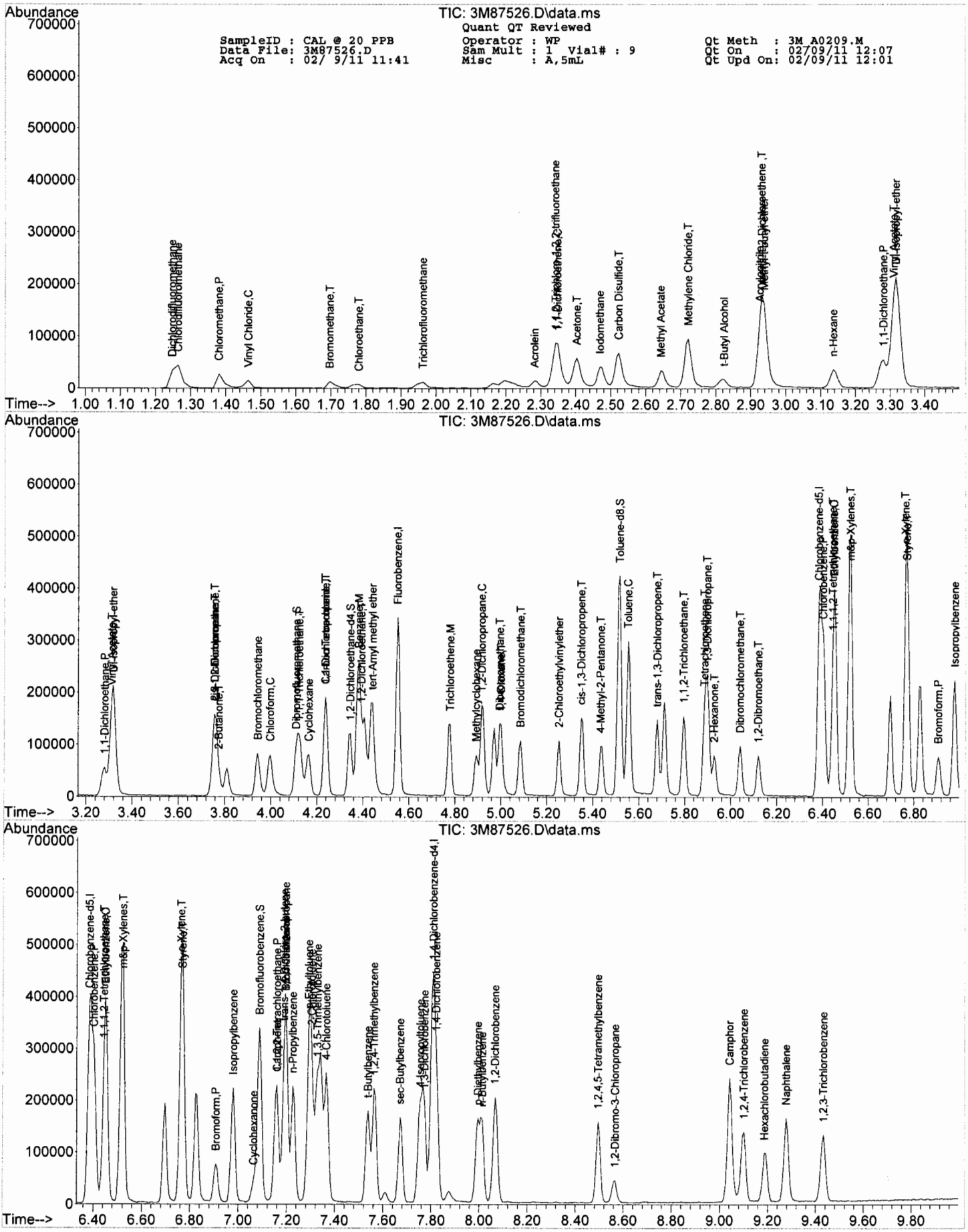
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87526.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:41 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.763	106	49215	21.32 ug/l	88
71) trans-1,4-Dichloro-2-b...	7.190	53	20235	27.51 ug/l	64
72) 1,3-Dichlorobenzene	7.773	146	66746	20.37 ug/l	99
73) 1,4-Dichlorobenzene	7.821	146	68973	19.38 ug/l	94
74) 1,2-Dichlorobenzene	8.068	146	69495	20.42 ug/l	99
75) Isopropylbenzene	6.979	105	99650	18.38 ug/l	99
76) Cyclohexanone	7.063	55	14818	138.49 ug/l	95
77) Camphene	7.160	93	21358	15.83 ug/l	98
78) 1,2,3-Trichloropropane	7.196	75	60202	22.36 ug/l	90
79) 2-Chlorotoluene	7.304	91	81513	19.80 ug/l	96
80) p-Ethyltoluene	7.292	105	114655	18.71 ug/l	98
81) 4-Chlorotoluene	7.364	91	84269	20.84 ug/l	98
82) n-Propylbenzene	7.226	91	127003	18.10 ug/l	100
83) Bromobenzene	7.196	77	101047	21.82 ug/l	86
84) 1,3,5-Trimethylbenzene	7.328	105	82770	18.20 ug/l	93
85) t-Butylbenzene	7.538	119	70671	18.14 ug/l	97
86) 1,2,4-Trimethylbenzene	7.562	105	92508	19.22 ug/l	90
87) sec-Butylbenzene	7.671	105	84004	17.47 ug/l	96
88) 4-Isopropyltoluene	7.755	119	67769	18.15 ug/l	99
89) n-Butylbenzene	8.013	91	80074	17.45 ug/l	98
90) p-Diethylbenzene	7.995	119	37706	17.39 ug/l	96
91) 1,2,4,5-Tetramethylben...	8.494	119	66596	17.76 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	8.567	157	10496	21.93 ug/l	95
93) Camphor	9.042	95	46429	252.54 ug/l	89
94) Hexachlorobutadiene	9.186	225	18772	19.00 ug/l	98
95) 1,2,4-Trichlorobenzene	9.102	180	40987	20.17 ug/l	99
96) 1,2,3-Trichlorobenzene	9.433	180	39769	20.42 ug/l	98
97) Naphthalene	9.276	128	104948	21.44 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M87526.D
Acq On : 02/ 9/11 11:41
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:07
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87521.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:09
Acq On : 02/ 9/11 10:18 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	158070	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.384	117	128807	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.803	152	82853	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.105	111	42816	31.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.60%			
35) 1,2-Dichloroethane-d4	4.339	102	9275	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
59) Toluene-d8	5.512	100	109698	32.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.90%			
67) Bromofluorobenzene	7.087	174	68451	27.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.77%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.259	51	12551	3.69	ug/l	100
6) Dichlorodifluoromethane	1.259	85	4042	3.34	ug/l	87
7) Chloromethane	1.375	50	7140	4.78	ug/l	81
8) Bromomethane	1.708	94	1528	3.95	ug/l	90
9) Vinyl Chloride	1.459	62	3327	3.63	ug/l	95
10) Chloroethane	1.775	66	515	3.99	ug/l	81
11) Trichlorofluoromethane	1.958	101	2623	3.93	ug/l	91
12) 1,1,2-Trichloro-1,2,2-...	2.331	101	2495	5.72	ug/l	87
13) Methylene Chloride	2.716	84	5450	4.38	ug/l	80
14) Acrolein	2.283	56	1702	20.50	ug/l	95
15) Acrylonitrile	2.926	53	2313	3.92	ug/l	80
16) Iodomethane	2.469	142	6352	5.09	ug/l	99
17) Acetone	2.403	43	12187	19.65	ug/l	97
18) Carbon Disulfide	2.517	76	13446	6.14	ug/l	100
19) t-Butyl Alcohol	2.812	59	1644	19.91	ug/l	42
20) n-Hexane	3.137	57	2075	2.58	ug/l	69
21) Di-isopropyl-ether	3.317	45	21410	3.71	ug/l	73
22) 1,1-Dichloroethene	2.343	61	7855	5.08	ug/l	86
23) Methyl Acetate	2.643	43	7617	4.22	ug/l	100
24) Methyl-t-butyl ether	2.932	73	8534	3.96	ug/l	84
25) 1,1-Dichloroethane	3.275	63	10817	4.19	ug/l	87
26) trans-1,2-Dichloroethene	2.932	96	4155	4.18	ug/l	90
27) cis-1,2-Dichloroethene	3.756	61	9796	4.12	ug/l	88
28) Bromochloromethane	3.936	49	8206	4.58	ug/l	81
29) 2,2-Dichloropropane	3.750	77	5545	4.49	ug/l	89
30) 1,4-Dioxane	5.001	88	2789	174.14	ug/l	52
31) 1,1-Dichloropropene	4.237	75	6895	3.79	ug/l	97
32) Chloroform	3.990	83	9780	4.41	ug/l	93
34) Cyclohexane	4.165	56	4744	2.53	ug/l	72
36) 1,2-Dichloroethane	4.387	62	10613	4.38	ug/l	98
37) 2-Butanone	3.768	43	4215	3.76	ug/l	75
38) 1,1,1-Trichloroethane	4.123	97	6509	3.99	ug/l	91
39) Carbon Tetrachloride	4.237	117	5123	3.93	ug/l	85
40) Vinyl Acetate	3.311	43	24535	3.69	ug/l	100
41) Bromodichloromethane	5.085	83	8684	4.22	ug/l	96
42) Methylcyclohexane	4.892	83	2979	2.42	ug/l	76
43) Dibromomethane	4.995	174	6415	4.69	ug/l	90
44) 1,2-Dichloropropane	4.916	63	8769	4.25	ug/l	98
45) Trichloroethene	4.772	130	5637	3.86	ug/l	95
46) Benzene	4.375	78	24344	4.33	ug/l	100
47) tert-Amyl methyl ether	4.435	73	11048	4.00	ug/l	87
49) Dibromochloromethane	6.041	129	6248	4.25	ug/l	98
50) 2-Chloroethylvinylether	5.253	63	3821	3.45	ug/l	87
51) cis-1,3-Dichloropropene	5.349	75	9534	4.22	ug/l	92
52) trans-1,3-Dichloropropene	5.680	75	7743	3.89	ug/l	89
53) 1,1,2-Trichloroethane	5.794	97	6689	4.79	ug/l	93
54) 1,2-Dibromoethane	6.119	107	6855	4.20	ug/l	91
55) 1,3-Dichloropropane	5.897	76	11880	4.44	ug/l	99
56) 4-Methyl-2-Pentanone	5.434	43	9446	3.64	ug/l	98
57) 2-Hexanone	5.927	43	6065	3.16	ug/l	89
58) Tetrachloroethene	5.885	164	4938	4.13	ug/l	93
60) Toluene	5.554	92	15625	4.79	ug/l	90
61) 1,1,1,2-Tetrachloroethane	6.444	133	5765	4.90	ug/l	84
62) Chlorobenzene	6.402	112	17883	4.54	ug/l	97
64) Bromoform	6.907	173	4511	3.60	ug/l	98
65) Ethylbenzene	6.450	106	6340	4.05	ug/l	95
66) 1,1,2,2-Tetrachloroethane	7.153	83	11247	4.90	ug/l	81
68) Styrene	6.769	104	15069	3.92	ug/l	97
69) m&p-Xylenes	6.516	106	16885	8.22	ug/l	94

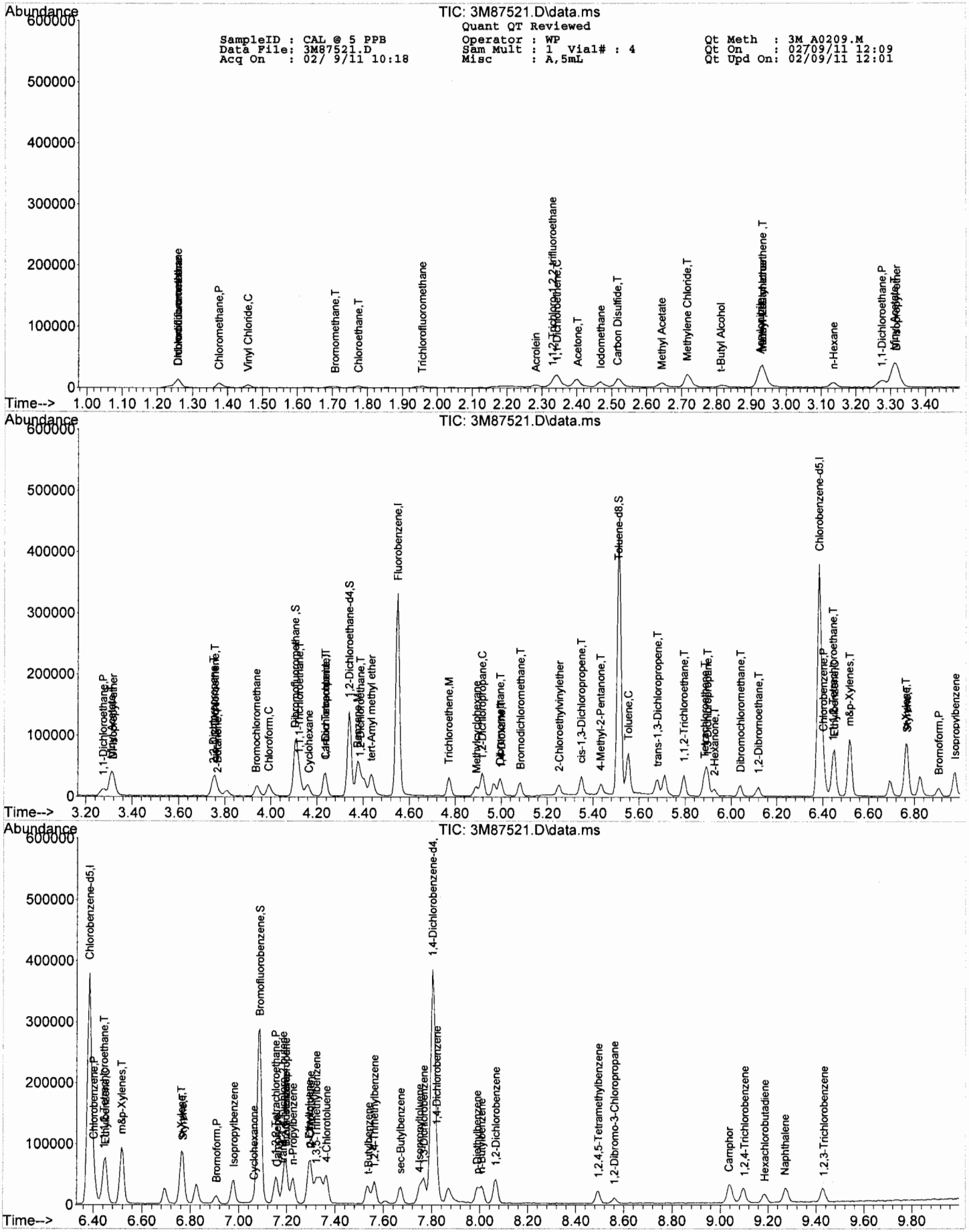
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87521.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:09
Acq On : 02/ 9/11 10:18 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.763	106	8445	3.85 ug/l	91
71) trans-1,4-Dichloro-2-b...	7.183	53	3875	5.55 ug/l	64
72) 1,3-Dichlorobenzene	7.767	146	12815	4.12 ug/l	97
73) 1,4-Dichlorobenzene	7.821	146	14457m	4.28 ug/l	
74) 1,2-Dichlorobenzene	8.067	146	13429	4.16 ug/l	98
75) Isopropylbenzene	6.979	105	16634	3.23 ug/l	98
76) Cyclohexanone	7.063	55	2517	24.79 ug/l	94
77) Camphene	7.159	93	3519	2.75 ug/l	92
78) 1,2,3-Trichloropropane	7.196	75	11622	4.55 ug/l	95
79) 2-Chlorotoluene	7.298	91	15398	3.94 ug/l	95
80) p-Ethyltoluene	7.292	105	18591	3.20 ug/l	96
81) 4-Chlorotoluene	7.364	91	16784	4.37 ug/l	97
82) n-Propylbenzene	7.226	91	23163	3.48 ug/l	97
83) Bromobenzene	7.196	77	19765	4.50 ug/l	87
84) 1,3,5-Trimethylbenzene	7.322	105	13706	3.18 ug/l	85
85) t-Butylbenzene	7.538	119	11571	3.13 ug/l	98
86) 1,2,4-Trimethylbenzene	7.562	105	14245	3.12 ug/l	90
87) sec-Butylbenzene	7.671	105	13904	3.05 ug/l	96
88) 4-Isopropyltoluene	7.749	119	10492	2.96 ug/l	98
89) n-Butylbenzene	8.007	91	13367	3.07 ug/l	93
90) p-Diethylbenzene	7.989	119	5841	2.84 ug/l	96
91) 1,2,4,5-Tetramethylben...	8.494	119	9305	2.61 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.560	157	1877	4.13 ug/l	94
93) Camphor	9.036	95	6146	35.23 ug/l	98
94) Hexachlorobutadiene	9.186	225	2811	3.00 ug/l	99
95) 1,2,4-Trichlorobenzene	9.102	180	6657	3.45 ug/l	97
96) 1,2,3-Trichlorobenzene	9.432	180	6702	3.63 ug/l	98
97) Naphthalene	9.270	128	16109	3.47 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 3M87521.D
Acq On : 02/ 9/11 10:18
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:09
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87527.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:58 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.550	96	166024	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.384	117	145224	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	89255	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.111	111	42330	30.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.33%			
35) 1,2-Dichloroethane-d4	4.339	102	9433	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
59) Toluene-d8	5.518	100	115965	30.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.23%			
67) Bromofluorobenzene	7.088	174	76477	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	28085	7.86	ug/l	75
6) Dichlorodifluoromethane	1.258	85	9126	7.17	ug/l	95
7) Chloromethane	1.375	50	12280	7.83	ug/l	83
8) Bromomethane	1.707	94	3053	7.52	ug/l	94
9) Vinyl Chloride	1.458	62	8746	9.07	ug/l	92
10) Chloroethane	1.774	66	1340	9.89	ug/l	83
11) Trichlorofluoromethane	1.957	101	6428	9.17	ug/l	100
12) 1,1,2-Trichloro-1,2,2-...	2.337	101	5061	11.06	ug/l	89
13) Methylene Chloride	2.722	84	12152	9.30	ug/l	97
14) Acrolein	2.283	56	3437	39.42	ug/l	71
15) Acrylonitrile	2.926	53	5907	9.52	ug/l	95
16) Iodomethane	2.469	142	17220	13.14	ug/l	94
17) Acetone	2.403	43	29237	44.88	ug/l	91
18) Carbon Disulfide	2.523	76	36833	16.01	ug/l	100
19) t-Butyl Alcohol	2.818	59	4443	51.23	ug/l	80
20) n-Hexane	3.143	57	6156	7.28	ug/l	79
21) Di-isopropyl-ether	3.317	45	59756	9.86	ug/l	74
22) 1,1-Dichloroethene	2.349	61	19568	12.05	ug/l	85
23) Methyl Acetate	2.644	43	17443	9.20	ug/l	100
24) Methyl-t-butyl ether	2.938	73	23559	10.42	ug/l	92
25) 1,1-Dichloroethane	3.275	63	24654	9.10	ug/l	94
26) trans-1,2-Dichloroethene	2.932	96	10135	9.70	ug/l	91
27) cis-1,2-Dichloroethene	3.756	61	23898	9.56	ug/l	83
28) Bromochloromethane	3.943	49	18182	9.67	ug/l	90
29) 2,2-Dichloropropane	3.756	77	12582	9.70	ug/l	95
30) 1,4-Dioxane	5.001	88	8416	500.30	ug/l	64
31) 1,1-Dichloropropene	4.237	75	18478	9.68	ug/l	99
32) Chloroform	3.997	83	22518	9.67	ug/l	96
34) Cyclohexane	4.165	56	14443	7.33	ug/l	77
36) 1,2-Dichloroethane	4.394	62	25489	10.02	ug/l	95
37) 2-Butanone	3.774	43	10412	8.84	ug/l	83
38) 1,1,1-Trichloroethane	4.129	97	16372	9.55	ug/l	92
39) Carbon Tetrachloride	4.237	117	12965	9.48	ug/l	97
40) Vinyl Acetate	3.317	43	65671	9.41	ug/l	100
41) Bromodichloromethane	5.085	83	20927	9.67	ug/l	96
42) Methylcyclohexane	4.893	83	9597	7.42	ug/l	81
43) Dibromomethane	4.995	174	14088	9.80	ug/l	97
44) 1,2-Dichloropropane	4.917	63	21731	10.02	ug/l	96
45) Trichloroethene	4.778	130	14771	9.63	ug/l	88
46) Benzene	4.382	78	59600	10.09	ug/l	100
47) tert-Amyl methyl ether	4.442	73	31658	10.91	ug/l	80
49) Dibromochloromethane	6.041	129	16750	10.10	ug/l	95
50) 2-Chloroethylvinylether	5.253	63	12037	9.63	ug/l	86
51) cis-1,3-Dichloropropene	5.350	75	24577	9.65	ug/l	90
52) trans-1,3-Dichloropropene	5.680	75	21810	9.72	ug/l	92
53) 1,1,2-Trichloroethane	5.795	97	16670	10.60	ug/l	96
54) 1,2-Dibromoethane	6.119	107	18927	10.29	ug/l	93
55) 1,3-Dichloropropane	5.897	76	31917	10.58	ug/l	95
56) 4-Methyl-2-Pentanone	5.440	43	27200	9.29	ug/l	90
57) 2-Hexanone	5.927	43	19603	9.07	ug/l	78
58) Tetrachloroethene	5.885	164	13036	9.67	ug/l	100
60) Toluene	5.554	92	38327	10.43	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.444	133	14448	10.90	ug/l	94
62) Chlorobenzene	6.402	112	47732	10.76	ug/l	99
64) Bromoform	6.907	173	12759	9.46	ug/l	99
65) Ethylbenzene	6.456	106	16936	10.04	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.154	83	28473	11.51	ug/l	80
68) Styrene	6.769	104	45719	11.03	ug/l	100
69) m&p-Xylenes	6.522	106	50450	22.81	ug/l	98

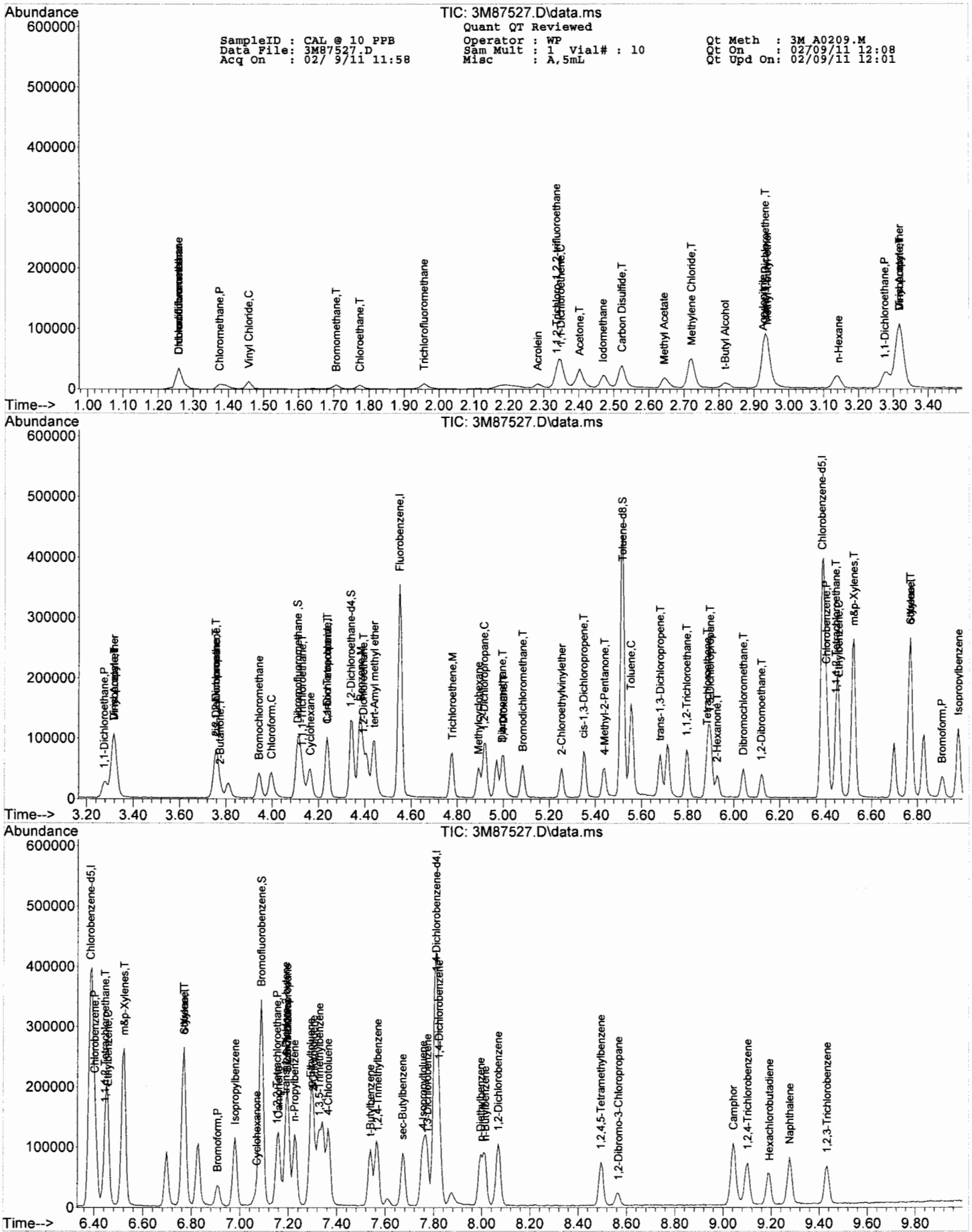
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87527.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:58 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.769	106	24365	10.32 ug/l	87
71) trans-1,4-Dichloro-2-b...	7.190	53	10429	13.87 ug/l	63
72) 1,3-Dichlorobenzene	7.773	146	33780	10.08 ug/l	98
73) 1,4-Dichlorobenzene	7.821	146	36043	9.90 ug/l	88
74) 1,2-Dichlorobenzene	8.068	146	35570	10.22 ug/l	99
75) Isopropylbenzene	6.979	105	50085	9.04 ug/l	98
76) Cyclohexanone	7.069	55	6782	62.00 ug/l	97
77) Camphene	7.160	93	12778	9.26 ug/l	95
78) 1,2,3-Trichloropropane	7.196	75	30935	11.24 ug/l	90
79) 2-Chlorotoluene	7.304	91	40040	9.52 ug/l	96
80) p-Ethyltoluene	7.292	105	58519	9.34 ug/l	97
81) 4-Chlorotoluene	7.364	91	43248	10.46 ug/l	97
82) n-Propylbenzene	7.226	91	66639	9.29 ug/l	99
83) Bromobenzene	7.196	77	52960	11.19 ug/l	85
84) 1,3,5-Trimethylbenzene	7.328	105	45334	9.75 ug/l	98
85) t-Butylbenzene	7.539	119	35478	8.91 ug/l	95
86) 1,2,4-Trimethylbenzene	7.569	105	47027	9.56 ug/l	90
87) sec-Butylbenzene	7.671	105	44048	8.96 ug/l	97
88) 4-Isopropyltoluene	7.755	119	34175	8.95 ug/l	99
89) n-Butylbenzene	8.014	91	41024	8.75 ug/l	98
90) p-Diethylbenzene	7.996	119	18403	8.30 ug/l	90
91) 1,2,4,5-Tetramethylben...	8.495	119	31632	8.25 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	8.567	157	4951	10.12 ug/l	100
93) Camphor	9.042	95	20115	107.02 ug/l	96
94) Hexachlorobutadiene	9.192	225	10501	10.40 ug/l	97
95) 1,2,4-Trichlorobenzene	9.102	180	20963	10.09 ug/l	98
96) 1,2,3-Trichlorobenzene	9.433	180	20099	10.10 ug/l	95
97) Naphthalene	9.276	128	49348	9.86 ug/l	100

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


Abundance
TIC: 3M87527.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 3M87527.D
Acq On : 02/ 9/11 11:58
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:08
Qt Upd On: 02/09/11 12:01
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M87527.D\data.ms
1,1-Dichloroethane,P
2-Butanone,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 3M87527.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
Bromoform,P
Isopropylbenzene
Cyclohexanone
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87525.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 11:25 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.551	96	163206	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.385	117	144450	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.804	152	88725	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.112	111	41537	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
35) 1,2-Dichloroethane-d4	4.340	102	9169	28.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.70%			
59) Toluene-d8	5.513	100	116794	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.50%			
67) Bromofluorobenzene	7.088	174	78494	29.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.33%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	124442m	35.41	ug/l	
6) Dichlorodifluoromethane	1.258	85	47008	37.59	ug/l	93
7) Chloromethane	1.374	50	60732	39.40	ug/l	87
8) Bromomethane	1.707	94	16026	40.17	ug/l	96
9) Vinyl Chloride	1.458	62	43566	45.98	ug/l	93
10) Chloroethane	1.774	66	5217	39.16	ug/l	86
11) Trichlorofluoromethane	1.956	101	30917	44.86	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.338	101	25230	56.07	ug/l	93
13) Methylene Chloride	2.723	84	62875	48.97	ug/l	94
14) Acrolein	2.284	56	18683	217.99	ug/l	94
15) Acrylonitrile	2.921	53	31428	51.53	ug/l	82
16) Iodomethane	2.470	142	88561	68.76	ug/l	90
17) Acetone	2.404	43	144513	225.65	ug/l	97
18) Carbon Disulfide	2.524	76	176781	78.14	ug/l	100
19) t-Butyl Alcohol	2.819	59	22756	266.93	ug/l	86
20) n-Hexane	3.137	57	35721	42.97	ug/l	83
21) Di-isopropyl-ether	3.318	45	308064	51.73	ug/l	78
22) 1,1-Dichloroethene	2.344	61	99826	62.52	ug/l	85
23) Methyl Acetate	2.644	43	86894	46.64	ug/l	100
24) Methyl-t-butyl ether	2.933	73	126721	57.01	ug/l	93
25) 1,1-Dichloroethane	3.276	63	130124	48.87	ug/l	97
26) trans-1,2-Dichloroethene	2.933	96	48594	47.31	ug/l	82
27) cis-1,2-Dichloroethene	3.757	61	126743	51.59	ug/l	82
28) Bromochloromethane	3.943	49	93564	50.63	ug/l	91
29) 2,2-Dichloropropane	3.757	77	71909	56.37	ug/l	94
30) 1,4-Dioxane	5.002	88	43759	2646.21	ug/l	68
31) 1,1-Dichloropropene	4.238	75	96091	51.20	ug/l	96
32) Chloroform	3.997	83	113769	49.68	ug/l	94
34) Cyclohexane	4.160	56	86586	44.70	ug/l	77
36) 1,2-Dichloroethane	4.394	62	119349	47.75	ug/l	98
37) 2-Butanone	3.775	43	55451	47.87	ug/l	76
38) 1,1,1-Trichloroethane	4.124	97	82670	49.04	ug/l	99
39) Carbon Tetrachloride	4.238	117	68676	51.07	ug/l	90
40) Vinyl Acetate	3.312	43	355234	51.77	ug/l	100
41) Bromodichloromethane	5.086	83	112222	52.76	ug/l	96
42) Methylcyclohexane	4.893	83	54332	42.75	ug/l	80
43) Dibromomethane	4.996	174	70682	50.03	ug/l	96
44) 1,2-Dichloropropane	4.917	63	108608	50.95	ug/l	99
45) Trichloroethene	4.773	130	74714	49.57	ug/l	88
46) Benzene	4.376	78	294655	50.76	ug/l	100
47) tert-Amyl methyl ether	4.436	73	170233	59.70	ug/l	77
49) Dibromochloromethane	6.042	129	95015	57.58	ug/l	98
50) 2-Chloroethylvinylether	5.254	63	70039	56.36	ug/l	88
51) cis-1,3-Dichloropropene	5.350	75	143813	56.80	ug/l	95
52) trans-1,3-Dichloropropene	5.681	75	126548	56.68	ug/l	100
53) 1,1,2-Trichloroethane	5.795	97	79842	51.02	ug/l	94
54) 1,2-Dibromoethane	6.120	107	98391	53.76	ug/l	91
55) 1,3-Dichloropropane	5.898	76	162496	54.14	ug/l	94
56) 4-Methyl-2-Pentanone	5.434	43	151689	52.08	ug/l	91
57) 2-Hexanone	5.928	43	114173	53.12	ug/l	87
58) Tetrachloroethene	5.886	164	64780	48.30	ug/l	96
60) Toluene	5.555	92	187695	51.34	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.445	133	75887	57.53	ug/l	88
62) Chlorobenzene	6.403	112	227827	51.63	ug/l	95
64) Bromoform	6.908	173	79829	59.54	ug/l	99
65) Ethylbenzene	6.451	106	79160	47.19	ug/l	82
66) 1,1,2,2-Tetrachloroethane	7.154	83	139572	56.76	ug/l	87
68) Styrene	6.769	104	230453	55.93	ug/l	99
69) m&p-Xylenes	6.517	106	241469	109.84	ug/l	92

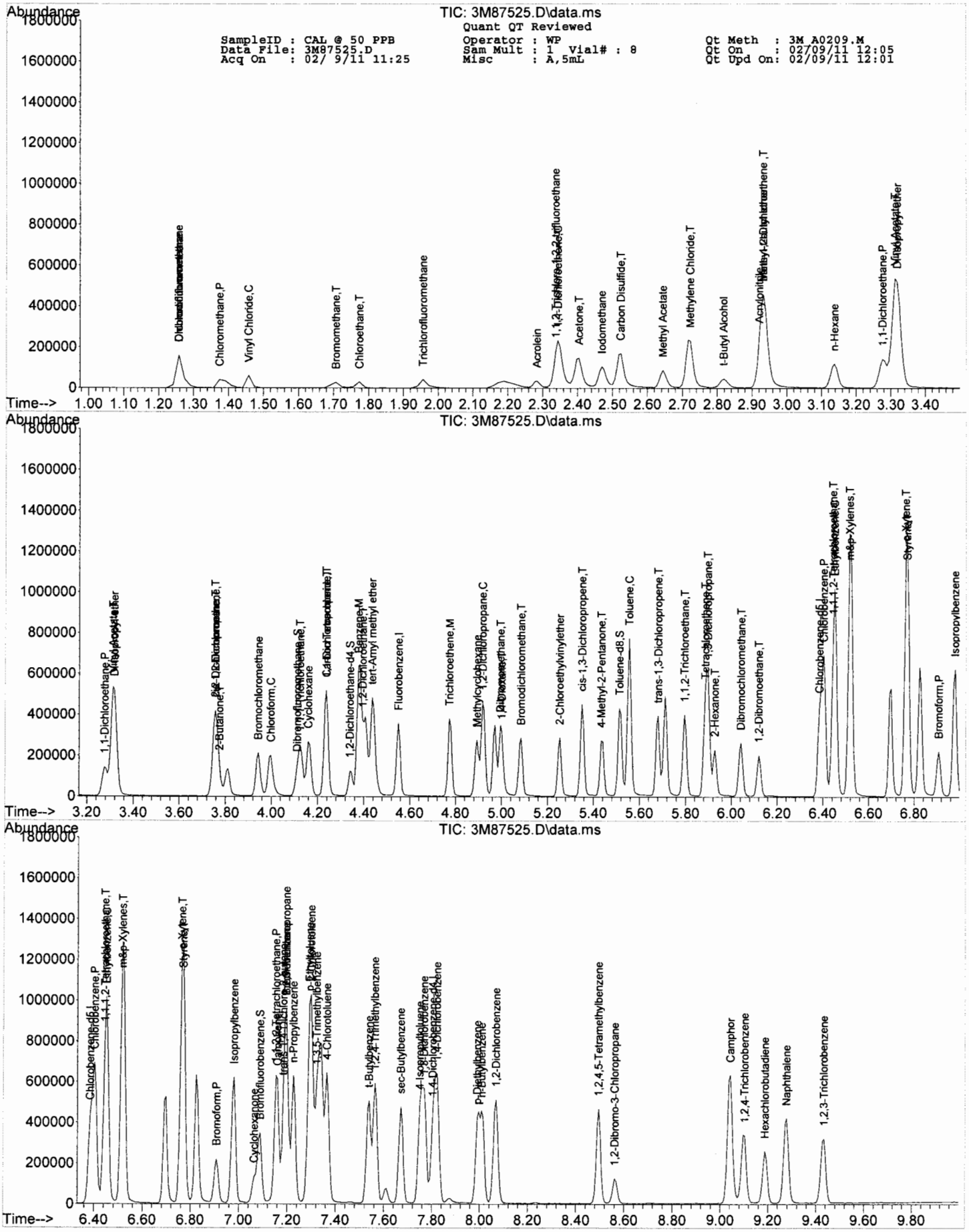
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87525.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 11:25 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.763	106	127587	54.38 ug/l	86
71) trans-1,4-Dichloro-2-b...	7.184	53	54861	73.39 ug/l	58
72) 1,3-Dichlorobenzene	7.768	146	169485	50.89 ug/l	99
73) 1,4-Dichlorobenzene	7.822	146	178039	49.22 ug/l	99
74) 1,2-Dichlorobenzene	8.068	146	173978	50.29 ug/l	99
75) Isopropylbenzene	6.980	105	285159	51.75 ug/l	99
76) Cyclohexanone	7.064	55	42101	387.17 ug/l	93
77) Camphene	7.160	93	68236	49.75 ug/l	97
78) 1,2,3-Trichloropropane	7.196	75	156768	57.30 ug/l	88
79) 2-Chlorotoluene	7.299	91	208889	49.94 ug/l	97
80) p-Ethyltoluene	7.293	105	312208	50.13 ug/l	98
81) 4-Chlorotoluene	7.365	91	221183	53.82 ug/l	97
82) n-Propylbenzene	7.226	91	345024	48.39 ug/l	100
83) Bromobenzene	7.196	77	246054	52.28 ug/l	88
84) 1,3,5-Trimethylbenzene	7.323	105	219578	47.51 ug/l	96
85) t-Butylbenzene	7.539	119	199563	50.40 ug/l	97
86) 1,2,4-Trimethylbenzene	7.563	105	253812	51.88 ug/l	88
87) sec-Butylbenzene	7.671	105	242596	49.65 ug/l	96
88) 4-Isopropyltoluene	7.750	119	188892	49.77 ug/l	99
89) n-Butylbenzene	8.008	91	223471	47.92 ug/l	99
90) p-Diethylbenzene	7.990	119	105430	47.84 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.495	119	193486	50.77 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	8.561	157	29757	61.17 ug/l	93
93) Camphor	9.042	95	129591	693.60 ug/l	91
94) Hexachlorobutadiene	9.187	225	48570	48.38 ug/l	98
95) 1,2,4-Trichlorobenzene	9.103	180	104472	50.59 ug/l	98
96) 1,2,3-Trichlorobenzene	9.433	180	98986	50.02 ug/l	98
97) Naphthalene	9.277	128	283097	56.90 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 3M87525.D
Acq On : 02/ 9/11 11:25
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5mL
Qt Meth : 3M A0209.M
Qt On : 02/09/11 12:05
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87524.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 11:08 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	165783	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	143148	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	86321	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	41584	29.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.70%			
35) 1,2-Dichloroethane-d4	4.345	102	9044	27.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.93%			
59) Toluene-d8	5.517	100	115857	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
67) Bromofluorobenzene	7.087	174	77731	30.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.10%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.259	51	251030	70.31	ug/l	88
6) Dichlorodifluoromethane	1.259	85	89164	70.20	ug/l	93
7) Chloromethane	1.375	50	134922	86.18	ug/l	85
8) Bromomethane	1.691	94	34173	84.33	ug/l	99
9) Vinyl Chloride	1.459	62	82682	85.91	ug/l	97
10) Chloroethane	1.775	66	9700	71.69	ug/l	76
11) Trichlorofluoromethane	1.957	101	61196	87.41	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	48375	105.83	ug/l	90
13) Methylene Chloride	2.721	84	121915	93.48	ug/l	98
14) Acrolein	2.282	56	35709	410.17	ug/l	96
15) Acrylonitrile	2.920	53	64353	103.87	ug/l	89
16) Iodomethane	2.469	142	172989	132.23	ug/l	90
17) Acetone	2.403	43	282152	433.72	ug/l	94
18) Carbon Disulfide	2.517	76	352818	153.53	ug/l	100
19) t-Butyl Alcohol	2.823	59	50463	582.74	ug/l	94
20) n-Hexane	3.136	57	73076	86.55	ug/l	83
21) Di-isopropyl-ether	3.317	45	611021	101.00	ug/l	76
22) 1,1-Dichloroethene	2.342	61	190719	117.60	ug/l	81
23) Methyl Acetate	2.643	43	182992	96.70	ug/l	100
24) Methyl-t-butyl ether	2.932	73	248124	109.90	ug/l	92
25) 1,1-Dichloroethane	3.274	63	260518	96.32	ug/l	98
26) trans-1,2-Dichloroethene	2.932	96	96774	92.76	ug/l	84
27) cis-1,2-Dichloroethene	3.756	61	250229	100.27	ug/l	81
28) Bromochloromethane	3.942	49	182919	97.45	ug/l	88
29) 2,2-Dichloropropane	3.756	77	145553	112.33	ug/l	95
30) 1,4-Dioxane	5.000	88	89589	5333.45	ug/l	59
31) 1,1-Dichloropropene	4.237	75	188942	99.11	ug/l	98
32) Chloroform	3.996	83	224495	96.50	ug/l	100
34) Cyclohexane	4.158	56	174929	88.90	ug/l	78
36) 1,2-Dichloroethane	4.393	62	234809	92.48	ug/l	99
37) 2-Butanone	3.774	43	109166	92.78	ug/l	77
38) 1,1,1-Trichloroethane	4.128	97	164236	95.91	ug/l	98
39) Carbon Tetrachloride	4.237	117	133202	97.52	ug/l	88
40) Vinyl Acetate	3.311	43	715591	102.66	ug/l	100
41) Bromodichloromethane	5.084	83	230210	106.55	ug/l	99
42) Methylcyclohexane	4.892	83	111898	86.69	ug/l	80
43) Dibromomethane	4.994	174	135659	94.52	ug/l	95
44) 1,2-Dichloropropane	4.922	63	215685	99.60	ug/l	100
45) Trichloroethene	4.778	130	145135	94.80	ug/l	91
46) Benzene	4.375	78	562263	95.35	ug/l	100
47) tert-Amyl methyl ether	4.435	73	338211	116.77	ug/l	74
49) Dibromochloromethane	6.041	129	189426	115.83	ug/l	99
50) 2-Chloroethylvinylether	5.253	63	146808	119.21	ug/l	84
51) cis-1,3-Dichloropropene	5.349	75	295025	117.57	ug/l	94
52) trans-1,3-Dichloropropene	5.680	75	269138	121.65	ug/l	98
53) 1,1,2-Trichloroethane	5.794	97	157432	101.52	ug/l	92
54) 1,2-Dibromoethane	6.119	107	197911	109.13	ug/l	97
55) 1,3-Dichloropropane	5.896	76	309603	104.09	ug/l	94
56) 4-Methyl-2-Pentanone	5.433	43	317404	109.98	ug/l	93
57) 2-Hexanone	5.926	43	235996	110.80	ug/l	87
58) Tetrachloroethene	5.884	164	124066	93.35	ug/l	95
60) Toluene	5.553	92	373993	103.22	ug/l	100
61) 1,1,1,2-Tetrachloroethane	6.443	133	145003	110.93	ug/l	89
62) Chlorobenzene	6.401	112	442277	101.14	ug/l	98
64) Bromoform	6.906	173	167408	128.33	ug/l	95
65) Ethylbenzene	6.455	106	157184	96.32	ug/l	87
66) 1,1,2,2-Tetrachloroethane	7.159	83	267910	111.98	ug/l	89
68) Styrene	6.768	104	432007	107.77	ug/l	94
69) m&p-Xylenes	6.522	106	448038	209.47	ug/l	92

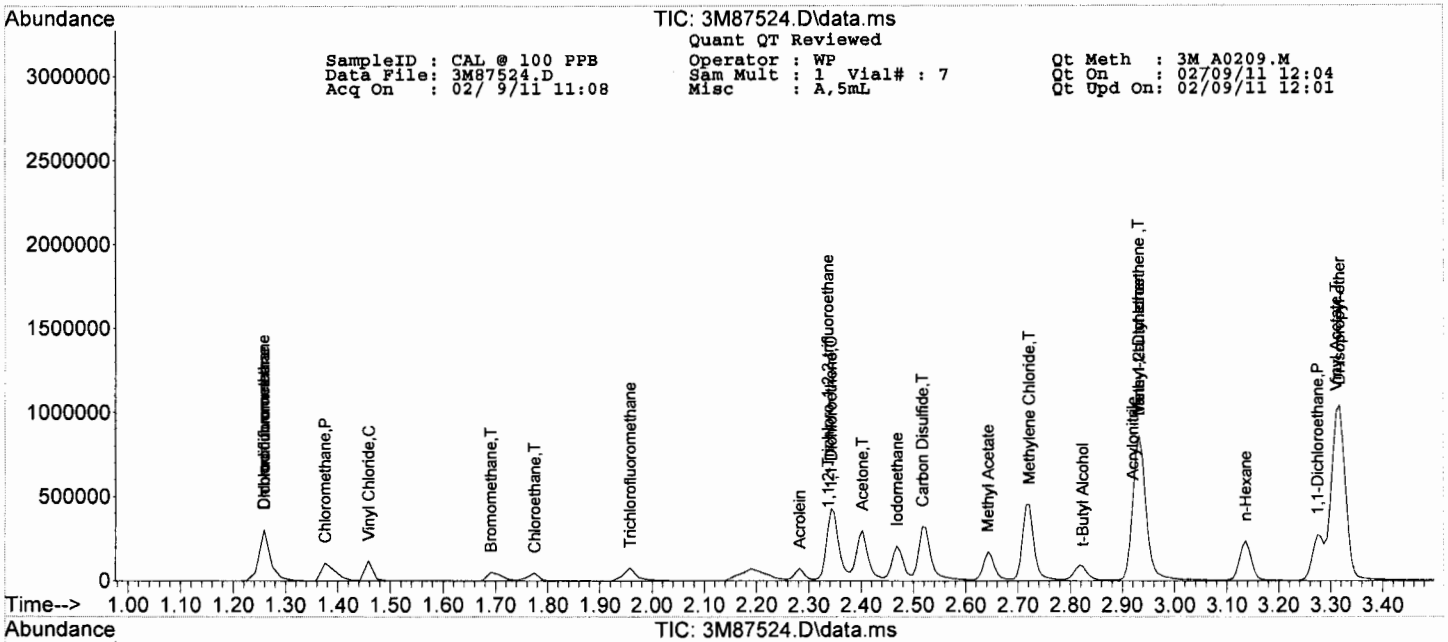
Quantitation Report (QT Reviewed)

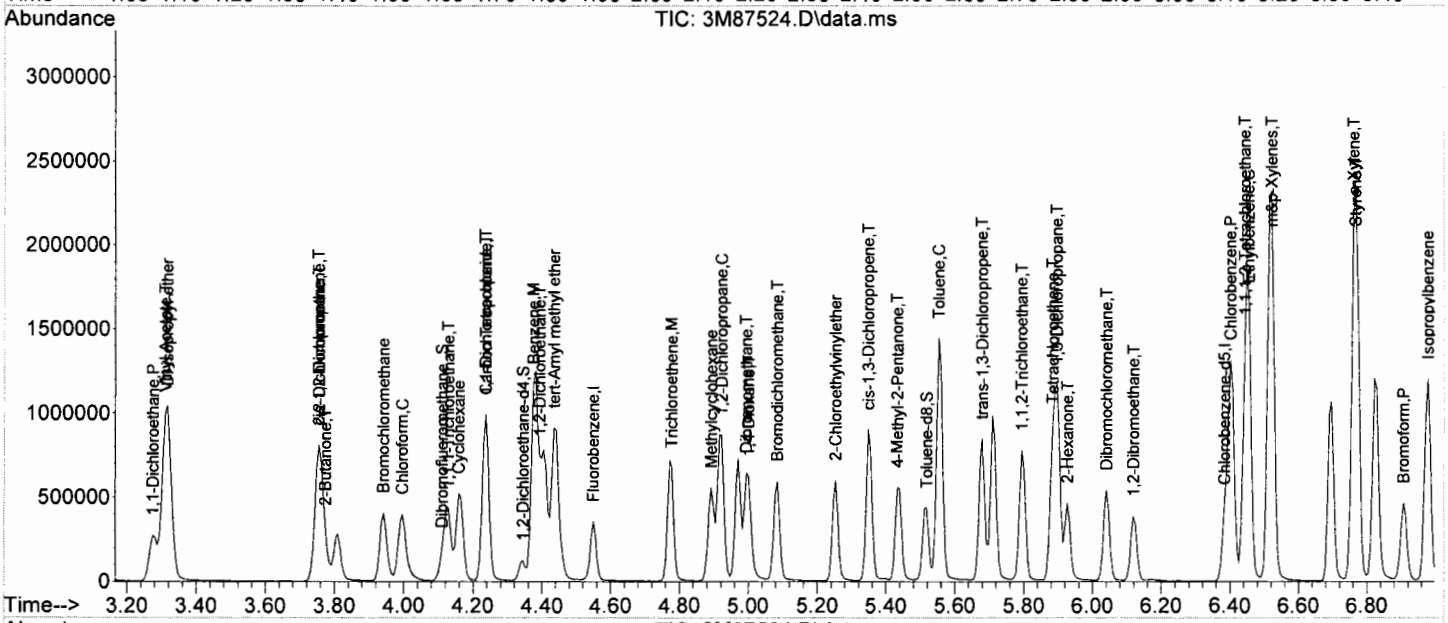
SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87524.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 11:08 Misc : A,5mL Qt Upd On: 02/09/11 12:01

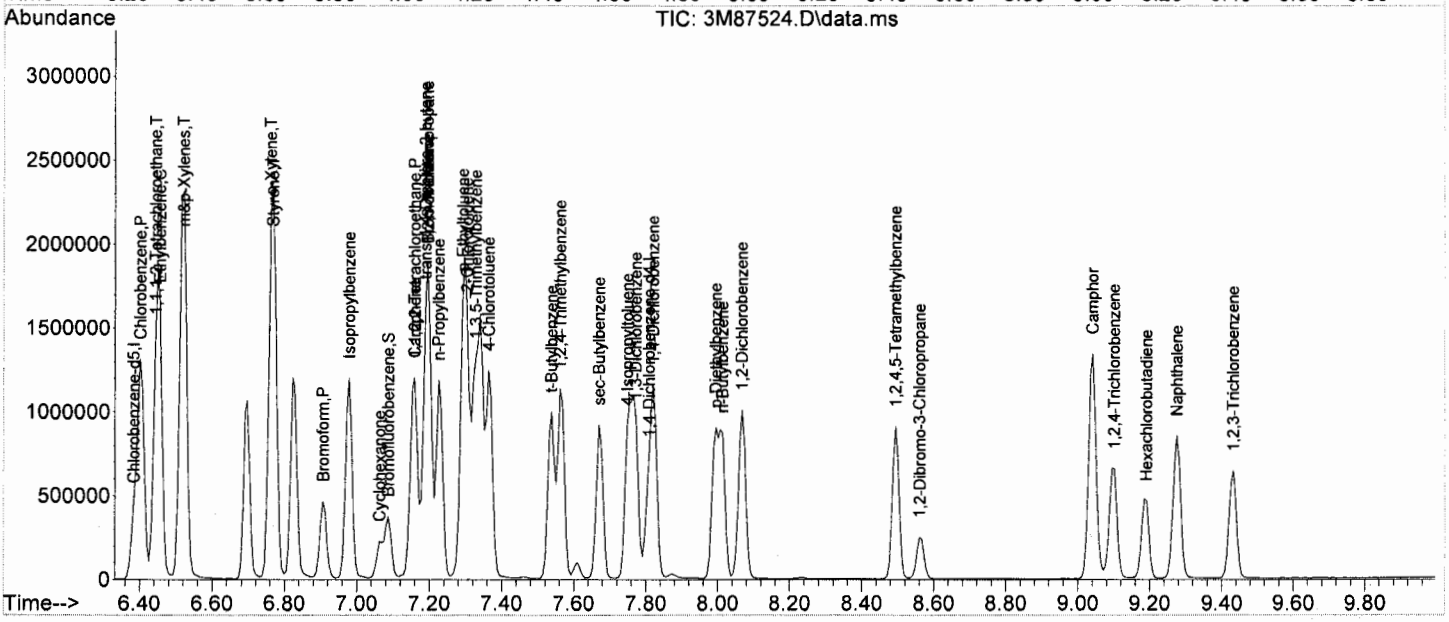
Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.762	106	233525	102.31 ug/l	77
71)	trans-1,4-Dichloro-2-b...	7.189	53	111355	153.11 ug/l	56
72)	1,3-Dichlorobenzene	7.772	146	323000	99.68 ug/l	99
73)	1,4-Dichlorobenzene	7.820	146	345456	98.16 ug/l	99
74)	1,2-Dichlorobenzene	8.067	146	346178	102.85 ug/l	99
75)	Isopropylbenzene	6.979	105	564634	105.32 ug/l	98
76)	Cyclohexanone	7.063	55	74714	706.22 ug/l	92
77)	Camphene	7.159	93	134955	101.14 ug/l	97
78)	1,2,3-Trichloropropane	7.195	75	314119	118.01 ug/l	87
79)	2-Chlorotoluene	7.303	91	387498	95.22 ug/l	97
80)	p-Ethyltoluene	7.291	105	580504	95.80 ug/l	96
81)	4-Chlorotoluene	7.363	91	427417	106.90 ug/l	96
82)	n-Propylbenzene	7.225	91	688632	99.27 ug/l	99
83)	Bromobenzene	7.195	77	472378	103.16 ug/l	87
84)	1,3,5-Trimethylbenzene	7.327	105	425384	94.61 ug/l	96
85)	t-Butylbenzene	7.538	119	393110	102.06 ug/l	95
86)	1,2,4-Trimethylbenzene	7.562	105	489396	102.83 ug/l	89
87)	sec-Butylbenzene	7.670	105	487524	102.55 ug/l	96
88)	4-Isopropyltoluene	7.748	119	377276	102.17 ug/l	100
89)	n-Butylbenzene	8.013	91	443030	97.65 ug/l	99
90)	p-Diethylbenzene	7.995	119	213275	99.48 ug/l	96
91)	1,2,4,5-Tetramethylben...	8.494	119	392634	105.90 ug/l	99
92)	1,2-Dibromo-3-Chloropr...	8.560	157	61903	130.80 ug/l	96
93)	Camphor	9.041	95	265439	1460.26 ug/l	89
94)	Hexachlorobutadiene	9.191	225	95290	97.55 ug/l	99
95)	1,2,4-Trichlorobenzene	9.101	180	205319	102.19 ug/l	99
96)	1,2,3-Trichlorobenzene	9.432	180	198809	103.25 ug/l	99
97)	Naphthalene	9.276	128	575500	118.89 ug/l	100

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


Abundance
TIC: 3M87524.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 3M87524.D
Acq On : 02/ 9/11 11:08
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:04
Qt Upd On: 02/09/11 12:01
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M87524.D\data.ms
1,1-Dichloroethane,P
2-Butanone,T
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 3M87524.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromochlorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87523.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:02
Acq On : 02/ 9/11 10:52 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	168608	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	139222	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.809	152	81764	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	39411	27.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.97%			
35) 1,2-Dichloroethane-d4	4.339	102	9167	27.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.63%			
59) Toluene-d8	5.517	100	118898	32.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.20%			
67) Bromofluorobenzene	7.087	174	80034	32.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	646589	178.08	ug/l	79
6) Dichlorodifluoromethane	1.258	85	238943	184.96	ug/l	92
7) Chloromethane	1.374	50	358293	225.02	ug/l	85
8) Bromomethane	1.690	94	64637	156.84	ug/l	97
9) Vinyl Chloride	1.457	62	214850	219.51	ug/l	97
10) Chloroethane	1.757	66	25982	188.80	ug/l	95
11) Trichlorofluoromethane	1.956	101	172267	241.92	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.342	101	104176	224.09	ug/l	90
13) Methylene Chloride	2.715	84	300911	226.87	ug/l	93
14) Acrolein	2.282	56	93703	1058.29	ug/l	98
15) Acrylonitrile	2.920	53	156821	248.88	ug/l	96
16) Iodomethane	2.469	142	418159	314.27	ug/l	87
17) Acetone	2.403	43	759735	1148.28	ug/l	94
18) Carbon Disulfide	2.517	76	885283	378.79	ug/l	100
19) t-Butyl Alcohol	2.824	59	144482	1640.50	ug/l	95
20) n-Hexane	3.136	57	190462	221.79	ug/l	83
21) Di-isopropyl-ether	3.317	45	1491260	242.37	ug/l	75
22) 1,1-Dichloroethene	2.342	61	403294	244.51	ug/l	82
23) Methyl Acetate	2.643	43	493892	256.62	ug/l	100
24) Methyl-t-butyl ether	2.932	73	595322	259.26	ug/l	91
25) 1,1-Dichloroethane	3.275	63	652390	237.16	ug/l	96
26) trans-1,2-Dichloroethene	2.932	96	227050	213.99	ug/l	83
27) cis-1,2-Dichloroethene	3.756	61	590932	232.82	ug/l	81
28) Bromochloromethane	3.942	49	459157	240.51	ug/l	88
29) 2,2-Dichloropropane	3.756	77	330432	250.75	ug/l	93
30) 1,4-Dioxane	5.000	88	212538	12440.90	ug/l	55
31) 1,1-Dichloropropene	4.237	75	432593	223.12	ug/l	97
32) Chloroform	3.996	83	562051	237.55	ug/l	95
34) Cyclohexane	4.158	56	449644	224.68	ug/l	76
36) 1,2-Dichloroethane	4.393	62	551497	213.58	ug/l	100
37) 2-Butanone	3.774	43	323552	270.38	ug/l	76
38) 1,1,1-Trichloroethane	4.128	97	423226	243.00	ug/l	98
39) Carbon Tetrachloride	4.237	117	317023	228.21	ug/l	92
40) Vinyl Acetate	3.311	43	1771271	249.85	ug/l	100
41) Bromodichloromethane	5.085	83	577314	262.72	ug/l	98
42) Methylcyclohexane	4.892	83	277383	211.28	ug/l	78
43) Dibromomethane	4.994	174	305125	209.03	ug/l	94
44) 1,2-Dichloropropane	4.922	63	524846	238.31	ug/l	99
45) Trichloroethene	4.772	130	343510	220.61	ug/l	90
46) Benzene	4.375	78	1278186	213.13	ug/l	100
47) tert-Amyl methyl ether	4.441	73	818174	277.75	ug/l	75
49) Dibromochloromethane	6.041	129	481600	302.79	ug/l	100
50) 2-Chloroethylvinylether	5.253	63	376874	314.66	ug/l	84
51) cis-1,3-Dichloropropene	5.349	75	748148	306.56	ug/l	94
52) trans-1,3-Dichloropropene	5.680	75	680283	316.15	ug/l	100
53) 1,1,2-Trichloroethane	5.794	97	381679	253.06	ug/l	92
54) 1,2-Dibromoethane	6.119	107	489538	277.54	ug/l	92
55) 1,3-Dichloropropane	5.902	76	713487	246.65	ug/l	95
56) 4-Methyl-2-Pentanone	5.433	43	864252	307.90	ug/l	91
57) 2-Hexanone	5.926	43	647182	312.42	ug/l	87
58) Tetrachloroethene	5.884	164	274413	212.29	ug/l	99
60) Toluene	5.554	92	834661	236.86	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.444	133	302005	237.56	ug/l	90
62) Chlorobenzene	6.401	112	989842	232.74	ug/l	97
64) Bromoform	6.907	173	442348	357.98	ug/l	99
65) Ethylbenzene	6.456	106	304704	197.13	ug/l	83
66) 1,1,2,2-Tetrachloroethane	7.159	83	615766	271.73	ug/l	87
68) Styrene	6.774	104	856414	225.55	ug/l	98
69) m&p-Xylenes	6.522	106	867238	428.06	ug/l	87

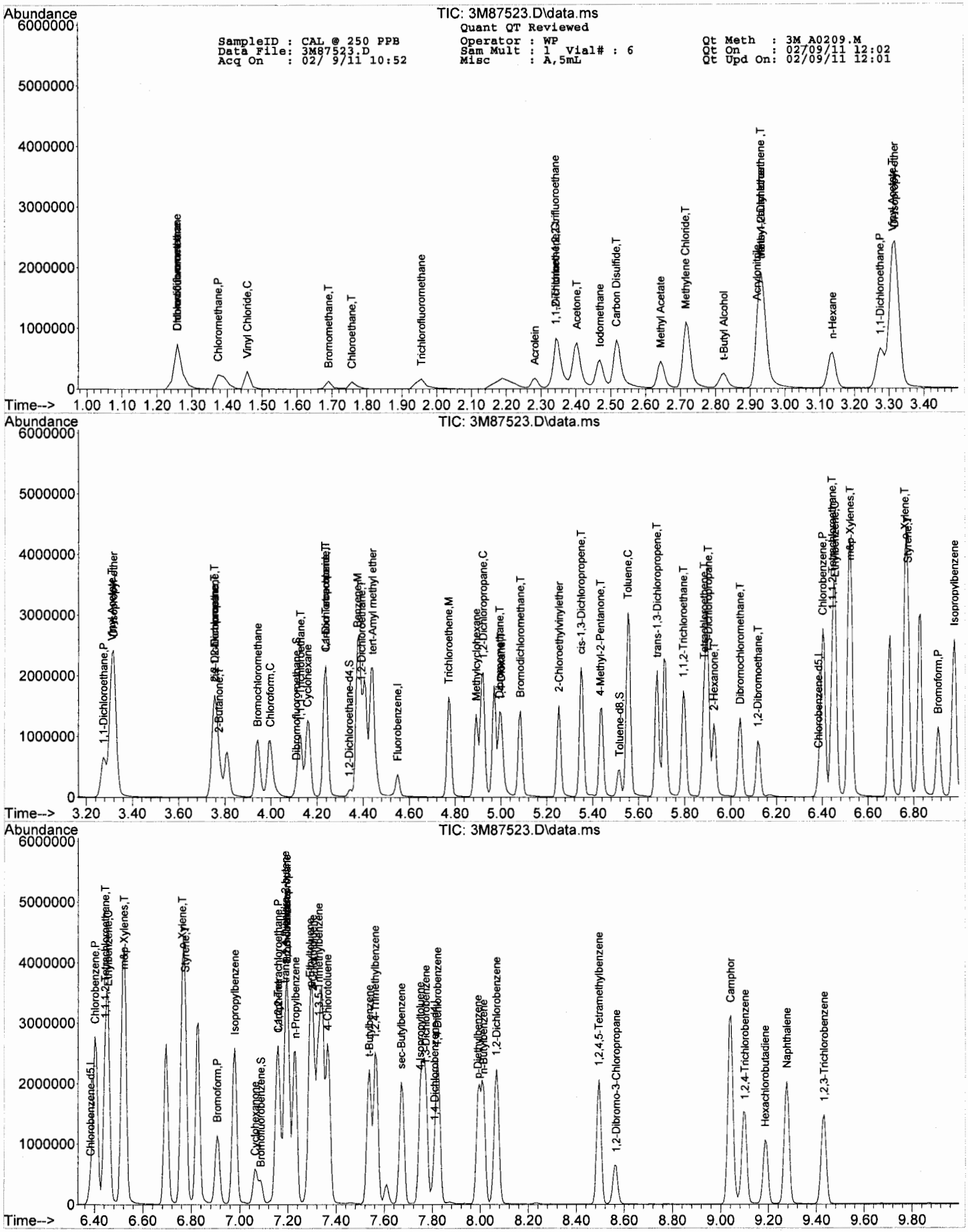
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87523.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:02
Acq On : 02/ 9/11 10:52 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.762	106	463292	214.29 ug/l	81
71)	trans-1,4-Dichloro-2-b...	7.189	53	260500	378.15 ug/l	51
72)	1,3-Dichlorobenzene	7.772	146	702376	228.84 ug/l	97
73)	1,4-Dichlorobenzene	7.821	146	778124	233.42 ug/l	99
74)	1,2-Dichlorobenzene	8.067	146	773144	242.51 ug/l	99
75)	Isopropylbenzene	6.979	105	1264769	249.07 ug/l	99
76)	Cyclohexanone	7.063	55	199240	1988.25 ug/l	94
77)	Camphene	7.159	93	296682	234.74 ug/l	96
78)	1,2,3-Trichloropropane	7.195	75	698490	277.03 ug/l	85
79)	2-Chlorotoluene	7.303	91	796036	206.51 ug/l	96
80)	p-Ethyltoluene	7.291	105	1189154	207.18 ug/l	97
81)	4-Chlorotoluene	7.364	91	885283	233.75 ug/l	97
82)	n-Propylbenzene	7.231	91	1580641	240.56 ug/l	98
83)	Bromobenzene	7.195	77	1011408	233.18 ug/l	85
84)	1,3,5-Trimethylbenzene	7.327	105	927147	217.69 ug/l	99
85)	t-Butylbenzene	7.538	119	897502	245.99 ug/l	94
86)	1,2,4-Trimethylbenzene	7.562	105	1101787	244.39 ug/l	89
87)	sec-Butylbenzene	7.670	105	1118865	248.47 ug/l	95
88)	4-Isopropyltoluene	7.748	119	827836	236.68 ug/l	98
89)	n-Butylbenzene	8.013	91	1014696	236.13 ug/l	98
90)	p-Diethylbenzene	7.989	119	483227	237.96 ug/l	93
91)	1,2,4,5-Tetramethylben...	8.494	119	912222	259.76 ug/l	98
92)	1,2-Dibromo-3-Chloropr...	8.566	157	164434	366.82 ug/l	97
93)	Camphor	9.041	95	639492	3714.12 ug/l	91
94)	Hexachlorobutadiene	9.186	225	214621	231.97 ug/l	100
95)	1,2,4-Trichlorobenzene	9.101	180	478884	251.64 ug/l	98
96)	1,2,3-Trichlorobenzene	9.432	180	469087	257.20 ug/l	99
97)	Naphthalene	9.276	128	1374123	299.69 ug/l	100

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


TIC: 3M87523.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 3M87523.D
Acq On : 02/ 9/11 10:52
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:02
Qt Upd On: 02/09/11 12:01
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87522.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:01
Acq On : 02/ 9/11 10:35 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	169007	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	131837	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	75439	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	37536	26.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.40%			
35) 1,2-Dichloroethane-d4	4.344	102	9303	28.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.77%			
59) Toluene-d8	5.517	100	119563	34.15	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.83%			
67) Bromofluorobenzene	7.086	174	80214	35.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.40%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.258	51	1211077	332.76	ug/l	100
6) Dichlorodifluoromethane	1.242	85	557669	430.65	ug/l	90
7) Chloromethane	1.375	50	853359	534.66	ug/l	85
8) Bromomethane	1.674	94	44994	108.92	ug/l	96
9) Vinyl Chloride	1.458	62	416163	424.18	ug/l	95
10) Chloroethane	1.757	66	44368	321.65	ug/l	74
11) Trichlorofluoromethane	1.940	101	319124	447.11	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	212696	456.45	ug/l	92
13) Methylene Chloride	2.715	84	556612	418.66	ug/l	97
14) Acrolein	2.282	56	192533	2169.34	ug/l	97
15) Acrylonitrile	2.919	53	270422	428.15	ug/l	92
16) Iodomethane	2.462	142	772779	579.42	ug/l	84
17) Acetone	2.402	43	1428671	2154.22	ug/l	93
18) Carbon Disulfide	2.516	76	1668219	712.10	ug/l	100
19) t-Butyl Alcohol	2.829	59	271962	3080.67	ug/l	92
20) n-Hexane	3.136	57	374345	434.89	ug/l	84
21) Di-isopropyl-ether	3.322	45	2553601	414.04	ug/l	75
22) 1,1-Dichloroethene	2.342	61	834915	504.99	ug/l	83
23) Methyl Acetate	2.643	43	936051	485.20	ug/l	100
24) Methyl-t-butyl ether	2.937	73	992857	431.37	ug/l	93
25) 1,1-Dichloroethane	3.274	63	1203651	436.53	ug/l	97
26) trans-1,2-Dichloroethene	2.931	96	387929	364.75	ug/l	86
27) cis-1,2-Dichloroethene	3.755	61	1024341	402.63	ug/l	82
28) Bromochloromethane	3.941	49	843801	440.95	ug/l	88
29) 2,2-Dichloropropane	3.755	77	568315	430.25	ug/l	94
30) 1,4-Dioxane	5.006	88	338182	19748.72	ug/l	55
31) 1,1-Dichloropropene	4.236	75	685593	352.77	ug/l	96
32) Chloroform	3.996	83	1040994	438.93	ug/l	98
34) Cyclohexane	4.158	56	828980	413.24	ug/l	76
36) 1,2-Dichloroethane	4.392	62	938225	362.49	ug/l	98
37) 2-Butanone	3.773	43	556775	464.17	ug/l	74
38) 1,1,1-Trichloroethane	4.128	97	762520	436.78	ug/l	99
39) Carbon Tetrachloride	4.236	117	533393	383.05	ug/l	93
40) Vinyl Acetate	3.310	43	3020699	425.09	ug/l	100
41) Bromodichloromethane	5.084	83	1020834	463.45	ug/l	96
42) Methylcyclohexane	4.892	83	513666	390.34	ug/l	79
43) Dibromomethane	4.994	174	506572	346.22	ug/l	96
44) 1,2-Dichloropropane	4.922	63	895550	405.67	ug/l	97
45) Trichloroethene	4.771	130	568873	364.48	ug/l	91
46) Benzene	4.374	78	2011142	334.56	ug/l	100
47) tert-Amyl methyl ether	4.441	73	1340315	453.94	ug/l	78
49) Dibromochloromethane	6.040	129	851798	565.54	ug/l	100
50) 2-Chloroethylvinylether	5.252	63	676493	596.45	ug/l	83
51) cis-1,3-Dichloropropene	5.355	75	1299352	562.24	ug/l	94
52) trans-1,3-Dichloropropene	5.679	75	1213024	595.30	ug/l	99
53) 1,1,2-Trichloroethane	5.800	97	653965	457.89	ug/l	93
54) 1,2-Dibromoethane	6.118	107	824440	493.60	ug/l	95
55) 1,3-Dichloropropane	5.902	76	1150089	419.85	ug/l	94
56) 4-Methyl-2-Pentanone	5.439	43	1590455	598.36	ug/l	90
57) 2-Hexanone	5.926	43	1182560	602.85	ug/l	86
58) Tetrachloroethene	5.884	164	421107	344.02	ug/l	98
60) Toluene	5.559	92	1311870	393.13	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.443	133	449211	373.15	ug/l	95
62) Chlorobenzene	6.407	112	1586452	393.92	ug/l	96
64) Bromoform	6.906	173	794498	696.88	ug/l	99
65) Ethylbenzene	6.461	106	383232	268.72	ug/l	86
66) 1,1,2,2-Tetrachloroethane	7.159	83	950971	454.83	ug/l	86
68) Styrene	6.774	104	1170739	334.18	ug/l	85
69) m&p-Xylenes	6.521	106	1187359	635.21	ug/l	78

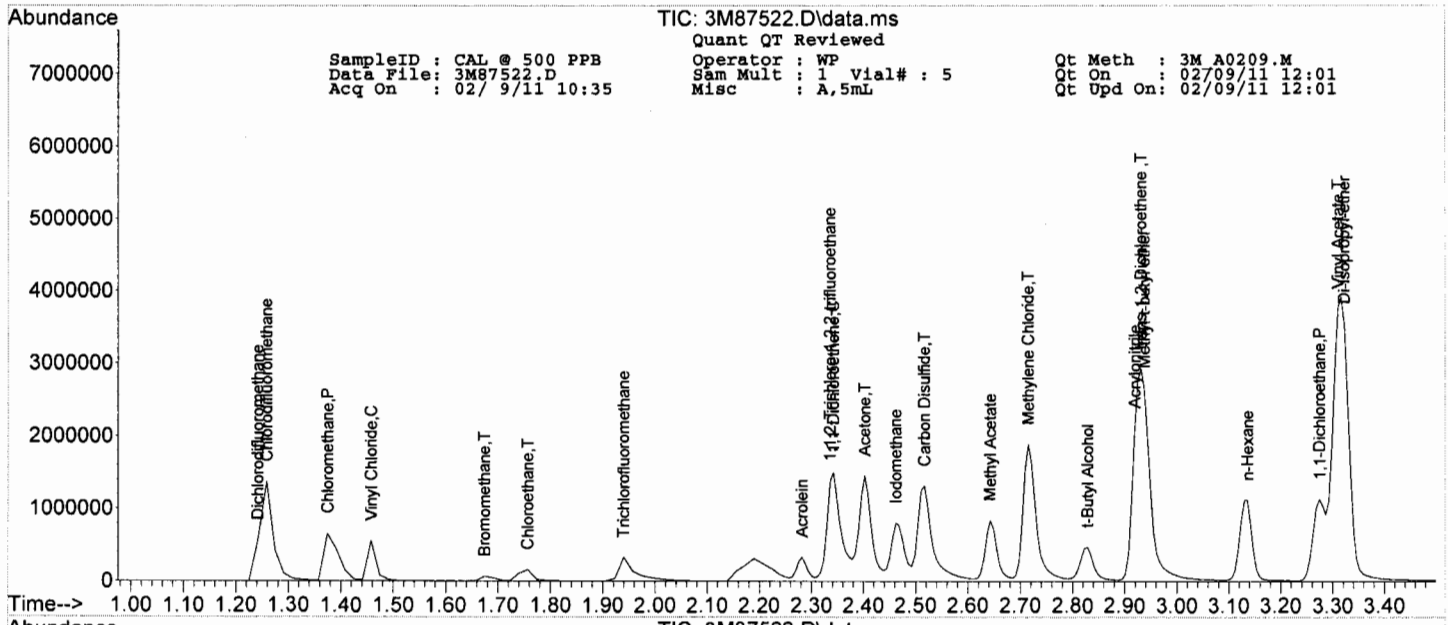
Quantitation Report (QT Reviewed)

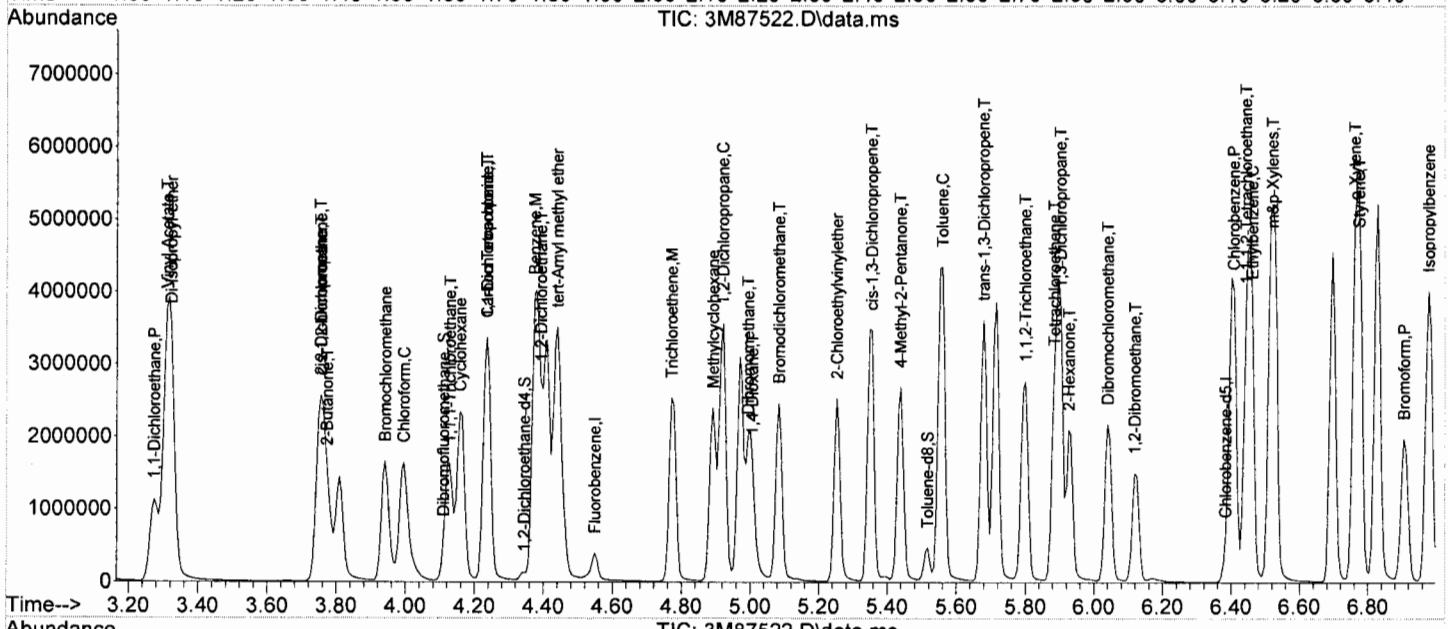
SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87522.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:01
Acq On : 02/ 9/11 10:35 Misc : A,5mL Qt Upd On: 02/09/11 12:01

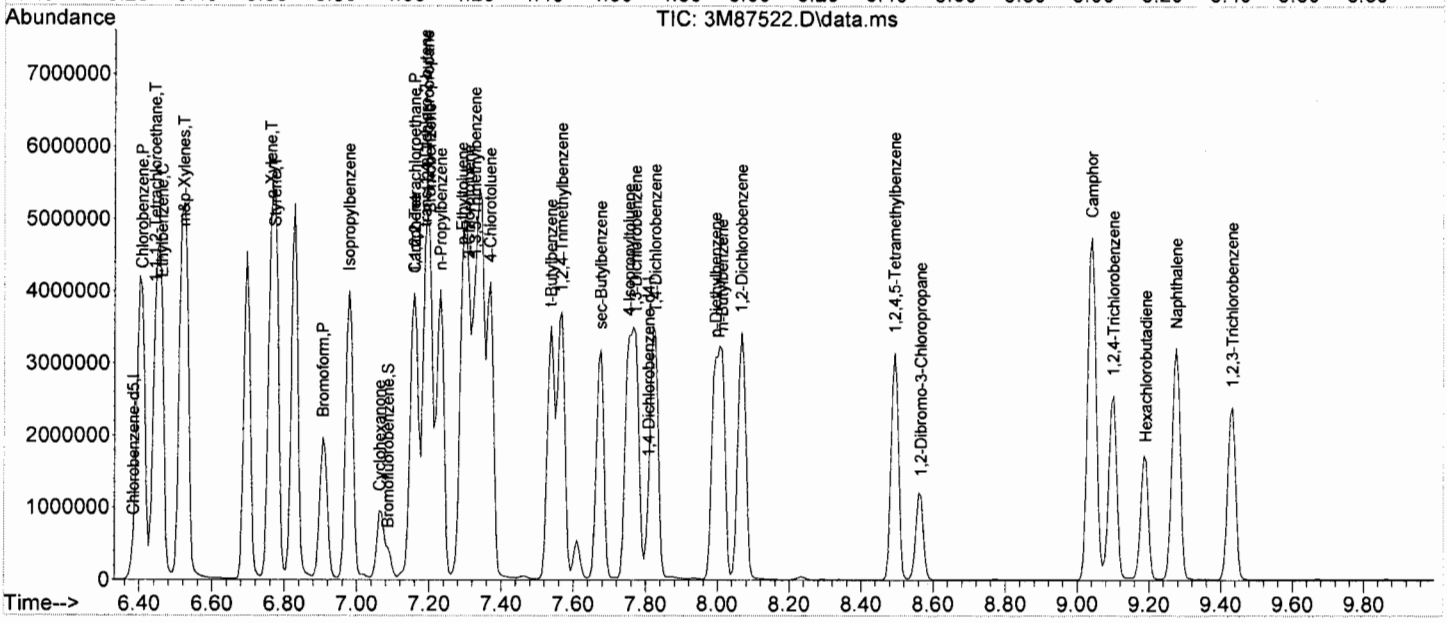
Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.762	106	655149	328.43 ug/l	74
71)	trans-1,4-Dichloro-2-b...	7.189	53	411610	647.61 ug/l	43
72)	1,3-Dichlorobenzene	7.772	146	1086775	383.77 ug/l	96
73)	1,4-Dichlorobenzene	7.826	146	1232420	400.70 ug/l	98
74)	1,2-Dichlorobenzene	8.067	146	1242358	422.36 ug/l	98
75)	Isopropylbenzene	6.978	105	2026205	432.47 ug/l	98
76)	Cyclohexanone	7.062	55	333872	3611.11 ug/l	94
77)	Camphene	7.159	93	489135	419.46 ug/l	92
78)	1,2,3-Trichloropropane	7.195	75	1025266	440.73 ug/l	84
79)	2-Chlorotoluene	7.309	91	1042686	293.18 ug/l	97
80)	p-Ethyltoluene	7.291	105	1679573	317.16 ug/l	95
81)	4-Chlorotoluene	7.369	91	1419639	406.28 ug/l	95
82)	n-Propylbenzene	7.231	91	2560761	422.40 ug/l	98
83)	Bromobenzene	7.201	77	1651298	412.62 ug/l	79
84)	1,3,5-Trimethylbenzene	7.327	105	1390044	353.75 ug/l	100
85)	t-Butylbenzene	7.537	119	1435365	426.39 ug/l	93
86)	1,2,4-Trimethylbenzene	7.567	105	1733269	416.70 ug/l	89
87)	sec-Butylbenzene	7.676	105	1841712	443.29 ug/l	95
88)	4-Isopropyltoluene	7.754	119	1295238	401.36 ug/l	97
89)	n-Butylbenzene	8.012	91	1639776	413.59 ug/l	98
90)	p-Diethylbenzene	7.994	119	780874	416.77 ug/l	96
91)	1,2,4,5-Tetramethylben...	8.493	119	1491579	460.35 ug/l	99
92)	1,2-Dibromo-3-Chloropr...	8.566	157	303343	733.44 ug/l	97
93)	Camphor	9.041	95	1026443	6461.33 ug/l	91
94)	Hexachlorobutadiene	9.191	225	358210	419.62 ug/l	99
95)	1,2,4-Trichlorobenzene	9.101	180	796391	453.56 ug/l	99
96)	1,2,3-Trichlorobenzene	9.432	180	786133	467.18 ug/l	99
97)	Naphthalene	9.275	128	2312451	546.62 ug/l	100

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


Abundance
TIC: 3M87522.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 3M87522.D
Acq On : 02/ 9/11 10:35
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5mL
Qt Meth : 3M A0209.M
Qt On : 02/09/11 12:01
Qt Upd On: 02/09/11 12:01
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M87522.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 3M87522.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
Styrene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87519.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 14:26
Acq On : 02/ 9/11 09:40 Misc : A,5mL Qt Upd On: 02/09/11 14:20

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.549	96	159695	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.383	117	135256	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.803	152	83426	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.110	111	42730	31.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.77%			
35) 1,2-Dichloroethane-d4	4.339	102	9922	32.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.23%			
59) Toluene-d8	5.511	100	108234	29.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.97%			
67) Bromofluorobenzene	7.087	174	70128	28.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.73%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.257	51	4324	1.77	ug/l	92
6) Dichlorodifluoromethane	1.257	85	643	0.66	ug/l	96
7) Chloromethane	1.390	50	1046	0.76	ug/l	82
8) Bromomethane	1.706	94	287	0.88	ug/l	85
9) Vinyl Chloride	1.457	62	560	0.69	ug/l	98
10) Chloroethane	1.773	66	192m	1.91	ug/l	
11) Trichlorofluoromethane	1.956	101	365	0.61	ug/l	84
12) 1,1,2-Trichloro-1,2,2-...	2.336	101	39m	0.10	ug/l	
14) Acrolein	2.276	56	223m	3.07	ug/l	
15) Acrylonitrile	2.932	53	220	0.40	ug/l	71
16) Iodomethane	2.469	142	1035	0.65	ug/l	97
18) Carbon Disulfide	2.517	76	1998	0.60	ug/l	100
19) t-Butyl Alcohol	2.818	59	231	2.57	ug/l	63
20) n-Hexane	3.130	57	220m	0.31	ug/l	
21) Di-isopropyl-ether	3.323	45	2647	0.49	ug/l	85
22) 1,1-Dichloroethene	2.349	61	812	0.44	ug/l	78
23) Methyl Acetate	2.637	43	1300	0.76	ug/l	100
24) Methyl-t-butyl ether	2.932	73	1376	0.70	ug/l	76
25) 1,1-Dichloroethane	3.275	63	1597	0.65	ug/l	76
26) trans-1,2-Dichloroethene	2.932	96	575	0.63	ug/l	86
27) cis-1,2-Dichloroethene	3.750	61	1654	0.74	ug/l	73
28) Bromochloromethane	3.936	49	1196	0.70	ug/l	91
29) 2,2-Dichloropropane	3.756	77	730	0.58	ug/l	73
30) 1,4-Dioxane	5.000	88	380	23.31	ug/l	79
31) 1,1-Dichloropropene	4.237	75	764	0.47	ug/l	78
32) Chloroform	3.996	83	1490	0.70	ug/l	86
34) Cyclohexane	4.158	56	638m	0.40	ug/l	
36) 1,2-Dichloroethane	4.393	62	1324	0.60	ug/l	95
37) 2-Butanone	3.768	43	572	0.53	ug/l	49
38) 1,1,1-Trichloroethane	4.122	97	938	0.62	ug/l	95
39) Carbon Tetrachloride	4.231	117	633	0.54	ug/l	86
40) Vinyl Acetate	3.311	43	4049	0.65	ug/l	100
41) Bromodichloromethane	5.079	83	1480	0.74	ug/l	98
42) Methylcyclohexane	4.886	83	370m	0.37	ug/l	
43) Dibromomethane	4.994	174	723	0.58	ug/l	90
44) 1,2-Dichloropropane	4.910	63	1286	0.65	ug/l	87
45) Trichloroethene	4.772	130	845	0.64	ug/l	76
46) Benzene	4.375	78	3636	0.70	ug/l	100
47) tert-Amyl methyl ether	4.435	73	1471	0.50	ug/l	82
49) Dibromochloromethane	6.041	129	855	0.48	ug/l	78
50) 2-Chloroethylvinylether	5.253	63	507	0.36	ug/l	80
51) cis-1,3-Dichloropropene	5.349	75	1323	0.49	ug/l	90
52) trans-1,3-Dichloropropene	5.674	75	1146	0.45	ug/l	97
53) 1,1,2-Trichloroethane	5.794	97	1053	0.72	ug/l	91
54) 1,2-Dibromoethane	6.125	107	1038	0.59	ug/l	85
55) 1,3-Dichloropropane	5.896	76	1599	0.57	ug/l	89
56) 4-Methyl-2-Pentanone	5.433	43	1327	0.41	ug/l	99
57) 2-Hexanone	5.926	43	865	0.36	ug/l	97
58) Tetrachloroethene	5.884	164	710	0.63	ug/l	99
60) Toluene	5.554	92	2625	0.79	ug/l	79
61) 1,1,1,2-Tetrachloroethane	6.444	133	826	0.66	ug/l	57
62) Chlorobenzene	6.401	112	2812	0.70	ug/l	87
64) Bromoform	6.907	173	715	0.41	ug/l	77
65) Ethylbenzene	6.450	106	1003	0.69	ug/l	62
66) 1,1,2,2-Tetrachloroethane	7.153	83	1587	0.65	ug/l	82
68) Styrene	6.768	104	2024	0.56	ug/l	94
69) m&p-Xylenes	6.522	106	2229	1.21	ug/l	76
70) o-Xylene	6.762	106	1065	0.51	ug/l	96
71) trans-1,4-Dichloro-2-b...	7.183	53	534m	0.57	ug/l	

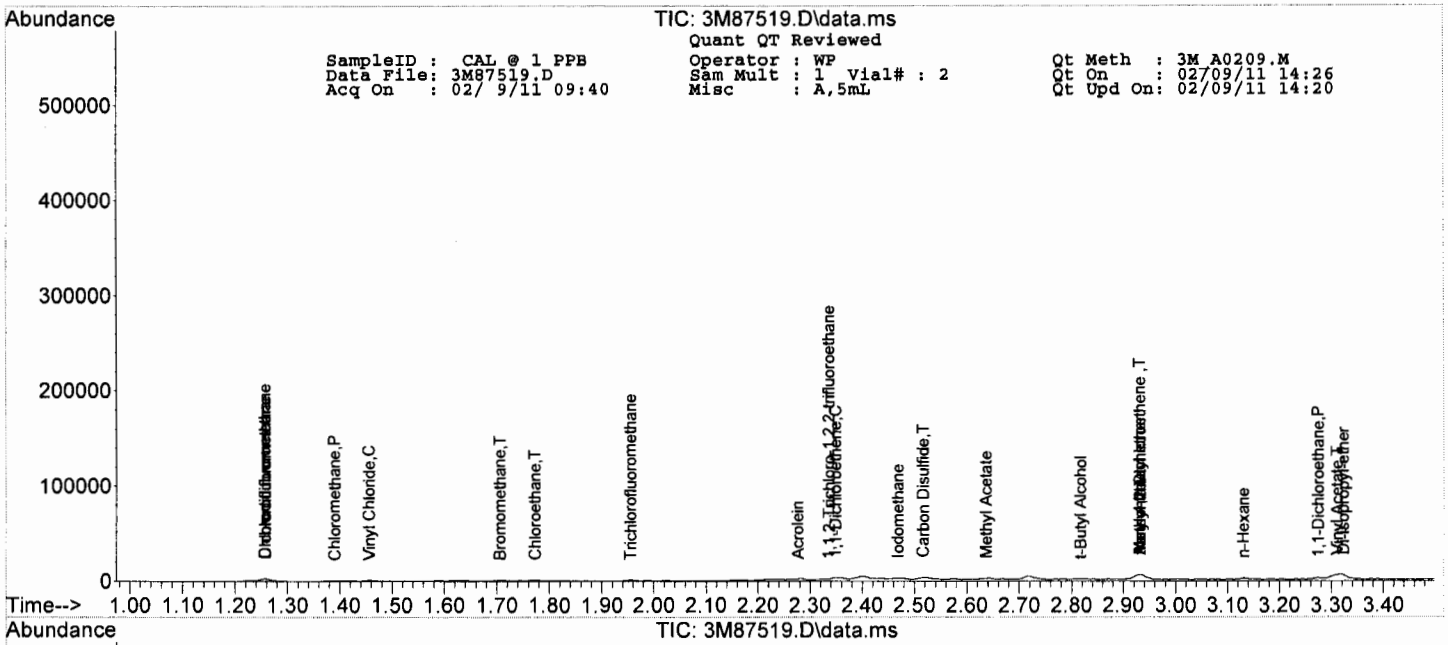
Quantitation Report (QT Reviewed)

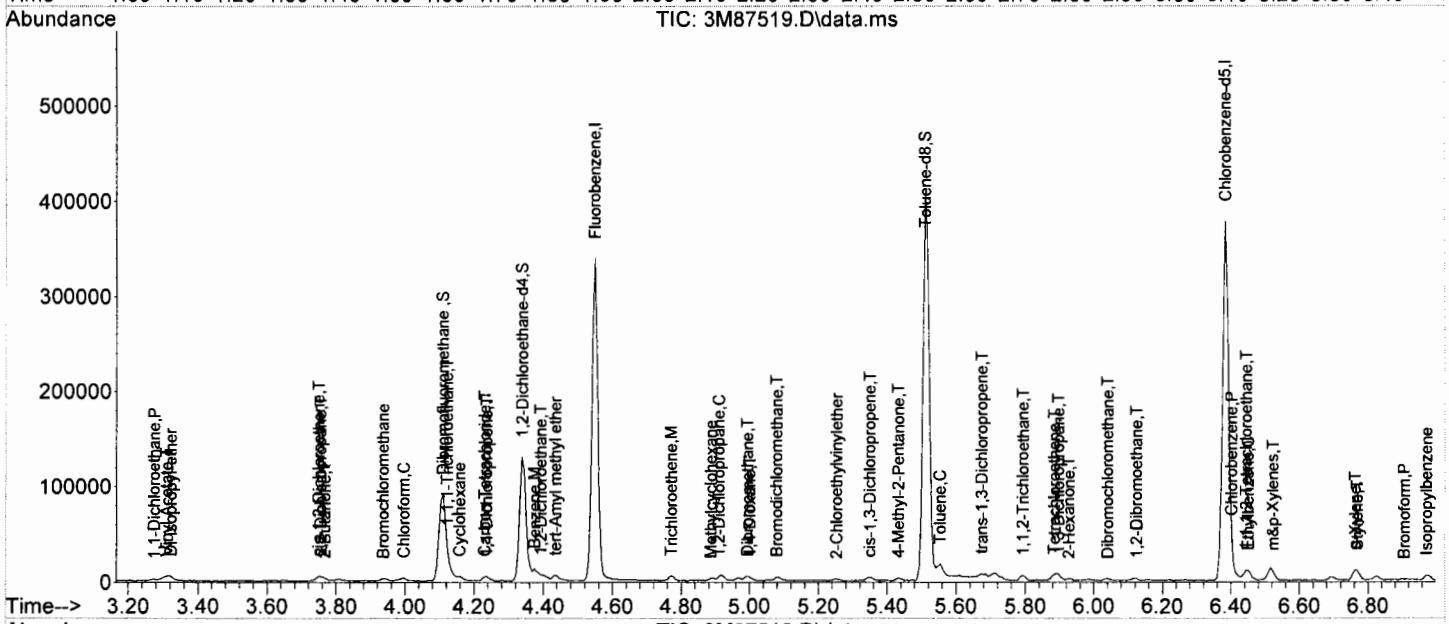
SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87519.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 14:26
Acq On : 02/ 9/11 09:40 Misc : A,5mL Qt Upd On: 02/09/11 14:20

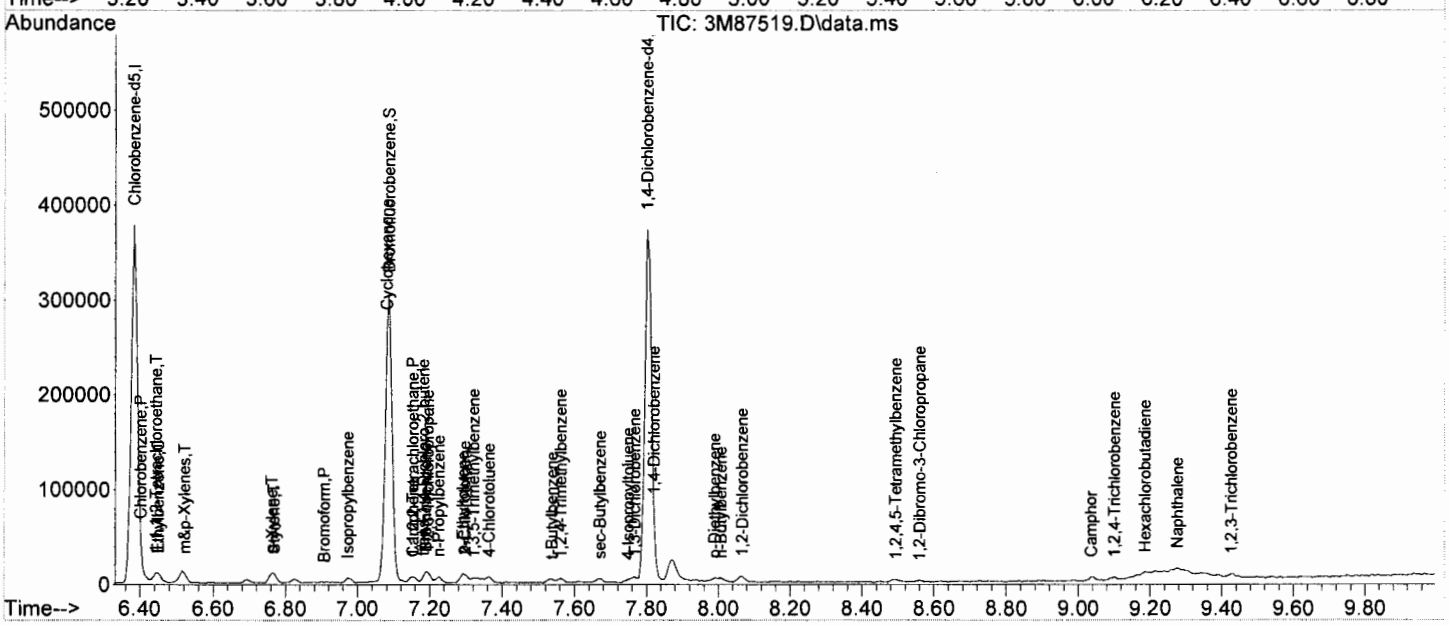
Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
72) 1,3-Dichlorobenzene	7.766	146	1887	0.64 ug/l	93
73) 1,4-Dichlorobenzene	7.821	146	2437m	0.76 ug/l	
74) 1,2-Dichlorobenzene	8.067	146	2126	0.68 ug/l	89
75) Isopropylbenzene	6.973	105	2174	0.47 ug/l	92
76) Cyclohexanone	7.081	55	557	3.70 ug/l	71
77) Camphene	7.153	93	678	0.61 ug/l	74
78) 1,2,3-Trichloropropane	7.195	75	1803	0.65 ug/l	91
79) 2-Chlorotoluene	7.297	91	2087	0.58 ug/l	95
80) p-Ethyltoluene	7.291	105	2828	0.57 ug/l	91
81) 4-Chlorotoluene	7.364	91	2077	0.56 ug/l	92
82) n-Propylbenzene	7.225	91	3456	0.58 ug/l	89
83) Bromobenzene	7.189	77	3174	0.72 ug/l	86
84) 1,3,5-Trimethylbenzene	7.321	105	1686	0.44 ug/l	84
85) t-Butylbenzene	7.538	119	1658	0.50 ug/l	98
86) 1,2,4-Trimethylbenzene	7.562	105	1736	0.43 ug/l	93
87) sec-Butylbenzene	7.670	105	1813	0.43 ug/l	92
88) 4-Isopropyltoluene	7.748	119	1368	0.46 ug/l	92
89) n-Butylbenzene	8.007	91	1954	0.52 ug/l	98
90) p-Diethylbenzene	7.989	119	897m	0.50 ug/l	
91) 1,2,4,5-Tetramethylben...	8.494	119	1430	0.42 ug/l	87
92) 1,2-Dibromo-3-Chloropr...	8.560	157	212m	0.32 ug/l	
93) Camphor	9.035	95	797	3.40 ug/l	84
94) Hexachlorobutadiene	9.186	225	516	0.63 ug/l	94
95) 1,2,4-Trichlorobenzene	9.101	180	974m	0.54 ug/l	
96) 1,2,3-Trichlorobenzene	9.426	180	898m	0.50 ug/l	
97) Naphthalene	9.276	128	2448	0.47 ug/l	100

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


Abundance
TIC: 3M87519.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 3M87519.D
Acq On : 02/ 9/11 09:40
Operator : WP
Sam Mult : 1 Vial# : 2
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 14:26
Qt Upd On: 02/09/11 14:20
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M87519.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Benzene,M
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 3M87519.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
1,4-Dichlorobenzene-d4
1,4-Dichlorobenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87520.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:15
Acq On : 02/ 9/11 09:59 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.549	96	153680	30.00 ug/l	0.00
48) Chlorobenzene-d5	6.383	117	130221	30.00 ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.808	152	76311	30.00 ug/l	0.00
System Monitoring Compounds					
33) Dibromofluoromethane	4.104	111	41899	32.19 ug/l	0.00
Spiked Amount 30.000			Recovery = 107.30%		
35) 1,2-Dichloroethane-d4	4.339	102	9272	30.83 ug/l	0.00
Spiked Amount 30.000			Recovery = 102.77%		
59) Toluene-d8	5.511	100	104855	30.32 ug/l	0.00
Spiked Amount 30.000			Recovery = 101.07%		
67) Bromofluorobenzene	7.087	174	63202	27.90 ug/l	0.00
Spiked Amount 30.000			Recovery = 93.00%		
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D.	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	
13) Methylene Chloride	0.000		0	N.D. d	
14) Acrolein	0.000		0	N.D.	
15) Acrylonitrile	0.000		0	N.D. d	
16) Iodomethane	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) Carbon Disulfide	0.000		0	N.D. d	
19) t-Butyl Alcohol	0.000		0	N.D. d	
20) n-Hexane	0.000		0	N.D. d	
21) Di-isopropyl-ether	0.000		0	N.D. d	
22) 1,1-Dichloroethene	0.000		0	N.D. d	
23) Methyl Acetate	0.000		0	N.D. d	
24) Methyl-t-butyl ether	2.926	73	640	0.31 ug/l #	71
25) 1,1-Dichloroethane	0.000		0	N.D. d	
26) trans-1,2-Dichloroethene	0.000		0	N.D. d	
27) cis-1,2-Dichloroethene	0.000		0	N.D. d	
28) Bromochloromethane	0.000		0	N.D. d	
29) 2,2-Dichloropropane	0.000		0	N.D. d	
30) 1,4-Dioxane	0.000		0	N.D. d	
31) 1,1-Dichloropropene	0.000		0	N.D. d	
32) Chloroform	0.000		0	N.D. d	
34) Cyclohexane	0.000		0	N.D. d	
36) 1,2-Dichloroethane	4.387	62	955	0.41 ug/l	99
37) 2-Butanone	0.000		0	N.D. d	
38) 1,1,1-Trichloroethane	0.000		0	N.D. d	
39) Carbon Tetrachloride	0.000		0	N.D. d	
40) Vinyl Acetate	0.000		0	N.D. d	
41) Bromodichloromethane	0.000		0	N.D. d	
42) Methylcyclohexane	0.000		0	N.D. d	
43) Dibromomethane	0.000		0	N.D. d	
44) 1,2-Dichloropropane	0.000		0	N.D. d	
45) Trichloroethene	0.000		0	N.D. d	
46) Benzene	4.375	78	2222	0.41 ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D. d	
49) Dibromochloromethane	0.000		0	N.D. d	
50) 2-Chloroethylvinylether	0.000		0	N.D. d	
51) cis-1,3-Dichloropropene	0.000		0	N.D. d	
52) trans-1,3-Dichloropropene	0.000		0	N.D. d	
53) 1,1,2-Trichloroethane	0.000		0	N.D. d	
54) 1,2-Dibromoethane	0.000		0	N.D. d	
55) 1,3-Dichloropropane	0.000		0	N.D. d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
57) 2-Hexanone	0.000		0	N.D. d	
58) Tetrachloroethene	5.884	164	548m	0.45 ug/l	
60) Toluene	0.000		0	N.D. d	
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	
62) Chlorobenzene	0.000		0	N.D. d	
64) Bromoform	0.000		0	N.D. d	
65) Ethylbenzene	0.000		0	N.D. d	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
68) Styrene	0.000		0	N.D. d	
69) m&p-Xylenes	6.515	106	1252	0.66 ug/l	98

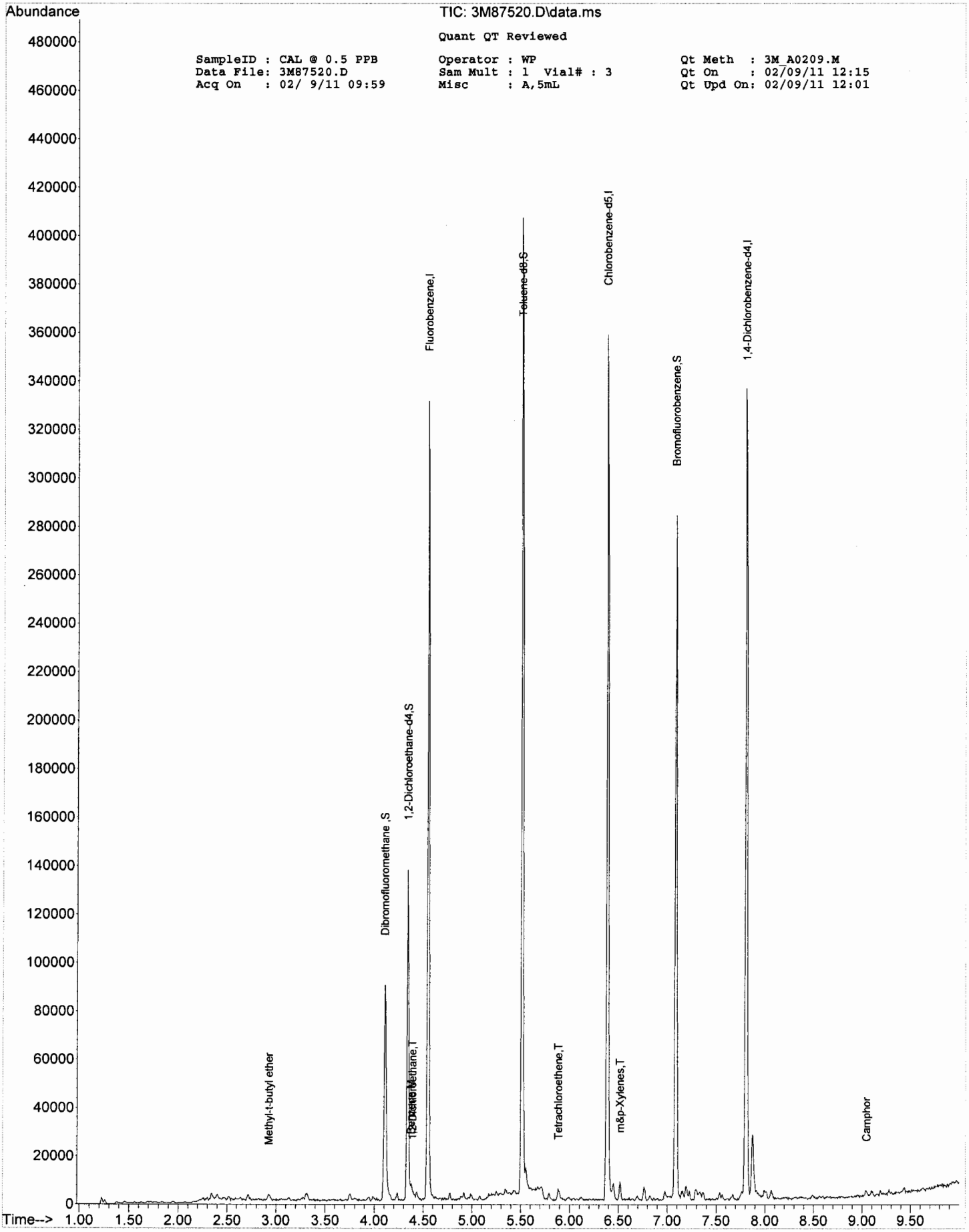
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M87520.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:15
Acq On : 02/ 9/11 09:59 Misc : A,5mL Qt Upd On: 02/09/11 12:01

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	0.000		0	N.D. d	
71)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
72)	1,3-Dichlorobenzene	0.000		0	N.D. d	
73)	1,4-Dichlorobenzene	0.000		0	N.D. d	
74)	1,2-Dichlorobenzene	0.000		0	N.D. d	
75)	Isopropylbenzene	0.000		0	N.D. d	
76)	Cyclohexanone	0.000		0	N.D. d	
77)	Camphene	0.000		0	N.D. d	
78)	1,2,3-Trichloropropane	0.000		0	N.D. d	
79)	2-Chlorotoluene	0.000		0	N.D. d	
80)	p-Ethyltoluene	0.000		0	N.D. d	
81)	4-Chlorotoluene	0.000		0	N.D. d	
82)	n-Propylbenzene	0.000		0	N.D. d	
83)	Bromobenzene	0.000		0	N.D. d	
84)	1,3,5-Trimethylbenzene	0.000		0	N.D. d	
85)	t-Butylbenzene	0.000		0	N.D. d	
86)	1,2,4-Trimethylbenzene	0.000		0	N.D. d	
87)	sec-Butylbenzene	0.000		0	N.D. d	
88)	4-Isopropyltoluene	0.000		0	N.D. d	
89)	n-Butylbenzene	0.000		0	N.D. d	
90)	p-Diethylbenzene	0.000		0	N.D. d	
91)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
92)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
93)	Camphor	9.041	95	340	2.12 ug/l	96
94)	Hexachlorobutadiene	0.000		0	N.D. d	
95)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
96)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
97)	Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 3M87520.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 3M87520.D
Acq On : 02/ 9/11 09:59
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : A,5mL
Qt Meth : 3M_A0209.M
Qt On : 02/09/11 12:15
Qt Upd On: 02/09/11 12:01
Methyl-t-butyl ether
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

0180

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M63428.	CAL @ 20 PPB	02/25/11 09:50	2	2M63423.	CAL @ 5 PPB	02/25/11 08:31
3	2M63429.	CAL @ 10 PPB	02/25/11 10:06	4	2M63427.	CAL @ 50 PPB	02/25/11 09:34
5	2M63426.	CAL @ 100 PPB	02/25/11 09:18	6	2M63425.	CAL @ 250 PPB	02/25/11 09:02
7	2M63424.	CAL @ 500 PPB	02/25/11 08:47	8	2M63421.	CAL @ 1 PPB	02/25/11 07:55
9	2M63422.	CAL @ 0.5 PPB	02/25/11 08:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.6289	0.7993	0.7786	0.6034	0.5640	0.5971	----	1.7956	----	0.824	1.19	0.999	1.00	53		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dichlorodifluoromethan	1	0	Avg	0.3245	0.3469	0.3780	0.3240	0.3508	0.3308	0.3253	0.3316	----	0.339	1.19	1.00	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	LinF	0.3438	0.3933	0.4147	0.3482	0.3406	0.3608	0.3763	0.5907	----	0.396	1.31	0.999	1.00	21	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1800	0.1658	0.1918	0.1699	0.1550	----	----	0.1916	----	0.176	1.59	0.997	1.00	8.4		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	Avg	0.2589	0.3025	0.3387	0.2706	0.2754	0.2650	0.2698	0.3208	----	0.288	1.37	1.00	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	LinF	0.1643	0.1932	0.1905	0.1527	0.1418	0.1403	0.1224	0.2206	----	0.166	1.64	0.996	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.3117	0.2303	0.3605	0.2874	0.2876	0.2925	0.2816	0.3193	----	0.296	1.81	1.00	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.3654	0.2974	0.4446	0.3582	0.3350	0.3098	----	0.3029	----	0.345	2.01	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Furan	1	0	Avg	1.0032	0.8673	1.1728	0.9658	0.9365	0.9313	0.8298	1.0682	----	0.972	2.03	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.1804	0.1612	0.2052	0.1823	0.1868	0.1815	0.1438	0.1668	----	0.176	2.16	0.985	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3806	0.3193	0.4489	0.3592	0.3519	0.3515	0.3100	0.4071	----	0.366	2.50	0.996	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	LinF	0.0494	0.0285	0.0477	0.0520	0.0500	0.0493	0.0436	0.0130	----	0.0417	2.10	0.996	1.00	33		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1403	0.1381	0.1404	0.1364	0.1287	0.1247	0.0982	0.1513	----	0.132	2.69	0.984	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	LinF	0.5877	0.4250	0.6872	0.5425	0.4992	0.4666	0.4067	0.5734	----	0.524	2.27	0.995	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	LinF	0.1061	0.1007	0.1396	0.1072	0.1011	0.1000	0.0898	0.1633	----	0.114	2.19	0.997	1.00	22		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.9896	0.8818	1.1884	0.9849	0.9839	1.0063	0.9109	1.1484	----	1.01	2.32	0.998	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0272	0.0263	0.0350	0.0296	0.0287	0.0265	0.0245	0.0284	----	0.0283	2.57	0.998	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1916	0.2175	0.2477	0.2275	0.2562	0.2661	0.2334	0.1786	----	0.227	2.89	0.995	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.4239	1.1087	1.6370	1.4186	1.3262	1.2711	1.0295	1.2631	----	1.31	3.05	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.5409	0.4780	0.6362	0.5279	0.4995	0.4959	0.4138	0.6256	----	0.527	2.16	0.992	1.00	14	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3223	0.2810	0.4108	0.3175	0.2941	0.3045	0.2711	0.3320	----	0.317	2.42	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.8191	0.6489	0.9221	0.7891	0.7495	0.6843	0.5441	0.7459	0.8214	0.747	2.69	0.985	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.6885	0.5691	0.8402	0.7004	0.6706	0.6586	0.5578	0.6749	----	0.670	3.01	0.993	1.00	13	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.3321	0.2934	0.3605	0.3159	0.2988	0.2758	----	0.3597	----	0.319	2.70	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.5599	0.4526	0.6448	0.5333	0.5017	0.4688	----	0.5884	----	0.536	3.47	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromochloromethane	1	0	Avg	0.3692	0.3405	0.4278	0.3552	0.3503	0.3204	0.2626	0.4136	----	0.355	3.66	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3167	0.2854	0.3347	0.3064	0.3066	0.3020	0.2463	0.2669	----	0.296	3.47	0.989	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.3599	0.3122	0.4713	0.4096	0.3907	0.3871	0.3495	0.4264	----	0.388	3.52	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0039	0.0032	0.0045	0.0037	0.0034	0.0031	----	0.0037	----	0.00370	4.75	0.998	1.00	13		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	Avg	0.4386	0.3551	0.5428	0.4373	0.4188	0.3819	----	0.4751	----	0.436	3.98	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroform	1	0	Avg	0.5544	0.4282	0.6276	0.5402	0.5247	0.5128	0.4413	0.5840	----	0.527	3.73	0.994	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2482	0.2685	0.2438	0.2522	0.2420	0.2421	0.2284	0.2555	0.2576	0.249	3.85	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3712	0.3555	0.4256	0.4215	0.4521	0.4475	0.3699	0.3515	----	0.399	3.90	0.990	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1506	0.1573	0.1630	0.1628	0.1630	0.1624	0.1533	0.1499	0.1555	0.158	4.09	-1	-1	3.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4827	0.4168	0.5667	0.4619	0.4359	0.4095	----	0.4999	0.6015	0.484	4.14	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
2-Butanone	1	0	Avg	0.1636	0.1683	0.2007	0.1563	0.1527	0.1510	0.1391	0.1199	----	0.156	3.48	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.4010	0.3649	0.4524	0.3924	0.4032	0.4004	0.3417	0.4342	----	0.399	3.87	0.994	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3276	0.2723	0.3704	0.3298	0.3323	0.3121	0.2439	0.2651	----	0.307	3.99	0.982	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	LinF	1.3418	0.8563	1.3716	1.4291	1.4100	1.3418	----	0.9427	----	1.24	3.04	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromodichloromethane	1	0	Avg	0.4981	0.4507	0.5862	0.5070	0.4899	0.4770	0.3984	0.4913	----	0.487	4.84	0.991	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	Avg	0.2848	0.2940	0.3495	0.3148	0.3617	0.3484	0.2755	0.3239	----	0.319	4.65	0.984	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

0181

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M63428.	CAL @ 20 PPB	02/25/11 09:50	2	2M63423.	CAL @ 5 PPB	02/25/11 08:31
3	2M63429.	CAL @ 10 PPB	02/25/11 10:06	4	2M63427.	CAL @ 50 PPB	02/25/11 09:34
5	2M63426.	CAL @ 100 PPB	02/25/11 09:18	6	2M63425.	CAL @ 250 PPB	02/25/11 09:02
7	2M63424.	CAL @ 500 PPB	02/25/11 08:47	8	2M63421.	CAL @ 1 PPB	02/25/11 07:55
9	2M63422.	CAL @ 0.5 PPB	02/25/11 08:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.3073	0.2958	0.3608	0.2962	0.2721	0.2377	-----	0.3585	-----	0.304	4.75	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dichloropropane	1	0	Avg	0.4584	0.3958	0.5197	0.4489	0.4325	0.3875	0.3070	0.4597	-----	0.426	4.67	0.983	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3824	0.3249	0.4254	0.3423	0.3370	0.3073	-----	0.4269	-----	0.364	4.54	0.998	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Benzene	1	0	Avg	1.4390	1.1564	1.5636	1.3383	1.2445	1.1167	-----	1.4323	1.5466	1.35	4.13	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.9304	0.7440	1.0774	0.9350	0.8749	0.8142	0.6615	0.7933	-----	0.854	4.19	0.988	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	LinF	0.9335	0.6681	1.0557	0.9814	0.9720	1.0182	0.9619	0.6418	-----	0.904	4.16	0.999	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	LinF	0.5588	0.3896	0.6423	0.5420	0.5396	0.5466	0.4660	0.3868	-----	0.509	4.73	0.994	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.5232	0.3922	0.5691	0.5179	0.5084	0.5169	0.4456	0.5029	-----	0.497	5.77	0.995	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.3340	0.2505	0.3707	0.3286	0.3459	0.3469	0.3099	0.2690	-----	0.319	5.00	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropen	1	0	Avg	0.8126	0.5815	0.8881	0.7837	0.7748	0.7845	0.6721	0.6745	-----	0.747	5.09	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	Avg	0.7109	0.5151	0.7729	0.6892	0.6992	0.7048	0.5991	0.6482	-----	0.667	5.42	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.6001	0.4129	0.6409	0.6113	0.6072	0.6105	0.5159	0.4062	-----	0.551	5.46	0.993	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.4409	0.3619	0.5009	0.4243	0.4144	0.4052	0.3404	0.4413	-----	0.416	5.53	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4995	0.3995	0.5707	0.4762	0.4820	0.4699	0.4072	0.4419	-----	0.468	5.85	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.8153	0.7146	0.9299	0.7909	0.7508	0.6995	0.5630	0.8125	-----	0.760	5.64	0.987	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	LinF	0.5912	0.4384	0.7186	0.6098	0.6016	0.6157	0.5654	0.3684	-----	0.564	5.19	0.998	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.4013	0.3006	0.4979	0.4345	0.4167	0.4486	0.4127	0.2792	-----	0.399	5.67	0.998	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.4021	0.3815	0.4411	0.3594	0.3603	0.3222	-----	0.4851	-----	0.393	5.62	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Toluene-d8	1	0	Avg	1.2942	1.3152	1.2928	1.3124	1.3301	1.3905	1.4725	1.2502	1.2777	1.33	5.26	-1	-1	5.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.1784	0.9749	1.2770	1.0769	1.0457	0.9743	-----	1.3025	-----	1.12	5.30	0.999	1.00	12	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.4455	0.3766	0.4857	0.3998	0.3736	0.3456	-----	0.4089	-----	0.405	6.17	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chlorobenzene	1	0	Avg	1.3230	1.1182	1.4725	1.2210	1.2033	1.1195	-----	1.4380	-----	1.27	6.13	0.999	1.00	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butyl acrylate	1	0	LinF	1.8682	1.0919	2.1148	2.0525	2.0642	2.1029	1.8257	1.0770	-----	1.77	6.43	0.995	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	1.7602	0.9524	1.8378	2.0150	2.0094	2.1031	1.8745	0.8883	-----	1.68	6.56	0.997	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.7330	0.5849	0.8453	0.7328	0.7251	0.7587	0.6908	0.6151	-----	0.711	6.62	0.998	1.00	12	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	LinF	0.9053	0.7380	1.1186	0.8283	0.8112	0.7064	-----	0.9574	-----	0.867	6.18	0.996	1.00	16	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	1.0551	0.7885	1.2222	1.0278	0.9777	0.8939	-----	1.0026	-----	0.995	6.88	0.998	1.00	14	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromofluorobenzene	1	0	Avg	0.8581	0.8735	0.8950	0.9190	0.9421	1.0023	1.1200	0.9338	0.8876	0.937	6.80	-1	-1	8.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.4407	1.9531	2.7531	2.3406	2.1494	1.7791	-----	2.1341	-----	2.22	6.50	0.992	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	Avg	1.2999	1.1116	1.5148	1.2467	1.1613	0.9578	-----	1.1959	1.3700	1.23	6.25	0.992	1.00	14		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.3700	1.1613	1.5720	1.2987	1.2056	1.0030	-----	1.1701	-----	1.25	6.49	0.992	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	LinF	0.2651	0.1940	0.2858	0.2681	0.2466	0.2323	0.1976	0.3308	-----	0.253	6.91	0.993	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.8037	1.5794	2.1133	1.7234	1.5910	1.3708	-----	1.8756	-----	1.72	7.47	0.995	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.4-Dichlorobenzene	1	0	Avg	1.9001	1.6691	2.0990	1.7748	1.7398	1.6438	1.2805	2.0044	-----	1.76	7.53	0.982	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.8126	1.4794	2.0917	1.7476	1.6752	1.6128	1.2768	1.6507	-----	1.67	7.77	0.985	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	3.1805	2.5765	3.5903	3.1537	3.2077	2.9874	2.3697	2.4880	-----	2.94	6.70	0.984	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0333	0.0311	0.0426	0.0349	0.0365	0.0395	0.0359	0.0414	-----	0.0370	6.79	0.998	0.999	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.7176	0.6453	0.8579	0.7997	0.8960	0.8555	0.6890	0.6346	-----	0.762	6.88	0.987	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	1.2647	1.0022	1.4412	1.2714	1.1873	1.0509	-----	1.0677	-----	1.18	6.91	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
2-Chlorotoluene	1	0	Avg	2.1707	1.8219	2.5455	2.0594	1.7651	-----	-----	2.2538	-----	2.10	7.01	0.992	0.999	14		20.00	5.00	10.00	50.00	100.0			1.00	
p-Ethyltoluene	1	0	Avg	3.5529	3.1603	3.8762	3.3648	3.2110	2.6611	-----	3.1421	-----	3.28	7.01	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.2

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_2

0182

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M63428.	CAL @ 20 PPB	02/25/11 09:50	2	2M63423.	CAL @ 5 PPB	02/25/11 08:31
3	2M63429.	CAL @ 10 PPB	02/25/11 10:06	4	2M63427.	CAL @ 50 PPB	02/25/11 09:34
5	2M63426.	CAL @ 100 PPB	02/25/11 09:18	6	2M63425.	CAL @ 250 PPB	02/25/11 09:02
7	2M63424.	CAL @ 500 PPB	02/25/11 08:47	8	2M63421.	CAL @ 1 PPB	02/25/11 07:55
9	2M63422.	CAL @ 0.5 PPB	02/25/11 08:13				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	2.0743	1.7722	2.3002	1.9070	1.8137	1.6522	-----	1.7375	-----	1.89	7.08	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	3.8935	3.2943	4.2433	3.8293	3.8616	3.6975	2.9405	3.5448	-----	3.66	6.94	0.985	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	LinF	1.7342	1.3035	2.3241	1.9620	1.8540	1.6620	1.4469	1.9668	-----	1.78	6.91	0.994	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	2.7146	2.0761	2.9355	2.5544	2.5368	2.3007	-----	2.3184	-----	2.49	7.04	0.998	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	LinF	1.5274	0.8742	1.6756	1.5700	1.5497	1.5049	-----	0.9779	-----	1.38	7.06	1.00	1.00	23	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Avg	2.4142	1.9773	2.7902	2.4279	2.4827	2.3196	-----	1.8609	-----	2.32	7.25	0.999	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4-Trimethylbenzene	1	0	Avg	2.7448	2.2953	3.1641	2.7332	2.7242	2.5154	1.9598	2.3723	-----	2.56	7.28	0.982	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.9918	2.4427	3.3804	2.9842	3.1496	2.9836	2.4233	2.4858	-----	2.86	7.38	0.988	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.4107	1.9674	2.7656	2.2878	2.3269	2.0259	-----	2.1951	-----	2.28	7.46	0.996	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Avg	2.6418	2.0505	2.8814	2.5911	2.7121	2.5776	2.0343	2.1681	-----	2.46	7.72	0.984	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	LinF	1.4224	1.1029	1.5545	1.3803	1.4061	1.2959	-----	0.9333	-----	1.30	7.70	0.999	1.00	16	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4.5-Tetramethylber	1	0	LinF	2.3134	1.5512	2.4609	2.2587	2.2795	2.1590	-----	1.5348	-----	2.08	8.19	0.999	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dibromo-3-Chloropr	1	0	LinF	0.2296	0.1834	0.2696	0.2291	0.2239	0.2469	0.2263	0.1372	-----	0.218	8.25	0.998	0.999	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0957	0.0422	0.1122	0.0863	0.0840	0.0741	-----	0.0316	0.0534	0.0725	8.72	0.996	1.00	38	200.0	50.00	100.0	500.0	1000.	2500.		10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.7485	0.6180	0.8248	0.7265	0.7603	0.7122	0.5736	0.8151	-----	0.722	8.87	0.987	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	1.2550	1.0400	1.3977	1.1975	1.1656	1.1062	0.8907	1.1599	-----	1.15	8.78	0.987	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	1.1595	0.8204	1.2947	1.0964	1.0842	1.0147	-----	0.8890	-----	1.05	9.11	0.999	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Naphthalene	1	0	LinF	2.3588	1.4158	2.7648	2.2749	2.2881	2.2032	-----	1.3206	-----	2.09	8.96	1.00	1.00	25	20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.2
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63428.D Sam Mult : 1 Vial# : 13 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:50 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	290099	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	236731	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	140124	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	72007	30.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.63%			
38) 1,2-Dichloroethane-d4	4.090	67	43707	28.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.97%			
65) Toluene-d8	5.257	98	306385	28.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.87%			
75) Bromofluorobenzene	6.803	174	120249	28.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.192	51	121639	32.50	ug/l	89
6) Dichlorodifluoromethane	1.192	85	62775	28.26	ug/l	87
7) Chloromethane	1.308	50	66500	24.09	ug/l	82
8) Bromomethane	1.591	94	34813	24.91	ug/l	76
9) Vinyl Chloride	1.375	62	50082	23.31	ug/l	99
10) Chloroethane	1.641	64	31775	23.63	ug/l	86
11) Trichlorofluoromethane	1.808	101	60282	23.48	ug/l	87
12) Ethyl ether	2.007	59	70672	20.11	ug/l	90
13) Furan	2.027	39	194026	19.35	ug/l	95
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	34902	18.71	ug/l	92
15) Methylene Chloride	2.500	84	73607	21.18	ug/l	81
16) Acrolein	2.096	56	47844	92.70	ug/l	95
17) Acrylonitrile	2.687	53	27141	20.23	ug/l	77
18) Iodomethane	2.273	142	113667	25.33	ug/l	90
19) Acetone	2.194	43	102636	88.06	ug/l	92
20) Carbon Disulfide	2.323	76	191397	18.83	ug/l	100
21) t-Butyl Alcohol	2.569	59	26368	86.52	ug/l	72
22) n-Hexane	2.894	57	37057	12.15	ug/l	77
23) Di-isopropyl-ether	3.052	45	275397	20.28	ug/l	98
24) 1,1-Dichloroethene	2.165	61	104610	21.06	ug/l	95
25) Methyl Acetate	2.421	43	62344	19.46	ug/l	100
26) Methyl-t-butyl ether	2.687	73	158424	20.61	ug/l	66
27) 1,1-Dichloroethane	3.013	63	133170	20.22	ug/l	95
28) trans-1,2-Dichloroethene	2.697	96	64237	22.31	ug/l	93
29) cis-1,2-Dichloroethene	3.471	61	108299	20.90	ug/l	84
30) Bromochloromethane	3.663	49	71409	21.14	ug/l	67
31) 2,2-Dichloropropane	3.471	77	61266	14.61	ug/l	92
32) Ethyl acetate	3.525	43	69610	18.18	ug/l	97
33) 1,4-Dioxane	4.752	88	38263	1115.61	ug/l	81
34) 1,1-Dichloropropene	3.982	75	84842	19.42	ug/l	96
35) Chloroform	3.729	83	107224	19.96	ug/l	92
37) Cyclohexane	3.904	56	71806	15.54	ug/l	86
39) 1,2-Dichloroethane	4.138	62	93372	20.53	ug/l	97
40) 2-Butanone	3.483	43	31648	18.28	ug/l	96
41) 1,1,1-Trichloroethane	3.868	97	77557	17.58	ug/l	90
42) Carbon Tetrachloride	3.988	117	63367	19.09	ug/l	95
43) Vinyl Acetate	3.042	43	259503	18.93	ug/l	100
44) Bromodichloromethane	4.836	83	96340	19.74	ug/l	97
45) Methylcyclohexane	4.650	83	55083	13.08	ug/l	97
46) Dibromomethane	4.746	174	59433	22.31	ug/l	90
47) 1,2-Dichloropropane	4.674	63	88672	20.72	ug/l	91
48) Trichloroethene	4.535	130	73957	22.55	ug/l	94
49) Benzene	4.132	78	278316	20.62	ug/l	100
50) tert-Amyl methyl ether	4.193	73	179945	19.44	ug/l	72
52) Iso-propylacetate	4.163	43	147334	19.73	ug/l	68
53) Methyl methacrylate	4.728	41	88192	21.39	ug/l	91
54) Dibromochloromethane	5.775	129	82584	20.68	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	52719	18.56	ug/l	79
56) cis-1,3-Dichloropropene	5.095	75	128260	18.96	ug/l	90
57) trans-1,3-Dichloropropene	5.420	75	112205	18.96	ug/l	98
58) Ethyl methacrylate	5.456	41	94710	20.04	ug/l	83
59) 1,1,2-Trichloroethane	5.534	97	69598	20.74	ug/l	84
60) 1,2-Dibromoethane	5.847	107	78841	21.43	ug/l	94
61) 1,3-Dichloropropane	5.636	76	128678	20.88	ug/l	95
62) 4-Methyl-2-Pentanone	5.185	43	93307	18.49	ug/l	88
63) 2-Hexanone	5.666	43	63341	16.28	ug/l	83
64) Tetrachloroethene	5.624	164	63466	20.56	ug/l	95
66) Toluene	5.299	92	185980	20.70	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.172	133	70320	21.88	ug/l	65

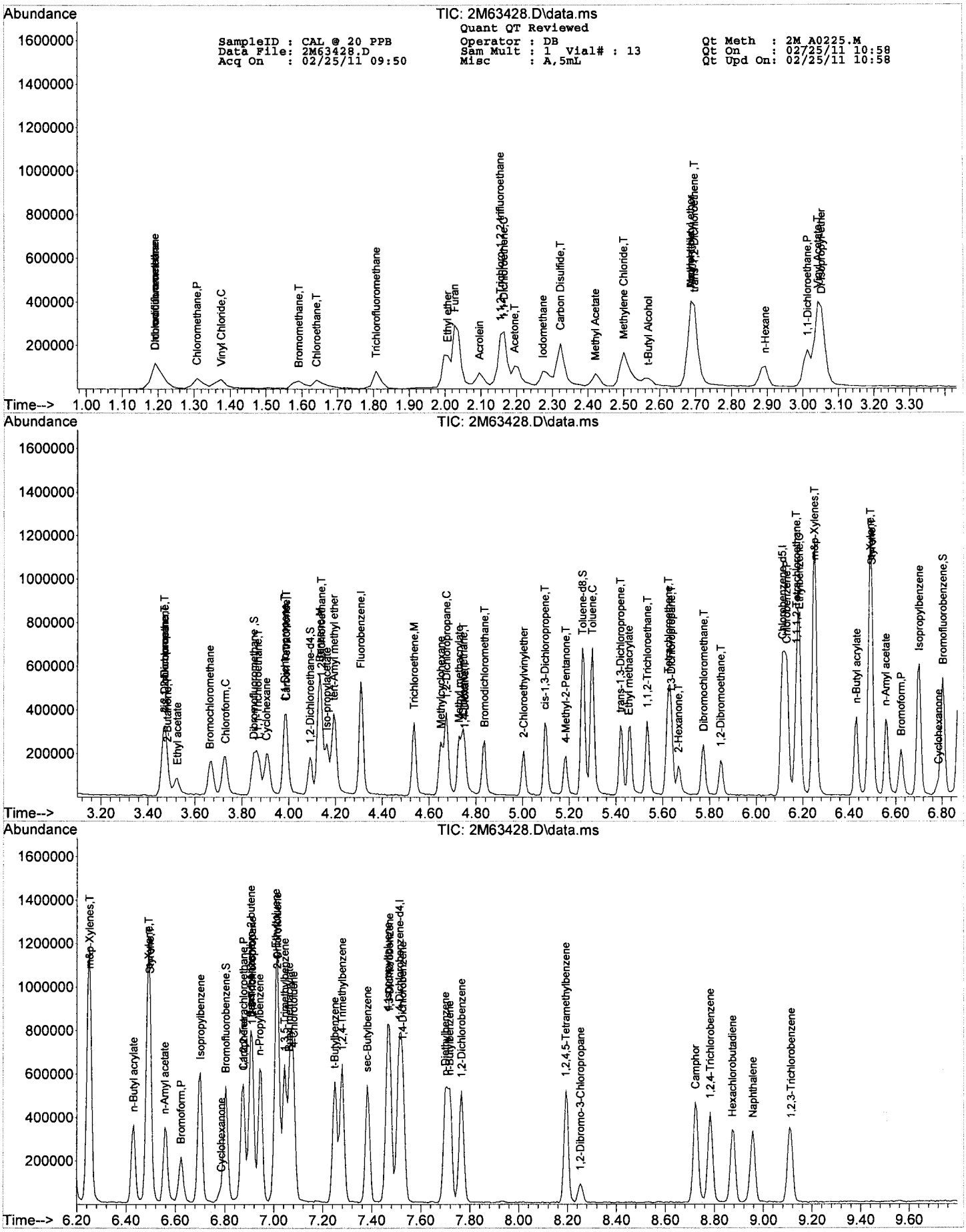
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63428.D Sam Mult : 1 Vial# : 13 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:50 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.130	112	208808	21.25 ug/l	99
70)	n-Butyl acrylate	6.430	55	174528	18.14 ug/l	98
71)	n-Amyl acetate	6.557	43	164435	17.12 ug/l	88
72)	Bromoform	6.623	173	68476	20.80 ug/l	98
73)	Ethylbenzene	6.184	106	84577	17.01 ug/l	77
74)	1,1,2,2-Tetrachloroethane	6.875	83	98565	19.75 ug/l	95
76)	Styrene	6.497	104	228001	19.79 ug/l	85
77)	m&p-Xylenes	6.250	106	242876	34.42 ug/l	80
78)	o-Xylene	6.490	106	127984	18.38 ug/l	65
79)	trans-1,4-Dichloro-2-b...	6.906	53	24771	17.66 ug/l	29
80)	1,3-Dichlorobenzene	7.471	146	168503	19.54 ug/l	87
81)	1,4-Dichlorobenzene	7.525	146	177502	19.89 ug/l	92
82)	1,2-Dichlorobenzene	7.766	146	169332	21.30 ug/l	88
83)	Isopropylbenzene	6.701	105	297112	18.27 ug/l	93
84)	Cyclohexanone	6.785	55	15589	30.84 ug/l	95
85)	Camphene	6.875	93	67042	33.76 ug/l	95
86)	1,2,3-Trichloropropane	6.912	75	118151	19.77 ug/l	85
87)	2-Chlorotoluene	7.014	91	202778	14.74 ug/l	95
88)	p-Ethyltoluene	7.008	105	331903	6.90 ug/l	85
89)	4-Chlorotoluene	7.080	91	193776	18.66 ug/l	91
90)	n-Propylbenzene	6.942	91	363717	17.81 ug/l	94
91)	Bromobenzene	6.906	77	162007	15.30 ug/l	84
92)	1,3,5-Trimethylbenzene	7.044	105	253594	21.51 ug/l	87
93)	Butyl methacrylate	7.062	41	142692	18.74 ug/l	53
94)	t-Butylbenzene	7.248	119	225532	17.88 ug/l	80
95)	1,2,4-Trimethylbenzene	7.278	105	256408	18.42 ug/l	84
96)	sec-Butylbenzene	7.381	105	279489	17.50 ug/l	97
97)	4-Isopropyltoluene	7.465	119	225203	16.98 ug/l	87
98)	n-Butylbenzene	7.718	91	246791	13.59 ug/l	93
99)	p-Diethylbenzene	7.700	119	132883	7.23 ug/l	90
100)	1,2,4,5-Tetramethylben...	8.193	119	216117	7.44 ug/l	86
101)	1,2-Dibromo-3-Chloropr...	8.253	157	21454	22.10 ug/l	53
102)	Camphor	8.722	95	89396	456.82 ug/l	94
103)	Hexachlorobutadiene	8.873	225	69930	24.54 ug/l	95
104)	1,2,4-Trichlorobenzene	8.782	180	117245	23.49 ug/l	95
105)	1,2,3-Trichlorobenzene	9.113	180	108319	25.50 ug/l	95
106)	Naphthalene	8.957	128	220350	23.57 ug/l	100

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


Abundance
TIC: 2M63428.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M63428.D
Acq On : 02/25/11 09:50
Operator : DB
Sam Mult : 1 Vial# : 13
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63428.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Iso-propyl acetate
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Time-->

Abundance
TIC: 2M63428.D\data.ms
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63423.D Sam Mult : 1 Vial# : 8 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:31 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	280920	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	226134	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.507	152	140212	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.844	111	75435	32.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.97%			
38) 1,2-Dichloroethane-d4	4.091	67	44196	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.10%			
65) Toluene-d8	5.258	98	297417	29.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.43%			
75) Bromofluorobenzene	6.804	174	122486	28.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.63%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.198	51	37424	10.33	ug/l	78
6) Dichlorodifluoromethane	1.181	85	16244	7.55	ug/l	78
7) Chloromethane	1.297	50	18417	6.89	ug/l	73
8) Bromomethane	1.580	94	7765	5.74	ug/l	96
9) Vinyl Chloride	1.364	62	14167	6.81	ug/l	97
10) Chloroethane	1.647	64	9048	6.95	ug/l	96
11) Trichlorofluoromethane	1.813	101	10785	4.34	ug/l	91
12) Ethyl ether	1.998	59	13926	4.09	ug/l	92
13) Furan	2.027	39	40611	4.18	ug/l	92
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	7548	4.18	ug/l	92
15) Methylene Chloride	2.500	84	14954	4.44	ug/l	90
16) Acrolein	2.096	56	6685	13.38	ug/l	88
17) Acrylonitrile	2.678	53	6470	4.98	ug/l	95
18) Iodomethane	2.274	142	19901	4.58	ug/l	100
19) Acetone	2.195	43	23574	20.89	ug/l	91
20) Carbon Disulfide	2.323	76	41289	4.19	ug/l	100
21) t-Butyl Alcohol	2.569	59	6168	20.90	ug/l	61
22) n-Hexane	2.885	57	10186	3.45	ug/l	68
23) Di-isopropyl-ether	3.053	45	51911	3.95	ug/l	98
24) 1,1-Dichloroethene	2.165	61	22381	4.65	ug/l	97
25) Methyl Acetate	2.422	43	13160	4.24	ug/l	100
26) Methyl-t-butyl ether	2.688	73	30385	4.08	ug/l	71
27) 1,1-Dichloroethane	3.013	63	26648	4.18	ug/l	82
28) trans-1,2-Dichloroethene	2.698	96	13739	4.93	ug/l	90
29) cis-1,2-Dichloroethene	3.465	61	21195	4.22	ug/l	82
30) Bromochloromethane	3.664	49	15942	4.87	ug/l	68
31) 2,2-Dichloropropane	3.465	77	13364	3.29	ug/l	94
32) Ethyl acetate	3.519	43	14621	3.94	ug/l	93
33) 1,4-Dioxane	4.746	88	7645	230.18	ug/l	94
34) 1,1-Dichloropropene	3.982	75	16627	3.93	ug/l	88
35) Chloroform	3.724	83	20052	3.86	ug/l	83
37) Cyclohexane	3.904	56	16646	3.72	ug/l	93
39) 1,2-Dichloroethane	4.139	62	19515	4.43	ug/l	90
40) 2-Butanone	3.489	43	7880	4.70	ug/l	56
41) 1,1,1-Trichloroethane	3.868	97	17086	4.00	ug/l	97
42) Carbon Tetrachloride	3.982	117	12750	3.97	ug/l	93
43) Vinyl Acetate	3.043	43	40092	3.02	ug/l	100
44) Bromodichloromethane	4.831	83	21105	4.47	ug/l	90
45) Methylcyclohexane	4.644	83	13765	3.37	ug/l	95
46) Dibromomethane	4.746	174	13851	5.37	ug/l	84
47) 1,2-Dichloropropane	4.668	63	18535	4.47	ug/l	100
48) Trichloroethene	4.530	130	15212	4.79	ug/l	94
49) Benzene	4.127	78	54143	4.14	ug/l	100
50) tert-Amyl methyl ether	4.187	73	34837	3.89	ug/l	80
52) Iso-propylacetate	4.163	43	25183m	3.53	ug/l	
53) Methyl methacrylate	4.728	41	14686	3.73	ug/l	91
54) Dibromochloromethane	5.769	129	14785	3.88	ug/l	79
55) 2-Chloroethylvinylether	5.005	63	9442	3.48	ug/l	82
56) cis-1,3-Dichloropropene	5.095	75	21919	3.39	ug/l	94
57) trans-1,3-Dichloropropene	5.420	75	19415	3.43	ug/l	97
58) Ethyl methacrylate	5.456	41	15562	3.45	ug/l	78
59) 1,1,2-Trichloroethane	5.528	97	13643	4.26	ug/l	74
60) 1,2-Dibromoethane	5.847	107	15060	4.28	ug/l	86
61) 1,3-Dichloropropane	5.631	76	26936	4.57	ug/l	98
62) 4-Methyl-2-Pentanone	5.179	43	16523	3.43	ug/l	82
63) 2-Hexanone	5.667	43	11331	3.05	ug/l	93
64) Tetrachloroethene	5.619	164	14380	4.88	ug/l	86
66) Toluene	5.294	92	36745	4.28	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.172	133	14195	4.62	ug/l	83

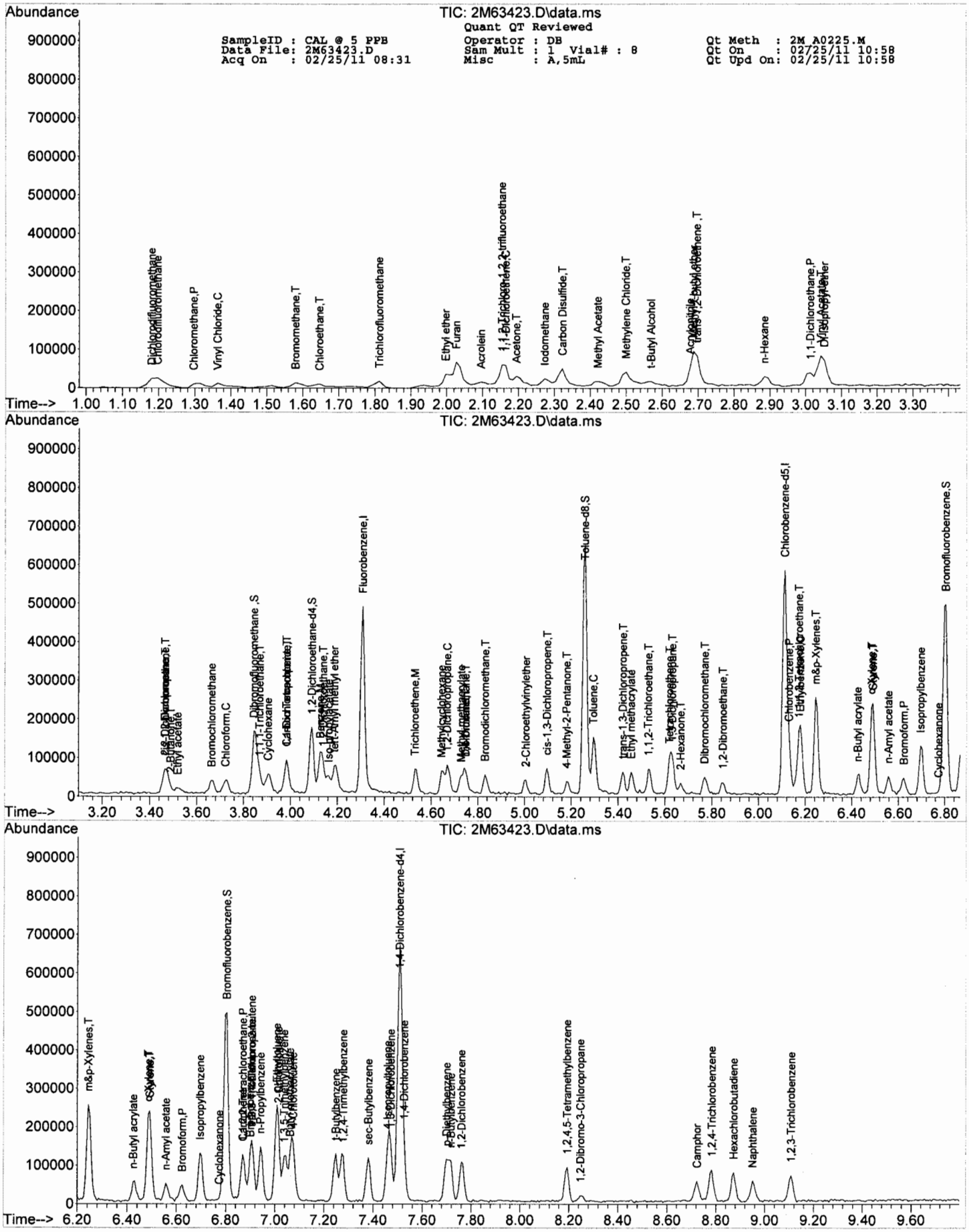
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63423.D Sam Mult : 1 Vial# : 8 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:31 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	Chlorobenzene	6.130	112	42144	4.49	ug/l		89
70)	n-Butyl acrylate	6.425	55	25518	2.65	ug/l		95
71)	n-Amyl acetate	6.557	43	22257	2.32	ug/l		82
72)	Bromoform	6.623	173	13670	4.15	ug/l		74
73)	Ethylbenzene	6.178	106	17248	3.47	ug/l		74
74)	1,1,2,2-Tetrachloroethane	6.870	83	18427	3.69	ug/l		92
76)	Styrene	6.491	104	45642	3.96	ug/l		86
77)	m&p-Xylenes	6.244	106	51954	7.36	ug/l		76
78)	o-Xylene	6.485	106	27139	3.89	ug/l		54
79)	trans-1,4-Dichloro-2-b...	6.906	53	4535	3.23	ug/l		55
80)	1,3-Dichlorobenzene	7.471	146	36909	4.28	ug/l		85
81)	1,4-Dichlorobenzene	7.525	146	39005	4.37	ug/l		91
82)	1,2-Dichlorobenzene	7.760	146	34573	4.35	ug/l		86
83)	Isopropylbenzene	6.695	105	60211	3.70	ug/l		92
84)	Cyclohexanone	6.774	55	3642	7.20	ug/l		86
85)	Camphene	6.870	93	15082	7.59	ug/l		93
86)	1,2,3-Trichloropropane	6.906	75	23422	3.92	ug/l		85
87)	2-Chlorotoluene	7.014	91	42576	3.09	ug/l		93
88)	p-Ethyltoluene	7.008	105	73854	1.53	ug/l		84
89)	4-Chlorotoluene	7.074	91	41416	3.99	ug/l		89
90)	n-Propylbenzene	6.942	91	76984	3.77	ug/l		96
91)	Bromobenzene	6.900	77	30462	2.88	ug/l		77
92)	1,3,5-Trimethylbenzene	7.038	105	48517	4.11	ug/l		73
93)	Butyl methacrylate	7.062	41	20430	2.68	ug/l	#	41
94)	t-Butylbenzene	7.249	119	46208	3.66	ug/l		77
95)	1,2,4-Trimethylbenzene	7.279	105	53639	3.85	ug/l		86
96)	sec-Butylbenzene	7.381	105	57084	3.57	ug/l		95
97)	4-Isopropyltoluene	7.459	119	45977	3.47	ug/l		89
98)	n-Butylbenzene	7.718	91	47918	2.64	ug/l		93
99)	p-Diethylbenzene	7.700	119	25775	1.40	ug/l		88
100)	1,2,4,5-Tetramethylben...	8.193	119	36251	1.25	ug/l		81
101)	1,2-Dibromo-3-Chloropr...	8.247	157	4287	4.41	ug/l		51
102)	Camphor	8.722	95	9876	50.44	ug/l		97
103)	Hexachlorobutadiene	8.873	225	14444	5.06	ug/l		91
104)	1,2,4-Trichlorobenzene	8.783	180	24305	4.87	ug/l		95
105)	1,2,3-Trichlorobenzene	9.107	180	19172	4.51	ug/l		90
106)	Naphthalene	8.951	128	33086	3.54	ug/l		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 2M63423.D
Acq On : 02/25/11 08:31
Operator : DB
Sam Mult : 1 Vial# : 8
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB
Data File: 2M63429.D
Acq On : 02/25/11 10:06

Operator : DB
Sam Mult : 1 Vial# : 14
Misc : A,5mL

Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:59
Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	260578	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.111	117	217825	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	124454	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	63552	29.96	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.87%		
38) 1,2-Dichloroethane-d4	4.090	67	42483	30.50	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.67%		
65) Toluene-d8	5.257	98	281609	28.73	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.77%		
75) Bromofluorobenzene	6.803	174	111392	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.03%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.193	51	67631	20.12	ug/l	85
6) Dichlorodifluoromethane	1.193	85	32838	16.45	ug/l	98
7) Chloromethane	1.309	50	36028	14.53	ug/l	82
8) Bromomethane	1.592	94	16662	13.27	ug/l	86
9) Vinyl Chloride	1.376	62	29425	15.25	ug/l	99
10) Chloroethane	1.642	64	16551	13.71	ug/l	91
11) Trichlorofluoromethane	1.809	101	31320	13.58	ug/l	93
12) Ethyl ether	2.007	59	38624	12.24	ug/l	93
13) Furan	2.036	39	101875	11.31	ug/l	97
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	17824	10.64	ug/l	99
15) Methylene Chloride	2.500	84	38992	12.49	ug/l	93
16) Acrolein	2.095	56	20726	44.70	ug/l	94
17) Acrylonitrile	2.677	53	12195	10.12	ug/l	93
18) Iodomethane	2.283	142	59693	14.81	ug/l	91
19) Acetone	2.204	43	60655	57.94	ug/l	88
20) Carbon Disulfide	2.322	76	103230	11.30	ug/l	100
21) t-Butyl Alcohol	2.569	59	15219	55.59	ug/l	66
22) n-Hexane	2.894	57	21515	7.85	ug/l	76
23) Di-isopropyl-ether	3.052	45	142196	11.66	ug/l	98
24) 1,1-Dichloroethene	2.164	61	55268	12.38	ug/l	90
25) Methyl Acetate	2.421	43	35689	12.40	ug/l	100
26) Methyl-t-butyl ether	2.687	73	80099	11.60	ug/l	69
27) 1,1-Dichloroethane	3.012	63	72984	12.34	ug/l	96
28) trans-1,2-Dichloroethene	2.697	96	31316	12.11	ug/l	96
29) cis-1,2-Dichloroethene	3.465	61	56011	12.04	ug/l	91
30) Bromochloromethane	3.669	49	37161	12.25	ug/l	68
31) 2,2-Dichloropropane	3.471	77	29075	7.72	ug/l	88
32) Ethyl acetate	3.519	43	40941	11.90	ug/l	100
33) 1,4-Dioxane	4.752	88	19859	644.61	ug/l	60
34) 1,1-Dichloropropene	3.988	75	47150	12.01	ug/l	96
35) Chloroform	3.723	83	54521	11.30	ug/l	82
37) Cyclohexane	3.910	56	36973	8.91	ug/l	90
39) 1,2-Dichloroethane	4.138	62	49224	12.05	ug/l	98
40) 2-Butanone	3.483	43	17435	11.21	ug/l	86
41) 1,1,1-Trichloroethane	3.868	97	39295	9.92	ug/l	93
42) Carbon Tetrachloride	3.988	117	32175	10.79	ug/l	98
43) Vinyl Acetate	3.042	43	119137	9.68	ug/l	100
44) Bromodichloromethane	4.836	83	50925	11.62	ug/l	91
45) Methylcyclohexane	4.650	83	30358	8.02	ug/l	92
46) Dibromomethane	4.746	174	31340	13.10	ug/l	88
47) 1,2-Dichloropropane	4.674	63	45141	11.74	ug/l	99
48) Trichloroethene	4.535	130	36950	12.55	ug/l	95
49) Benzene	4.132	78	135821	11.20	ug/l	100
50) tert-Amyl methyl ether	4.192	73	93586	11.26	ug/l	73
52) Iso-propylacetate	4.162	43	76654	11.16	ug/l	69
53) Methyl methacrylate	4.728	41	46643	12.30	ug/l	93
54) Dibromochloromethane	5.775	129	41328	11.25	ug/l	99
55) 2-Chloroethylvinylether	5.005	63	26918	10.30	ug/l	87
56) cis-1,3-Dichloropropene	5.095	75	64489	10.36	ug/l	87
57) trans-1,3-Dichloropropene	5.420	75	56120	10.30	ug/l	97
58) Ethyl methacrylate	5.462	41	46540	10.70	ug/l	81
59) 1,1,2-Trichloroethane	5.534	97	36372	11.78	ug/l	87
60) 1,2-Dibromoethane	5.847	107	41444	12.24	ug/l	100
61) 1,3-Dichloropropane	5.636	76	67522	11.90	ug/l	95
62) 4-Methyl-2-Pentanone	5.185	43	52179	11.24	ug/l	97
63) 2-Hexanone	5.666	43	36158	10.10	ug/l	89
64) Tetrachloroethene	5.624	164	32033	11.28	ug/l	94
66) Toluene	5.299	92	92723	11.21	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.172	133	35269	11.93	ug/l	71

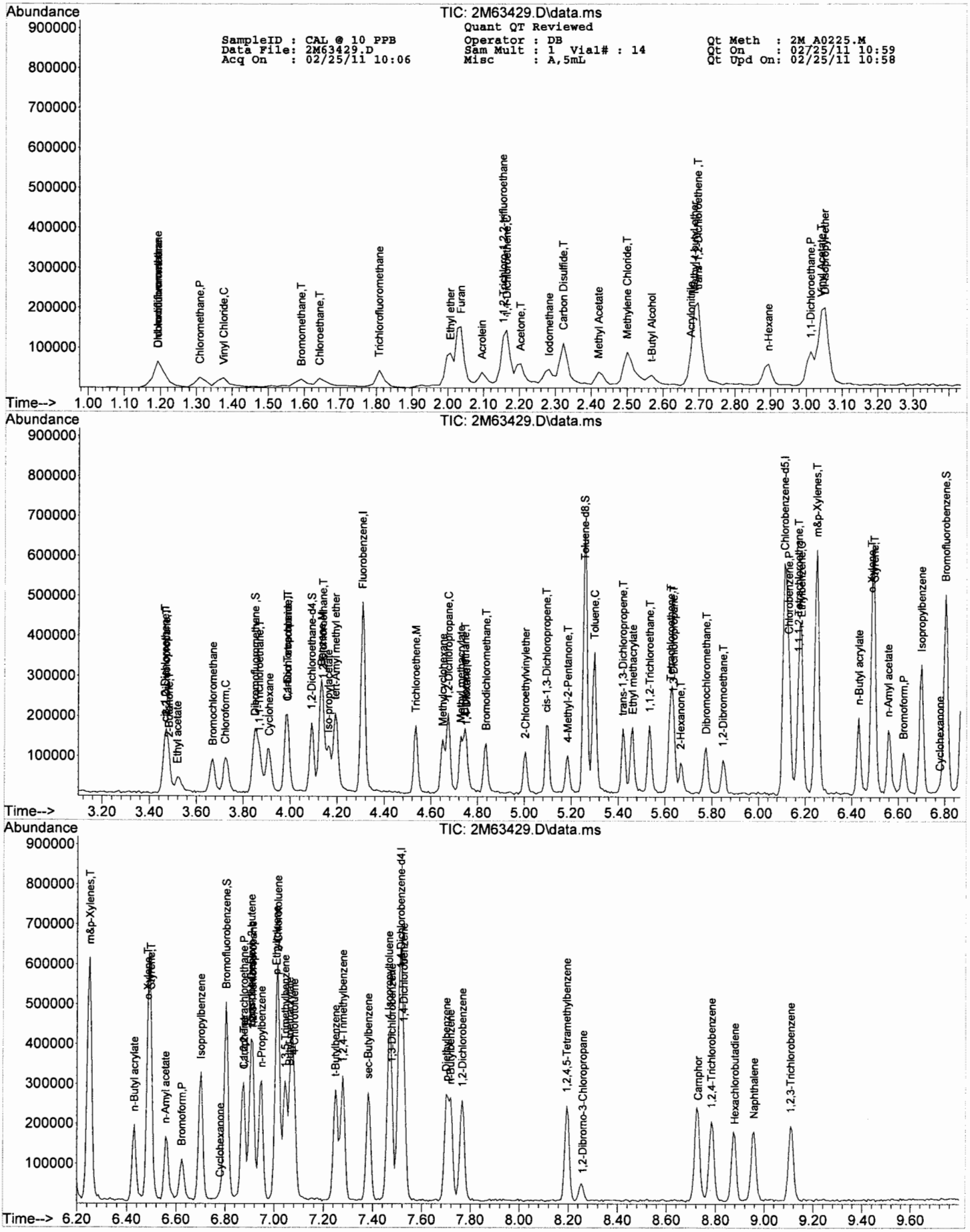
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63429.D Sam Mult : 1 Vial# : 14 Qt On : 02/25/11 10:59
Acq On : 02/25/11 10:06 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.129	112	106918	11.82 ug/l	97
70) n-Butyl acrylate	6.430	55	87733	10.27 ug/l	95
71) n-Amyl acetate	6.557	43	76241	8.94 ug/l	85
72) Bromoform	6.623	173	35070	12.00 ug/l	98
73) Ethylbenzene	6.184	106	46408	10.51 ug/l	64
74) 1,1,2,2-Tetrachloroethane	6.875	83	50705	11.44 ug/l	95
76) Styrene	6.496	104	114213	11.16 ug/l	85
77) m&p-Xylenes	6.250	106	125685	20.05 ug/l	84
78) o-Xylene	6.484	106	65216	10.54 ug/l	64
79) trans-1,4-Dichloro-2-b...	6.905	53	11857	9.52 ug/l	19
80) 1,3-Dichlorobenzene	7.477	146	87671	11.45 ug/l	86
81) 1,4-Dichlorobenzene	7.525	146	87079	10.98 ug/l	93
82) 1,2-Dichlorobenzene	7.766	146	86774	12.29 ug/l	86
83) Isopropylbenzene	6.701	105	148945	10.31 ug/l	92
84) Cyclohexanone	6.779	55	8842	19.69 ug/l	89
85) Camphene	6.875	93	35591	20.18 ug/l	91
86) 1,2,3-Trichloropropane	6.911	75	59791	11.27 ug/l	88
87) 2-Chlorotoluene	7.014	91	105601	8.64 ug/l	93
88) p-Ethyltoluene	7.008	105	160804	3.76 ug/l	84
89) 4-Chlorotoluene	7.080	91	95424	10.35 ug/l	91
90) n-Propylbenzene	6.948	91	176033	9.71 ug/l	94
91) Bromobenzene	6.905	77	96417	10.25 ug/l	86
92) 1,3,5-Trimethylbenzene	7.044	105	121780	11.63 ug/l	87
93) Butyl methacrylate	7.062	41	69513	10.28 ug/l	54
94) t-Butylbenzene	7.248	119	115754	10.33 ug/l	79
95) 1,2,4-Trimethylbenzene	7.278	105	131264	10.62 ug/l	88
96) sec-Butylbenzene	7.381	105	140237	9.88 ug/l	98
97) 4-Isopropyltoluene	7.465	119	114731	9.74 ug/l	86
98) n-Butylbenzene	7.718	91	119537	7.41 ug/l	92
99) p-Diethylbenzene	7.699	119	64489	3.95 ug/l	89
100) 1,2,4,5-Tetramethylben...	8.193	119	102090	3.96 ug/l	89
101) 1,2-Dibromo-3-Chloropr...	8.259	157	11188	12.97 ug/l	55
102) Camphor	8.728	95	46578	267.98 ug/l	100
103) Hexachlorobutadiene	8.878	225	34218	13.52 ug/l	95
104) 1,2,4-Trichlorobenzene	8.782	180	57987	13.08 ug/l	94
105) 1,2,3-Trichlorobenzene	9.107	180	53714	14.24 ug/l	90
106) Naphthalene	8.957	128	114697	13.81 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 2M63429.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 2M63429.D
Acq On : 02/25/11 10:06
Operator : DB
Sam Mult : 1 Vial# : 14
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:59
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63429.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Iso-propylacetate
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
Time-->

Abundance
TIC: 2M63429.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63427.D Sam Mult : 1 Vial# : 12 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:34 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	293711	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	239585	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.508	152	134110	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	74073	30.98	ug/l	0.00
Spiked Amount 30.000			Recovery =	103.27%		
38) 1,2-Dichloroethane-d4	4.091	67	47823	30.46	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.53%		
65) Toluene-d8	5.258	98	314453	29.16	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.20%		
75) Bromofluorobenzene	6.804	174	123254	30.50	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.67%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.194	51	295393	77.95	ug/l	92
6) Dichlorodifluoromethane	1.194	85	158619	70.52	ug/l	92
7) Chloromethane	1.310	50	170462	61.00	ug/l	85
8) Bromomethane	1.576	94	83203	58.79	ug/l	90
9) Vinyl Chloride	1.377	62	132467	60.89	ug/l	91
10) Chloroethane	1.643	64	74771	54.93	ug/l	93
11) Trichlorofluoromethane	1.809	101	140718	54.14	ug/l	89
12) Ethyl ether	1.997	59	175353	49.29	ug/l	90
13) Furan	2.027	39	472796	46.58	ug/l	93
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	89260	47.26	ug/l	94
15) Methylene Chloride	2.500	84	175866	49.99	ug/l	89
16) Acrolein	2.096	56	127449	243.89	ug/l	100
17) Acrylonitrile	2.678	53	66807	49.18	ug/l	92
18) Iodomethane	2.273	142	265570	58.46	ug/l	95
19) Acetone	2.195	43	262532	222.48	ug/l	87
20) Carbon Disulfide	2.323	76	482158	46.84	ug/l	100
21) t-Butyl Alcohol	2.569	59	72569	235.18	ug/l	70
22) n-Hexane	2.885	57	111382	36.06	ug/l	71
23) Di-isopropyl-ether	3.052	45	694429	50.52	ug/l	98
24) 1,1-Dichloroethene	2.155	61	258440	51.38	ug/l	99
25) Methyl Acetate	2.421	43	155446	47.93	ug/l	100
26) Methyl-t-butyl ether	2.688	73	386287	49.64	ug/l	64
27) 1,1-Dichloroethane	3.013	63	342898	51.43	ug/l	99
28) trans-1,2-Dichloroethene	2.697	96	154659	53.05	ug/l	92
29) cis-1,2-Dichloroethene	3.471	61	261068	49.77	ug/l	87
30) Bromochloromethane	3.664	49	173900	50.85	ug/l	70
31) 2,2-Dichloropropane	3.471	77	150016	35.33	ug/l	93
32) Ethyl acetate	3.519	43	200531	51.72	ug/l	95
33) 1,4-Dioxane	4.752	88	92571	2665.84	ug/l	78
34) 1,1-Dichloropropene	3.982	75	214110	48.40	ug/l	99
35) Chloroform	3.724	83	264473	48.63	ug/l	87
37) Cyclohexane	3.904	56	206344	44.10	ug/l	84
39) 1,2-Dichloroethane	4.139	62	226133	49.11	ug/l	99
40) 2-Butanone	3.477	43	76555	43.68	ug/l	96
41) 1,1,1-Trichloroethane	3.868	97	192112	43.02	ug/l	95
42) Carbon Tetrachloride	3.989	117	161445	48.04	ug/l	86
43) Vinyl Acetate	3.043	43	699592	50.42	ug/l	100
44) Bromodichloromethane	4.831	83	248188	50.22	ug/l	89
45) Methylcyclohexane	4.650	83	154144	36.14	ug/l	98
46) Dibromomethane	4.746	174	145013	53.77	ug/l	93
47) 1,2-Dichloropropane	4.674	63	219771	50.72	ug/l	99
48) Trichloroethene	4.536	130	167597	50.48	ug/l	95
49) Benzene	4.127	78	655122	47.93	ug/l	100
50) tert-Amyl methyl ether	4.193	73	457737	48.85	ug/l	70
52) Iso-propylacetate	4.163	43	391881	51.86	ug/l	72
53) Methyl methacrylate	4.728	41	216439	51.88	ug/l	96
54) Dibromochloromethane	5.775	129	206814	51.17	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	131249	45.65	ug/l	80
56) cis-1,3-Dichloropropene	5.095	75	312968	45.71	ug/l	93
57) trans-1,3-Dichloropropene	5.420	75	275202	45.94	ug/l	98
58) Ethyl methacrylate	5.456	41	244135	51.04	ug/l	81
59) 1,1,2-Trichloroethane	5.534	97	169440	49.88	ug/l	85
60) 1,2-Dibromoethane	5.847	107	190154	51.06	ug/l	93
61) 1,3-Dichloropropane	5.637	76	315833	50.63	ug/l	95
62) 4-Methyl-2-Pentanone	5.180	43	243500	47.68	ug/l	98
63) 2-Hexanone	5.667	43	173521	44.06	ug/l	86
64) Tetrachloroethene	5.619	164	143513	45.95	ug/l	95
66) Toluene	5.300	92	430043	47.28	ug/l	98
67) 1,1,1,2-Tetrachloroethane	6.172	133	159658	49.09	ug/l	68

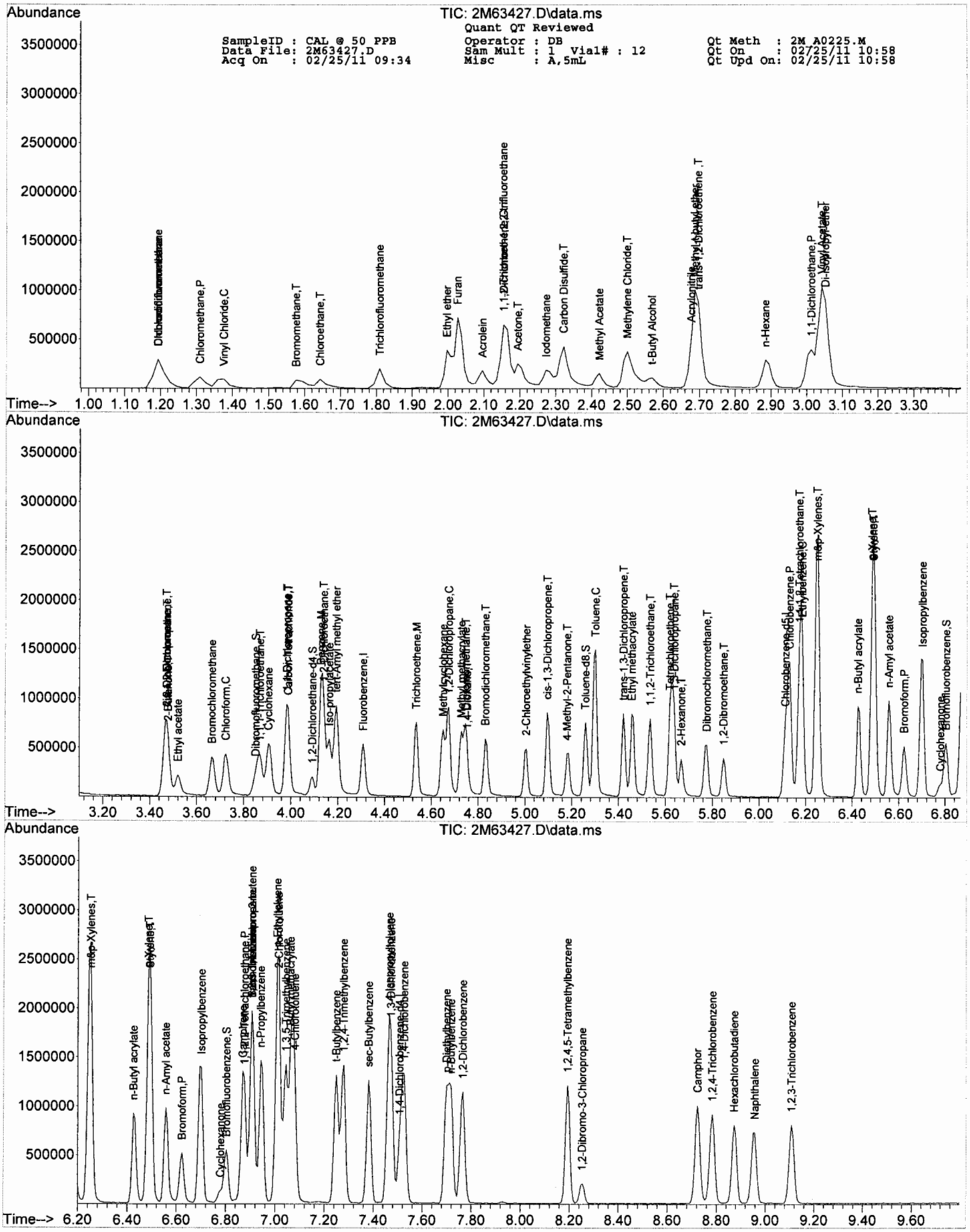
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63427.D Sam Mult : 1 Vial# : 12 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:34 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.130	112	487566	49.02	ug/l	96
70)	n-Butyl acrylate	6.425	55	458769	49.81	ug/l	98
71)	n-Amyl acetate	6.557	43	450400	48.99	ug/l	90
72)	Bromoform	6.623	173	163804	52.00	ug/l	99
73)	Ethylbenzene	6.184	106	185152	38.91	ug/l	81
74)	1,1,2,2-Tetrachloroethane	6.876	83	229734	48.09	ug/l	95
76)	Styrene	6.491	104	523164	47.45	ug/l	90
77)	m&p-Xylenes	6.250	106	557351	82.52	ug/l	83
78)	o-Xylene	6.485	106	290286	43.55	ug/l	69
79)	trans-1,4-Dichloro-2-b...	6.906	53	59926	44.64	ug/l	21
80)	1,3-Dichlorobenzene	7.471	146	385218	46.68	ug/l	87
81)	1,4-Dichlorobenzene	7.526	146	396711	46.44	ug/l	93
82)	1,2-Dichlorobenzene	7.766	146	390625	51.35	ug/l	87
83)	Isopropylbenzene	6.701	105	704924	45.29	ug/l	92
84)	Cyclohexanone	6.780	55	39045	80.71	ug/l	98
85)	Camphene	6.870	93	178765	94.05	ug/l	95
86)	1,2,3-Trichloropropane	6.906	75	284197	49.69	ug/l	85
87)	2-Chlorotoluene	7.014	91	460322	34.95	ug/l	96
88)	p-Ethyltoluene	7.008	105	752106	16.33	ug/l	85
89)	4-Chlorotoluene	7.080	91	426256	42.90	ug/l	91
90)	n-Propylbenzene	6.942	91	855921	43.80	ug/l	95
91)	Bromobenzene	6.906	77	438555	43.28	ug/l	87
92)	1,3,5-Trimethylbenzene	7.044	105	570971	50.59	ug/l	87
93)	Butyl methacrylate	7.062	41	350940	48.16	ug/l	51
94)	t-Butylbenzene	7.249	119	542697	44.95	ug/l	77
95)	1,2,4-Trimethylbenzene	7.279	105	610924	45.87	ug/l	85
96)	sec-Butylbenzene	7.381	105	667039	43.63	ug/l	96
97)	4-Isopropyltoluene	7.465	119	511379	40.29	ug/l	87
98)	n-Butylbenzene	7.718	91	579153	33.32	ug/l	92
99)	p-Diethylbenzene	7.700	119	308541	17.54	ug/l	90
100)	1,2,4,5-Tetramethylben...	8.193	119	504864	18.16	ug/l	87
101)	1,2-Dibromo-3-Chloropr...	8.253	157	51223	55.12	ug/l	56
102)	Camphor	8.723	95	193014	1030.54	ug/l	94
103)	Hexachlorobutadiene	8.873	225	162393	59.53	ug/l	95
104)	1,2,4-Trichlorobenzene	8.783	180	267667	56.04	ug/l	96
105)	1,2,3-Trichlorobenzene	9.108	180	245065	60.29	ug/l	95
106)	Naphthalene	8.957	128	508488	56.82	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 2M63427.D
Acq On : 02/25/11 09:34
Operator : DB
Sam Mult : 1 Vial# : 12
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63427.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Iso-propylacetate
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,S
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
Time-->

Abundance
TIC: 2M63427.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63426.D Sam Mult : 1 Vial# : 11 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:18 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	294384	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.111	117	234082	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.507	152	131688	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.850	111	71258	29.74	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.13%		
38) 1,2-Dichloroethane-d4	4.090	67	48003	30.51	ug/l	0.00
Spiked Amount 30.000			Recovery =	101.70%		
65) Toluene-d8	5.257	98	311368	29.56	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.53%		
75) Bromofluorobenzene	6.803	174	124065	31.27	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.23%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.196	51	553460	145.72	ug/l	97
6) Dichlorodifluoromethane	1.180	85	344235	152.69	ug/l	89
7) Chloromethane	1.313	50	334250	119.34	ug/l	84
8) Bromomethane	1.579	94	152102	107.23	ug/l	85
9) Vinyl Chloride	1.363	62	270298	123.97	ug/l	97
10) Chloroethane	1.646	64	139215	102.04	ug/l	89
11) Trichlorofluoromethane	1.812	101	282233	108.35	ug/l	89
12) Ethyl ether	1.997	59	328814	92.21	ug/l	92
13) Furan	2.026	39	919002	90.34	ug/l	95
14) 1,1,2-Trichloro-1,2,2-...	2.155	101	183328	96.84	ug/l	96
15) Methylene Chloride	2.500	84	345368	97.94	ug/l	87
16) Acrolein	2.095	56	245732	469.16	ug/l	97
17) Acrylonitrile	2.677	53	126315	92.77	ug/l	99
18) Iodomethane	2.273	142	489863	107.59	ug/l	95
19) Acetone	2.194	43	496087	419.45	ug/l	91
20) Carbon Disulfide	2.322	76	965486	93.58	ug/l	100
21) t-Butyl Alcohol	2.569	59	141038	456.03	ug/l	78
22) n-Hexane	2.884	57	251433	81.22	ug/l	72
23) Di-isopropyl-ether	3.052	45	1301457	94.46	ug/l	98
24) 1,1-Dichloroethene	2.155	61	490189	97.23	ug/l	97
25) Methyl Acetate	2.421	43	288672	88.81	ug/l	100
26) Methyl-t-butyl ether	2.687	73	735485	94.29	ug/l	65
27) 1,1-Dichloroethane	3.012	63	658065	98.48	ug/l	96
28) trans-1,2-Dichloroethene	2.697	96	293247	100.36	ug/l	95
29) cis-1,2-Dichloroethene	3.465	61	492381	93.65	ug/l	85
30) Bromochloromethane	3.663	49	343741	100.28	ug/l	70
31) 2,2-Dichloropropane	3.471	77	300871	70.69	ug/l	93
32) Ethyl acetate	3.519	43	383432	98.66	ug/l	98
33) 1,4-Dioxane	4.752	88	168893	4852.62	ug/l	82
34) 1,1-Dichloropropene	3.982	75	411043	92.71	ug/l	96
35) Chloroform	3.723	83	514948	94.47	ug/l	90
37) Cyclohexane	3.904	56	443673	94.60	ug/l	85
39) 1,2-Dichloroethane	4.138	62	427770	92.68	ug/l	96
40) 2-Butanone	3.483	43	149909	85.34	ug/l	99
41) 1,1,1-Trichloroethane	3.868	97	395675	88.40	ug/l	98
42) Carbon Tetrachloride	3.982	117	326088	96.80	ug/l	90
43) Vinyl Acetate	3.042	43	1383685	99.49	ug/l	100
44) Bromodichloromethane	4.830	83	480738	97.06	ug/l	94
45) Methylcyclohexane	4.650	83	354960	83.03	ug/l	97
46) Dibromomethane	4.746	174	267084	98.80	ug/l	96
47) 1,2-Dichloropropane	4.674	63	424403	97.72	ug/l	93
48) Trichloroethene	4.535	130	330724	99.39	ug/l	93
49) Benzene	4.126	78	1221279	89.15	ug/l	100
50) tert-Amyl methyl ether	4.193	73	858525	91.40	ug/l	70
52) Iso-propylacetate	4.162	43	758479	102.73	ug/l	86
53) Methyl methacrylate	4.728	41	421074	103.30	ug/l	97
54) Dibromochloromethane	5.775	129	396700	100.46	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	269925	96.08	ug/l	79
56) cis-1,3-Dichloropropene	5.095	75	604607	90.38	ug/l	91
57) trans-1,3-Dichloropropene	5.420	75	545581	93.22	ug/l	100
58) Ethyl methacrylate	5.456	41	473811	101.38	ug/l	80
59) 1,1,2-Trichloroethane	5.534	97	323355	97.43	ug/l	85
60) 1,2-Dibromoethane	5.847	107	376089	103.37	ug/l	92
61) 1,3-Dichloropropane	5.636	76	585846	96.12	ug/l	100
62) 4-Methyl-2-Pentanone	5.179	43	469424	94.07	ug/l	97
63) 2-Hexanone	5.666	43	325176	84.50	ug/l	86
64) Tetrachloroethene	5.624	164	281175	92.14	ug/l	95
66) Toluene	5.299	92	816001	91.83	ug/l	99
67) 1,1,1,2-Tetrachloroethane	6.172	133	291510	91.73	ug/l	62

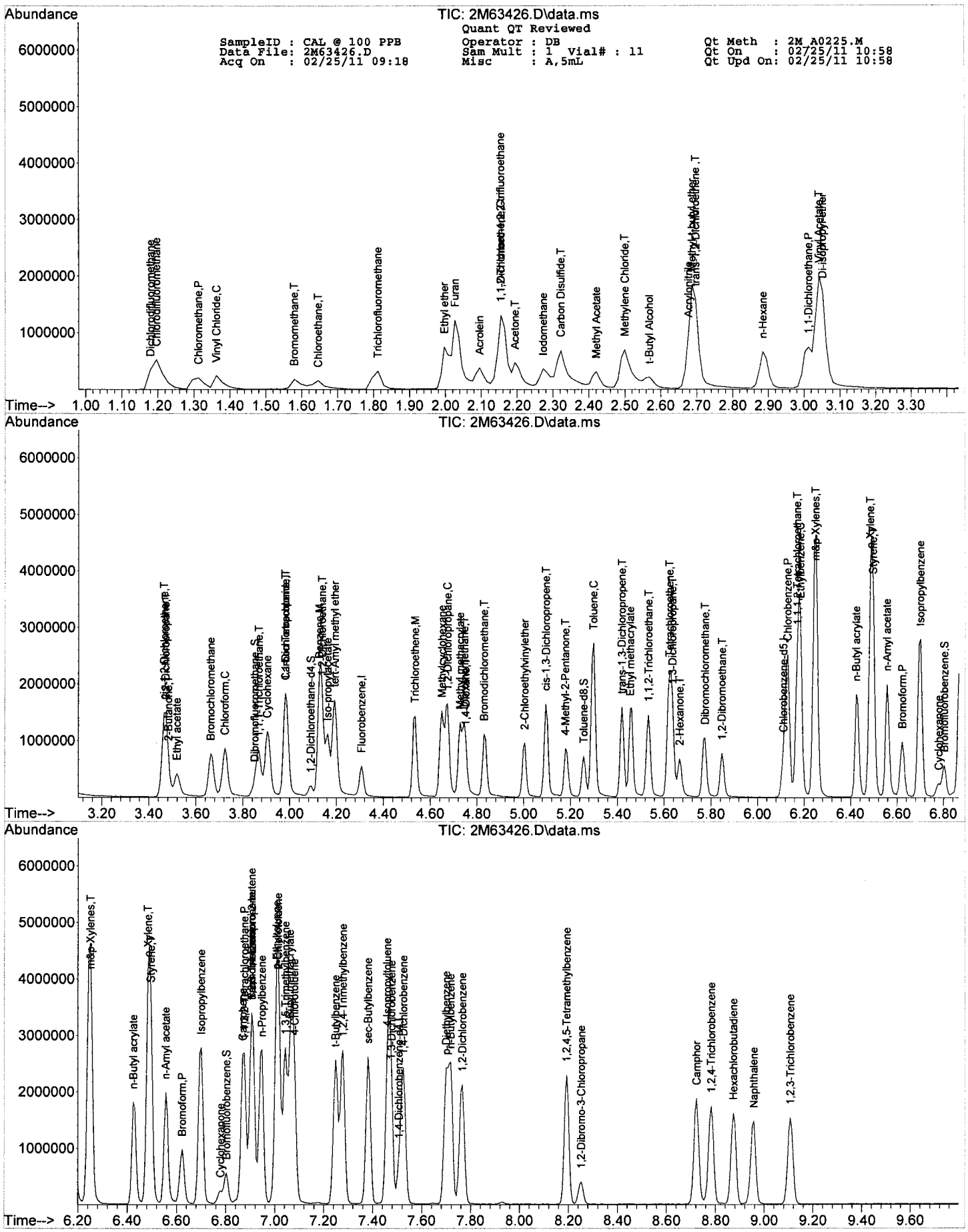
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63426.D Sam Mult : 1 Vial# : 11 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:18 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.130	112	938909	96.62 ug/l	96
70)	n-Butyl acrylate	6.424	55	906112	100.20 ug/l	98
71)	n-Amyl acetate	6.557	43	882076	97.71 ug/l	91
72)	Bromoform	6.623	173	318300	102.90 ug/l	88
73)	Ethylbenzene	6.184	106	356096	76.20 ug/l	79
74)	1,1,2,2-Tetrachloroethane	6.875	83	429179	91.49 ug/l	90
76)	Styrene	6.496	104	943526	87.15 ug/l	85
77)	m&p-Xylenes	6.250	106	1019596	153.73 ug/l	81
78)	o-Xylene	6.484	106	529212	80.86 ug/l	71
79)	trans-1,4-Dichloro-2-b...	6.905	53	108277	82.14 ug/l	21
80)	1,3-Dichlorobenzene	7.477	146	698416	86.20 ug/l	87
81)	1,4-Dichlorobenzene	7.525	146	763735	91.04 ug/l	92
82)	1,2-Dichlorobenzene	7.766	146	735366	98.44 ug/l	88
83)	Isopropylbenzene	6.701	105	1408092	92.13 ug/l	93
84)	Cyclohexanone	6.779	55	80270	168.97 ug/l	94
85)	Camphene	6.869	93	393337	210.75 ug/l	93
86)	1,2,3-Trichloropropane	6.905	75	521185	92.80 ug/l	84
87)	2-Chlorotoluene	7.014	91	774825	59.91 ug/l	96
88)	p-Ethyltoluene	7.008	105	1409532	31.16 ug/l	83
89)	4-Chlorotoluene	7.080	91	796156	81.60 ug/l	90
90)	n-Propylbenzene	6.948	91	1695099	88.33 ug/l	94
91)	Bromobenzene	6.905	77	813858	81.80 ug/l	90
92)	1,3,5-Trimethylbenzene	7.044	105	1113569	100.48 ug/l	85
93)	Butyl methacrylate	7.062	41	680265	95.07 ug/l	54
94)	t-Butylbenzene	7.248	119	1089847	91.93 ug/l	78
95)	1,2,4-Trimethylbenzene	7.278	105	1195854	91.43 ug/l	86
96)	sec-Butylbenzene	7.381	105	1382585	92.09 ug/l	98
97)	4-Isopropyltoluene	7.459	119	1021435	81.96 ug/l	88
98)	n-Butylbenzene	7.718	91	1190522	69.75 ug/l	93
99)	p-Diethylbenzene	7.699	119	617222	35.74 ug/l	91
100)	1,2,4,5-Tetramethylben...	8.193	119	1000609	36.65 ug/l	88
101)	1,2-Dibromo-3-Chloropr...	8.253	157	98319	107.75 ug/l	57
102)	Camphor	8.722	95	368776	2005.18 ug/l	92
103)	Hexachlorobutadiene	8.873	225	333745	124.60 ug/l	95
104)	1,2,4-Trichlorobenzene	8.782	180	511670	109.09 ug/l	96
105)	1,2,3-Trichlorobenzene	9.107	180	475953	119.25 ug/l	96
106)	Naphthalene	8.957	128	1004406	114.30 ug/l	100

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


Abundance
TIC: 2M63426.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 2M63426.D
Acq On : 02/25/11 09:18
Operator : DB
Sam Mult : 1 Vial# : 11
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63426.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
Styrene,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromochlorobenzene,S
Time-->

Abundance
TIC: 2M63426.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
Styrene,T
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromochlorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,S
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63425.D Sam Mult : 1 Vial# : 10 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:02 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.308	96	282226	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.113	117	210058	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.508	152	117095	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.845	111	68345	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.17%			
38) 1,2-Dichloroethane-d4	4.091	67	45857	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
65) Toluene-d8	5.258	98	292085	30.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.00%			
75) Bromofluorobenzene	6.804	174	117372	33.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.191	51	1404513	385.73	ug/l	94
6) Dichlorodifluoromethane	1.191	85	778164	360.02	ug/l	88
7) Chloromethane	1.307	50	848626	316.04	ug/l	81
8) Bromomethane	1.574	94	266616	196.06	ug/l	84
9) Vinyl Chloride	1.374	62	623282	298.17	ug/l	95
10) Chloroethane	1.640	64	330144	252.41	ug/l	93
11) Trichlorofluoromethane	1.807	101	687966	275.48	ug/l	89
12) Ethyl ether	1.997	59	728612	213.12	ug/l	90
13) Furan	2.026	39	2190383	224.59	ug/l	97
14) 1,1,2-Trichloro-1,2,2-...	2.145	101	427049	235.29	ug/l	94
15) Methylene Chloride	2.500	84	826778	244.55	ug/l	91
16) Acrolein	2.095	56	579992	1155.05	ug/l	100
17) Acrylonitrile	2.677	53	293454	224.80	ug/l	92
18) Iodomethane	2.273	142	1097487	251.43	ug/l	90
19) Acetone	2.194	43	1176335	1037.45	ug/l	90
20) Carbon Disulfide	2.322	76	2366867	239.30	ug/l	100
21) t-Butyl Alcohol	2.569	59	312188	1052.91	ug/l	80
22) n-Hexane	2.884	57	626039	210.95	ug/l	71
23) Di-isopropyl-ether	3.052	45	2989512	226.33	ug/l	98
24) 1,1-Dichloroethene	2.155	61	1166495	241.34	ug/l	98
25) Methyl Acetate	2.421	43	716275	229.86	ug/l	100
26) Methyl-t-butyl ether	2.687	73	1609582	215.24	ug/l	66
27) 1,1-Dichloroethane	3.002	63	1549074	241.82	ug/l	99
28) trans-1,2-Dichloroethene	2.687	96	648776	231.61	ug/l	94
29) cis-1,2-Dichloroethene	3.466	61	1102731	218.78	ug/l	85
30) Bromochloromethane	3.664	49	753543	229.29	ug/l	69
31) 2,2-Dichloropropane	3.466	77	710325	174.08	ug/l	91
32) Ethyl acetate	3.520	43	910425	244.35	ug/l	100
33) 1,4-Dioxane	4.753	88	370006	11088.95	ug/l	77
34) 1,1-Dichloropropene	3.983	75	898261	211.33	ug/l	98
35) Chloroform	3.725	83	1206250	230.84	ug/l	90
37) Cyclohexane	3.905	56	1052576	234.09	ug/l	83
39) 1,2-Dichloroethane	4.140	62	963281	217.70	ug/l	97
40) 2-Butanone	3.478	43	355224	210.93	ug/l	96
41) 1,1,1-Trichloroethane	3.863	97	941892	219.50	ug/l	95
42) Carbon Tetrachloride	3.983	117	734191	227.34	ug/l	94
43) Vinyl Acetate	3.042	43	3155881	236.69	ug/l	100
44) Bromodichloromethane	4.831	83	1122024	236.30	ug/l	96
45) Methylcyclohexane	4.651	83	819544	199.97	ug/l	97
46) Dibromomethane	4.747	174	559037	215.70	ug/l	95
47) 1,2-Dichloropropane	4.675	63	911374	218.89	ug/l	92
48) Trichloroethene	4.537	130	722919	226.62	ug/l	94
49) Benzene	4.128	78	2626542	199.98	ug/l	100
50) tert-Amyl methyl ether	4.194	73	1915019	212.67	ug/l	71
52) Iso-propylacetate	4.164	43	1782362	269.00	ug/l	75
53) Methyl methacrylate	4.723	41	956980	261.61	ug/l	96
54) Dibromochloromethane	5.770	129	904921	255.37	ug/l	97
55) 2-Chloroethylvinylether	5.000	63	607295	240.90	ug/l	78
56) cis-1,3-Dichloropropene	5.096	75	1373263	228.76	ug/l	90
57) trans-1,3-Dichloropropene	5.421	75	1233792	234.92	ug/l	98
58) Ethyl methacrylate	5.457	41	1068802	254.85	ug/l	83
59) 1,1,2-Trichloroethane	5.535	97	709399	238.20	ug/l	87
60) 1,2-Dibromoethane	5.848	107	822545	251.93	ug/l	86
61) 1,3-Dichloropropane	5.637	76	1224483	223.87	ug/l	99
62) 4-Methyl-2-Pentanone	5.180	43	1077880	240.71	ug/l	93
63) 2-Hexanone	5.668	43	785431	227.45	ug/l	91
64) Tetrachloroethene	5.619	164	564075	205.98	ug/l	98
66) Toluene	5.301	92	1705654	213.90	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.173	133	605012	212.16	ug/l	66

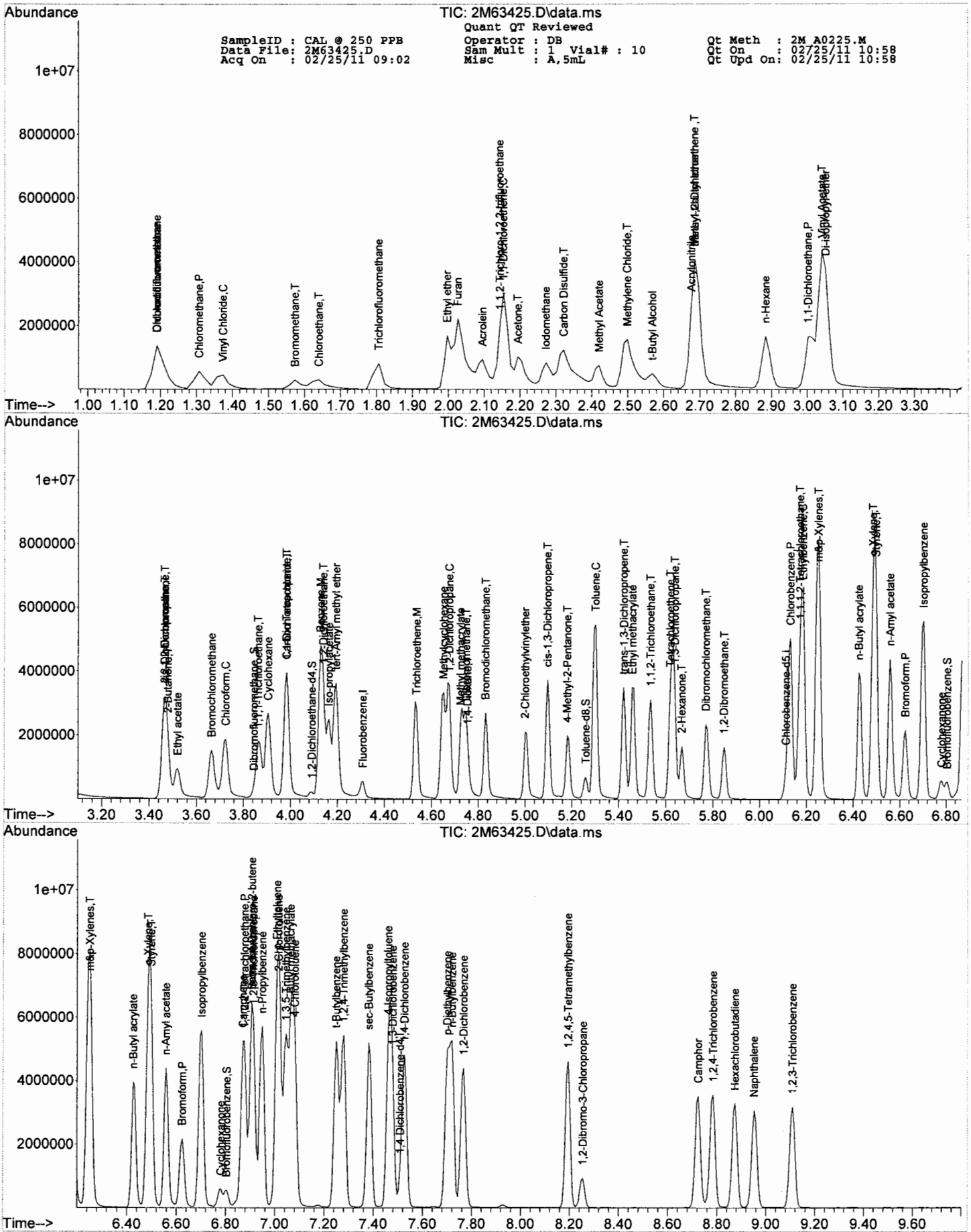
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63425.D Sam Mult : 1 Vial# : 10 Qt On : 02/25/11 10:58
Acq On : 02/25/11 09:02 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.131	112	1959796	224.73	ug/l	97
70)	n-Butyl acrylate	6.425	55	2051988	255.18	ug/l	97
71)	n-Amyl acetate	6.558	43	2052249	255.66	ug/l	91
72)	Bromoform	6.624	173	740378	269.18	ug/l	93
73)	Ethylbenzene	6.185	106	689314	165.89	ug/l	80
74)	1,1,2,2-Tetrachloroethane	6.877	83	872269	209.12	ug/l	90
76)	Styrene	6.498	104	1736035	180.33	ug/l	91
77)	m&p-Xylenes	6.251	106	1869310	316.98	ug/l	89
78)	o-Xylene	6.486	106	978727	168.19	ug/l	73
79)	trans-1,4-Dichloro-2-b...	6.907	53	226684	193.40	ug/l	20
80)	1,3-Dichlorobenzene	7.478	146	1337687	185.67	ug/l	88
81)	1,4-Dichlorobenzene	7.526	146	1604019	215.04	ug/l	93
82)	1,2-Dichlorobenzene	7.767	146	1573772	236.93	ug/l	89
83)	Isopropylbenzene	6.702	105	2915161	214.52	ug/l	93
84)	Cyclohexanone	6.780	55	192896	456.66	ug/l	97
85)	Camphene	6.871	93	834797	503.02	ug/l	97
86)	1,2,3-Trichloropropane	6.913	75	1025490	205.36	ug/l	84
87)	2-Chlorotoluene	7.015	91	1358520	118.14	ug/l	95
88)	p-Ethyltoluene	7.009	105	2596726	64.56	ug/l	83
89)	4-Chlorotoluene	7.081	91	1612239	185.83	ug/l	92
90)	n-Propylbenzene	6.949	91	3607995	211.44	ug/l	96
91)	Bromobenzene	6.907	77	1621835	183.32	ug/l	92
92)	1,3,5-Trimethylbenzene	7.045	105	2245017	227.83	ug/l	87
93)	Butyl methacrylate	7.063	41	1468479	230.80	ug/l	64
94)	t-Butylbenzene	7.250	119	2263501	214.72	ug/l	80
95)	1,2,4-Trimethylbenzene	7.280	105	2454532	211.05	ug/l	87
96)	sec-Butylbenzene	7.382	105	2911399	218.10	ug/l	98
97)	4-Isopropyltoluene	7.460	119	1976889	178.40	ug/l	90
98)	n-Butylbenzene	7.719	91	2515196	165.73	ug/l	94
99)	p-Diethylbenzene	7.701	119	1264544	82.36	ug/l	92
100)	1,2,4,5-Tetramethylben...	8.194	119	2106743	86.77	ug/l	89
101)	1,2-Dibromo-3-Chloropr...	8.254	157	240972	296.99	ug/l	55
102)	Camphor	8.723	95	723917	4426.78	ug/l	93
103)	Hexachlorobutadiene	8.874	225	695016	291.82	ug/l	95
104)	1,2,4-Trichlorobenzene	8.783	180	1079417	258.82	ug/l	96
105)	1,2,3-Trichlorobenzene	9.108	180	990228	279.01	ug/l	96
106)	Naphthalene	8.952	128	2149933	275.14	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 2M63425.D
Acq On : 02/25/11 09:02
Operator : DB
Sam Mult : 1 Vial# : 10
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 2M63425.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M63425.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63424.D Sam Mult : 1 Vial# : 9 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:47 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.307	96	289773	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	204920	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	110689	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.844	111	66196	28.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.53%			
38) 1,2-Dichloroethane-d4	4.090	67	44425	28.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.60%			
65) Toluene-d8	5.257	98	301747	32.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.07%			
75) Bromofluorobenzene	6.809	174	123978	37.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 123.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.197	51	2499448	668.55	ug/l	96
6) Dichlorodifluoromethane	1.181	85	1571306	708.04	ug/l	88
7) Chloromethane	1.314	50	1817481	659.23	ug/l	83
8) Bromomethane	1.563	94	278674m	199.59	ug/l	
9) Vinyl Chloride	1.364	62	1303162	607.18	ug/l	95
10) Chloroethane	1.630	64	591413	440.39	ug/l	93
11) Trichlorofluoromethane	1.796	101	1360241	530.50	ug/l	90
12) Ethyl ether	1.997	59	1246727	355.17	ug/l	95
13) Furan	2.027	39	4007907	400.25	ug/l	96
14) 1,1,2-Trichloro-1,2,2-...	2.145	101	694842	372.87	ug/l	96
15) Methylene Chloride	2.490	84	1497612	431.45	ug/l	81
16) Acrolein	2.096	56	1053622	2043.63	ug/l	99
17) Acrylonitrile	2.678	53	474547	354.06	ug/l	96
18) Iodomethane	2.273	142	1964586	438.36	ug/l	93
19) Acetone	2.204	43	2169046	1863.13	ug/l	89
20) Carbon Disulfide	2.313	76	4399345	433.20	ug/l	100
21) t-Butyl Alcohol	2.579	59	591959	1944.48	ug/l	78
22) n-Hexane	2.885	57	1127407	370.00	ug/l	70
23) Di-isopropyl-ether	3.052	45	4972422	366.64	ug/l	98
24) 1,1-Dichloroethene	2.155	61	1998811	402.77	ug/l	99
25) Methyl Acetate	2.421	43	1309362	409.25	ug/l	100
26) Methyl-t-butyl ether	2.688	73	2627887	342.27	ug/l	66
27) 1,1-Dichloroethane	3.003	63	2694217	409.63	ug/l	99
28) trans-1,2-Dichloroethene	2.688	96	1035064	359.88	ug/l	96
29) cis-1,2-Dichloroethene	3.465	61	1844863	356.48	ug/l	89
30) Bromochloromethane	3.663	49	1268507	375.94	ug/l	68
31) 2,2-Dichloropropane	3.471	77	1189513	283.92	ug/l	96
32) Ethyl acetate	3.519	43	1688303	441.33	ug/l	99
33) 1,4-Dioxane	4.758	88	609802	17799.58	ug/l	79
34) 1,1-Dichloropropene	3.982	75	1432911	328.33	ug/l	98
35) Chloroform	3.723	83	2131514	397.28	ug/l	87
37) Cyclohexane	3.904	56	1786567	386.97	ug/l	85
39) 1,2-Dichloroethane	4.145	62	1603431	352.94	ug/l	95
40) 2-Butanone	3.483	43	672160	388.73	ug/l	98
41) 1,1,1-Trichloroethane	3.868	97	1650384	374.59	ug/l	99
42) Carbon Tetrachloride	3.982	117	1178021	355.27	ug/l	94
43) Vinyl Acetate	3.042	43	5292549	386.59	ug/l	100
44) Bromodichloromethane	4.830	83	1924419	394.73	ug/l	94
45) Methylcyclohexane	4.650	83	1330638	316.22	ug/l	96
46) Dibromomethane	4.746	174	886801	333.26	ug/l	94
47) 1,2-Dichloropropane	4.674	63	1482767	346.85	ug/l	96
48) Trichloroethene	4.536	130	1161823	354.72	ug/l	95
49) Benzene	4.126	78	4081377	302.65	ug/l	100
50) tert-Amyl methyl ether	4.193	73	3195159	345.59	ug/l	72
52) Iso-propylacetate	4.163	43	3285428	508.29	ug/l	82
53) Methyl methacrylate	4.728	41	1591864	446.08	ug/l	98
54) Dibromochloromethane	5.775	129	1522033	440.29	ug/l	98
55) 2-Chloroethylvinylether	5.005	63	1058551	430.43	ug/l	80
56) cis-1,3-Dichloropropene	5.095	75	2295761	392.03	ug/l	92
57) trans-1,3-Dichloropropene	5.420	75	2046300	399.40	ug/l	97
58) Ethyl methacrylate	5.462	41	1762249	430.74	ug/l	84
59) 1,1,2-Trichloroethane	5.540	97	1162701	400.19	ug/l	87
60) 1,2-Dibromoethane	5.847	107	1390918	436.69	ug/l	92
61) 1,3-Dichloropropane	5.636	76	1922908	360.38	ug/l	97
62) 4-Methyl-2-Pentanone	5.185	43	1931317	442.12	ug/l	94
63) 2-Hexanone	5.672	43	1409828	418.50	ug/l	89
64) Tetrachloroethene	5.624	164	834734	312.45	ug/l	100
66) Toluene	5.299	92	2633732	338.57	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.172	133	894981	321.72	ug/l	70

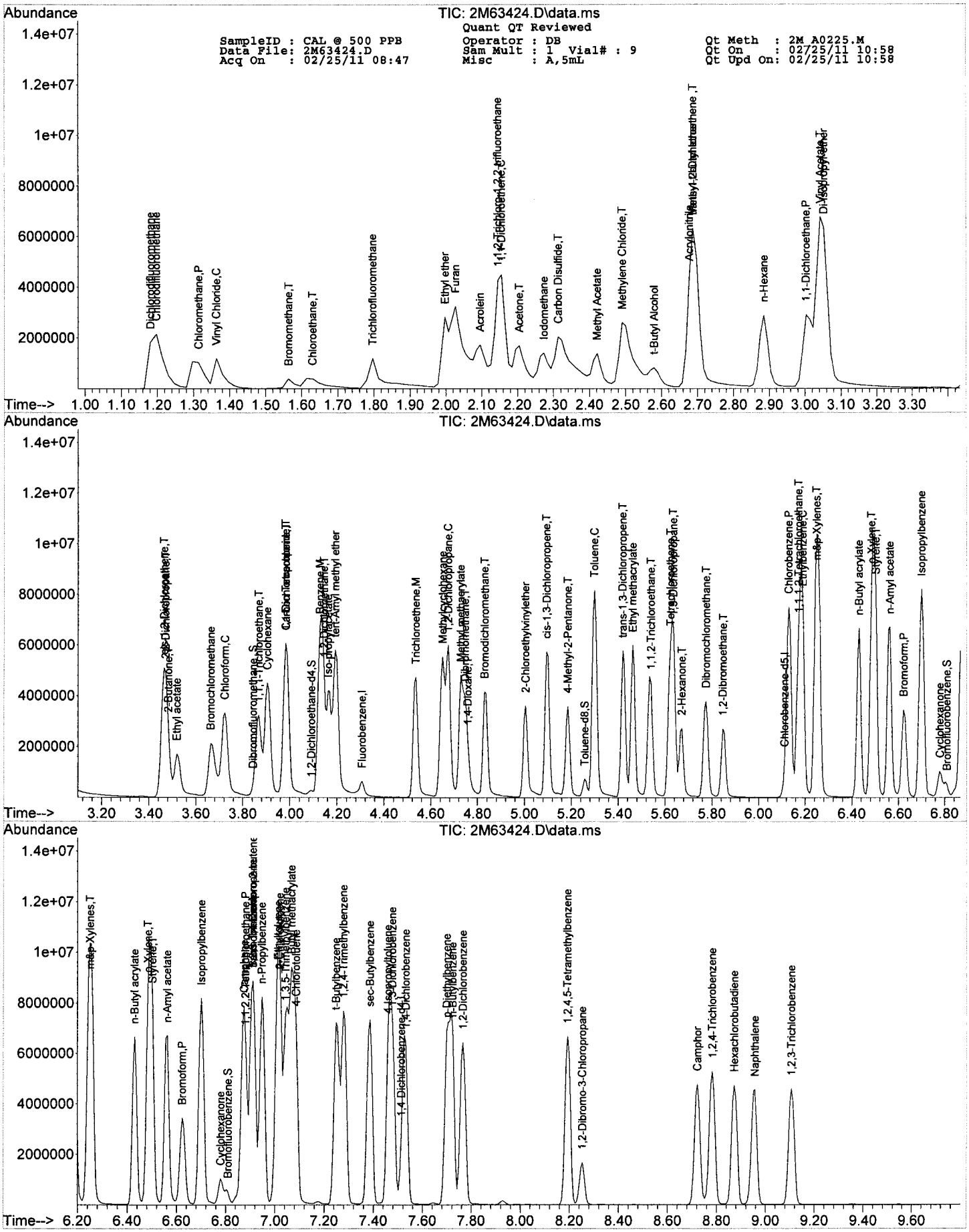
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63424.D Sam Mult : 1 Vial# : 9 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:47 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.130	112	2984861	350.86 ug/l	98
70)	n-Butyl acrylate	6.430	55	3368122	443.09 ug/l	98
71)	n-Amyl acetate	6.563	43	3458203	455.75 ug/l	93
72)	Bromoform	6.623	173	1274527	490.20 ug/l	95
73)	Ethylbenzene	6.190	106	859392	218.79 ug/l	83
74)	1,1,2,2-Tetrachloroethane	6.882	83	1287897	326.63 ug/l	92
76)	Styrene	6.503	104	2376640	261.15 ug/l	92
77)	m&p-Xylenes	6.250	106	2491773	446.98 ug/l	98
78)	o-Xylene	6.484	106	1362496	247.69 ug/l	76
79)	trans-1,4-Dichloro-2-b...	6.912	53	364580	329.06 ug/l	32
80)	1,3-Dichlorobenzene	7.477	146	1867363	274.19 ug/l	90
81)	1,4-Dichlorobenzene	7.531	146	2362332	335.04 ug/l	94
82)	1,2-Dichlorobenzene	7.766	146	2355522	375.14 ug/l	90
83)	Isopropylbenzene	6.701	105	4371821	340.32 ug/l	94
84)	Cyclohexanone	6.779	55	331498	830.21 ug/l	93
85)	Camphene	6.875	93	1271142	810.28 ug/l	99
86)	1,2,3-Trichloropropane	6.912	75	1522661	322.57 ug/l	84
87)	2-Chlorotoluene	7.020	91	1793861	165.02 ug/l	93
88)	p-Ethyltoluene	7.014	105	3646724	95.91 ug/l	77
89)	4-Chlorotoluene	7.086	91	2235952	272.64 ug/l	94
90)	n-Propylbenzene	6.948	91	5424805	336.32 ug/l	97
91)	Bromobenzene	6.912	77	2669325	319.18 ug/l	85
92)	1,3,5-Trimethylbenzene	7.044	105	3020229	324.24 ug/l	82
93)	Butyl methacrylate	7.068	41	2199724	365.74 ug/l	68
94)	t-Butylbenzene	7.248	119	3287735	329.93 ug/l	83
95)	1,2,4-Trimethylbenzene	7.279	105	3615597	328.88 ug/l	87
96)	sec-Butylbenzene	7.387	105	4470538	354.28 ug/l	100
97)	4-Isopropyltoluene	7.459	119	2740683	261.64 ug/l	92
98)	n-Butylbenzene	7.724	91	3753034	261.60 ug/l	94
99)	p-Diethylbenzene	7.700	119	1857322	127.96 ug/l	92
100)	1,2,4,5-Tetramethylben...	8.193	119	3220809	140.34 ug/l	89
101)	1,2-Dibromo-3-Chloropr...	8.253	157	417600	544.46 ug/l	57
102)	Camphor	8.722	95	1006119	6508.53 ug/l	93
103)	Hexachlorobutadiene	8.873	225	1058279	470.06 ug/l	96
104)	1,2,4-Trichlorobenzene	8.782	180	1643341	416.84 ug/l	96
105)	1,2,3-Trichlorobenzene	9.107	180	1489143	443.87 ug/l	95
106)	Naphthalene	8.957	128	3289752	445.38 ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 2M63424.D
Acq On : 02/25/11 08:47
Operator : DB
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63421.D Sam Mult : 1 Vial# : 6 Qt On : 02/25/11 10:58
Acq On : 02/25/11 07:55 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.312	96	291245	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.117	117	236211	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.513	152	144702	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.849	111	74419	31.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.63%			
38) 1,2-Dichloroethane-d4	4.090	67	43672	28.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.50%			
65) Toluene-d8	5.263	98	295333	27.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.60%			
75) Bromofluorobenzene	6.803	174	135130	31.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.33%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.175	51	17432	4.64	ug/l	45
6) Dichlorodifluoromethane	1.191	85	3220	1.44	ug/l	92
7) Chloromethane	1.308	50	5735	2.07	ug/l	68
8) Bromomethane	1.591	94	1861	1.33	ug/l	85
9) Vinyl Chloride	1.374	62	3115	1.44	ug/l	91
10) Chloroethane	1.657	64	2142	1.59	ug/l	54
11) Trichlorofluoromethane	1.807	101	3100	1.20	ug/l	87
12) Ethyl ether	2.007	59	2941	0.83	ug/l	63
13) Furan	2.036	39	10371	1.03	ug/l	89
14) 1,1,2-Trichloro-1,2,2-...	2.154	101	1620	0.86	ug/l	83
15) Methylene Chloride	2.509	84	3953	1.13	ug/l	80
16) Acrolein	2.105	56	632	1.22	ug/l	100
17) Acrylonitrile	2.677	53	1469	1.09	ug/l	58
18) Iodomethane	2.283	142	5567	1.24	ug/l	73
19) Acetone	2.204	43	7928	6.78	ug/l	81
20) Carbon Disulfide	2.322	76	11149	1.09	ug/l	100
21) t-Butyl Alcohol	2.559	59	1381	4.51	ug/l	50
22) n-Hexane	2.894	57	1734	0.57	ug/l	82
23) Di-isopropyl-ether	3.052	45	12263	0.90	ug/l	100
24) 1,1-Dichloroethene	2.164	61	6074	1.22	ug/l	92
25) Methyl Acetate	2.431	43	3224	1.00	ug/l	100
26) Methyl-t-butyl ether	2.697	73	7242	0.94	ug/l	77
27) 1,1-Dichloroethane	3.012	63	6552	0.99	ug/l	97
28) trans-1,2-Dichloroethene	2.697	96	3492	1.21	ug/l	94
29) cis-1,2-Dichloroethene	3.476	61	5713	1.10	ug/l	93
30) Bromochloromethane	3.675	49	4016	1.18	ug/l	53
31) 2,2-Dichloropropane	3.464	77	2592	0.62	ug/l	43
32) Ethyl acetate	3.524	43	4140	1.08	ug/l	93
33) 1,4-Dioxane	4.770	88	1802	52.33	ug/l	84
34) 1,1-Dichloropropene	3.987	75	4613	1.05	ug/l	84
35) Chloroform	3.729	83	5670	1.05	ug/l	79
37) Cyclohexane	3.909	56	3413	0.74	ug/l	91
39) 1,2-Dichloroethane	4.144	62	4854	1.06	ug/l	66
40) 2-Butanone	3.500	43	1164	0.67	ug/l	56
41) 1,1,1-Trichloroethane	3.873	97	4216	0.95	ug/l	73
42) Carbon Tetrachloride	3.987	117	2574m	0.77	ug/l	
43) Vinyl Acetate	3.042	43	9152	0.67	ug/l	100
44) Bromodichloromethane	4.836	83	4770	0.97	ug/l	94
45) Methylcyclohexane	4.643	83	3145	0.74	ug/l	86
46) Dibromomethane	4.751	174	3481	1.30	ug/l	87
47) 1,2-Dichloropropane	4.673	63	4463	1.04	ug/l	67
48) Trichloroethene	4.535	130	4145	1.26	ug/l	95
49) Benzene	4.132	78	13905	1.03	ug/l	100
50) tert-Amyl methyl ether	4.198	73	7702m	0.83	ug/l	
52) Iso-propylacetate	4.168	43	5054	0.68	ug/l	97
53) Methyl methacrylate	4.733	41	3046	0.74	ug/l	81
54) Dibromochloromethane	5.774	129	3960	0.99	ug/l	100
55) 2-Chloroethylvinylether	5.004	63	2118	0.75	ug/l	96
56) cis-1,3-Dichloropropene	5.100	75	5311	0.79	ug/l	97
57) trans-1,3-Dichloropropene	5.419	75	5104	0.86	ug/l	98
58) Ethyl methacrylate	5.467	41	3199	0.68	ug/l	79
59) 1,1,2-Trichloroethane	5.533	97	3475	1.04	ug/l	90
60) 1,2-Dibromoethane	5.852	107	3480	0.95	ug/l	85
61) 1,3-Dichloropropane	5.636	76	6398	1.04	ug/l	99
62) 4-Methyl-2-Pentanone	5.185	43	2901	0.58	ug/l	82
63) 2-Hexanone	5.678	43	2199	0.57	ug/l	93
64) Tetrachloroethene	5.618	164	3820	1.24	ug/l	43
66) Toluene	5.299	92	10256	1.14	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.177	133	3220	1.00	ug/l	60

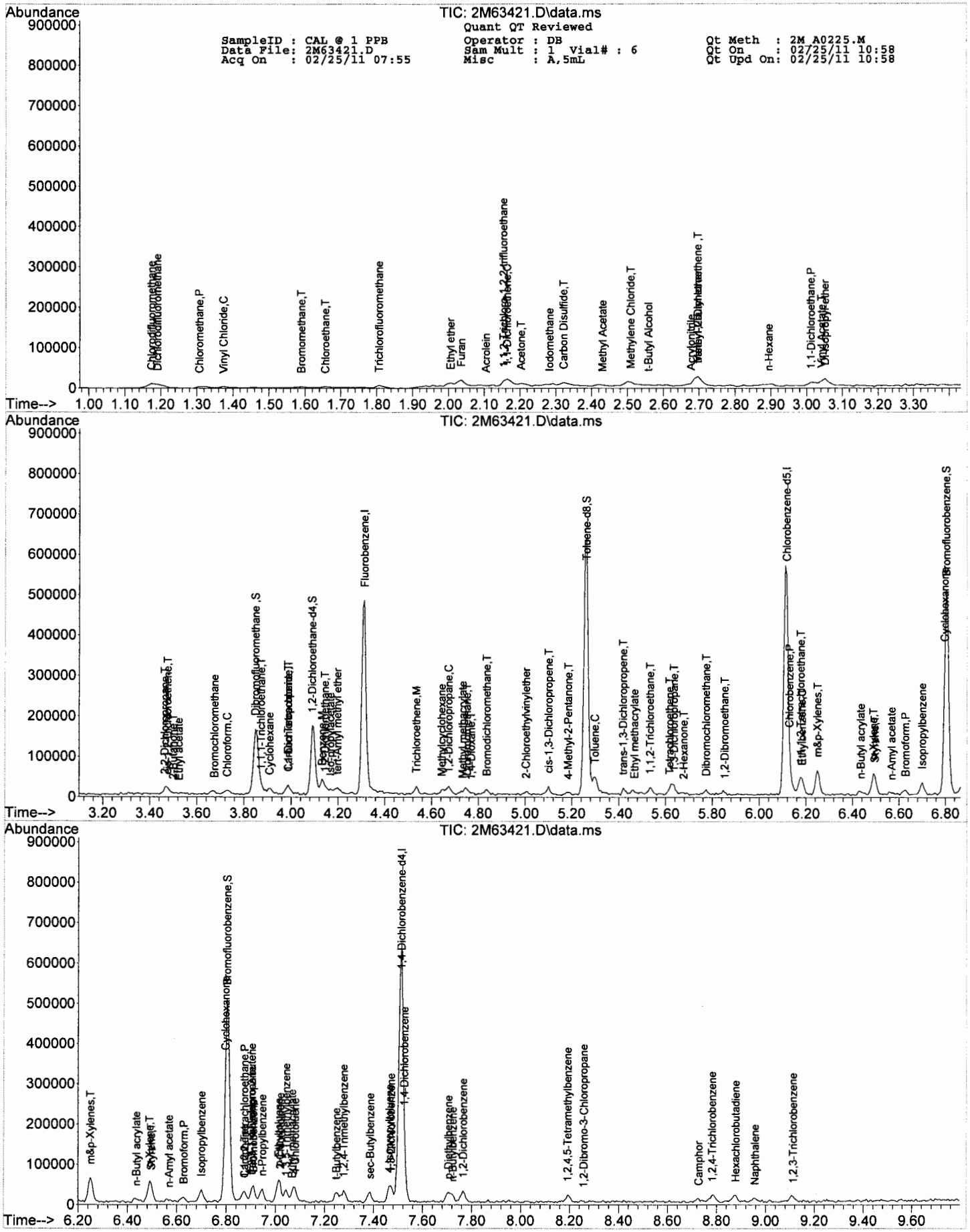
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63421.D Sam Mult : 1 Vial# : 6 Qt On : 02/25/11 10:58
Acq On : 02/25/11 07:55 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	Chlorobenzene	6.129	112	11323	1.15	ug/l		92
70)	n-Butyl acrylate	6.436	55	5195	0.52	ug/l		98
71)	n-Amyl acetate	6.568	43	4285	0.43	ug/l		75
72)	Bromoform	6.628	173	2967	0.87	ug/l		98
73)	Ethylbenzene	6.183	106	4618	0.90	ug/l		57
74)	1,1,2,2-Tetrachloroethane	6.875	83	4836	0.94	ug/l		94
76)	Styrene	6.496	104	10294	0.87	ug/l		84
77)	m&p-Xylenes	6.249	106	11537	1.58	ug/l		94
78)	o-Xylene	6.490	106	5644	0.78	ug/l		84
79)	trans-1,4-Dichloro-2-b...	6.905	53	1596	1.10	ug/l		67
80)	1,3-Dichlorobenzene	7.470	146	9047	1.02	ug/l		82
81)	1,4-Dichlorobenzene	7.525	146	9668	1.05	ug/l		87
82)	1,2-Dichlorobenzene	7.765	146	7962	0.97	ug/l		86
83)	Isopropylbenzene	6.700	105	12001	0.71	ug/l		86
84)	Cyclohexanone	6.797	55	1000m	1.92	ug/l		
85)	Camphene	6.875	93	3061	1.49	ug/l		77
86)	1,2,3-Trichloropropane	6.905	75	5150	0.83	ug/l		89
87)	2-Chlorotoluene	7.019	91	10871	0.76	ug/l		92
88)	p-Ethyltoluene	7.013	105	15156	0.30	ug/l		88
89)	4-Chlorotoluene	7.079	91	8381	0.78	ug/l		76
90)	n-Propylbenzene	6.947	91	17098	0.81	ug/l		99
91)	Bromobenzene	6.911	77	9487	0.87	ug/l		84
92)	1,3,5-Trimethylbenzene	7.043	105	11183	0.92	ug/l		91
93)	Butyl methacrylate	7.067	41	4717	0.60	ug/l		91
94)	t-Butylbenzene	7.248	119	8976	0.69	ug/l		76
95)	1,2,4-Trimethylbenzene	7.278	105	11443	0.80	ug/l		93
96)	sec-Butylbenzene	7.386	105	11990	0.73	ug/l		80
97)	4-Isopropyltoluene	7.464	119	10588	0.77	ug/l		85
98)	n-Butylbenzene	7.723	91	10458	0.56	ug/l		92
99)	p-Diethylbenzene	7.705	119	4502	0.24	ug/l		86
100)	1,2,4,5-Tetramethylben...	8.192	119	7403	0.25	ug/l		74
101)	1,2-Dibromo-3-Chloropr...	8.258	157	662	0.66	ug/l		36
102)	Camphor	8.728	95	1527	7.56	ug/l		70
103)	Hexachlorobutadiene	8.878	225	3932	1.34	ug/l		90
104)	1,2,4-Trichlorobenzene	8.782	180	5595	1.09	ug/l	#	89
105)	1,2,3-Trichlorobenzene	9.113	180	4288	0.98	ug/l	#	90
106)	Naphthalene	8.956	128	6370	0.66	ug/l		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 2M63421.D
Acq On : 02/25/11 07:55
Operator : DB
Sam Mult : 1 Vial# : 6
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63422.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:13 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.302	96	242068	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.112	117	200023	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.508	152	119710	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	3.839	111	62369	31.65	ug/l	-0.01
Spiked Amount 30.000			Recovery = 105.50%			
38) 1,2-Dichloroethane-d4	4.085	67	37653	29.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.00%			
65) Toluene-d8	5.252	98	255575	28.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.63%			
75) Bromofluorobenzene	6.804	174	106264	29.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D.	d	
6) Dichlorodifluoromethane	0.000		0	N.D.	d	
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.	d	
9) Vinyl Chloride	0.000		0	N.D.	d	
10) Chloroethane	0.000		0	N.D.		
11) Trichlorofluoromethane	0.000		0	N.D.	d	
12) Ethyl ether	0.000		0	N.D.	d	
13) Furan	0.000		0	N.D.	d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
15) Methylene Chloride	0.000		0	N.D.	d	
16) Acrolein	0.000		0	N.D.	d	
17) Acrylonitrile	0.000		0	N.D.	d	
18) Iodomethane	0.000		0	N.D.	d	
19) Acetone	0.000		0	N.D.	d	
20) Carbon Disulfide	0.000		0	N.D.	d	
21) t-Butyl Alcohol	0.000		0	N.D.	d	
22) n-Hexane	0.000		0	N.D.	d	
23) Di-isopropyl-ether	0.000		0	N.D.	d	
24) 1,1-Dichloroethene	0.000		0	N.D.	d	
25) Methyl Acetate	0.000		0	N.D.	d	
26) Methyl-t-butyl ether	2.688	73	3314	0.52	ug/l	63
27) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
29) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
30) Bromochloromethane	0.000		0	N.D.	d	
31) 2,2-Dichloropropane	0.000		0	N.D.	d	
32) Ethyl acetate	0.000		0	N.D.	d	
33) 1,4-Dioxane	0.000		0	N.D.	d	
34) 1,1-Dichloropropene	0.000		0	N.D.	d	
35) Chloroform	0.000		0	N.D.	d	
37) Cyclohexane	0.000		0	N.D.	d	
39) 1,2-Dichloroethane	4.133	62	2427m	0.64	ug/l	
40) 2-Butanone	0.000		0	N.D.	d	
41) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
42) Carbon Tetrachloride	0.000		0	N.D.	d	
43) Vinyl Acetate	0.000		0	N.D.	d	
44) Bromodichloromethane	0.000		0	N.D.	d	
45) Methylcyclohexane	0.000		0	N.D.	d	
46) Dibromomethane	0.000		0	N.D.	d	
47) 1,2-Dichloropropane	0.000		0	N.D.	d	
48) Trichloroethene	0.000		0	N.D.	d	
49) Benzene	4.121	78	6240	0.55	ug/l	100
50) tert-Amyl methyl ether	0.000		0	N.D.	d	
52) Iso-propylacetate	0.000		0	N.D.	d	
53) Methyl methacrylate	0.000		0	N.D.	d	
54) Dibromochloromethane	0.000		0	N.D.	d	
55) 2-Chloroethylvinylether	0.000		0	N.D.	d	
56) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
57) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
58) Ethyl methacrylate	0.000		0	N.D.	d	
59) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
60) 1,2-Dibromoethane	0.000		0	N.D.	d	
61) 1,3-Dichloropropane	0.000		0	N.D.	d	
62) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
63) 2-Hexanone	0.000		0	N.D.	d	
64) Tetrachloroethene	0.000		0	N.D.	d	
66) Toluene	0.000		0	N.D.	d	
67) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	

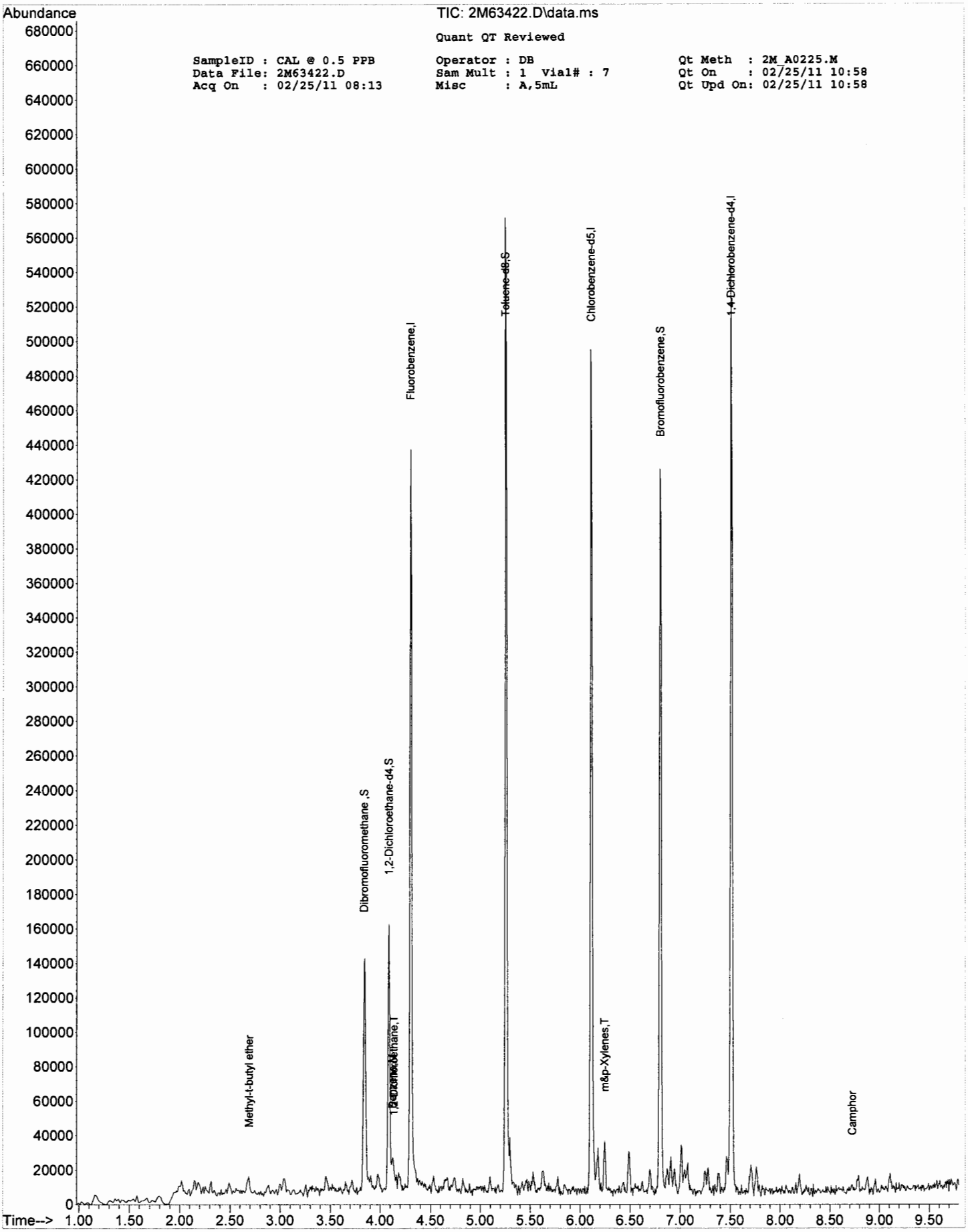
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : DB Qt Meth : 2M_A0225.M
Data File: 2M63422.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 10:58
Acq On : 02/25/11 08:13 Misc : A,5mL Qt Upd On: 02/25/11 10:58

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	0.000		0	N.D.	d	
70)	n-Butyl acrylate	0.000		0	N.D.	d	
71)	n-Amyl acetate	0.000		0	N.D.	d	
72)	Bromoform	0.000		0	N.D.	d	
73)	Ethylbenzene	0.000		0	N.D.	d	
74)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
76)	Styrene	0.000		0	N.D.	d	
77)	m&p-Xylenes	6.245	106	5467	0.91	ug/l	77
78)	o-Xylene	0.000		0	N.D.	d	
79)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
80)	1,3-Dichlorobenzene	0.000		0	N.D.	d	
81)	1,4-Dichlorobenzene	0.000		0	N.D.	d	
82)	1,2-Dichlorobenzene	0.000		0	N.D.	d	
83)	Isopropylbenzene	0.000		0	N.D.	d	
84)	Cyclohexanone	0.000		0	N.D.	d	
85)	Camphene	0.000		0	N.D.	d	
86)	1,2,3-Trichloropropane	0.000		0	N.D.	d	
87)	2-Chlorotoluene	0.000		0	N.D.	d	
88)	p-Ethyltoluene	0.000		0	N.D.	d	
89)	4-Chlorotoluene	0.000		0	N.D.	d	
90)	n-Propylbenzene	0.000		0	N.D.	d	
91)	Bromobenzene	0.000		0	N.D.	d	
92)	1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
93)	Butyl methacrylate	0.000		0	N.D.	d	
94)	t-Butylbenzene	0.000		0	N.D.	d	
95)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
96)	sec-Butylbenzene	0.000		0	N.D.	d	
97)	4-Isopropyltoluene	0.000		0	N.D.	d	
98)	n-Butylbenzene	0.000		0	N.D.	d	
99)	p-Diethylbenzene	0.000		0	N.D.	d	
100)	1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
101)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d	
102)	Camphor	8.723	95	1066	6.38	ug/l #	45
103)	Hexachlorobutadiene	0.000		0	N.D.	d	
104)	1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
105)	1,2,3-Trichlorobenzene	0.000		0	N.D.	d	
106)	Naphthalene	0.000		0	N.D.	d	

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


Abundance
TIC: 2M63422.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 2M63422.D
Acq On : 02/25/11 08:13
Operator : DB
Sam Mult : 1 Vial# : 7
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 02/25/11 10:58
Qt Upd On: 02/25/11 10:58
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0210

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M88394.	CAL @ 20 PPB	02/27/11 17:23	2	3M88389.	CAL @ 5 PPB	02/27/11 16:00
3	3M88395.	CAL @ 10 PPB	02/27/11 17:40	4	3M88393.	CAL @ 50 PPB	02/27/11 17:07
5	3M88392.	CAL @ 100 PPB	02/27/11 16:50	6	3M88391.	CAL @ 250 PPB	02/27/11 16:34
7	3M88390.	CAL @ 500 PPB	02/27/11 16:17	8	3M88387.	CAL @ 1 PPB	02/27/11 15:21
9	3M88388.	CAL @ 0.5 PPB	02/27/11 15:41				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	LinF	0.4637	0.6122	0.5419	0.4900	0.4693	0.4705	0.4311	1.3324	-----	0.601	1.29	0.998	1.00	50		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.3757	0.3349	0.2686	0.2985	0.2865	0.3085	0.3470	0.3516	-----	0.321	1.28	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2526	0.2781	0.3013	0.2684	0.2641	0.2728	0.2798	0.2702	-----	0.273	1.41	1.00	1.00	5.2	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	LinF	0.1271	0.1039	0.1127	0.1156	0.1107	-----	-----	0.1733	-----	0.124	1.73	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	Avg	0.1703	0.1666	0.2187	0.1982	0.2018	0.1938	0.1810	0.1773	-----	0.188	1.49	0.999	1.00	9.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1045	0.1040	0.0875	0.0926	0.0866	0.0824	0.0701	0.0784	-----	0.0883	1.81	0.993	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	Avg	0.2085	0.2099	0.2068	0.2083	0.2091	0.2101	0.1965	0.1767	-----	0.203	1.99	0.999	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	LinF	0.1081	0.1296	0.0817	0.0865	0.0749	0.0713	0.0666	0.1322	-----	0.0939	2.19	0.998	1.00	28		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.4852	0.4086	0.5346	0.4698	0.4644	0.4218	-----	0.5781	-----	0.480	2.23	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.0823	0.1193	0.0661	0.0853	0.0964	0.1182	0.1008	0.0927	-----	0.0952	2.38	0.993	0.996	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2520	0.2224	0.2653	0.2507	0.2433	0.2347	0.2241	0.3300	-----	0.253	2.75	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	LinF	0.0176	0.0159	0.0188	0.0215	0.0191	0.0219	0.0210	0.0134	-----	0.0187	2.32	0.999	0.999	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1033	0.1042	0.1073	0.1114	0.1020	0.1008	-----	0.1950	-----	0.118	2.95	1.00	1.00	29		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Iodomethane	1	0	Avg	0.3655	0.3039	0.3779	0.3795	0.3603	0.3427	0.3281	0.3599	-----	0.352	2.50	0.999	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	LinF	0.0909	0.0925	0.1032	0.0992	0.0930	0.0937	0.0902	0.1838	-----	0.106	2.43	1.00	1.00	30		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.6932	0.5773	0.7258	0.6875	0.6768	0.6613	0.6283	0.7759	-----	0.678	2.55	0.999	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0165	0.0164	0.0168	0.0194	0.0193	0.0211	0.0194	0.0104	-----	0.0175	2.85	0.998	0.999	19		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	LinF	0.0741	0.0655	0.0937	0.0967	0.1053	0.1137	0.1097	0.1530	-----	0.102	3.17	0.999	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.8765	0.6413	0.8724	0.9206	0.8662	0.8229	0.7217	0.7741	-----	0.812	3.35	0.995	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	Avg	0.2875	0.3264	0.2914	0.3270	0.3360	0.3479	0.3195	0.3375	-----	0.322	2.38	0.998	1.00	6.7	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	LinF	0.2818	0.2485	0.2867	0.2845	0.2731	0.2873	0.2711	0.4178	-----	0.294	2.68	0.999	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.4906	0.3652	0.4936	0.5004	0.4817	0.4561	0.4049	0.3924	0.4770	0.451	2.97	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.4491	0.3688	0.4435	0.4595	0.4335	0.4264	0.3931	0.4629	-----	0.430	3.31	0.998	1.00	7.7	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	Avg	0.2205	0.1618	0.2196	0.2186	0.2005	0.1887	0.1713	0.2460	-----	0.203	2.97	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.3982	0.3280	0.3964	0.4026	0.3823	0.3577	0.3135	0.3701	-----	0.369	3.78	0.995	1.00	9.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2767	0.2285	0.2698	0.2754	0.2640	0.2520	0.2302	0.2846	-----	0.260	3.96	0.998	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.2270	0.2109	0.2212	0.2345	0.2207	0.2089	0.1878	0.2385	-----	0.219	3.78	0.997	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.3712	0.2679	0.3472	0.4002	0.3676	0.3962	0.3754	0.3833	-----	0.364	3.84	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	LinF	0.0036	0.0026	0.0040	0.0036	0.0036	0.0033	-----	0.0016	-----	0.00324	5.02	0.999	1.00	25		1000.	250.0	500.0	2500.	5000.	1250		50.00	
1.1-Dichloropropene	1	0	Avg	0.3294	0.2600	0.3252	0.3425	0.3279	0.2920	-----	0.2217	-----	0.300	4.26	0.997	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroform	1	0	Avg	0.4276	0.3765	0.4515	0.4387	0.4174	0.4110	0.3821	0.3999	-----	0.413	4.02	0.999	1.00	6.4	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethane	1	0	Avg	0.2634	0.2942	0.2600	0.2687	0.2692	0.2487	0.2424	0.2946	0.2907	0.270	4.13	-1	-1	7.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	LinF	0.2012	0.1739	0.2083	0.2552	0.2637	0.2663	0.2382	0.1610	-----	0.221	4.19	0.997	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.1597	0.1760	0.1629	0.1684	0.1647	0.1546	0.1535	0.1757	0.1806	0.166	4.37	-1	-1	5.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	Avg	0.4351	0.3681	0.4370	0.4103	0.3850	0.3504	0.3038	0.4655	0.4843	0.404	4.41	0.994	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	LinF	0.1732	0.1314	0.1708	0.1736	0.1690	0.1620	-----	0.2455	-----	0.175	3.80	1.00	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3377	0.3047	0.3492	0.3493	0.3393	0.3347	0.3021	0.3214	-----	0.330	4.15	0.997	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2870	0.2483	0.2941	0.2842	0.2851	0.2705	0.2292	0.2839	-----	0.273	4.26	0.992	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.0055	0.6931	0.8970	1.0685	1.0312	0.9834	0.8639	0.7784	-----	0.915	3.34	0.995	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4008	0.3485	0.4194	0.4269	0.4061	0.3990	0.3592	0.3733	-----	0.392	5.11	0.997	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylcyclohexane	1	0	LinF	0.1305	0.1393	0.1624	0.1762	0.1986	0.1967	0.1764	0.1112	-----	0.161	4.91	0.997	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.9

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_3

0211

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M88394.	CAL @ 20 PPB	02/27/11 17:23	2	3M88389.	CAL @ 5 PPB	02/27/11 16:00
3	3M88395.	CAL @ 10 PPB	02/27/11 17:40	4	3M88393.	CAL @ 50 PPB	02/27/11 17:07
5	3M88392.	CAL @ 100 PPB	02/27/11 16:50	6	3M88391.	CAL @ 250 PPB	02/27/11 16:34
7	3M88390.	CAL @ 500 PPB	02/27/11 16:17	8	3M88387.	CAL @ 1 PPB	02/27/11 15:21
9	3M88388.	CAL @ 0.5 PPB	02/27/11 15:41				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Dibromomethane	1	0	Avg	0.2721	0.2563	0.2828	0.2729	0.2516	0.2255	-----	0.3371	-----	0.271	5.02	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dichloropropane	1	0	Avg	0.3387	0.2838	0.3406	0.3428	0.3228	0.3004	0.2571	0.3355	-----	0.315	4.94	0.993	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2888	0.2383	0.2981	0.2911	0.2778	0.2635	0.2182	0.2552	-----	0.266	4.80	0.990	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.0796	0.8987	1.0973	1.0665	0.9748	0.8916	0.7145	1.0111	1.0936	0.981	4.40	0.985	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.5784	0.4497	0.5403	0.5960	0.5761	0.5406	0.4545	0.4618	-----	0.525	4.46	0.991	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.7888	0.5927	0.7891	0.8884	0.8059	0.8844	0.7964	0.7210	-----	0.783	4.43	0.997	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.4601	0.3247	0.4900	0.4749	0.4660	0.4923	0.4602	0.3364	-----	0.438	4.99	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4130	0.3551	0.4359	0.4375	0.4288	0.4399	0.4112	0.2869	-----	0.401	6.06	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylether	1	0	Avg	0.2491	0.1667	0.2305	0.2670	0.2636	0.2726	0.2585	0.2124	-----	0.240	5.27	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.3-Dichloropropen	1	0	LinF	0.5244	0.3631	0.4924	0.5470	0.5484	0.5687	0.5296	0.3833	-----	0.495	5.37	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.3-Dichloroprope	1	0	LinF	0.4559	0.3125	0.4426	0.5051	0.5132	0.5282	0.4972	0.3525	-----	0.451	5.70	0.999	1.00	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	LinF	0.4884	0.2719	0.4477	0.5207	0.4955	0.5001	0.4519	0.2450	-----	0.428	5.73	0.997	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloroethane	1	0	Avg	0.3462	0.3032	0.3650	0.3478	0.3434	0.3304	0.3031	0.4630	-----	0.350	5.82	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromoethane	1	0	Avg	0.4029	0.3603	0.4207	0.4073	0.4132	0.4141	0.3807	0.3802	-----	0.397	6.14	0.998	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichloropropane	1	0	Avg	0.6245	0.4954	0.6394	0.6126	0.5827	0.5508	0.4783	0.5174	-----	0.563	5.92	0.994	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.5208	0.4336	0.5046	0.5463	0.5558	0.5915	0.5550	0.3889	-----	0.512	5.45	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	LinF	0.3769	0.2807	0.3959	0.4079	0.4189	0.4365	0.4200	0.1852	-----	0.365	5.95	1.00	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2662	0.2529	0.2860	0.2706	0.2679	0.2428	0.2050	0.2623	-----	0.257	5.91	0.991	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2567	1.2742	1.2601	1.2368	1.2576	1.3020	1.3729	1.3080	1.2543	1.28	5.53	-1	-1	3.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8180	0.7518	0.8572	0.8050	0.7785	0.7345	0.6300	0.8928	-----	0.784	5.57	0.993	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.3185	0.2809	0.3170	0.3178	0.3010	0.2630	0.2205	0.3311	-----	0.294	6.46	0.990	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.9610	0.7835	1.0353	0.9353	0.9118	0.8663	0.7425	0.9536	-----	0.899	6.42	0.993	1.00	11	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	LinF	1.2886	0.7472	1.2945	1.5021	1.5420	1.5703	1.4466	0.7442	-----	1.27	6.71	0.998	1.00	27		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	LinF	1.4577	0.8276	1.3139	1.5881	1.5982	1.6506	1.5281	0.7764	-----	1.34	6.84	0.998	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5990	0.5064	0.5951	0.6505	0.6441	0.6897	0.6476	0.5440	-----	0.610	6.93	0.999	1.00	10	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.5745	0.4521	0.6211	0.5537	0.5193	0.4663	-----	0.5668	-----	0.536	6.47	0.997	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.8742	0.7777	0.9312	0.9135	0.8522	0.8288	0.7091	0.7396	-----	0.828	7.17	0.993	1.00	9.7	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.9128	0.9120	0.8765	0.9133	0.9316	1.0110	1.1133	0.9203	0.9216	0.946	7.11	-1	-1	7.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.6179	1.2269	1.6130	1.6507	1.5121	1.3292	-----	1.0946	-----	1.43	6.79	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	Avg	0.8534	0.6620	0.8695	0.8429	0.7913	0.6983	-----	0.6276	0.6678	0.752	6.54	0.996	1.00	13		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	0.8901	0.6934	0.9173	0.8779	0.8239	0.7197	-----	0.5935	-----	0.788	6.78	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.2908	0.2460	0.2661	0.3038	0.3065	0.3031	0.2639	0.2638	-----	0.281	7.20	0.995	1.00	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3-Dichlorobenzene	1	0	Avg	1.2039	0.9634	1.2258	1.1823	1.1218	1.0409	0.8803	0.9548	-----	1.07	7.79	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dichlorobenzene	1	0	Avg	1.2203	1.0432	1.3107	1.2539	1.1860	1.1469	0.9960	1.2141	-----	1.17	7.84	0.995	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichlorobenzene	1	0	Avg	1.1854	1.0386	1.2664	1.2351	1.1843	1.1174	0.9895	0.9546	-----	1.12	8.09	0.996	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	LinF	1.8677	1.3489	1.7922	1.9482	2.0056	1.9810	1.7419	1.2251	-----	1.74	7.00	0.996	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0279	0.0337	0.0325	0.0314	0.0327	0.0365	0.0365	0.0292	-----	0.0326	7.08	1.00	1.00	9.5		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	LinF	0.3105	0.2673	0.3685	0.3677	0.4286	0.4284	0.3744	0.2911	-----	0.355	7.18	0.995	0.999	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichloropropane	1	0	Avg	0.9443	0.7366	0.9919	0.9975	0.9489	0.9083	0.7449	0.9383	-----	0.901	7.22	0.989	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	LinF	1.3984	1.0971	1.5058	1.3212	1.1988	1.1385	-----	0.9242	-----	1.23	7.32	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Ethyltoluene	1	0	Avg	2.1636	1.6466	2.1027	2.2168	2.1754	1.8997	-----	1.5030	-----	1.96	7.31	0.996	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.9

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_3

0212

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3M88394.	CAL @ 20 PPB	02/27/11 17:23	2	3M88389.	CAL @ 5 PPB	02/27/11 16:00
3	3M88395.	CAL @ 10 PPB	02/27/11 17:40	4	3M88393.	CAL @ 50 PPB	02/27/11 17:07
5	3M88392.	CAL @ 100 PPB	02/27/11 16:50	6	3M88391.	CAL @ 250 PPB	02/27/11 16:34
7	3M88390.	CAL @ 500 PPB	02/27/11 16:17	8	3M88387.	CAL @ 1 PPB	02/27/11 15:21
9	3M88388.	CAL @ 0.5 PPB	02/27/11 15:41				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
4-Chlorotoluene	1	0	Avg	1.4175	1.0927	1.4470	1.3778	1.3915	1.2128	1.0641	1.1590	-----	1.27	7.38	0.994	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.1690	1.8005	2.2220	2.3032	2.3480	2.2808	2.0257	1.9266	-----	2.13	7.25	0.996	1.00	9.2	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.5344	1.2984	1.4759	1.4964	1.3893	1.3862	1.0417	1.3653	-----	1.37	7.22	0.977	0.999	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzene	1	0	Avg	1.3982	1.2493	1.6421	1.5312	1.4411	1.3946	1.1630	1.0712	-----	1.36	7.34	0.991	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	LinF	1.0696	0.7005	1.0877	1.1338	1.1079	1.0787	-----	0.7464	-----	0.989	7.36	1.00	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	LinF	1.2865	0.9118	1.3120	1.3598	1.4012	1.3747	-----	0.8868	-----	1.22	7.56	1.00	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4-Trimethylbenzene	1	0	Avg	1.6738	1.2961	1.6727	1.7175	1.6937	1.6710	1.4284	1.1705	-----	1.54	7.58	0.994	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	LinF	1.4296	1.1377	1.4152	1.5644	1.6839	1.6834	-----	1.0924	-----	1.43	7.69	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Isopropyltoluene	1	0	LinF	1.1734	0.8624	1.1159	1.2698	1.3097	1.2656	-----	0.7167	-----	1.10	7.77	1.00	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	LinF	1.2199	0.9633	1.2736	1.3682	1.4191	1.4209	-----	0.8446	-----	1.22	8.03	1.00	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
p-Diethylbenzene	1	0	LinF	0.6519	0.4853	0.6236	0.6997	0.7335	0.7243	-----	0.4790	-----	0.628	8.01	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2.4.5-Tetramethylber	1	0	LinF	1.1872	0.7082	1.1258	1.2990	1.3485	1.3444	-----	0.7572	-----	1.11	8.51	1.00	1.00	24	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dibromo-3-Chloropr	1	0	Avg	0.2018	0.1805	0.1951	0.2182	0.2176	0.2378	0.2364	0.1646	-----	0.207	8.59	1.00	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	LinF	0.0745	0.0486	0.0729	0.0834	0.0846	0.0841	0.0758	0.0404	0.0397	0.0671	9.06	0.997	1.00	28	200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.3960	0.3251	0.4019	0.3980	0.4113	0.3800	0.3471	0.3483	-----	0.376	9.21	0.997	1.00	8.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	0.7397	0.5784	0.7593	0.7430	0.7180	0.6937	0.6361	0.5543	-----	0.678	9.12	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	Avg	0.7095	0.5753	0.7580	0.7032	0.6994	0.6900	0.6382	0.5030	-----	0.660	9.46	0.998	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	LinF	1.9475	1.3959	1.9605	2.0826	2.0484	2.0223	1.8745	1.2334	-----	1.82	9.29	0.998	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.9

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88394.D Sam Mult : 1 Vial# : 13 Qt On : 02/28/11 07:12
Acq On : 02/27/11 17:23 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.572	96	284489	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.405	117	246116	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.823	152	153466	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	74935	31.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.90%			
38) 1,2-Dichloroethane-d4	4.362	67	45437	30.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.37%			
65) Toluene-d8	5.534	98	309298	28.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.77%			
75) Bromofluorobenzene	7.108	174	140092	29.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.43%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.298	51	87953	11.26	ug/l	73
6) Dichlorodifluoromethane	1.282	85	71269	22.17	ug/l	83
7) Chloromethane	1.415	50	47919	12.76	ug/l	81
8) Bromomethane	1.732	94	24122	14.48	ug/l	92
9) Vinyl Chloride	1.498	62	32314	11.84	ug/l	92
10) Chloroethane	1.798	64	19837	12.62	ug/l	95
11) Trichlorofluoromethane	1.982	101	39556	14.07	ug/l	85
12) Ethyl ether	2.198	59	20503	6.27	ug/l	90
13) Furan	2.235	39	92035	9.99	ug/l	95
14) 1,1,2-Trichloro-1,2,2-...	2.379	101	15615	9.35	ug/l	84
15) Methylene Chloride	2.751	84	47812	13.77	ug/l	92
16) Acrolein	2.319	56	16741	42.30	ug/l	85
17) Acrylonitrile	2.956	53	19598	15.62	ug/l	89
18) Iodomethane	2.505	142	69326	13.96	ug/l	98
19) Acetone	2.433	43	86249	80.13	ug/l	92
20) Carbon Disulfide	2.553	76	131480	13.70	ug/l	100
21) t-Butyl Alcohol	2.854	59	15722	58.54	ug/l	93
22) n-Hexane	3.166	57	14055	6.52	ug/l	83
23) Di-isopropyl-ether	3.352	45	166244	13.38	ug/l	87
24) 1,1-Dichloroethene	2.379	61	54534	10.91	ug/l	97
25) Methyl Acetate	2.679	43	53456	17.80	ug/l	100
26) Methyl-t-butyl ether	2.962	73	93064	13.13	ug/l	75
27) 1,1-Dichloroethane	3.304	63	85177	13.40	ug/l	99
28) trans-1,2-Dichloroethene	2.968	96	41827	13.81	ug/l	91
29) cis-1,2-Dichloroethene	3.785	61	75534	14.87	ug/l	78
30) Bromochloromethane	3.965	49	52496	15.59	ug/l	70
31) 2,2-Dichloropropane	3.785	77	43068	15.36	ug/l	95
32) Ethyl acetate	3.833	43	70405	19.12	ug/l	97
33) 1,4-Dioxane	5.017	88	35019	998.89	ug/l	77
34) 1,1-Dichloropropene	4.260	75	62491	15.12	ug/l	97
35) Chloroform	4.019	83	81110	16.24	ug/l	83
37) Cyclohexane	4.188	56	38161	10.08	ug/l	91
39) 1,2-Dichloroethane	4.416	62	82533	17.97	ug/l	90
40) 2-Butanone	3.803	43	32850	22.14	ug/l	94
41) 1,1,1-Trichloroethane	4.152	97	64064	16.94	ug/l	96
42) Carbon Tetrachloride	4.260	117	54432	18.71	ug/l	92
43) Vinyl Acetate	3.340	43	190711	16.19	ug/l	100
44) Bromodichloromethane	5.101	83	76016	16.45	ug/l	97
45) Methylcyclohexane	4.915	83	24765	8.18	ug/l	97
46) Dibromomethane	5.017	174	51617	17.90	ug/l	94
47) 1,2-Dichloropropane	4.939	63	64245	15.89	ug/l	98
48) Trichloroethene	4.795	130	54787	15.88	ug/l	89
49) Benzene	4.398	78	204765	15.94	ug/l	100
50) tert-Amyl methyl ether	4.458	73	109701	13.55	ug/l	93
52) Iso-propylacetate	4.428	43	129437	17.45	ug/l	87
53) Methyl methacrylate	4.987	41	75501	18.08	ug/l	96
54) Dibromochloromethane	6.056	129	67765	16.62	ug/l	99
55) 2-Chloroethylvinylether	5.269	63	40875	15.60	ug/l	83
56) cis-1,3-Dichloropropene	5.371	75	86056	14.05	ug/l	86
57) trans-1,3-Dichloropropene	5.696	75	74803	13.66	ug/l	97
58) Ethyl methacrylate	5.726	41	80149	17.74	ug/l	84
59) 1,1,2-Trichloroethane	5.816	97	56809	16.64	ug/l	84
60) 1,2-Dibromoethane	6.141	107	66114	17.20	ug/l	88
61) 1,3-Dichloropropane	5.918	76	102467	16.44	ug/l	94
62) 4-Methyl-2-Pentanone	5.456	43	85463	18.48	ug/l	94
63) 2-Hexanone	5.942	43	61842	18.89	ug/l	93
64) Tetrachloroethene	5.906	164	43684	13.54	ug/l	100
66) Toluene	5.576	92	134227	14.63	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.465	133	52269	15.73	ug/l	59

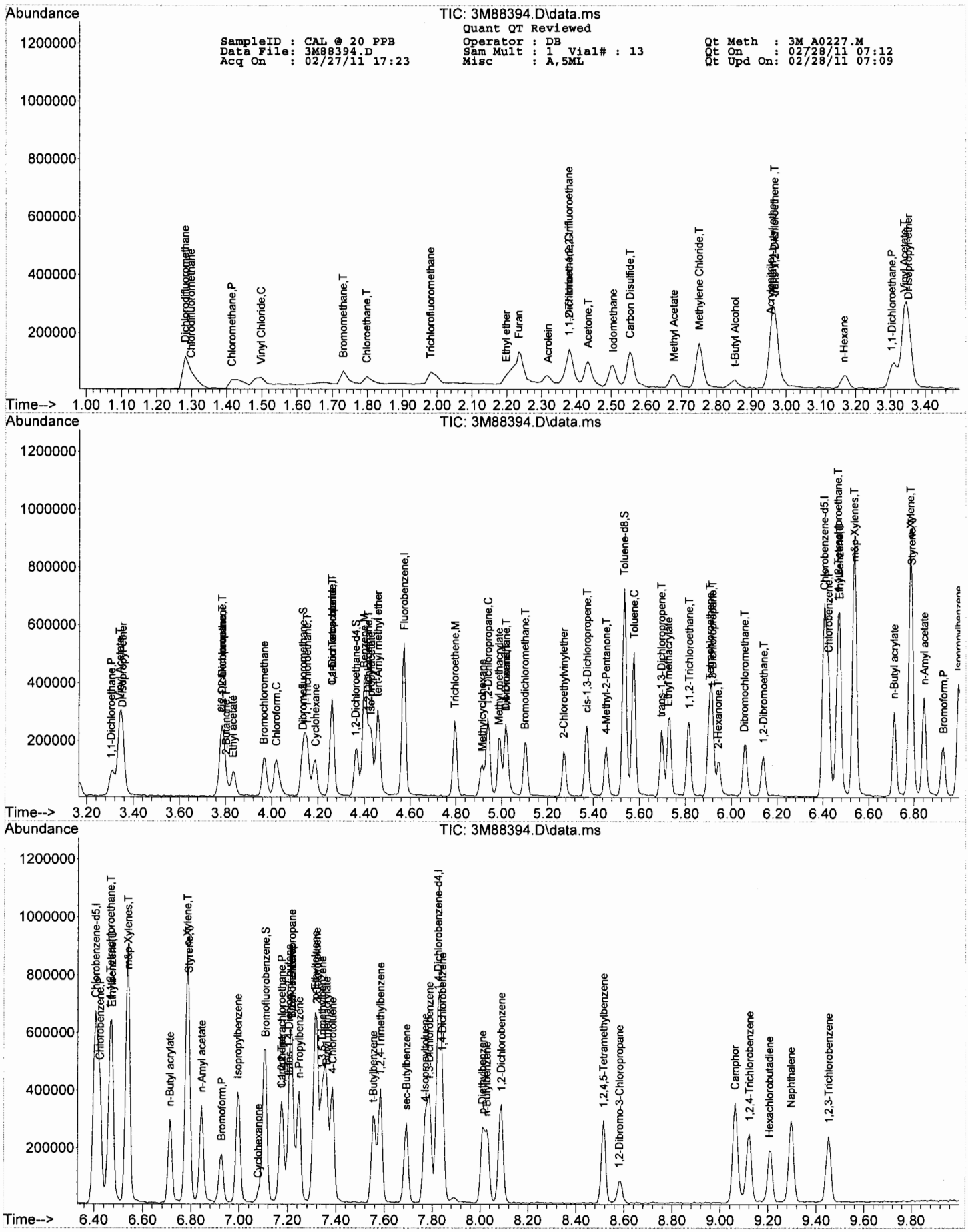
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88394.D Sam Mult : 1 Vial# : 13 Qt On : 02/28/11 07:12
Acq On : 02/27/11 17:23 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.423	112	157678	15.12 ug/l	100
70)	n-Butyl acrylate	6.711	55	131846	14.52 ug/l	97
71)	n-Amyl acetate	6.844	43	149145	17.35 ug/l	92
72)	Bromoform	6.928	173	61285	16.86 ug/l	92
73)	Ethylbenzene	6.471	106	58784	13.26 ug/l	82
74)	1,1,2,2-Tetrachloroethane	7.174	83	89444	17.57 ug/l	95
76)	Styrene	6.790	104	165538	14.57 ug/l	85
77)	m&p-Xylenes	6.537	106	174635	27.70 ug/l	91
78)	o-Xylene	6.784	106	91068	14.19 ug/l	76
79)	trans-1,4-Dichloro-2-b...	7.204	53	29757	23.03 ug/l	84
80)	1,3-Dichlorobenzene	7.787	146	123173	13.98 ug/l	83
81)	1,4-Dichlorobenzene	7.841	146	124854	13.84 ug/l	94
82)	1,2-Dichlorobenzene	8.087	146	121279	14.21 ug/l	87
83)	Isopropylbenzene	6.994	105	191087	12.69 ug/l	94
84)	Cyclohexanone	7.078	55	14289	75.59 ug/l	95
85)	Camphene	7.174	93	31771	8.15 ug/l	99
86)	1,2,3-Trichloropropane	7.216	75	96621	15.96 ug/l	92
87)	2-Chlorotoluene	7.318	91	143078	13.30 ug/l	95
88)	p-Ethyltoluene	7.312	105	221362	13.19 ug/l	79
89)	4-Chlorotoluene	7.384	91	145030	14.97 ug/l	91
90)	n-Propylbenzene	7.246	91	221916	11.84 ug/l	95
91)	Bromobenzene	7.216	77	156994	17.22 ug/l	87
92)	1,3,5-Trimethylbenzene	7.342	105	143051	11.23 ug/l	80
93)	Butyl methacrylate	7.360	41	109439	15.47 ug/l	53
94)	t-Butylbenzene	7.553	119	131630	11.07 ug/l	79
95)	1,2,4-Trimethylbenzene	7.583	105	171254	13.06 ug/l	90
96)	sec-Butylbenzene	7.691	105	146270	10.01 ug/l	97
97)	4-Isopropyltoluene	7.769	119	120060	10.28 ug/l	89
98)	n-Butylbenzene	8.027	91	124812	9.93 ug/l	94
99)	p-Diethylbenzene	8.009	119	66697	10.03 ug/l	92
100)	1,2,4,5-Tetramethylben...	8.514	119	121470	11.42 ug/l	92
101)	1,2-Dibromo-3-Chloropr...	8.580	157	20650	18.49 ug/l	54
102)	Camphor	9.061	95	76278	205.71 ug/l	88
103)	Hexachlorobutadiene	9.205	225	40520	10.96 ug/l	96
104)	1,2,4-Trichlorobenzene	9.121	180	75680	12.85 ug/l	95
105)	1,2,3-Trichlorobenzene	9.452	180	72589	13.50 ug/l	95
106)	Naphthalene	9.295	128	199250	18.64 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M88394.D
Acq On : 02/27/11 17:23
Operator : DB
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02728/11 07:12
Qt Upd On: 02/28/11 07:09
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Abundance
TIC: 3M88394.D\data.ms
Time-->
1,1-Dichloroethane,P
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane,C
Methyl methacrylate
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
Styrene,T
o-Xylene,T
n-Amyl acetate
Bromoform,P
Abundance
TIC: 3M88394.D\data.ms
Time-->
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88389.D Sam Mult : 1 Vial# : 8 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:00 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.572	96	279108	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.405	117	231779	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.829	152	141570	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.133	111	82131	35.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.30%			
38) 1,2-Dichloroethane-d4	4.367	67	49136	33.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.73%			
65) Toluene-d8	5.533	98	295334	28.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.07%			
75) Bromofluorobenzene	7.108	174	129119	29.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.298	51	28482	3.72	ug/l	93
6) Dichlorodifluoromethane	1.282	85	15579	4.94	ug/l	88
7) Chloromethane	1.415	50	12939	3.51	ug/l	74
8) Bromomethane	1.732	94	4836	2.96	ug/l	55
9) Vinyl Chloride	1.482	62	7752	2.90	ug/l	99
10) Chloroethane	1.799	64	4841	3.14	ug/l	100
11) Trichlorofluoromethane	1.982	101	9766	3.54	ug/l	83
12) Ethyl ether	2.199	59	6033	1.88	ug/l	93
13) Furan	2.234	39	19008	2.10	ug/l	90
14) 1,1,2-Trichloro-1,2,2-...	2.366	101	5551	3.39	ug/l	91
15) Methylene Chloride	2.751	84	10349	3.04	ug/l	85
16) Acrolein	2.318	56	3700	9.53	ug/l	71
17) Acrylonitrile	2.955	53	4849	3.94	ug/l	98
18) Iodomethane	2.505	142	14138	2.90	ug/l	98
19) Acetone	2.433	43	21521	20.38	ug/l	91
20) Carbon Disulfide	2.553	76	26858	2.85	ug/l	100
21) t-Butyl Alcohol	2.847	59	3822	14.51	ug/l	82
22) n-Hexane	3.172	57	3048m	1.44	ug/l	
23) Di-isopropyl-ether	3.346	45	29836	2.45	ug/l	83
24) 1,1-Dichloroethene	2.378	61	15185	3.10	ug/l	86
25) Methyl Acetate	2.679	43	11560	3.92	ug/l	100
26) Methyl-t-butyl ether	2.967	73	16989	2.44	ug/l	78
27) 1,1-Dichloroethane	3.310	63	17157	2.75	ug/l	94
28) trans-1,2-Dichloroethene	2.961	96	7529	2.53	ug/l	92
29) cis-1,2-Dichloroethene	3.785	61	15262	3.06	ug/l	94
30) Bromochloromethane	3.971	49	10630	3.22	ug/l	76
31) 2,2-Dichloropropane	3.785	77	9814	3.57	ug/l	92
32) Ethyl acetate	3.833	43	12466	3.45	ug/l	94
33) 1,4-Dioxane	5.022	88	6093	177.15	ug/l	63
34) 1,1-Dichloropropene	4.259	75	12096	2.98	ug/l	95
35) Chloroform	4.019	83	17515	3.57	ug/l	82
37) Cyclohexane	4.187	56	8092	2.18	ug/l	84
39) 1,2-Dichloroethane	4.416	62	17127	3.80	ug/l	82
40) 2-Butanone	3.809	43	6116	4.20	ug/l	82
41) 1,1,1-Trichloroethane	4.151	97	14177	3.82	ug/l	95
42) Carbon Tetrachloride	4.265	117	11551	4.05	ug/l	91
43) Vinyl Acetate	3.346	43	32242	2.79	ug/l	100
44) Bromodichloromethane	5.101	83	16212	3.58	ug/l	66
45) Methylcyclohexane	4.914	83	6484	2.18	ug/l	89
46) Dibromomethane	5.022	174	11923	4.21	ug/l	84
47) 1,2-Dichloropropane	4.938	63	13202	3.33	ug/l	94
48) Trichloroethene	4.794	130	11087	3.28	ug/l	90
49) Benzene	4.404	78	41810	3.32	ug/l	100
50) tert-Amyl methyl ether	4.458	73	20922	2.63	ug/l	93
52) Iso-propylacetate	4.428	43	22897	3.28	ug/l	82
53) Methyl methacrylate	4.992	41	12545	3.19	ug/l	96
54) Dibromochloromethane	6.062	129	13721	3.57	ug/l	96
55) 2-Chloroethylvinylether	5.275	63	6442	2.61	ug/l	71
56) cis-1,3-Dichloropropene	5.371	75	14030	2.43	ug/l	98
57) trans-1,3-Dichloropropene	5.702	75	12072	2.34	ug/l	83
58) Ethyl methacrylate	5.732	41	10507	2.47	ug/l	72
59) 1,1,2-Trichloroethane	5.816	97	11714	3.64	ug/l	85
60) 1,2-Dibromoethane	6.140	107	13919	3.85	ug/l	94
61) 1,3-Dichloropropane	5.918	76	19140	3.26	ug/l	86
62) 4-Methyl-2-Pentanone	5.455	43	16752	3.85	ug/l	89
63) 2-Hexanone	5.948	43	10844	3.52	ug/l	84
64) Tetrachloroethene	5.906	164	9771	3.22	ug/l	74
66) Toluene	5.575	92	29043	3.36	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.465	133	10854	3.47	ug/l	72

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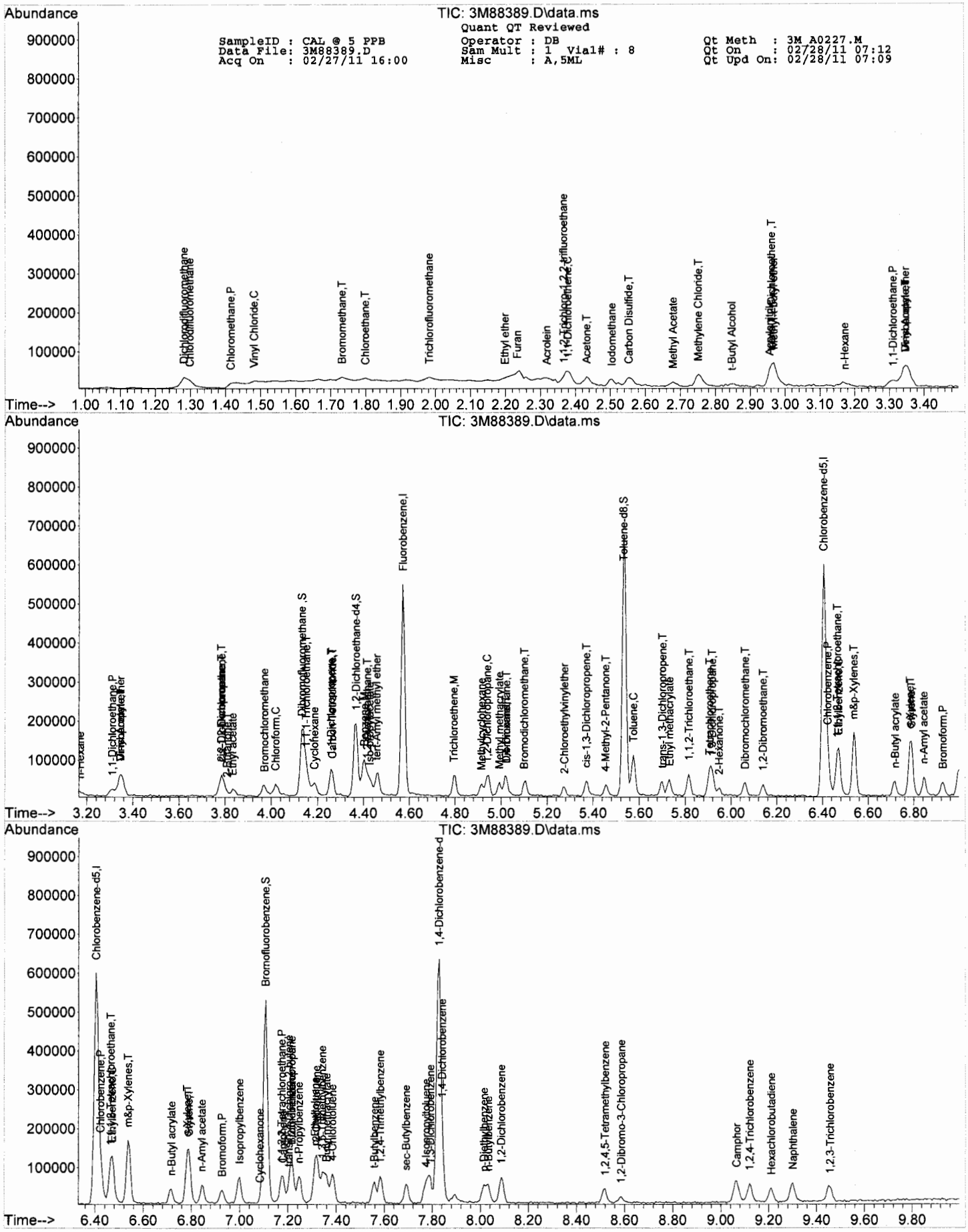
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88389.D Sam Mult : 1 Vial# : 8 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:00 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.423	112	30270	3.08	ug/l	97
70)	n-Butyl acrylate	6.717	55	17632	2.11	ug/l	96
71)	n-Amyl acetate	6.843	43	19528	2.46	ug/l	86
72)	Bromoform	6.927	173	11949	3.56	ug/l	98
73)	Ethylbenzene	6.471	106	10669	2.61	ug/l	86
74)	1,1,2,2-Tetrachloroethane	7.174	83	18350	3.91	ug/l	81
76)	Styrene	6.789	104	28949	2.76	ug/l	84
77)	m&p-Xylenes	6.537	106	31241	5.37	ug/l	80
78)	o-Xylene	6.783	106	16361	2.76	ug/l	78
79)	trans-1,4-Dichloro-2-b...	7.204	53	5806	4.87	ug/l	99
80)	1,3-Dichlorobenzene	7.793	146	22732	2.80	ug/l	83
81)	1,4-Dichlorobenzene	7.841	146	24615	2.96	ug/l	94
82)	1,2-Dichlorobenzene	8.087	146	24508	3.11	ug/l	83
83)	Isopropylbenzene	6.999	105	31829	2.29	ug/l	94
84)	Cyclohexanone	7.084	55	3984	22.85	ug/l	88
85)	Camphene	7.180	93	6307	1.75	ug/l	91
86)	1,2,3-Trichloropropane	7.216	75	17381	3.11	ug/l	90
87)	2-Chlorotoluene	7.318	91	25888	2.61	ug/l	92
88)	p-Ethyltoluene	7.312	105	38852	2.51	ug/l	84
89)	4-Chlorotoluene	7.384	91	25784	2.88	ug/l	90
90)	n-Propylbenzene	7.246	91	42485	2.46	ug/l	100
91)	Bromobenzene	7.216	77	30636	3.64	ug/l	92
92)	1,3,5-Trimethylbenzene	7.342	105	29479	2.51	ug/l	95
93)	Butyl methacrylate	7.360	41	16530	2.53	ug/l	62
94)	t-Butylbenzene	7.558	119	21515	1.96	ug/l	85
95)	1,2,4-Trimethylbenzene	7.582	105	30582	2.53	ug/l	95
96)	sec-Butylbenzene	7.691	105	26846	1.99	ug/l	100
97)	4-Isopropyltoluene	7.775	119	20349	1.89	ug/l	90
98)	n-Butylbenzene	8.033	91	22731	1.96	ug/l	91
99)	p-Diethylbenzene	8.015	119	11452	1.87	ug/l	89
100)	1,2,4,5-Tetramethylben...	8.520	119	16711	1.70	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.586	157	4260	4.14	ug/l	53
102)	Camphor	9.067	95	11473	33.54	ug/l	96
103)	Hexachlorobutadiene	9.211	225	7671	2.25	ug/l	92
104)	1,2,4-Trichlorobenzene	9.121	180	13648	2.51	ug/l	96
105)	1,2,3-Trichlorobenzene	9.457	180	13575	2.74	ug/l	94
106)	Naphthalene	9.301	128	32938	3.34	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 3M88389.D
Acq On : 02/27/11 16:00
Operator : DB
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 07:12
Qt Upd On: 02/28/11 07:09
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88395.D Sam Mult : 1 Vial# : 14 Qt On : 02/28/11 07:13
Acq On : 02/27/11 17:40 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.572	96	287178	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.405	117	241646	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.823	152	153387	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	74678	31.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.53%			
38) 1,2-Dichloroethane-d4	4.362	67	46793	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.40%			
65) Toluene-d8	5.534	98	304504	28.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.00%			
75) Bromofluorobenzene	7.108	174	134443	28.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.57%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.292	51	51875	6.58	ug/l	85
6) Dichlorodifluoromethane	1.275	85	25721	7.93	ug/l	82
7) Chloromethane	1.408	50	28845	7.61	ug/l	73
8) Bromomethane	1.742	94	10794	6.42	ug/l	79
9) Vinyl Chloride	1.492	62	20940	7.60	ug/l	90
10) Chloroethane	1.809	64	8381	5.28	ug/l	81
11) Trichlorofluoromethane	1.992	101	19798	6.98	ug/l	93
12) Ethyl ether	2.192	59	7825	2.37	ug/l	82
13) Furan	2.235	39	51180	5.50	ug/l	83
14) 1,1,2-Trichloro-1,2,2-...	2.373	101	6334	3.76	ug/l	75
15) Methylene Chloride	2.752	84	25405	7.25	ug/l	91
16) Acrolein	2.313	56	9022	22.58	ug/l	87
17) Acrylonitrile	2.956	53	10279	8.12	ug/l	96
18) Iodomethane	2.505	142	36181	7.22	ug/l	99
19) Acetone	2.433	43	49404	45.47	ug/l	90
20) Carbon Disulfide	2.553	76	69486	7.17	ug/l	100
21) t-Butyl Alcohol	2.854	59	8065	29.75	ug/l	83
22) n-Hexane	3.166	57	8977	4.12	ug/l	77
23) Di-isopropyl-ether	3.347	45	83517	6.66	ug/l	85
24) 1,1-Dichloroethene	2.379	61	27899	5.53	ug/l	96
25) Methyl Acetate	2.674	43	27453	9.05	ug/l	100
26) Methyl-t-butyl ether	2.968	73	47257	6.61	ug/l	76
27) 1,1-Dichloroethane	3.311	63	42463	6.62	ug/l	97
28) trans-1,2-Dichloroethene	2.968	96	21022	6.87	ug/l	98
29) cis-1,2-Dichloroethene	3.785	61	37947	7.40	ug/l	84
30) Bromochloromethane	3.966	49	25835	7.60	ug/l	76
31) 2,2-Dichloropropane	3.785	77	21180	7.48	ug/l	97
32) Ethyl acetate	3.833	43	33239	8.94	ug/l	95
33) 1,4-Dioxane	5.023	88	19253	544.04	ug/l	94
34) 1,1-Dichloropropene	4.260	75	31136	7.46	ug/l	94
35) Chloroform	4.020	83	43227	8.57	ug/l	72
37) Cyclohexane	4.188	56	19948	5.22	ug/l	93
39) 1,2-Dichloroethane	4.416	62	41840	9.02	ug/l	91
40) 2-Butanone	3.803	43	16354	10.92	ug/l	89
41) 1,1,1-Trichloroethane	4.152	97	33434	8.76	ug/l	94
42) Carbon Tetrachloride	4.260	117	28159	9.59	ug/l	77
43) Vinyl Acetate	3.347	43	85869	7.22	ug/l	100
44) Bromodichloromethane	5.101	83	40154	8.61	ug/l	97
45) Methylcyclohexane	4.915	83	15548	5.09	ug/l	93
46) Dibromomethane	5.017	174	27079	9.30	ug/l	90
47) 1,2-Dichloropropane	4.939	63	32611	7.99	ug/l	97
48) Trichloroethene	4.795	130	28540	8.20	ug/l	88
49) Benzene	4.398	78	105040	8.10	ug/l	100
50) tert-Amyl methyl ether	4.458	73	51721	6.33	ug/l	97
52) Iso-propylacetate	4.428	43	63563	8.73	ug/l	86
53) Methyl methacrylate	4.987	41	39475	9.63	ug/l	98
54) Dibromochloromethane	6.057	129	35118	8.77	ug/l	96
55) 2-Chloroethylvinylether	5.270	63	18568	7.22	ug/l	82
56) cis-1,3-Dichloropropene	5.372	75	39663	6.60	ug/l	92
57) trans-1,3-Dichloropropene	5.696	75	35658	6.63	ug/l	91
58) Ethyl methacrylate	5.726	41	36064	8.13	ug/l	74
59) 1,1,2-Trichloroethane	5.816	97	29402	8.77	ug/l	86
60) 1,2-Dibromoethane	6.141	107	33891	8.98	ug/l	93
61) 1,3-Dichloropropane	5.918	76	51505	8.42	ug/l	88
62) 4-Methyl-2-Pentanone	5.456	43	40652	8.95	ug/l	93
63) 2-Hexanone	5.943	43	31894	9.92	ug/l	93
64) Tetrachloroethene	5.900	164	23038	7.28	ug/l	91
66) Toluene	5.576	92	69053	7.66	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.465	133	25537	7.83	ug/l	64

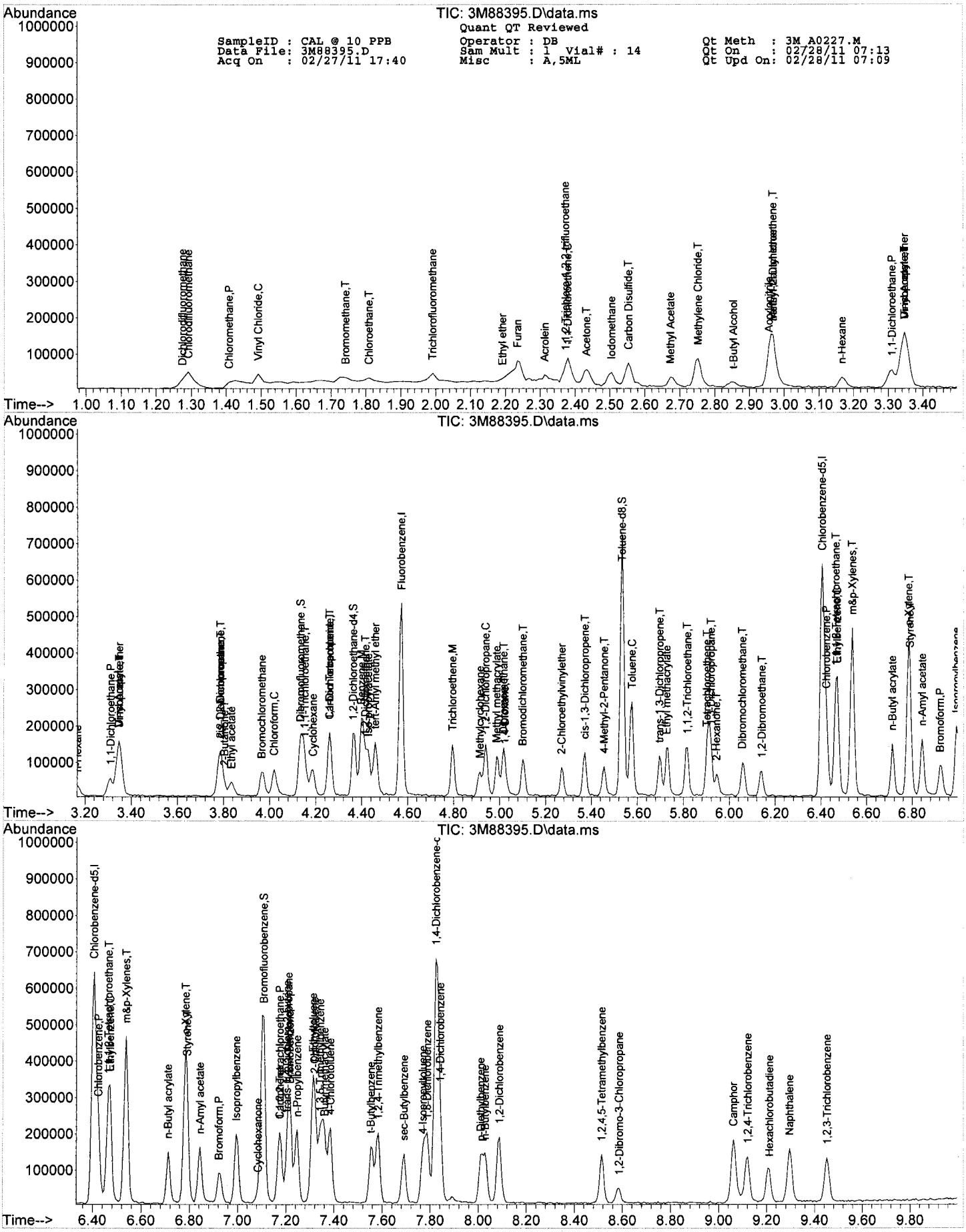
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88395.D Sam Mult : 1 Vial# : 14 Qt On : 02/28/11 07:13
Acq On : 02/27/11 17:40 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.423	112	83392	8.15 ug/l	90
70) n-Butyl acrylate	6.712	55	66191	7.29 ug/l	96
71) n-Amyl acetate	6.844	43	67183	7.82 ug/l	90
72) Bromoform	6.922	173	30427	8.37 ug/l	97
73) Ethylbenzene	6.471	106	31760	7.17 ug/l	81
74) 1,1,2,2-Tetrachloroethane	7.174	83	47615	9.36 ug/l	88
76) Styrene	6.790	104	82474	7.26 ug/l	90
77) m&p-Xylenes	6.537	106	88914	14.11 ug/l	98
78) o-Xylene	6.784	106	46902	7.31 ug/l	80
79) trans-1,4-Dichloro-2-b...	7.204	53	13606	10.54 ug/l	77
80) 1,3-Dichlorobenzene	7.787	146	62678	7.12 ug/l	84
81) 1,4-Dichlorobenzene	7.841	146	67019	7.43 ug/l	94
82) 1,2-Dichlorobenzene	8.088	146	64750	7.59 ug/l	86
83) Isopropylbenzene	6.994	105	91638	6.09 ug/l	93
84) Cyclohexanone	7.084	55	8329	44.08 ug/l	91
85) Camphene	7.174	93	18845	4.84 ug/l	96
86) 1,2,3-Trichloropropane	7.210	75	50716	8.38 ug/l	92
87) 2-Chlorotoluene	7.319	91	76994	7.16 ug/l	93
88) p-Ethyltoluene	7.313	105	107509	6.41 ug/l	84
89) 4-Chlorotoluene	7.385	91	73984	7.64 ug/l	89
90) n-Propylbenzene	7.247	91	113612	6.07 ug/l	95
91) Bromobenzene	7.216	77	75465	8.28 ug/l	85
92) 1,3,5-Trimethylbenzene	7.343	105	83961	6.59 ug/l	90
93) Butyl methacrylate	7.361	41	55613	7.87 ug/l	66
94) t-Butylbenzene	7.553	119	67081	5.64 ug/l	79
95) 1,2,4-Trimethylbenzene	7.583	105	85528	6.52 ug/l	90
96) sec-Butylbenzene	7.691	105	72361	4.96 ug/l	99
97) 4-Isopropyltoluene	7.769	119	57055	4.89 ug/l	92
98) n-Butylbenzene	8.028	91	65122	5.18 ug/l	94
99) p-Diethylbenzene	8.010	119	31884	4.80 ug/l	94
100) 1,2,4,5-Tetramethylben...	8.514	119	57565	5.41 ug/l	87
101) 1,2-Dibromo-3-Chloropr...	8.587	157	9980	8.94 ug/l	72
102) Camphor	9.061	95	37285	100.61 ug/l	93
103) Hexachlorobutadiene	9.211	225	20551	5.56 ug/l	92
104) 1,2,4-Trichlorobenzene	9.121	180	38827	6.59 ug/l	93
105) 1,2,3-Trichlorobenzene	9.452	180	38758	7.21 ug/l	95
106) Naphthalene	9.296	128	100241	9.38 ug/l	100

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


Abundance
TIC: 3M88395.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 3M88395.D
Acq On : 02/27/11 17:40
Operator : DB
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 07:13
Qt Upd On: 02/28/11 07:09
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88393.D Sam Mult : 1 Vial# : 12 Qt On : 02/28/11 07:12
Acq On : 02/27/11 17:07 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.571	96	274720	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.404	117	243715	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.828	152	147545	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.133	111	73818	32.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.03%			
38) 1,2-Dichloroethane-d4	4.367	67	46282	32.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.90%			
65) Toluene-d8	5.533	98	301432	27.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.27%			
75) Bromofluorobenzene	7.107	174	134766	29.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.50%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.293	51	224385	29.74	ug/l	99
6) Dichlorodifluoromethane	1.276	85	136714	44.03	ug/l	84
7) Chloromethane	1.410	50	122929	33.89	ug/l	84
8) Bromomethane	1.726	94	52939	32.90	ug/l	89
9) Vinyl Chloride	1.493	62	90780	34.45	ug/l	91
10) Chloroethane	1.810	64	42404	27.93	ug/l	97
11) Trichlorofluoromethane	1.993	101	95410	35.15	ug/l	84
12) Ethyl ether	2.193	59	39612	12.55	ug/l	100
13) Furan	2.234	39	215147	24.17	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.378	101	39087	24.25	ug/l	94
15) Methylene Chloride	2.750	84	114805	34.24	ug/l	88
16) Acrolein	2.318	56	49352	129.13	ug/l	87
17) Acrylonitrile	2.955	53	51026	42.11	ug/l	90
18) Iodomethane	2.504	142	173770	36.24	ug/l	94
19) Acetone	2.432	43	227168	218.55	ug/l	89
20) Carbon Disulfide	2.552	76	314790	33.97	ug/l	100
21) t-Butyl Alcohol	2.847	59	44507	171.62	ug/l	82
22) n-Hexane	3.165	57	44306	21.28	ug/l	79
23) Di-isopropyl-ether	3.351	45	421516	35.14	ug/l	88
24) 1,1-Dichloroethene	2.378	61	149758	31.02	ug/l	96
25) Methyl Acetate	2.678	43	130287	44.92	ug/l	100
26) Methyl-t-butyl ether	2.967	73	229155	33.49	ug/l	75
27) 1,1-Dichloroethane	3.309	63	210400	34.29	ug/l	98
28) trans-1,2-Dichloroethene	2.967	96	100104	34.22	ug/l	93
29) cis-1,2-Dichloroethene	3.784	61	184351	37.58	ug/l	87
30) Bromochloromethane	3.964	49	126096	38.79	ug/l	77
31) 2,2-Dichloropropane	3.784	77	107399	39.67	ug/l	92
32) Ethyl acetate	3.838	43	183257	51.53	ug/l	99
33) 1,4-Dioxane	5.022	88	83237	2458.70	ug/l	79
34) 1,1-Dichloropropene	4.259	75	156831	39.31	ug/l	96
35) Chloroform	4.018	83	200888	41.65	ug/l	88
37) Cyclohexane	4.187	56	116890	31.96	ug/l	88
39) 1,2-Dichloroethane	4.415	62	187890	42.36	ug/l	96
40) 2-Butanone	3.802	43	79504	55.48	ug/l	95
41) 1,1,1-Trichloroethane	4.151	97	159950	43.80	ug/l	100
42) Carbon Tetrachloride	4.265	117	130138	46.33	ug/l	96
43) Vinyl Acetate	3.339	43	489270	43.02	ug/l	100
44) Bromodichloromethane	5.106	83	195463	43.80	ug/l	95
45) Methylcyclohexane	4.914	83	80684	27.61	ug/l	96
46) Dibromomethane	5.016	174	124966	44.88	ug/l	91
47) 1,2-Dichloropropane	4.938	63	156984	40.22	ug/l	93
48) Trichloroethene	4.800	130	133295	40.01	ug/l	92
49) Benzene	4.403	78	488351	39.37	ug/l	100
50) tert-Amyl methyl ether	4.463	73	272893	34.90	ug/l	90
52) Iso-propylacetate	4.427	43	360888	49.13	ug/l	89
53) Methyl methacrylate	4.992	41	192913	46.65	ug/l	94
54) Dibromochloromethane	6.061	129	177746	44.02	ug/l	93
55) 2-Chloroethylvinylether	5.274	63	108480	41.80	ug/l	85
56) cis-1,3-Dichloropropene	5.370	75	222200	36.64	ug/l	94
57) trans-1,3-Dichloropropene	5.701	75	205173	37.84	ug/l	98
58) Ethyl methacrylate	5.731	41	211508	47.28	ug/l	84
59) 1,1,2-Trichloroethane	5.815	97	141285	41.78	ug/l	88
60) 1,2-Dibromoethane	6.140	107	165461	43.48	ug/l	85
61) 1,3-Dichloropropane	5.917	76	248861	40.33	ug/l	97
62) 4-Methyl-2-Pentanone	5.455	43	221939	48.47	ug/l	99
63) 2-Hexanone	5.947	43	165710	51.12	ug/l	93
64) Tetrachloroethene	5.905	164	109935	34.42	ug/l	94
66) Toluene	5.575	92	326985	35.98	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.464	133	129093	39.22	ug/l	69

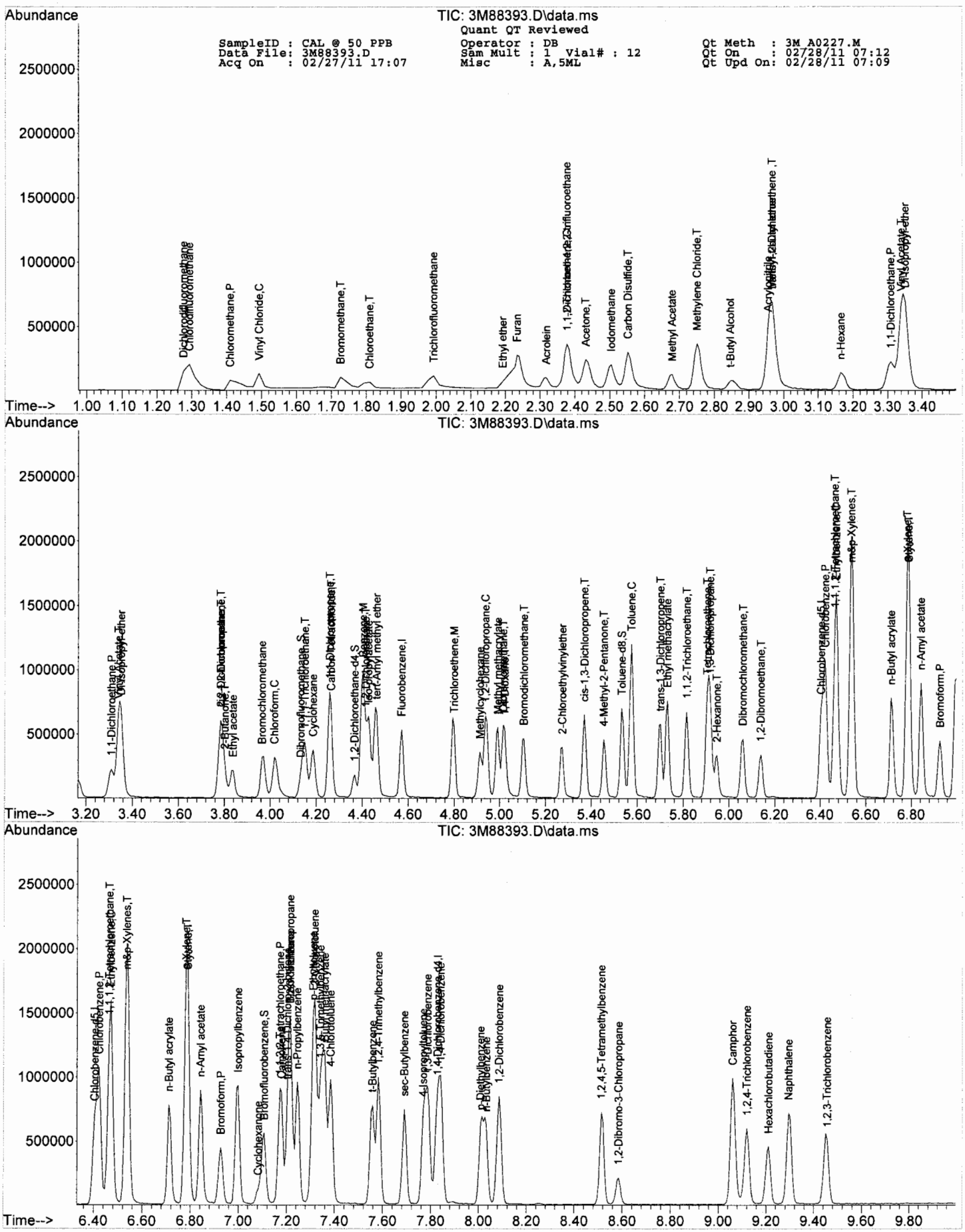
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88393.D Sam Mult : 1 Vial# : 12 Qt On : 02/28/11 07:12
Acq On : 02/27/11 17:07 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.422	112	379943	36.80	ug/l	95
70)	n-Butyl acrylate	6.710	55	369388	42.32	ug/l	97
71)	n-Amyl acetate	6.843	43	390531	47.26	ug/l	90
72)	Bromoform	6.927	173	159964	45.76	ug/l	93
73)	Ethylbenzene	6.470	106	136160	31.95	ug/l	91
74)	1,1,2,2-Tetrachloroethane	7.173	83	224645	45.89	ug/l	89
76)	Styrene	6.789	104	405935	37.15	ug/l	88
77)	m&p-Xylenes	6.536	106	414553	68.40	ug/l	88
78)	o-Xylene	6.783	106	215894	34.99	ug/l	86
79)	trans-1,4-Dichloro-2-b...	7.203	53	74711	60.14	ug/l	76
80)	1,3-Dichlorobenzene	7.786	146	290746	34.32	ug/l	84
81)	1,4-Dichlorobenzene	7.840	146	308347	35.54	ug/l	90
82)	1,2-Dichlorobenzene	8.087	146	303740	37.02	ug/l	86
83)	Isopropylbenzene	6.999	105	479078	33.08	ug/l	92
84)	Cyclohexanone	7.083	55	38697	212.93	ug/l	97
85)	Camphene	7.179	93	90429	24.13	ug/l	98
86)	1,2,3-Trichloropropane	7.215	75	245310	42.14	ug/l	90
87)	2-Chlorotoluene	7.317	91	324898	31.42	ug/l	92
88)	p-Ethyltoluene	7.311	105	545152	33.78	ug/l	83
89)	4-Chlorotoluene	7.383	91	338832	36.38	ug/l	88
90)	n-Propylbenzene	7.245	91	566380	31.44	ug/l	98
91)	Bromobenzene	7.215	77	367985	41.99	ug/l	91
92)	1,3,5-Trimethylbenzene	7.341	105	376534	30.73	ug/l	91
93)	Butyl methacrylate	7.359	41	278820	41.00	ug/l	56
94)	t-Butylbenzene	7.558	119	334397	29.25	ug/l	81
95)	1,2,4-Trimethylbenzene	7.582	105	422366	33.50	ug/l	89
96)	sec-Butylbenzene	7.690	105	384708	27.40	ug/l	100
97)	4-Isopropyltoluene	7.768	119	312275	27.81	ug/l	89
98)	n-Butylbenzene	8.032	91	336459	27.84	ug/l	92
99)	p-Diethylbenzene	8.008	119	172078	26.93	ug/l	90
100)	1,2,4,5-Tetramethylben...	8.513	119	319448	31.23	ug/l	90
101)	1,2-Dibromo-3-Chloropr...	8.585	157	53660	49.98	ug/l	59
102)	Camphor	9.060	95	205197	575.60	ug/l	90
103)	Hexachlorobutadiene	9.210	225	97886	27.55	ug/l	96
104)	1,2,4-Trichlorobenzene	9.120	180	182732	32.26	ug/l	95
105)	1,2,3-Trichlorobenzene	9.457	180	172942	33.45	ug/l	92
106)	Naphthalene	9.294	128	512152	49.84	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 3M88393.D
Acq On : 02/27/11 17:07
Operator : DB
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 07:12
Qt Upd On: 02/28/11 07:09
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88392.D Sam Mult : 1 Vial# : 11 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:50 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.573	96	282479	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.405	117	245054	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.829	152	148424	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	76068	32.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.27%			
38) 1,2-Dichloroethane-d4	4.362	67	46537	31.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.53%			
65) Toluene-d8	5.534	98	308203	28.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.83%			
75) Bromofluorobenzene	7.108	174	138276	29.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.43%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.292	51	441956	56.97	ug/l	99
6) Dichlorodifluoromethane	1.276	85	269829	84.52	ug/l	86
7) Chloromethane	1.409	50	248748	66.70	ug/l	79
8) Bromomethane	1.726	94	104319	63.05	ug/l	83
9) Vinyl Chloride	1.492	62	190029	70.13	ug/l	98
10) Chloroethane	1.792	64	81594	52.27	ug/l	96
11) Trichlorofluoromethane	1.992	101	196953	70.57	ug/l	86
12) Ethyl ether	2.192	59	70525	21.72	ug/l	100
13) Furan	2.235	39	437356	47.79	ug/l	80
14) 1,1,2-Trichloro-1,2,2-...	2.373	101	90824	54.79	ug/l	96
15) Methylene Chloride	2.752	84	229153	66.47	ug/l	91
16) Acrolein	2.313	56	90114	229.31	ug/l	97
17) Acrylonitrile	2.956	53	96075	77.12	ug/l	93
18) Iodomethane	2.499	142	339335	68.83	ug/l	99
19) Acetone	2.433	43	438003	409.82	ug/l	93
20) Carbon Disulfide	2.553	76	637346	66.90	ug/l	100
21) t-Butyl Alcohol	2.854	59	91097	341.61	ug/l	93
22) n-Hexane	3.166	57	99153	46.32	ug/l	81
23) Di-isopropyl-ether	3.347	45	815660	66.14	ug/l	87
24) 1,1-Dichloroethene	2.379	61	316399	63.73	ug/l	95
25) Methyl Acetate	2.674	43	257175	86.23	ug/l	100
26) Methyl-t-butyl ether	2.968	73	453644	64.48	ug/l	75
27) 1,1-Dichloroethane	3.305	63	408229	64.70	ug/l	99
28) trans-1,2-Dichloroethene	2.968	96	188797	62.76	ug/l	91
29) cis-1,2-Dichloroethene	3.785	61	360052	71.38	ug/l	88
30) Bromochloromethane	3.966	49	248580	74.37	ug/l	72
31) 2,2-Dichloropropane	3.785	77	207820	74.65	ug/l	92
32) Ethyl acetate	3.833	43	346165	94.66	ug/l	100
33) 1,4-Dioxane	5.023	88	172154	4945.51	ug/l	83
34) 1,1-Dichloropropene	4.260	75	308785	75.26	ug/l	98
35) Chloroform	4.020	83	393090	79.26	ug/l	90
37) Cyclohexane	4.188	56	248311	66.03	ug/l	92
39) 1,2-Dichloroethane	4.416	62	362511	79.48	ug/l	97
40) 2-Butanone	3.797	43	159198	108.04	ug/l	93
41) 1,1,1-Trichloroethane	4.152	97	319556	85.10	ug/l	99
42) Carbon Tetrachloride	4.260	117	268529	92.98	ug/l	92
43) Vinyl Acetate	3.341	43	971023	83.04	ug/l	100
44) Bromodichloromethane	5.101	83	382450	83.34	ug/l	94
45) Methylcyclohexane	4.915	83	186999	62.23	ug/l	94
46) Dibromomethane	5.017	174	236926	82.75	ug/l	94
47) 1,2-Dichloropropane	4.939	63	304015	75.75	ug/l	100
48) Trichloroethene	4.795	130	261595	76.37	ug/l	93
49) Benzene	4.398	78	917945	71.96	ug/l	100
50) tert-Amyl methyl ether	4.458	73	542526	67.48	ug/l	91
52) Iso-propylacetate	4.428	43	658322	89.14	ug/l	86
53) Methyl methacrylate	4.987	41	380684	91.56	ug/l	94
54) Dibromochloromethane	6.063	129	350321	86.28	ug/l	100
55) 2-Chloroethylvinylether	5.270	63	215364	82.53	ug/l	78
56) cis-1,3-Dichloropropene	5.372	75	448032	73.47	ug/l	90
57) trans-1,3-Dichloropropene	5.696	75	419240	76.90	ug/l	97
58) Ethyl methacrylate	5.732	41	404765	89.98	ug/l	80
59) 1,1,2-Trichloroethane	5.816	97	280504	82.51	ug/l	87
60) 1,2-Dibromoethane	6.141	107	337563	88.22	ug/l	89
61) 1,3-Dichloropropane	5.919	76	475996	76.71	ug/l	97
62) 4-Methyl-2-Pentanone	5.456	43	454071	98.62	ug/l	95
63) 2-Hexanone	5.943	43	342224	105.00	ug/l	94
64) Tetrachloroethene	5.907	164	218877	68.16	ug/l	100
66) Toluene	5.576	92	635957	69.60	ug/l	92
67) 1,1,1,2-Tetrachloroethane	6.465	133	245868	74.29	ug/l	69

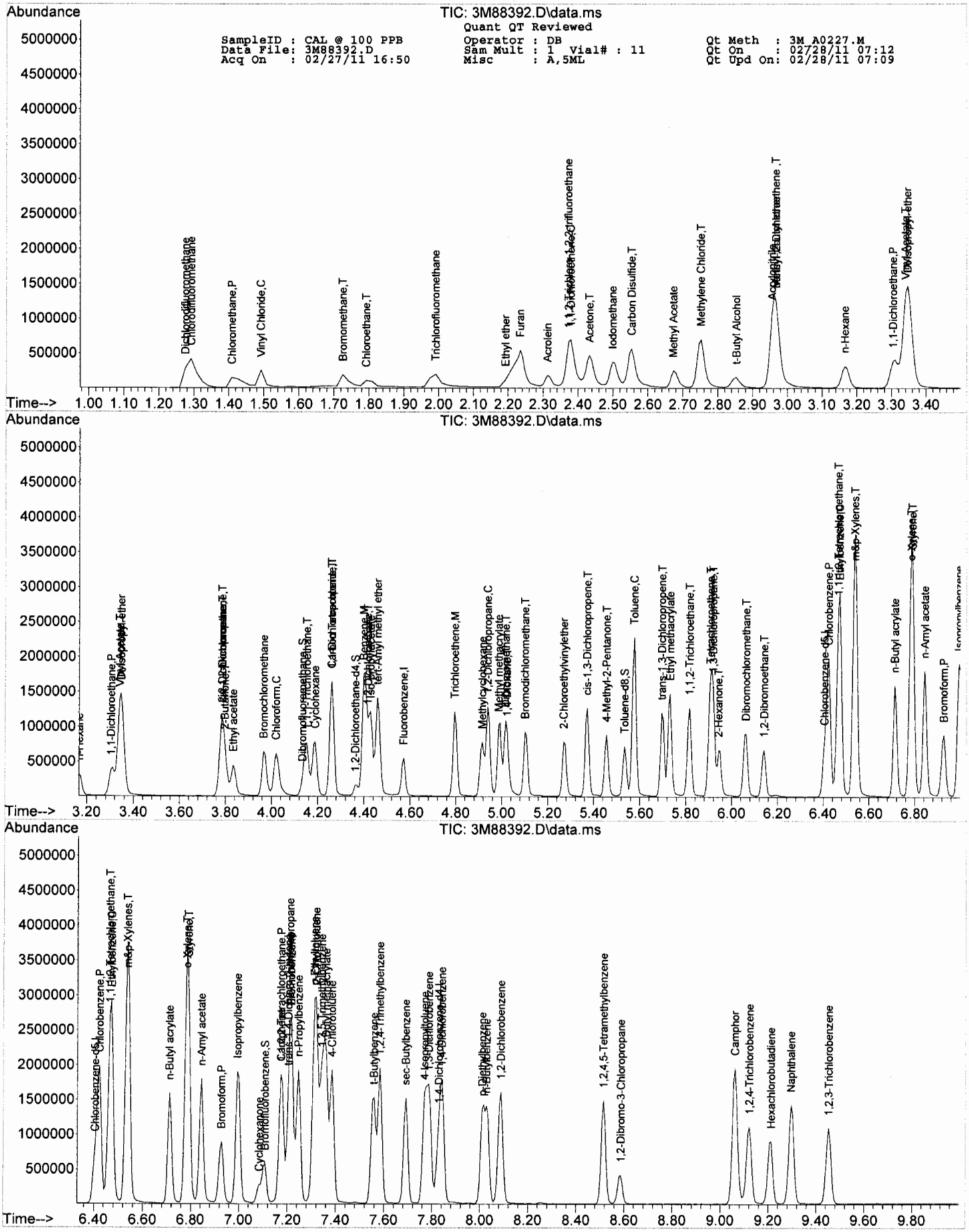
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88392.D Sam Mult : 1 Vial# : 11 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:50 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.423	112	744875	71.76 ug/l	98
70)	n-Butyl acrylate	6.712	55	762898	86.89 ug/l	97
71)	n-Amyl acetate	6.844	43	790705	95.12 ug/l	92
72)	Bromoform	6.928	173	318702	90.63 ug/l	96
73)	Ethylbenzene	6.471	106	256931	59.93 ug/l	93
74)	1,1,2,2-Tetrachloroethane	7.174	83	421669	85.62 ug/l	91
76)	Styrene	6.790	104	748116	68.07 ug/l	90
77)	m&p-Xylenes	6.537	106	783007	128.43 ug/l	95
78)	o-Xylene	6.784	106	407658	65.69 ug/l	76
79)	trans-1,4-Dichloro-2-b...	7.205	53	151671	121.37 ug/l	73
80)	1,3-Dichlorobenzene	7.787	146	555040	65.13 ug/l	85
81)	1,4-Dichlorobenzene	7.841	146	586804	67.24 ug/l	92
82)	1,2-Dichlorobenzene	8.088	146	585938	70.99 ug/l	87
83)	Isopropylbenzene	6.994	105	992277	68.12 ug/l	93
84)	Cyclohexanone	7.084	55	80931	442.68 ug/l	99
85)	Camphene	7.174	93	212089	56.26 ug/l	99
86)	1,2,3-Trichloropropane	7.210	75	469483	80.17 ug/l	88
87)	2-Chlorotoluene	7.319	91	593143	57.01 ug/l	94
88)	p-Ethyltoluene	7.313	105	1076292	66.30 ug/l	78
89)	4-Chlorotoluene	7.385	91	688478	73.48 ug/l	92
90)	n-Propylbenzene	7.247	91	1161692	64.10 ug/l	98
91)	Bromobenzene	7.217	77	687351	77.97 ug/l	88
92)	1,3,5-Trimethylbenzene	7.343	105	713011	57.86 ug/l	82
93)	Butyl methacrylate	7.361	41	548172	80.12 ug/l	56
94)	t-Butylbenzene	7.559	119	693245	60.27 ug/l	80
95)	1,2,4-Trimethylbenzene	7.583	105	837985	66.07 ug/l	88
96)	sec-Butylbenzene	7.691	105	833128	58.98 ug/l	99
97)	4-Isopropyltoluene	7.769	119	647968	57.37 ug/l	89
98)	n-Butylbenzene	8.028	91	702109	57.75 ug/l	93
99)	p-Diethylbenzene	8.010	119	362924	56.45 ug/l	92
100)	1,2,4,5-Tetramethylben...	8.514	119	667209	64.85 ug/l	90
101)	1,2-Dibromo-3-Chloropr...	8.587	157	107655	99.67 ug/l	58
102)	Camphor	9.061	95	418546	1167.12 ug/l	91
103)	Hexachlorobutadiene	9.212	225	203513	56.94 ug/l	96
104)	1,2,4-Trichlorobenzene	9.121	180	355256	62.35 ug/l	95
105)	1,2,3-Trichlorobenzene	9.452	180	346025	66.53 ug/l	94
106)	Naphthalene	9.296	128	1013473	98.04 ug/l	100

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


Abundance
TIC: 3M88392.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 3M88392.D
Acq On : 02/27/11 16:50
Operator : DB
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02728/11 07:12
Qt Upd On: 02/28/11 07:09
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88391.D Sam Mult : 1 Vial# : 10 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:34 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.572	96	288324	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.405	117	235329	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.829	152	137430	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.134	111	71723	30.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.00%			
38) 1,2-Dichloroethane-d4	4.368	67	44575	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.10%			
65) Toluene-d8	5.534	98	306404	29.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.17%			
75) Bromofluorobenzene	7.108	174	138942	32.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.292	51	1130540	142.78	ug/l	93
6) Dichlorodifluoromethane	1.275	85	741332	227.51	ug/l	84
7) Chloromethane	1.409	50	655572	172.21	ug/l	81
8) Bromomethane	1.725	94	147863	87.55	ug/l	87
9) Vinyl Chloride	1.492	62	465701	168.39	ug/l	96
10) Chloroethane	1.792	64	198201	124.40	ug/l	91
11) Trichlorofluoromethane	1.975	101	504949	177.26	ug/l	86
12) Ethyl ether	2.192	59	171439	51.74	ug/l	88
13) Furan	2.235	39	1013468	108.50	ug/l	81
14) 1,1,2-Trichloro-1,2,2-...	2.367	101	283990	167.85	ug/l	95
15) Methylene Chloride	2.751	84	564067	160.31	ug/l	85
16) Acrolein	2.313	56	264011	658.20	ug/l	100
17) Acrylonitrile	2.956	53	242349	190.59	ug/l	95
18) Iodomethane	2.499	142	823530	163.66	ug/l	98
19) Acetone	2.433	43	1126663	1032.79	ug/l	95
20) Carbon Disulfide	2.553	76	1588927	163.40	ug/l	100
21) t-Butyl Alcohol	2.854	59	254358	934.51	ug/l	80
22) n-Hexane	3.166	57	273303	125.08	ug/l	75
23) Di-isopropyl-ether	3.352	45	1977375	157.08	ug/l	88
24) 1,1-Dichloroethene	2.373	61	835938	164.96	ug/l	98
25) Methyl Acetate	2.673	43	690340	226.79	ug/l	100
26) Methyl-t-butyl ether	2.968	73	1096025	152.62	ug/l	73
27) 1,1-Dichloroethane	3.310	63	1024551	159.10	ug/l	100
28) trans-1,2-Dichloroethene	2.962	96	453459	147.68	ug/l	97
29) cis-1,2-Dichloroethene	3.785	61	859559	166.95	ug/l	83
30) Bromochloromethane	3.965	49	605680	177.53	ug/l	75
31) 2,2-Dichloropropane	3.785	77	502039	176.67	ug/l	92
32) Ethyl acetate	3.839	43	952157	255.09	ug/l	97
33) 1,4-Dioxane	5.023	88	407498	11468.98	ug/l	80
34) 1,1-Dichloropropene	4.260	75	701796	167.59	ug/l	99
35) Chloroform	4.019	83	987594	195.09	ug/l	88
37) Cyclohexane	4.188	56	639973	166.72	ug/l	89
39) 1,2-Dichloroethane	4.416	62	841931	180.84	ug/l	95
40) 2-Butanone	3.803	43	389295	258.84	ug/l	92
41) 1,1,1-Trichloroethane	4.152	97	804172	209.81	ug/l	99
42) Carbon Tetrachloride	4.260	117	650108	220.54	ug/l	94
43) Vinyl Acetate	3.340	43	2363021	197.98	ug/l	100
44) Bromodichloromethane	5.107	83	958750	204.68	ug/l	94
45) Methylcyclohexane	4.915	83	472763	154.15	ug/l	94
46) Dibromomethane	5.017	174	541959	185.44	ug/l	92
47) 1,2-Dichloropropane	4.939	63	721847	176.22	ug/l	94
48) Trichloroethene	4.795	130	633210	181.11	ug/l	97
49) Benzene	4.398	78	2142454	164.55	ug/l	100
50) tert-Amyl methyl ether	4.464	73	1298940	158.28	ug/l	87
52) Iso-propylacetate	4.428	43	1734387	244.55	ug/l	90
53) Methyl methacrylate	4.993	41	965565	241.82	ug/l	98
54) Dibromochloromethane	6.062	129	862687	221.24	ug/l	96
55) 2-Chloroethylvinylether	5.275	63	534766	213.39	ug/l	83
56) cis-1,3-Dichloropropene	5.371	75	1115260	190.45	ug/l	92
57) trans-1,3-Dichloropropene	5.696	75	1035886	197.85	ug/l	97
58) Ethyl methacrylate	5.732	41	980797	227.05	ug/l	83
59) 1,1,2-Trichloroethane	5.816	97	647964	198.46	ug/l	88
60) 1,2-Dibromoethane	6.141	107	812111	221.02	ug/l	92
61) 1,3-Dichloropropane	5.918	76	1080269	181.30	ug/l	99
62) 4-Methyl-2-Pentanone	5.456	43	1160081	262.37	ug/l	98
63) 2-Hexanone	5.948	43	856116	273.53	ug/l	93
64) Tetrachloroethene	5.906	164	476164	154.40	ug/l	98
66) Toluene	5.576	92	1440493	164.17	ug/l	99
67) 1,1,1,2-Tetrachloroethane	6.465	133	515920	162.34	ug/l	65

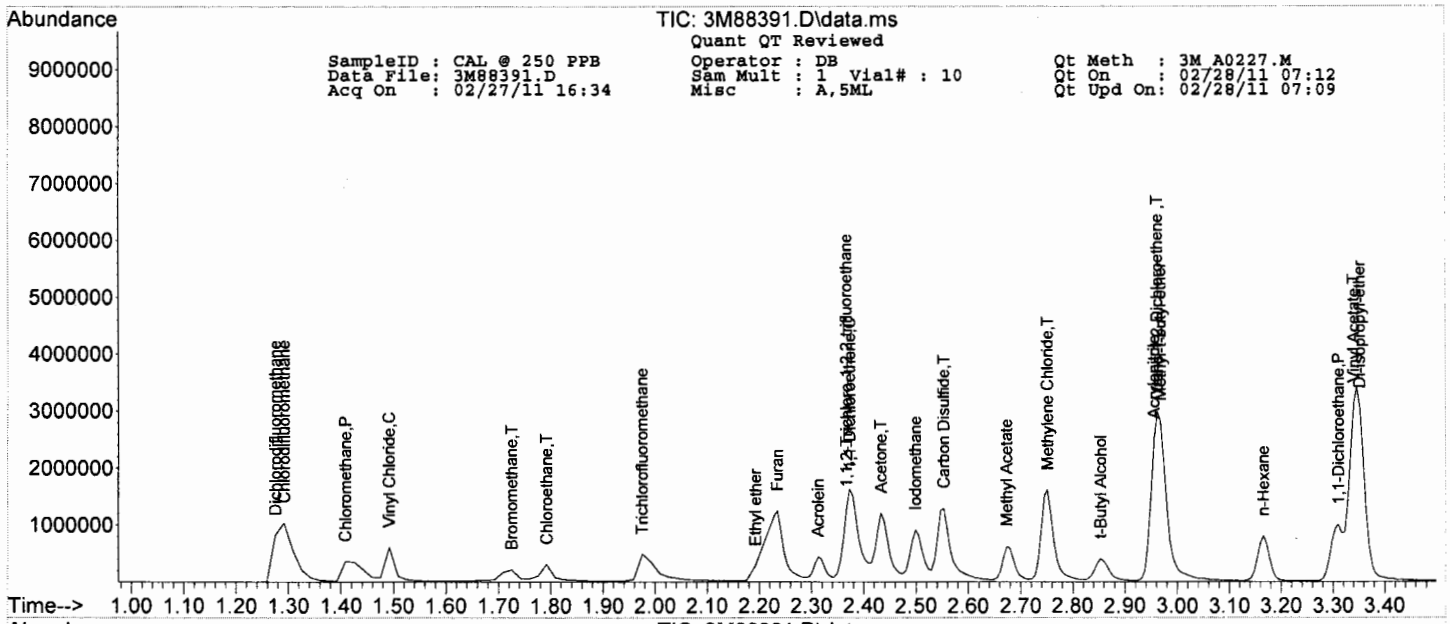
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88391.D Sam Mult : 1 Vial# : 10 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:34 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.423	112	1698909	170.42 ug/l	98
70)	n-Butyl acrylate	6.711	55	1798403	221.21 ug/l	97
71)	n-Amyl acetate	6.844	43	1890399	245.61 ug/l	92
72)	Bromoform	6.928	173	789972	242.62 ug/l	98
73)	Ethylbenzene	6.477	106	534037	134.54 ug/l	81
74)	1,1,2,2-Tetrachloroethane	7.174	83	949224	208.16 ug/l	91
76)	Styrene	6.790	104	1522305	149.59 ug/l	95
77)	m&p-Xylenes	6.543	106	1599453	283.33 ug/l	87
78)	o-Xylene	6.784	106	824252	143.44 ug/l	81
79)	trans-1,4-Dichloro-2-b...	7.204	53	347229	300.09 ug/l	72
80)	1,3-Dichlorobenzene	7.793	146	1192124	151.08 ug/l	87
81)	1,4-Dichlorobenzene	7.841	146	1313537	162.55 ug/l	91
82)	1,2-Dichlorobenzene	8.088	146	1279742	167.44 ug/l	87
83)	Isopropylbenzene	7.000	105	2268843	168.21 ug/l	93
84)	Cyclohexanone	7.084	55	209182	1235.71 ug/l	97
85)	Camphene	7.180	93	490667	140.56 ug/l	98
86)	1,2,3-Trichloropropane	7.216	75	1040237	191.84 ug/l	86
87)	2-Chlorotoluene	7.324	91	1303906	135.36 ug/l	94
88)	p-Ethyltoluene	7.312	105	2175685	144.74 ug/l	81
89)	4-Chlorotoluene	7.390	91	1388976	160.09 ug/l	90
90)	n-Propylbenzene	7.246	91	2612147	155.66 ug/l	97
91)	Bromobenzene	7.216	77	1587600	194.51 ug/l	90
92)	1,3,5-Trimethylbenzene	7.348	105	1597236	139.97 ug/l	91
93)	Butyl methacrylate	7.360	41	1235386	195.01 ug/l	58
94)	t-Butylbenzene	7.559	119	1574424	147.84 ug/l	82
95)	1,2,4-Trimethylbenzene	7.583	105	1913784	162.95 ug/l	90
96)	sec-Butylbenzene	7.691	105	1927997	147.40 ug/l	100
97)	4-Isopropyltoluene	7.769	119	1449496	138.61 ug/l	91
98)	n-Butylbenzene	8.033	91	1627330	144.57 ug/l	94
99)	p-Diethylbenzene	8.015	119	829607	139.37 ug/l	93
100)	1,2,4,5-Tetramethylben...	8.514	119	1539718	161.62 ug/l	93
101)	1,2-Dibromo-3-Chloropr...	8.586	157	272385	272.36 ug/l	59
102)	Camphor	9.061	95	963269	2900.96 ug/l	92
103)	Hexachlorobutadiene	9.211	225	435219	131.51 ug/l	95
104)	1,2,4-Trichlorobenzene	9.121	180	794544	150.61 ug/l	95
105)	1,2,3-Trichlorobenzene	9.452	180	790313	164.10 ug/l	96
106)	Naphthalene	9.295	128	2316034	241.96 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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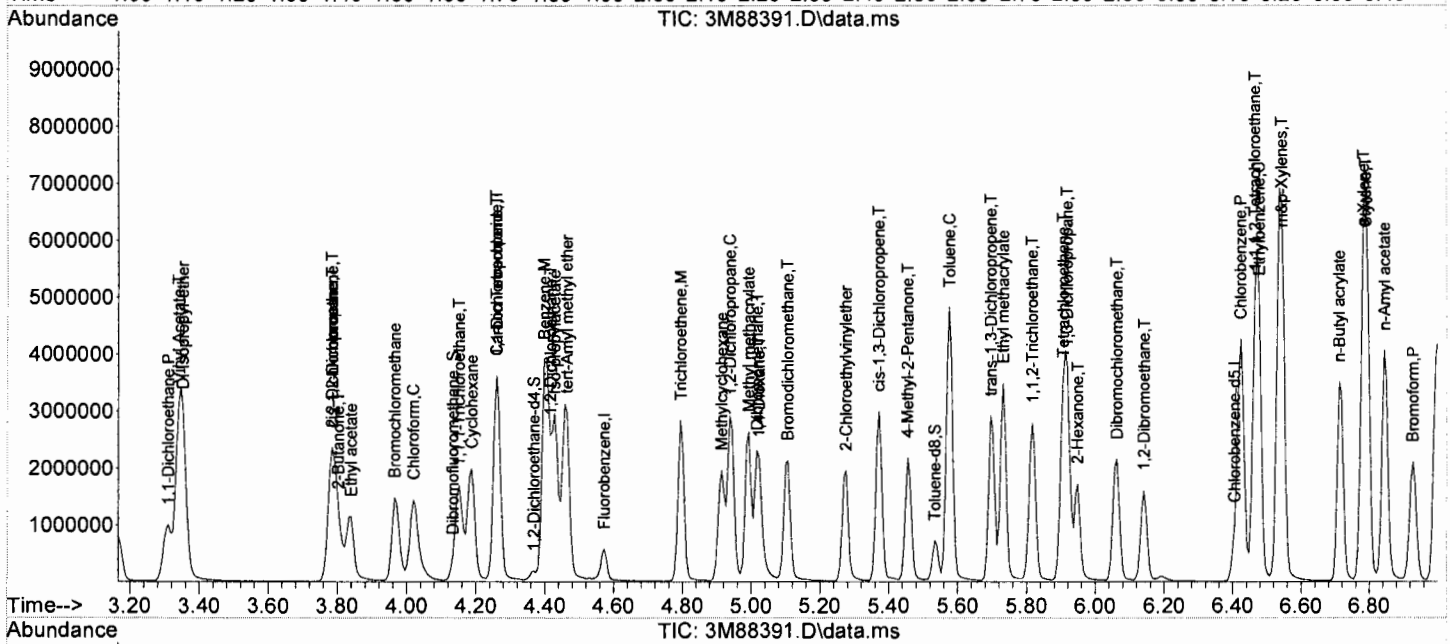
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 3M88391.D
Acq On : 02/27/11 16:34
Operator : DB
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 07:12
Qt Upd On: 02/28/11 07:09
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
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1,1-Dichloroethane,P
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
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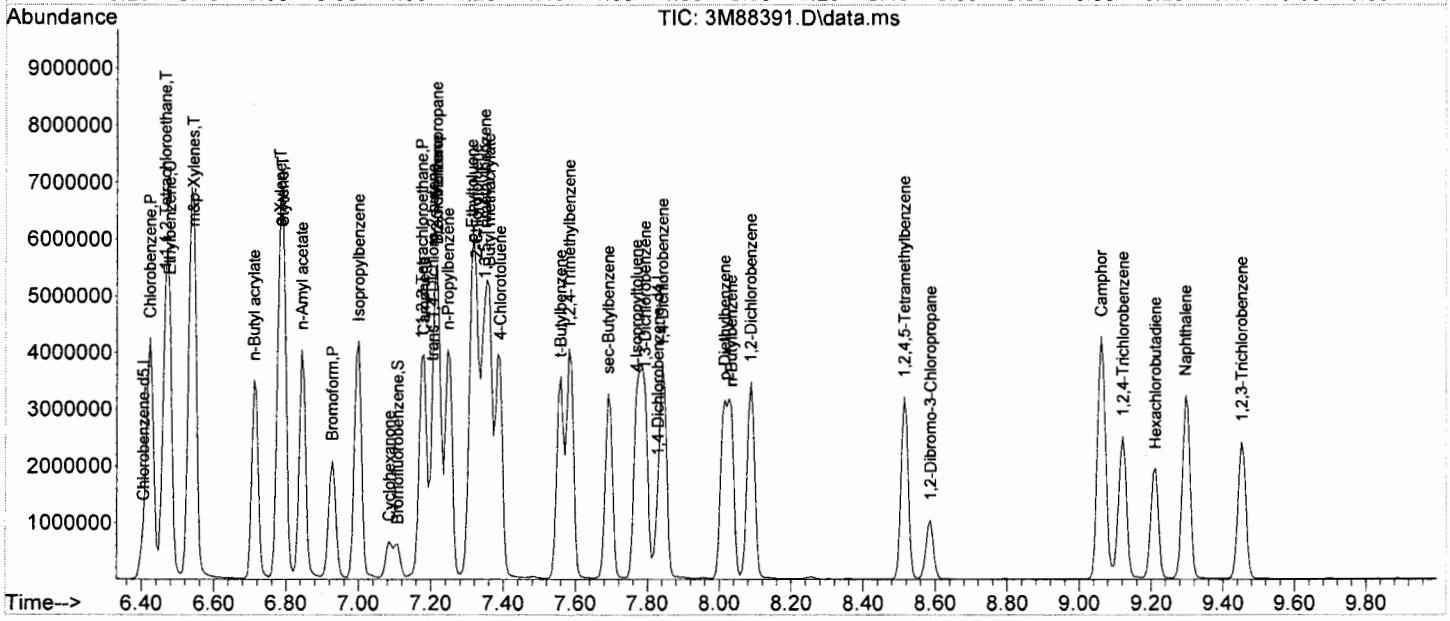
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 3M88391.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
Bromofluorobenzene,S
trans-1,4-Dichloro-2-butene
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88390.D Sam Mult : 1 Vial# : 9 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:17 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.572	96	301868	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.405	117	228407	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.829	152	128177	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.133	111	73199	29.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.50%			
38) 1,2-Dichloroethane-d4	4.368	67	46359	29.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.47%			
65) Toluene-d8	5.533	98	313584	31.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.53%			
75) Bromofluorobenzene	7.108	174	142700	35.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.83%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.293	51	2169195	261.66	ug/l	73
6) Dichlorodifluoromethane	1.276	85	1746148	511.84	ug/l	87
7) Chloromethane	1.409	50	1407856	353.24	ug/l	81
8) Bromomethane	1.709	94	186278	105.35	ug/l	87
9) Vinyl Chloride	1.493	62	910849	314.57	ug/l	97
10) Chloroethane	1.776	64	353002	211.63	ug/l	96
11) Trichlorofluoromethane	1.976	101	989048	331.62	ug/l	90
12) Ethyl ether	2.193	59	335125	96.59	ug/l	95
13) Furan	2.228	39	1623569	166.01	ug/l	86
14) 1,1,2-Trichloro-1,2,2-...	2.361	101	507535	286.51	ug/l	94
15) Methylene Chloride	2.751	84	1127489	306.05	ug/l	89
16) Acrolein	2.313	56	528585	1258.67	ug/l	100
17) Acrylonitrile	2.956	53	430999	323.74	ug/l	96
18) Iodomethane	2.499	142	1651015	313.38	ug/l	99
19) Acetone	2.439	43	2271368	1988.70	ug/l	95
20) Carbon Disulfide	2.547	76	3161273	310.50	ug/l	100
21) t-Butyl Alcohol	2.865	59	489674	1718.33	ug/l	86
22) n-Hexane	3.166	57	552158	241.36	ug/l	78
23) Di-isopropyl-ether	3.352	45	3631326	275.52	ug/l	88
24) 1,1-Dichloroethene	2.373	61	1607633	303.01	ug/l	96
25) Methyl Acetate	2.679	43	1363968	427.98	ug/l	100
26) Methyl-t-butyl ether	2.968	73	2037087	270.94	ug/l	74
27) 1,1-Dichloroethane	3.304	63	1977714	293.33	ug/l	98
28) trans-1,2-Dichloroethene	2.962	96	862297	268.22	ug/l	96
29) cis-1,2-Dichloroethene	3.785	61	1577528	292.65	ug/l	85
30) Bromochloromethane	3.965	49	1158395	324.31	ug/l	73
31) 2,2-Dichloropropane	3.785	77	944981	317.63	ug/l	92
32) Ethyl acetate	3.839	43	1888756	483.30	ug/l	95
33) 1,4-Dioxane	5.029	88	690738	18568.49	ug/l	84
34) 1,1-Dichloropropene	4.260	75	1213906	276.88	ug/l	100
35) Chloroform	4.019	83	1922819	362.80	ug/l	85
37) Cyclohexane	4.187	56	1198423	298.20	ug/l	87
39) 1,2-Dichloroethane	4.416	62	1528839	313.65	ug/l	93
40) 2-Butanone	3.803	43	674215	428.16	ug/l	96
41) 1,1,1-Trichloroethane	4.151	97	1520280	378.84	ug/l	100
42) Carbon Tetrachloride	4.260	117	1153511	373.76	ug/l	94
43) Vinyl Acetate	3.340	43	4346822	347.84	ug/l	100
44) Bromodichloromethane	5.107	83	1807461	368.56	ug/l	91
45) Methylcyclohexane	4.915	83	887748	276.47	ug/l	93
46) Dibromomethane	5.017	174	939916	307.18	ug/l	94
47) 1,2-Dichloropropane	4.945	63	1293824	301.68	ug/l	94
48) Trichloroethene	4.794	130	1098181	300.01	ug/l	90
49) Benzene	4.398	78	3594908	263.72	ug/l	100
50) tert-Amyl methyl ether	4.464	73	2286905	266.17	ug/l	90
52) Iso-propylacetate	4.434	43	3031813	440.44	ug/l	90
53) Methyl methacrylate	4.993	41	1752152	452.11	ug/l	98
54) Dibromochloromethane	6.062	129	1565500	413.66	ug/l	99
55) 2-Chloroethylvinylether	5.275	63	984040	404.57	ug/l	80
56) cis-1,3-Dichloropropene	5.371	75	2016076	354.70	ug/l	93
57) trans-1,3-Dichloropropene	5.702	75	1892904	372.49	ug/l	99
58) Ethyl methacrylate	5.738	41	1720564	410.37	ug/l	85
59) 1,1,2-Trichloroethane	5.816	97	1154167	364.22	ug/l	88
60) 1,2-Dibromoethane	6.140	107	1449574	406.47	ug/l	93
61) 1,3-Dichloropropane	5.924	76	1821145	314.90	ug/l	98
62) 4-Methyl-2-Pentanone	5.461	43	2112766	492.31	ug/l	96
63) 2-Hexanone	5.948	43	1599084	526.38	ug/l	93
64) Tetrachloroethene	5.906	164	780658	260.81	ug/l	94
66) Toluene	5.576	92	2398512	281.63	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.465	133	839623	272.20	ug/l	73

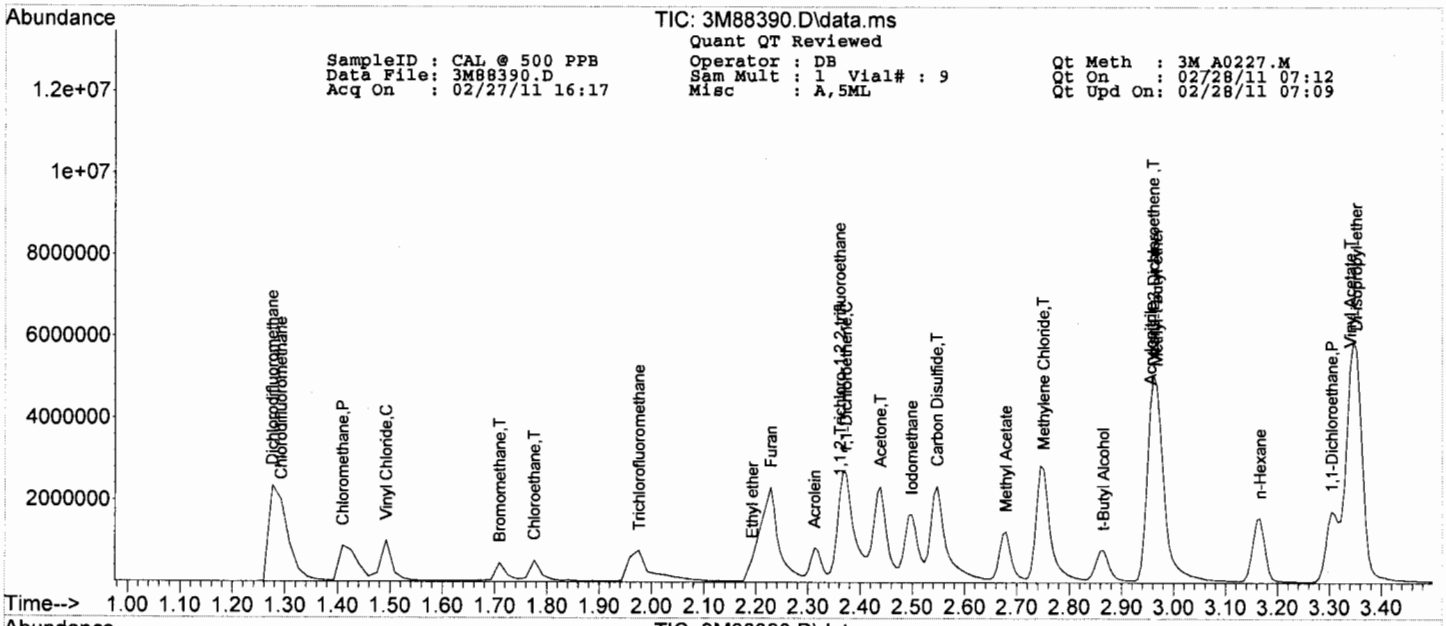
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88390.D Sam Mult : 1 Vial# : 9 Qt On : 02/28/11 07:12
Acq On : 02/27/11 16:17 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.423	112	2826667	292.15	ug/l	98
70)	n-Butyl acrylate	6.717	55	3090487	407.58	ug/l	97
71)	n-Amyl acetate	6.849	43	3264573	454.77	ug/l	93
72)	Bromoform	6.928	173	1383456	455.57	ug/l	94
73)	Ethylbenzene	6.477	106	753984	203.66	ug/l	88
74)	1,1,2,2-Tetrachloroethane	7.180	83	1514919	356.20	ug/l	90
76)	Styrene	6.795	104	2262279	238.35	ug/l	91
77)	m&p-Xylenes	6.543	106	2330307	442.60	ug/l	91
78)	o-Xylene	6.783	106	1236821	230.77	ug/l	81
79)	trans-1,4-Dichloro-2-b...	7.210	53	563806	522.45	ug/l	70
80)	1,3-Dichlorobenzene	7.793	146	1880623	255.54	ug/l	87
81)	1,4-Dichlorobenzene	7.847	146	2127791	282.32	ug/l	93
82)	1,2-Dichlorobenzene	8.087	146	2113931	296.56	ug/l	89
83)	Isopropylbenzene	7.000	105	3721358	295.82	ug/l	94
84)	Cyclohexanone	7.090	55	390553	2473.68	ug/l	96
85)	Camphene	7.180	93	799939	245.70	ug/l	97
86)	1,2,3-Trichloropropane	7.216	75	1591471	314.68	ug/l	86
87)	2-Chlorotoluene	7.330	91	1755933	195.45	ug/l	95
88)	p-Ethyltoluene	7.318	105	3105464	221.51	ug/l	81
89)	4-Chlorotoluene	7.390	91	2273259	280.93	ug/l	92
90)	n-Propylbenzene	7.252	91	4327549	276.50	ug/l	98
91)	Bromobenzene	7.222	77	2225562	292.35	ug/l	95
92)	1,3,5-Trimethylbenzene	7.348	105	2484505	233.44	ug/l	92
93)	Butyl methacrylate	7.366	41	2005993	339.52	ug/l	64
94)	t-Butylbenzene	7.559	119	2604334	262.20	ug/l	82
95)	1,2,4-Trimethylbenzene	7.589	105	3051506	278.59	ug/l	90
96)	sec-Butylbenzene	7.697	105	3189840	261.48	ug/l	99
97)	4-Isopropyltoluene	7.775	119	2317370	237.59	ug/l	91
98)	n-Butylbenzene	8.033	91	2698806	257.07	ug/l	94
99)	p-Diethylbenzene	8.015	119	1373149	247.34	ug/l	93
100)	1,2,4,5-Tetramethylben...	8.520	119	2588420	291.31	ug/l	92
101)	1,2-Dibromo-3-Chloropr...	8.586	157	505084	541.49	ug/l	59
102)	Camphor	9.067	95	1620507	5232.60	ug/l	91
103)	Hexachlorobutadiene	9.211	225	741624	240.27	ug/l	96
104)	1,2,4-Trichlorobenzene	9.121	180	1359041	276.20	ug/l	95
105)	1,2,3-Trichlorobenzene	9.457	180	1363450	303.54	ug/l	96
106)	Naphthalene	9.301	128	4004502	448.56	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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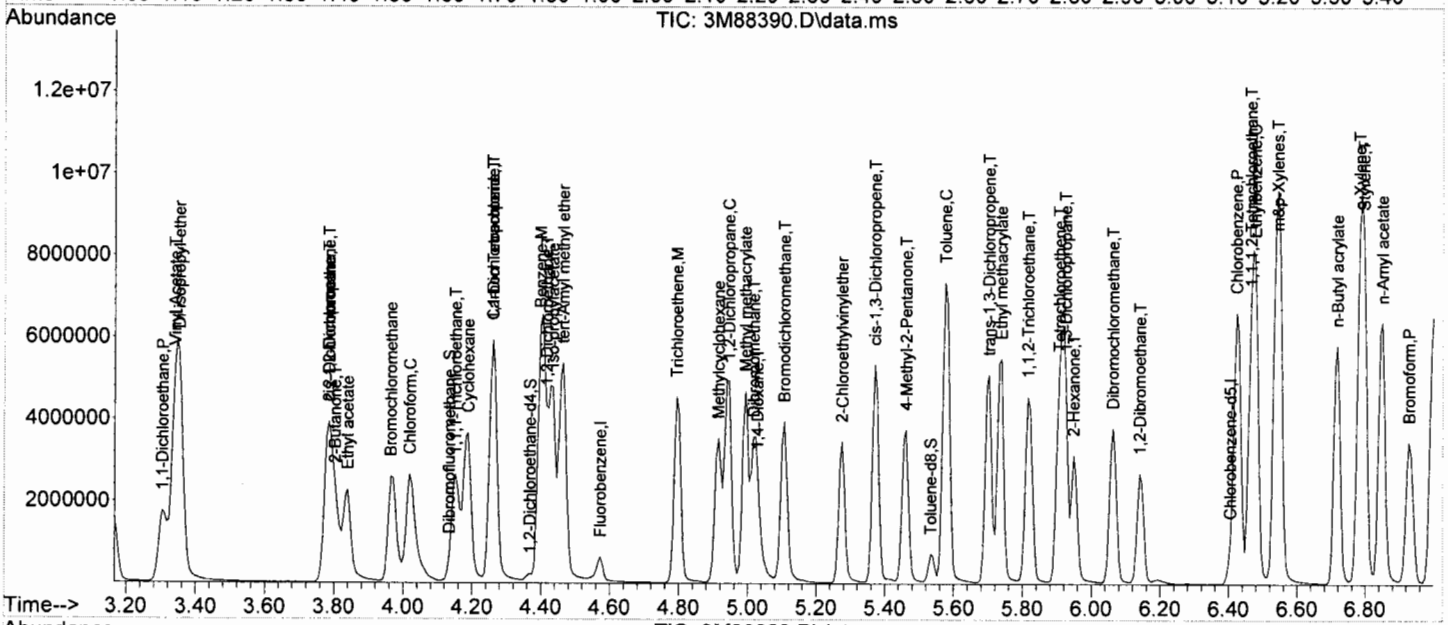
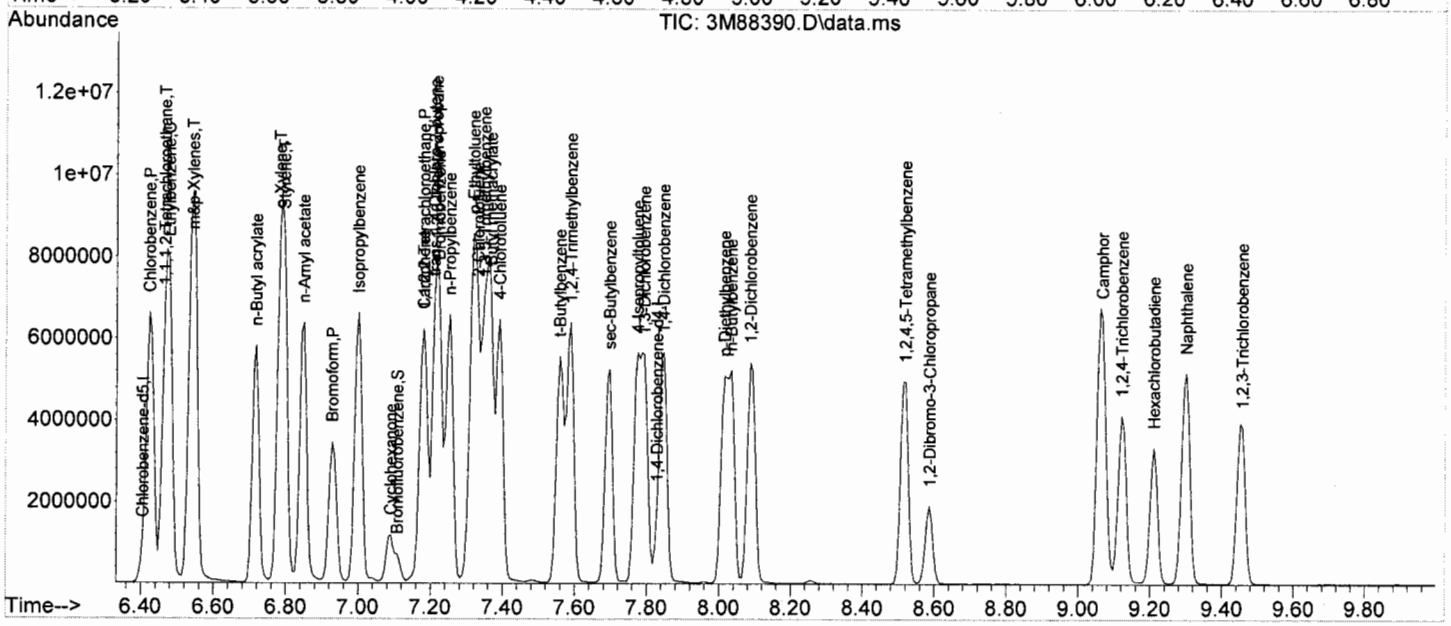
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 3M88390.D
Acq On : 02/27/11 16:17
Operator : DB
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02728/11 07:12
Qt Upd On: 02/28/11 07:09
1.2e+07
1e+07
8000000
6000000
4000000
2000000
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->
1.00 1.10 1.20 1.30 1.40 1.50 1.60 1.70 1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80 2.90 3.00 3.10 3.20 3.30 3.40


Abundance
TIC: 3M88390.D\data.ms
1.2e+07
1e+07
8000000
6000000
4000000
2000000
1,1-Dichloroethane,P
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->
3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60 5.80 6.00 6.20 6.40 6.60 6.80


Abundance
TIC: 3M88390.D\data.ms
1.2e+07
1e+07
8000000
6000000
4000000
2000000
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromochloromethane,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->
6.40 6.60 6.80 7.00 7.20 7.40 7.60 7.80 8.00 8.20 8.40 8.60 8.80 9.00 9.20 9.40 9.60 9.80

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88387.D Sam Mult : 1 Vial# : 6 Qt On : 02/28/11 07:04
Acq On : 02/27/11 15:21 Misc : A,5ML Qt Upd On: 02/28/11 07:02

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.572	96	267491	30.00	ug/l		0.00
51) Chlorobenzene-d5	6.404	117	223218	30.00	ug/l		0.00
69) 1,4-Dichlorobenzene-d4	7.829	152	136322	30.00	ug/l		0.00
System Monitoring Compounds							
36) Dibromofluoromethane	4.133	111	78812	35.54	ug/l		0.00
Spiked Amount 30.000			Recovery = 118.47%				
38) 1,2-Dichloroethane-d4	4.361	67	47015	33.46	ug/l		0.00
Spiked Amount 30.000			Recovery = 111.53%				
65) Toluene-d8	5.533	98	291977	29.59	ug/l		0.00
Spiked Amount 30.000			Recovery = 98.63%				
75) Bromofluorobenzene	7.108	174	125466	29.47	ug/l		0.00
Spiked Amount 30.000			Recovery = 98.23%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.259	51	11881m	1.62	ug/l		
6) Dichlorodifluoromethane	1.293	85	3135	1.04	ug/l		72
7) Chloromethane	1.409	50	2410	0.68	ug/l		99
8) Bromomethane	1.743	94	1546m	0.99	ug/l		
9) Vinyl Chloride	1.493	62	1581m	0.62	ug/l		
10) Chloroethane	1.810	64	699	0.47	ug/l		94
11) Trichlorofluoromethane	1.993	101	1576m	0.60	ug/l		
12) Ethyl ether	2.193	59	1179m	0.38	ug/l		
13) Furan	2.234	39	5155	0.59	ug/l		94
14) 1,1,2-Trichloro-1,2,2-...	2.378	101	827m	0.53	ug/l		
15) Methylene Chloride	2.757	84	2943	0.90	ug/l	#	50
16) Acrolein	2.318	56	600	1.61	ug/l		62
17) Acrylonitrile	2.955	53	1739	1.47	ug/l	#	31
18) Iodomethane	2.499	142	3209	0.69	ug/l		85
19) Acetone	2.433	43	8195	8.10	ug/l		44
20) Carbon Disulfide	2.553	76	6919	0.77	ug/l		100
21) t-Butyl Alcohol	2.835	59	464	1.84	ug/l		60
22) n-Hexane	3.166	57	1365m	0.67	ug/l		
23) Di-isopropyl-ether	3.346	45	6903	0.59	ug/l		96
24) 1,1-Dichloroethene	2.384	61	3010	0.64	ug/l		73
25) Methyl Acetate	2.679	43	3726	1.32	ug/l		100
26) Methyl-t-butyl ether	2.961	73	3499	0.53	ug/l	#	68
27) 1,1-Dichloroethane	3.310	63	4128	0.69	ug/l		61
28) trans-1,2-Dichloroethene	2.961	96	2194	0.77	ug/l		75
29) cis-1,2-Dichloroethene	3.785	61	3300	0.69	ug/l		90
30) Bromochloromethane	3.965	49	2538	0.80	ug/l		80
31) 2,2-Dichloropropane	3.779	77	2127	0.81	ug/l		62
32) Ethyl acetate	3.839	43	3418	0.99	ug/l		100
33) 1,4-Dioxane	5.022	88	751	22.78	ug/l	#	4
34) 1,1-Dichloropropene	4.253	75	1977	0.51	ug/l		75
35) Chloroform	4.025	83	3566	0.76	ug/l		71
37) Cyclohexane	4.187	56	1436	0.40	ug/l		85
39) 1,2-Dichloroethane	4.422	62	4151	0.96	ug/l		79
40) 2-Butanone	3.797	43	2189	1.57	ug/l		71
41) 1,1,1-Trichloroethane	4.145	97	2866	0.81	ug/l		90
42) Carbon Tetrachloride	4.259	117	2532	0.93	ug/l		92
43) Vinyl Acetate	3.340	43	6941	0.63	ug/l		100
44) Bromodichloromethane	5.101	83	3329	0.77	ug/l		86
45) Methylcyclohexane	4.920	83	992	0.35	ug/l	#	62
46) Dibromomethane	5.016	174	3006	1.11	ug/l		83
47) 1,2-Dichloropropane	4.938	63	2992	0.79	ug/l		89
48) Trichloroethene	4.794	130	2276	0.70	ug/l		77
49) Benzene	4.403	78	9016	0.75	ug/l		100
50) tert-Amyl methyl ether	4.464	73	4118	0.54	ug/l		97
52) Iso-propylacetate	4.434	43	5365	0.80	ug/l		84
53) Methyl methacrylate	4.992	41	2503	0.66	ug/l		96
54) Dibromochloromethane	6.056	129	2135	0.58	ug/l		82
55) 2-Chloroethylvinylether	5.275	63	1581	0.67	ug/l		91
56) cis-1,3-Dichloropropene	5.371	75	2852	0.51	ug/l		91
57) trans-1,3-Dichloropropene	5.695	75	2623	0.53	ug/l		68
58) Ethyl methacrylate	5.725	41	1823	0.44	ug/l		70
59) 1,1,2-Trichloroethane	5.810	97	3445	1.11	ug/l	#	58
60) 1,2-Dibromoethane	6.134	107	2829	0.81	ug/l		72
61) 1,3-Dichloropropane	5.918	76	3850	0.68	ug/l		75
62) 4-Methyl-2-Pentanone	5.461	43	2894	0.69	ug/l		92
63) 2-Hexanone	5.948	43	1378	0.46	ug/l		88
64) Tetrachloroethene	5.900	164	1952	0.67	ug/l		95
66) Toluene	5.575	92	6643	0.80	ug/l		100
67) 1,1,1,2-Tetrachloroethane	6.465	133	2464	0.82	ug/l	#	22

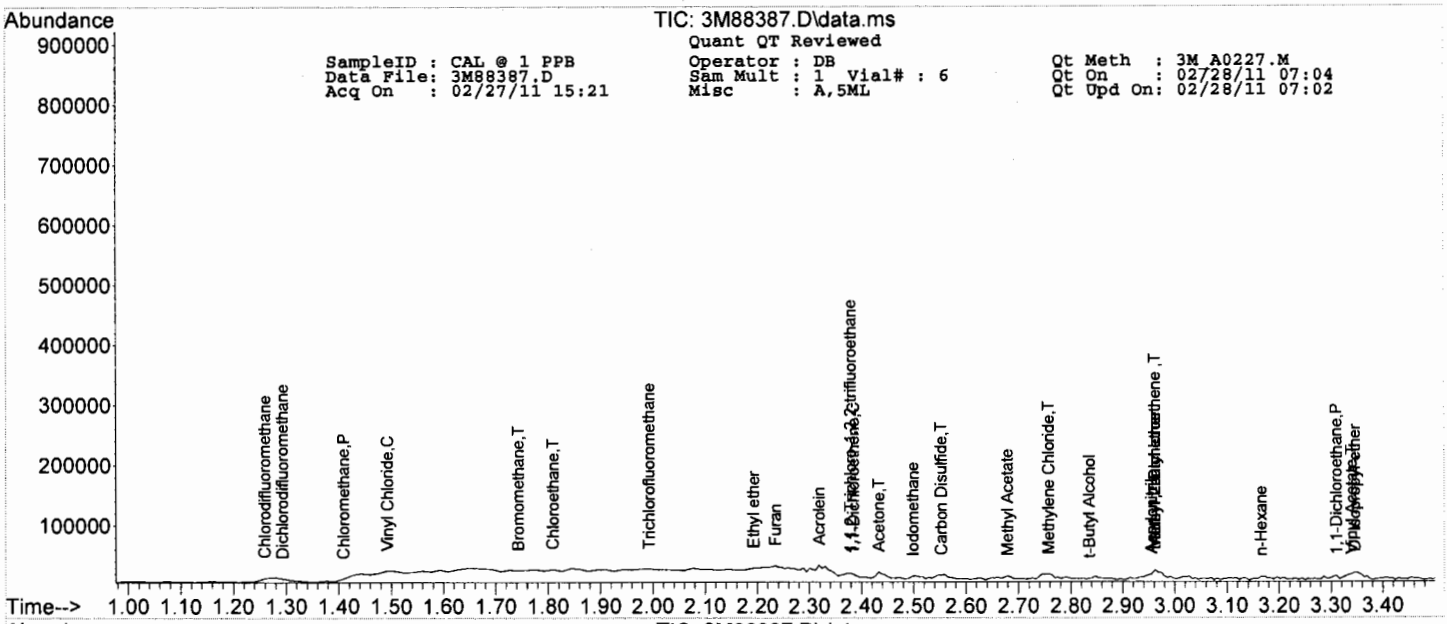
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88387.D Sam Mult : 1 Vial# : 6 Qt On : 02/28/11 07:04
Acq On : 02/27/11 15:21 Misc : A,5ML Qt Upd On: 02/28/11 07:02

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	Chlorobenzene	6.423	112	7096	0.75	ug/l		99
70)	n-Butyl acrylate	6.717	55	3382	0.42	ug/l		96
71)	n-Amyl acetate	6.849	43	3528	0.46	ug/l		76
72)	Bromoform	6.921	173	2472	0.77	ug/l		93
73)	Ethylbenzene	6.471	106	2576	0.65	ug/l		50
74)	1,1,2,2-Tetrachloroethane	7.180	83	3361	0.74	ug/l		86
76)	Styrene	6.789	104	4974	0.49	ug/l		90
77)	m&p-Xylenes	6.543	106	5704	1.02	ug/l		70
78)	o-Xylene	6.783	106	2697	0.47	ug/l		82
79)	trans-1,4-Dichloro-2-b...	7.210	53	1199	1.04	ug/l		99
80)	1,3-Dichlorobenzene	7.787	146	4339	0.55	ug/l	#	68
81)	1,4-Dichlorobenzene	7.841	146	5517	0.69	ug/l		85
82)	1,2-Dichlorobenzene	8.087	146	4338	0.57	ug/l		85
83)	Isopropylbenzene	6.999	105	5567	0.42	ug/l		89
84)	Cyclohexanone	7.084	55	664m	3.95	ug/l		
85)	Camphene	7.180	93	1323	0.38	ug/l		93
86)	1,2,3-Trichloropropane	7.210	75	4264	0.79	ug/l		98
87)	2-Chlorotoluene	7.312	91	4200	0.44	ug/l		81
88)	p-Ethyltoluene	7.312	105	6830	0.46	ug/l		99
89)	4-Chlorotoluene	7.384	91	5267	0.61	ug/l		90
90)	n-Propylbenzene	7.246	91	8755	0.53	ug/l		96
91)	Bromobenzene	7.210	77	6204	0.77	ug/l		91
92)	1,3,5-Trimethylbenzene	7.342	105	4868	0.43	ug/l		78
93)	Butyl methacrylate	7.360	41	3392	0.54	ug/l		81
94)	t-Butylbenzene	7.558	119	4030	0.38	ug/l		81
95)	1,2,4-Trimethylbenzene	7.582	105	5319	0.46	ug/l		99
96)	sec-Butylbenzene	7.696	105	4964	0.38	ug/l		92
97)	4-Isopropyltoluene	7.775	119	3257	0.31	ug/l		85
98)	n-Butylbenzene	8.027	91	3838	0.34	ug/l		88
99)	p-Diethylbenzene	8.009	119	2177	0.37	ug/l	#	69
100)	1,2,4,5-Tetramethylben...	8.514	119	3441	0.36	ug/l		89
101)	1,2-Dibromo-3-Chloropr...	8.586	157	748	0.75	ug/l		59
102)	Camphor	9.067	95	1840	5.59	ug/l		98
103)	Hexachlorobutadiene	9.205	225	1583	0.48	ug/l		94
104)	1,2,4-Trichlorobenzene	9.121	180	2519	0.48	ug/l		87
105)	1,2,3-Trichlorobenzene	9.451	180	2286	0.48	ug/l	#	80
106)	Naphthalene	9.301	128	5605	0.59	ug/l		100

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


Abundance
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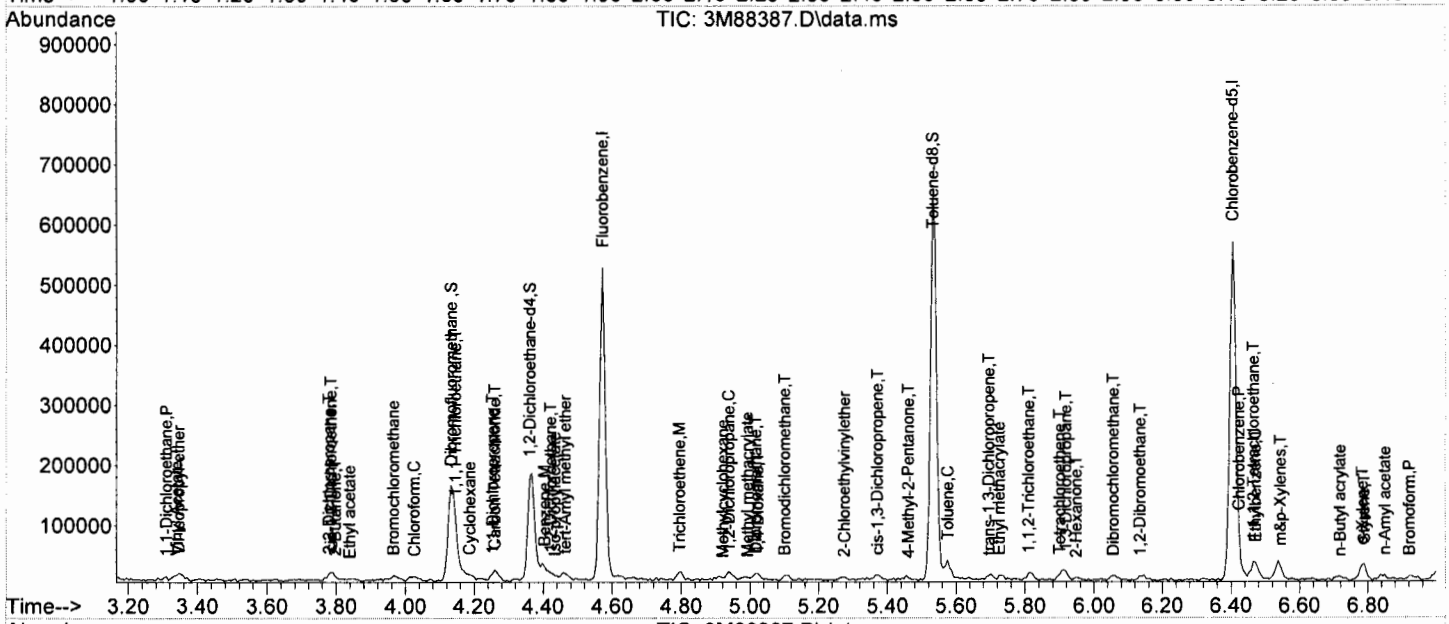
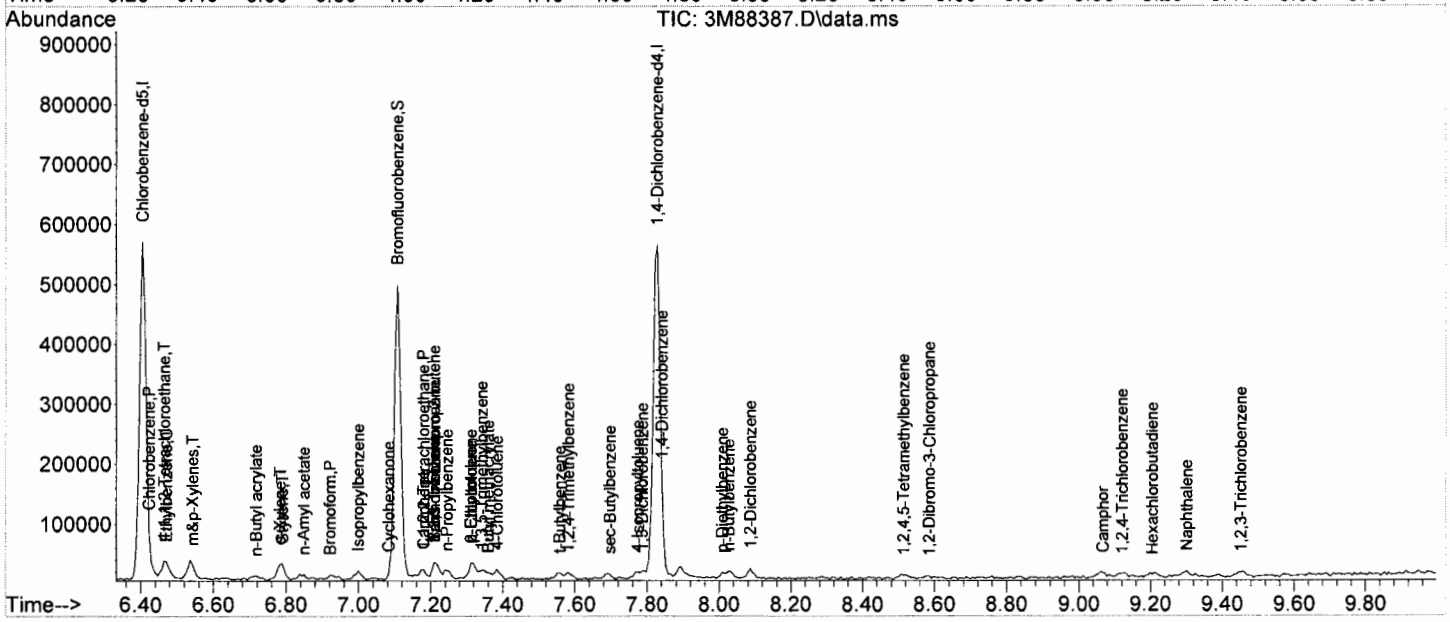
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 3M88387.D
Acq On : 02/27/11 15:21
Operator : DB
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 07:04
Qt Upd On: 02/28/11 07:02
Chlorodifluoromethane
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 3M88387.D\data.ms
1,1-Dichloroethane,P
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 3M88387.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88388.D Sam Mult : 1 Vial# : 7 Qt On : 02/28/11 07:12
Acq On : 02/27/11 15:41 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.572	96	268926	30.00 ug/l	0.00
51) Chlorobenzene-d5	6.405	117	224259	30.00 ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.829	152	129366	30.00 ug/l	0.00
System Monitoring Compounds					
36) Dibromofluoromethane	4.134	111	78184	35.06 ug/l	0.00
Spiked Amount 30.000			Recovery =	116.87%	
38) 1,2-Dichloroethane-d4	4.368	67	48579	34.39 ug/l	0.00
Spiked Amount 30.000			Recovery =	114.63%	
65) Toluene-d8	5.534	98	281305	28.37 ug/l	0.00
Spiked Amount 30.000			Recovery =	94.57%	
75) Bromofluorobenzene	7.108	174	119227	29.51 ug/l	0.00
Spiked Amount 30.000			Recovery =	98.37%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d	
6) Dichlorodifluoromethane	0.000		0	N.D. d	
7) Chloromethane	0.000		0	N.D. d	
8) Bromomethane	0.000		0	N.D. d	
9) Vinyl Chloride	0.000		0	N.D. d	
10) Chloroethane	0.000		0	N.D. d	
11) Trichlorofluoromethane	0.000		0	N.D. d	
12) Ethyl ether	0.000		0	N.D. d	
13) Furan	0.000		0	N.D. d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d	
15) Methylene Chloride	0.000		0	N.D. d	
16) Acrolein	0.000		0	N.D. d	
17) Acrylonitrile	0.000		0	N.D. d	
18) Iodomethane	0.000		0	N.D. d	
19) Acetone	0.000		0	N.D. d	
20) Carbon Disulfide	0.000		0	N.D. d	
21) t-Butyl Alcohol	0.000		0	N.D. d	
22) n-Hexane	0.000		0	N.D. d	
23) Di-isopropyl-ether	0.000		0	N.D. d	
24) 1,1-Dichloroethene	0.000		0	N.D. d	
25) Methyl Acetate	0.000		0	N.D. d	
26) Methyl-t-butyl ether	2.956	73	2138m	0.32 ug/l	
27) 1,1-Dichloroethane	0.000		0	N.D. d	
28) trans-1,2-Dichloroethene	0.000		0	N.D. d	
29) cis-1,2-Dichloroethene	0.000		0	N.D. d	
30) Bromochloromethane	0.000		0	N.D. d	
31) 2,2-Dichloropropane	0.000		0	N.D. d	
32) Ethyl acetate	0.000		0	N.D. d	
33) 1,4-Dioxane	0.000		0	N.D. d	
34) 1,1-Dichloropropene	0.000		0	N.D. d	
35) Chloroform	0.000		0	N.D. d	
37) Cyclohexane	0.000		0	N.D. d	
39) 1,2-Dichloroethane	4.416	62	2171	0.50 ug/l	85
40) 2-Butanone	0.000		0	N.D. d	
41) 1,1,1-Trichloroethane	0.000		0	N.D. d	
42) Carbon Tetrachloride	0.000		0	N.D. d	
43) Vinyl Acetate	0.000		0	N.D. d	
44) Bromodichloromethane	0.000		0	N.D. d	
45) Methylcyclohexane	0.000		0	N.D. d	
46) Dibromomethane	0.000		0	N.D. d	
47) 1,2-Dichloropropane	0.000		0	N.D. d	
48) Trichloroethene	0.000		0	N.D. d	
49) Benzene	4.410	78	4902	0.40 ug/l	100
50) tert-Amyl methyl ether	0.000		0	N.D. d	
52) Iso-propylacetate	0.000		0	N.D. d	
53) Methyl methacrylate	0.000		0	N.D. d	
54) Dibromochloromethane	0.000		0	N.D. d	
55) 2-Chloroethylvinylether	0.000		0	N.D. d	
56) cis-1,3-Dichloropropene	0.000		0	N.D. d	
57) trans-1,3-Dichloropropene	0.000		0	N.D. d	
58) Ethyl methacrylate	0.000		0	N.D. d	
59) 1,1,2-Trichloroethane	0.000		0	N.D. d	
60) 1,2-Dibromoethane	0.000		0	N.D. d	
61) 1,3-Dichloropropane	0.000		0	N.D. d	
62) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
63) 2-Hexanone	0.000		0	N.D. d	
64) Tetrachloroethene	0.000		0	N.D. d	
66) Toluene	0.000		0	N.D. d	
67) 1,1,1,2-Tetrachloroethane	0.000		0	N.D. d	

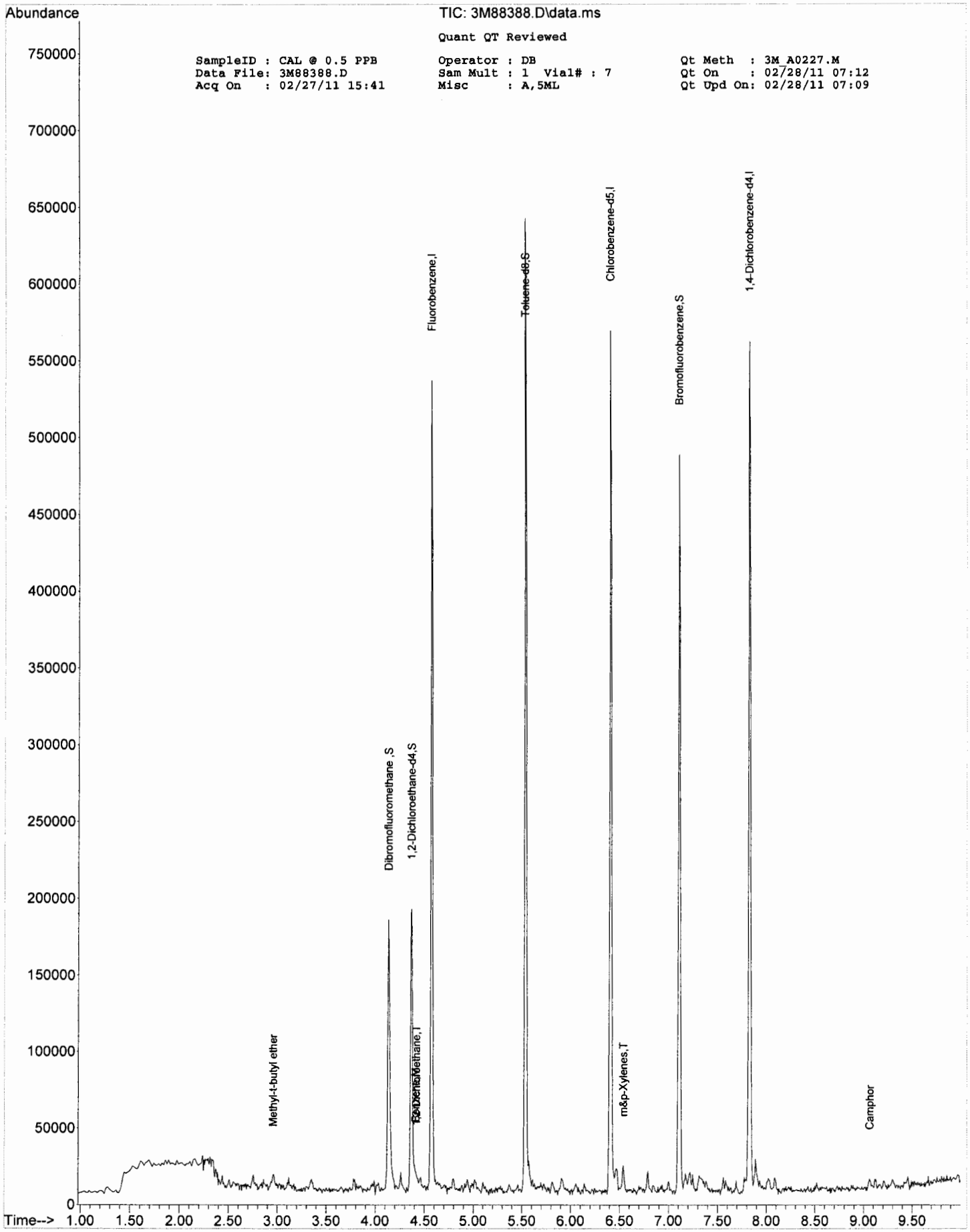
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : DB Qt Meth : 3M_A0227.M
Data File: 3M88388.D Sam Mult : 1 Vial# : 7 Qt On : 02/28/11 07:12
Acq On : 02/27/11 15:41 Misc : A,5ML Qt Upd On: 02/28/11 07:09

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	0.000		0	N.D. d	
70)	n-Butyl acrylate	0.000		0	N.D. d	
71)	n-Amyl acetate	0.000		0	N.D. d	
72)	Bromoform	0.000		0	N.D. d	
73)	Ethylbenzene	0.000		0	N.D. d	
74)	1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
76)	Styrene	0.000		0	N.D. d	
77)	m&p-Xylenes	6.537	106	2880	0.54 ug/l	64
78)	o-Xylene	0.000		0	N.D. d	
79)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d	
80)	1,3-Dichlorobenzene	0.000		0	N.D. d	
81)	1,4-Dichlorobenzene	0.000		0	N.D. d	
82)	1,2-Dichlorobenzene	0.000		0	N.D. d	
83)	Isopropylbenzene	0.000		0	N.D. d	
84)	Cyclohexanone	0.000		0	N.D. d	
85)	Camphene	0.000		0	N.D. d	
86)	1,2,3-Trichloropropane	0.000		0	N.D. d	
87)	2-Chlorotoluene	0.000		0	N.D. d	
88)	p-Ethyltoluene	0.000		0	N.D. d	
89)	4-Chlorotoluene	0.000		0	N.D. d	
90)	n-Propylbenzene	0.000		0	N.D. d	
91)	Bromobenzene	0.000		0	N.D. d	
92)	1,3,5-Trimethylbenzene	0.000		0	N.D. d	
93)	Butyl methacrylate	0.000		0	N.D. d	
94)	t-Butylbenzene	0.000		0	N.D. d	
95)	1,2,4-Trimethylbenzene	0.000		0	N.D. d	
96)	sec-Butylbenzene	0.000		0	N.D. d	
97)	4-Isopropyltoluene	0.000		0	N.D. d	
98)	n-Butylbenzene	0.000		0	N.D. d	
99)	p-Diethylbenzene	0.000		0	N.D. d	
100)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
101)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d	
102)	Camphor	9.061	95	856	2.74 ug/l	68
103)	Hexachlorobutadiene	0.000		0	N.D. d	
104)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
105)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
106)	Naphthalene	0.000		0	N.D. d	

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


Abundance
TIC: 3M88388.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 3M88388.D
Acq On : 02/27/11 15:41
Operator : DB
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 07:12
Qt Upd On: 02/28/11 07:09
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65417.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/11/2011 10:15:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.62	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.45	13.39				0.622			
Dichlorodifluoromethane	1	0		1.44	14.43	20			0.362	0.261	27.85	
Chloromethane	1	0	CP	1.59	18.67	20	0.1		0.372	0.348	6.65	
Bromomethane	1	0		1.92	12.24	20			0.144	0.124	38.80	
Vinyl Chloride	1	0	CC	1.66	18.90	20	20		0.275	0.260	5.50	
Chloroethane	1	0		2.00	19.29	20			0.173	0.167	3.55	
Trichlorofluoromethane	1	0		2.20	20.79	20			0.222	0.231	3.95	
Ethyl ether	1	0		2.41	17.85	20			0.263	0.235	10.75	
Furan	1	0		2.43	17.62	20			0.953	0.840	11.90	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.60	14.91	20			0.144	0.134	25.45	
Methylene Chloride	1	0		2.94	18.52	20			0.347	0.321	7.40	
Acrolein	1	0		2.48	53.96	100			0.052	0.028	46.04	
Acrylonitrile	1	0		3.11	19.47	20			0.137	0.134	2.65	
Iodomethane	1	0		2.70	11.97	20			0.222	0.219	40.15	
Acetone	1	0		2.60	96.36	100			0.145	0.140	3.64	
Carbon Disulfide	1	0		2.76	31.37	20			0.584	0.969	56.85	
t-Butyl Alcohol	1	0		3.01	93.96	100			0.024	0.023	6.04	
n-Hexane	1	0		3.38	13.33	20			0.256	0.194	33.35	
Di-isopropyl-ether	1	0		3.54	22.05	20			1.394	1.513	10.25	
1.1-Dichloroethene	1	0	CC	2.58	19.41	20	20		0.528	0.512	2.95	
Methyl Acetate	1	0		2.86	19.05	20			0.403	0.384	4.75	
Methyl-t-butyl ether	1	0		3.16	21.17	20			0.628	0.685	5.85	
1.1-Dichloroethane	1	0	CP	3.49	20.14	20	0.1		0.633	0.637	0.70	
trans-1.2-Dichloroethene	1	0		3.17	19.86	20			0.267	0.265	0.70	
cis-1.2-Dichloroethene	1	0		3.92	19.34	20			0.617	0.597	3.30	
Bromochloromethane	1	0		4.08	19.51	20			0.368	0.359	2.45	
2.2-Dichloropropane	1	0		3.94	6.92	20			0.314	0.121	65.40	
Ethyl acetate	1	0		3.96	20.85				0.483			
1.4-Dioxane	1	0		4.99	1049.80	1000			0.003	0.003	4.98	
1.1-Dichloropropene	1	0		4.36	21.29	20			0.387	0.412	6.45	
Chloroform	1	0	CC	4.13	19.53	20	20		0.521	0.509	2.35	
Dibromofluoromethane	1	0	S	4.23	29.06	30			0.273	0.265	3.13	
Cyclohexane	1	0		4.31	19.61	20			0.405	0.429	1.95	
1.2-Dichloroethane-d4	1	0	S	4.43	28.29	30			0.193	0.182	5.70	
1.2-Dichloroethane	1	0		4.48	20.79	20			0.464	0.482	3.95	
2-Butanone	1	0		3.92	19.64	20			0.173	0.170	1.80	
1.1.1-Trichloroethane	1	0		4.26	19.52	20			0.351	0.342	2.40	
Carbon Tetrachloride	1	0		4.36	19.18	20			0.259	0.249	4.10	
Vinyl Acetate	1	0		3.54	27.29	20			0.807	1.209	36.45	
Bromodichloromethane	1	0		5.07	20.73	20			0.379	0.393	3.65	
Methylcyclohexane	1	0		4.93	18.55	20			0.244	0.248	7.25	
Dibromomethane	1	0		4.99	19.87	20			0.121	0.134	0.65	
1.2-Dichloropropane	1	0	CC	4.93	21.66	20	20		0.326	0.353	8.30	
Trichloroethene	1	0		4.81	20.69	20			0.234	0.242	3.45	
Benzene	1	0		4.48	22.20	20			1.089	1.209	11.00	
tert-Amyl methyl ether	1	0		4.52	23.80	20			0.680	0.799	19.00	
Chlorobenzene-d5	1	0	I	6.18	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.48	20.58				1.186			
Methyl methacrylate	1	0		4.97	18.42				0.690			
Dibromochloromethane	1	0		5.87	17.36	20			0.390	0.338	13.20	
2-Chloroethylvinylether	1	0		5.20	15.90	20			0.312	0.299	20.50	
cis-1.3-Dichloropropene	1	0		5.29	15.02	20			0.683	0.574	24.90	
trans-1.3-Dichloropropene	1	0		5.56	13.57	20			0.576	0.452	32.15	
Ethyl methacrylate	1	0		5.59	18.22				0.715			
1.1.2-Trichloroethane	1	0		5.66	17.84	20			0.373	0.333	10.80	
1.2-Dibromoethane	1	0		5.94	17.80	20			0.371	0.330	11.00	
1.3-Dichloropropane	1	0		5.75	19.49	20			0.678	0.661	2.55	
4-Methyl-2-Pentanone	1	0		5.35	16.49	20			0.705	0.675	17.55	
2-Hexanone	1	0		5.77	17.50	20			0.484	0.458	12.50	
Tetrachloroethene	1	0		5.76	16.73	20			0.265	0.222	16.35	
Toluene-d8	1	0	S	5.44	28.85	30			1.485	1.428	3.83	
Toluene	1	0	CC	5.47	19.40	20	20		1.003	0.973	3.00	
1.1.1.2-Tetrachloroethane	1	0		6.23	18.12	20			0.299	0.271	9.40	
Chlorobenzene	1	0	CP	6.19	19.00	20	0.3		1.010	0.960	5.00	
1.4-Dichlorobenzene-d4	1	0	I	7.41	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.44	18.17				2.151			
n-Amyl acetate	1	0		6.56	19.04				2.607			
Bromoform	1	0	CP	6.62	16.36	20	0.1		0.544	0.445	18.20	
Ethylbenzene	1	0	CC	6.24	20.57	20	20		1.038	1.068	2.85	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65417.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/11/2011 10:15:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.83	17.82	20	0.3		1.170	1.042	10.90	
Bromofluorobenzene	1	0	S	6.78	28.85	30			0.822	0.790	3.83	
Styrene	1	0		6.51	21.98	20			2.145	2.310	9.90	
m&p-Xylenes	1	0		6.30	43.74	40			1.202	1.296	9.35	
o-Xylene	1	0		6.51	22.15	20			1.207	1.270	10.75	
trans-1.4-Dichloro-2-butene	1	0		6.86	15.48	20			0.539	0.417	22.60	
1.3-Dichlorobenzene	1	0		7.38	19.45	20			1.348	1.311	2.75	
1.4-Dichlorobenzene	1	0		7.43	17.64	20			1.510	1.332	11.80	
1.2-Dichlorobenzene	1	0		7.64	17.78	20			1.389	1.235	11.10	
Isopropylbenzene	1	0		6.69	20.68	20			2.907	3.038	3.40	
Cyclohexanone	1	0		6.75	93.69				0.044			
Camphene	1	0		6.86	18.60	20			0.805	0.799	7.00	
1.2.3-Trichloropropane	1	0		6.86	18.50	20			1.317	1.218	7.50	
2-Chlorotoluene	1	0		6.97	21.39	20			2.738	2.928	6.95	
p-Ethyltoluene	1	0		6.97	19.84				3.308			
4-Chlorotoluene	1	0		7.03	20.16	20			2.668	2.689	0.80	
n-Propylbenzene	1	0		6.91	20.51	20			3.897	3.995	2.55	
Bromobenzene	1	0		6.88	19.76	20			2.360	2.332	1.20	
1.3.5-Trimethylbenzene	1	0		7.00	21.76	20			2.396	2.466	8.80	
Butyl methacrylate	1	0		7.01	22.28				2.127			
t-Butylbenzene	1	0		7.18	19.94	20			2.008	2.061	0.30	
1.2.4-Trimethylbenzene	1	0		7.21	21.19	20			2.480	2.570	5.95	
sec-Butylbenzene	1	0		7.30	19.94	20			2.637	2.723	0.30	
4-Isopropyltoluene	1	0		7.37	19.27	20			1.936	2.026	3.65	
n-Butylbenzene	1	0		7.60	19.91	20			2.519	2.462	0.45	
p-Diethylbenzene	1	0		7.58	18.37				1.062			
1.2.4.5-Tetramethylbenzene	1	0		8.03	17.52				1.815			
1.2-Dibromo-3-Chloropropane	1	0		8.07	15.28	20			0.160	0.138	23.60	
Camphor	1	0		8.49	187.54	200			0.069	0.070	6.23	
Hexachlorobutadiene	1	0		8.65	13.91	20			0.256	0.178	30.45	
1.2.4-Trichlorobenzene	1	0		8.55	16.73	20			0.724	0.606	16.35	
1.2.3-Trichlorobenzene	1	0		8.85	16.81	20			0.660	0.555	15.95	
Naphthalene	1	0		8.70	16.78	20			1.869	1.752	16.10	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65417.D Sam Mult : 1 Vial# : 3 Qt On : 02/11/11 10:31
Acq On : 02/11/11 10:15 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	123527	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.178	117	83807	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.410	152	37127	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	32718	29.06	ug/l	-0.02
Spiked Amount 30.000			Recovery = 96.87%			
38) 1,2-Dichloroethane-d4	4.428	67	22462	28.29	ug/l	-0.02
Spiked Amount 30.000			Recovery = 94.30%			
65) Toluene-d8	5.438	98	119672	28.85	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.17%			
75) Bromofluorobenzene	6.785	174	29342	28.85	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.453	51	34268	13.39	ug/l	96
6) Dichlorodifluoromethane	1.442	85	21487	14.43	ug/l	85
7) Chloromethane	1.592	50	28632	18.67	ug/l	75
8) Bromomethane	1.920	94	10171	12.24	ug/l	82
9) Vinyl Chloride	1.661	62	21430	18.90	ug/l	97
10) Chloroethane	2.000	64	13759	19.29	ug/l	95
11) Trichlorofluoromethane	2.196	101	18983	20.79	ug/l	93
12) Ethyl ether	2.409	59	19340	17.85	ug/l	85
13) Furan	2.433	39	69140	17.62	ug/l	75
14) 1,1,2-Trichloro-1,2,2-...	2.595	101	11069	14.91	ug/l	87
15) Methylene Chloride	2.938	84	26437	18.52	ug/l	67
16) Acrolein	2.481	56	11580	53.96	ug/l	97
17) Acrylonitrile	3.112	53	11017	19.47	ug/l	87
18) Iodomethane	2.703	142	18061	11.97	ug/l	86
19) Acetone	2.601	43	57492	96.36	ug/l	98
20) Carbon Disulfide	2.763	76	79810	31.37	ug/l	100
21) t-Butyl Alcohol	3.010	59	9400	93.96	ug/l	90
22) n-Hexane	3.383	57	15983	13.33	ug/l	95
23) Di-isopropyl-ether	3.539	45	124583	22.05	ug/l	96
24) 1,1-Dichloroethene	2.583	61	42179	19.41	ug/l	93
25) Methyl Acetate	2.860	43	31583	19.05	ug/l	100
26) Methyl-t-butyl ether	3.160	73	56448	21.17	ug/l	75
27) 1,1-Dichloroethane	3.491	63	52445	20.14	ug/l	97
28) trans-1,2-Dichloroethene	3.166	96	21804	19.86	ug/l	89
29) cis-1,2-Dichloroethene	3.924	61	49146	19.34	ug/l	98
30) Bromochloromethane	4.080	49	29603m	19.51	ug/l	
31) 2,2-Dichloropropane	3.936	77	9990	6.92	ug/l	81
32) Ethyl acetate	3.960	43	41482	20.85	ug/l	87
33) 1,4-Dioxane	4.994	88	10787	1049.80	ug/l	64
34) 1,1-Dichloropropene	4.356	75	33893	21.29	ug/l	96
35) Chloroform	4.134	83	41916	19.53	ug/l	85
37) Cyclohexane	4.308	56	35353	19.61	ug/l	75
39) 1,2-Dichloroethane	4.477	62	39702	20.79	ug/l	92
40) 2-Butanone	3.924	43	13965	19.64	ug/l	85
41) 1,1,1-Trichloroethane	4.260	97	28190	19.52	ug/l	99
42) Carbon Tetrachloride	4.362	117	20489	19.18	ug/l	94
43) Vinyl Acetate	3.539	43	99536	27.29	ug/l	100
44) Bromodichloromethane	5.066	83	32329	20.73	ug/l	89
45) Methylcyclohexane	4.933	83	20429	18.55	ug/l	79
46) Dibromomethane	4.994	174	11003	19.87	ug/l	92
47) 1,2-Dichloropropane	4.927	63	29049	21.66	ug/l	95
48) Trichloroethene	4.813	130	19914	20.69	ug/l	85
49) Benzene	4.477	78	99532	22.20	ug/l	100
50) tert-Amyl methyl ether	4.525	73	65776	23.80	ug/l	65
52) Iso-propylacetate	4.483	43	68172	20.58	ug/l	87
53) Methyl methacrylate	4.969	41	38825	18.42	ug/l	83
54) Dibromochloromethane	5.871	129	18888	17.36	ug/l	97
55) 2-Chloroethylvinylether	5.204	63	16679	15.90	ug/l	80
56) cis-1,3-Dichloropropene	5.294	75	32074	15.02	ug/l	92
57) trans-1,3-Dichloropropene	5.565	75	25280	13.57	ug/l	99
58) Ethyl methacrylate	5.595	41	39947	18.22	ug/l	92
59) 1,1,2-Trichloroethane	5.661	97	18607	17.84	ug/l	90
60) 1,2-Dibromoethane	5.943	107	18453	17.80	ug/l	94
61) 1,3-Dichloropropane	5.751	76	36926	19.49	ug/l	96
62) 4-Methyl-2-Pentanone	5.354	43	37711	16.49	ug/l	94
63) 2-Hexanone	5.775	43	25602	17.50	ug/l	93
64) Tetrachloroethene	5.757	164	12399	16.73	ug/l	99
66) Toluene	5.474	92	54362	19.40	ug/l	97
67) 1,1,1,2-Tetrachloroethane	6.226	133	15126	18.12	ug/l	71

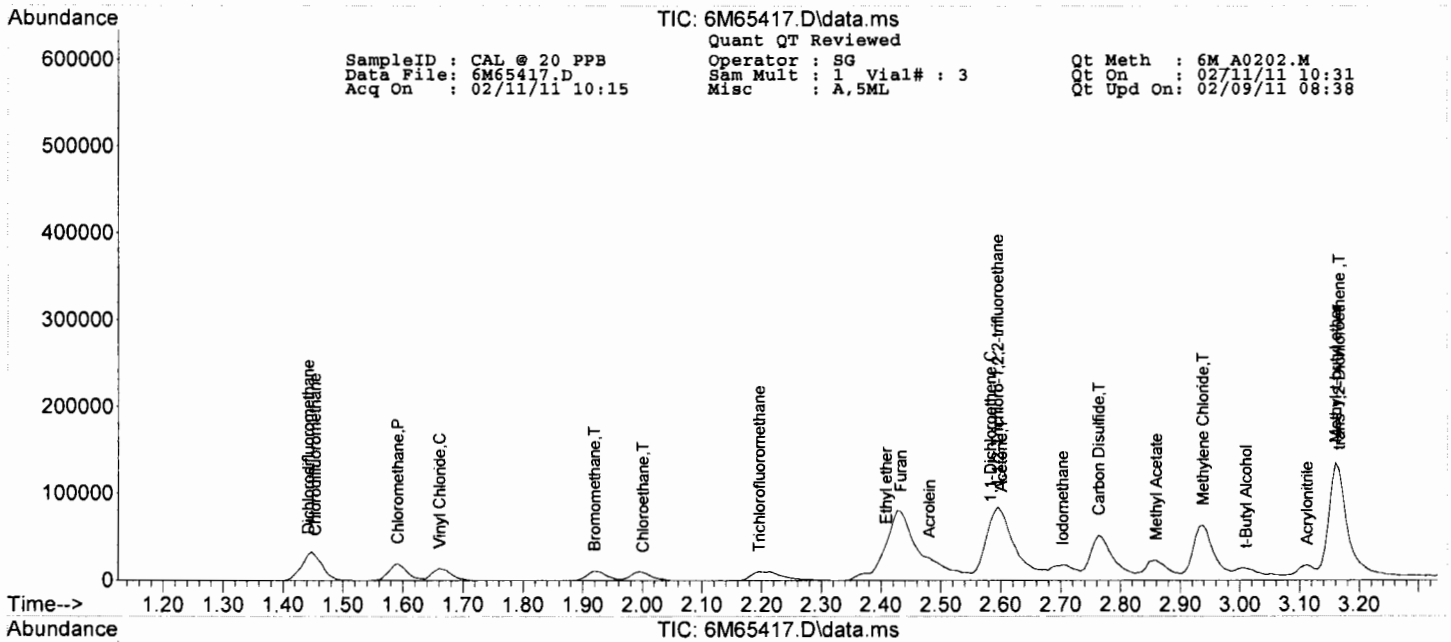
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65417.D Sam Mult : 1 Vial# : 3 Qt On : 02/11/11 10:31
Acq On : 02/11/11 10:15 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.190	112	53619	19.00	ug/l	99
70)	n-Butyl acrylate	6.442	55	56441	18.17	ug/l	93
71)	n-Amyl acetate	6.556	43	64688	19.04	ug/l	96
72)	Bromoform	6.617	173	11016	16.36	ug/l	97
73)	Ethylbenzene	6.238	106	26432	20.57	ug/l	95
74)	1,1,2,2-Tetrachloroethane	6.833	83	25797	17.82	ug/l	87
76)	Styrene	6.508	104	57175	21.98	ug/l	98
77)	m&p-Xylenes	6.298	106	64153	43.74	ug/l	100
78)	o-Xylene	6.508	106	31423	22.15	ug/l	86
79)	trans-1,4-Dichloro-2-b...	6.857	53	10321	15.48	ug/l	96
80)	1,3-Dichlorobenzene	7.380	146	32455	19.45	ug/l	94
81)	1,4-Dichlorobenzene	7.428	146	32963	17.64	ug/l	95
82)	1,2-Dichlorobenzene	7.638	146	30561	17.78	ug/l	97
83)	Isopropylbenzene	6.695	105	75198	20.68	ug/l	98
84)	Cyclohexanone	6.749	55	5102	93.69	ug/l	91
85)	Camphene	6.857	93	19788	18.60	ug/l	88
86)	1,2,3-Trichloropropane	6.863	75	30159	18.50	ug/l	81
87)	2-Chlorotoluene	6.971	91	72464	21.39	ug/l	92
88)	p-Ethyltoluene	6.971	105	83092	19.84	ug/l	77
89)	4-Chlorotoluene	7.025	91	66568	20.16	ug/l	95
90)	n-Propylbenzene	6.911	91	98887	20.51	ug/l	94
91)	Bromobenzene	6.875	77	57722	19.76	ug/l	83
92)	1,3,5-Trimethylbenzene	6.995	105	61027	21.76	ug/l	95
93)	Butyl methacrylate	7.007	41	58633	22.28	ug/l	94
94)	t-Butylbenzene	7.182	119	51002	19.94	ug/l	89
95)	1,2,4-Trimethylbenzene	7.206	105	63599	21.19	ug/l	95
96)	sec-Butylbenzene	7.302	105	67406	19.94	ug/l	91
97)	4-Isopropyltoluene	7.374	119	50138	19.27	ug/l	94
98)	n-Butylbenzene	7.602	91	60928	19.91	ug/l	89
99)	p-Diethylbenzene	7.584	119	25943	18.37	ug/l	97
100)	1,2,4,5-Tetramethylben...	8.029	119	45819	17.52	ug/l	97
101)	1,2-Dibromo-3-Chloropr...	8.065	157	3404	15.28	ug/l	99
102)	Camphor	8.492	95	17343	187.54	ug/l	95
103)	Hexachlorobutadiene	8.648	225	4400	13.91	ug/l	99
104)	1,2,4-Trichlorobenzene	8.552	180	14997	16.73	ug/l	95
105)	1,2,3-Trichlorobenzene	8.847	180	13737	16.81	ug/l	98
106)	Naphthalene	8.702	128	43355	16.78	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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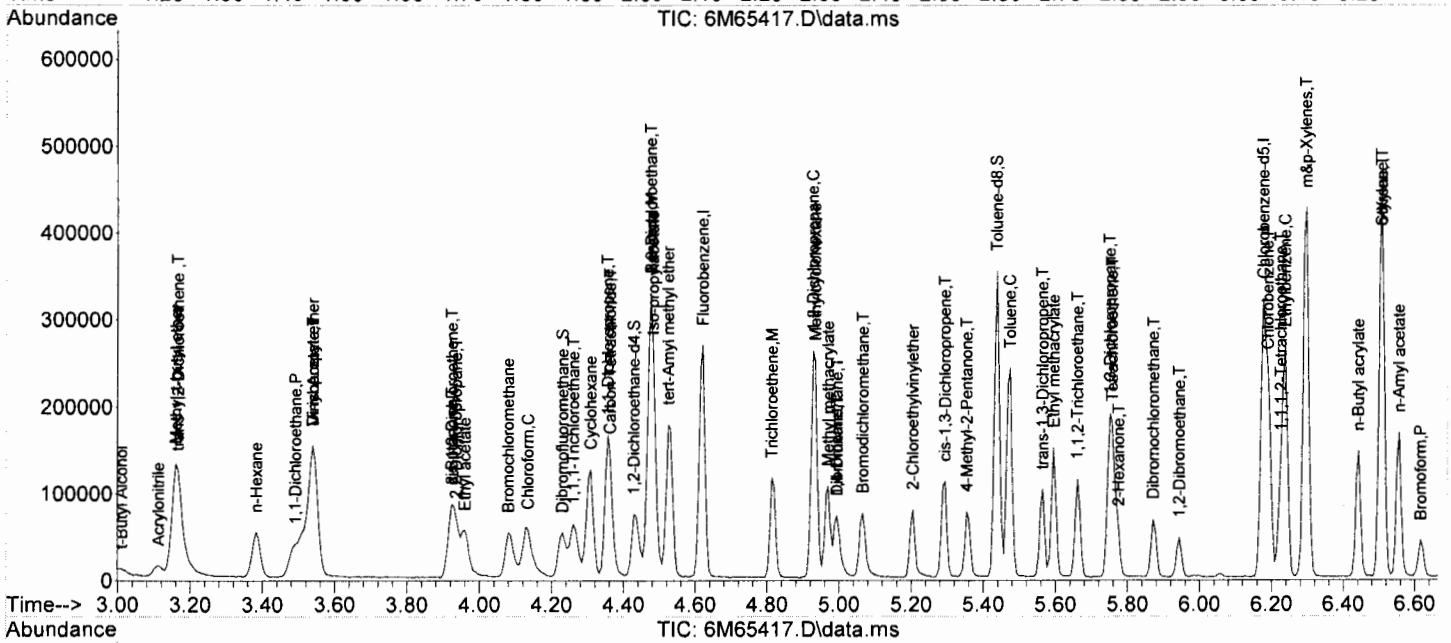
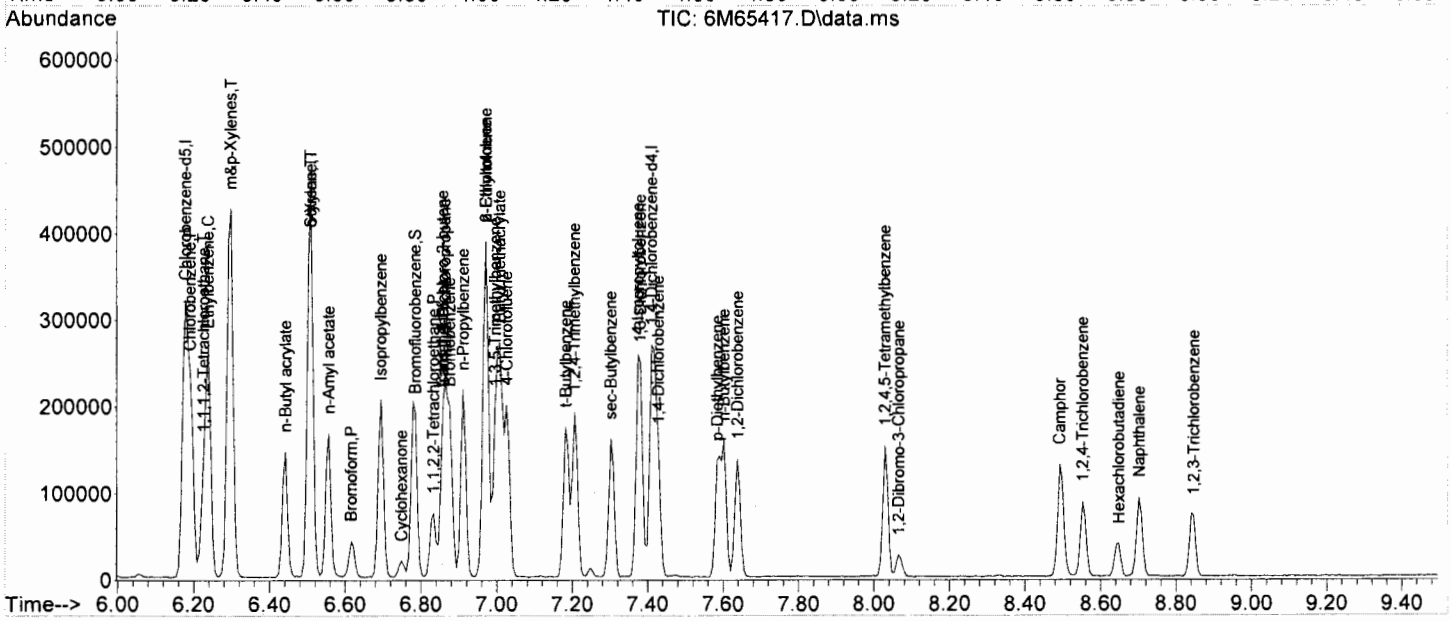
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65417.D
Acq On : 02/11/11 10:15
Operator : SG
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/11/11 10:31
Qt Upd On: 02/09/11 08:38
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65417.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65417.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65522.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/15/2011 1:38:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.62	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.46	15.78				0.622			
Dichlorodifluoromethane	1	0		1.45	14.40	20			0.362	0.260	28.00	
Chloromethane	1	0	CP	1.60	16.96	20	0.1		0.372	0.316	15.20	
Bromomethane	1	0		1.93	12.62	20			0.144	0.127	36.90	
Vinyl Chloride	1	0	CC	1.67	17.85	20	20		0.275	0.246	10.75	
Chloroethane	1	0		2.00	19.68	20			0.173	0.170	1.60	
Trichlorofluoromethane	1	0		2.21	29.47	20			0.222	0.327	47.35	
Ethyl ether	1	0		2.42	19.05	20			0.263	0.251	4.75	
Furan	1	0		2.45	20.14	20			0.953	0.960	0.70	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.61	15.48	20			0.144	0.140	22.60	
Methylene Chloride	1	0		2.94	20.04	20			0.347	0.347	0.20	
Acrolein	1	0		2.50	82.83	100			0.052	0.043	17.17	
Acrylonitrile	1	0		3.12	20.39	20			0.137	0.140	1.95	
Iodomethane	1	0		2.71	16.36	20			0.222	0.262	18.20	
Acetone	1	0		2.61	77.03	100			0.145	0.112	22.97	
Carbon Disulfide	1	0		2.78	31.90	20			0.584	0.986	59.50	
t-Butyl Alcohol	1	0		3.01	95.33	100			0.024	0.023	4.67	
n-Hexane	1	0		3.39	18.82	20			0.256	0.274	5.90	
Di-isopropyl-ether	1	0		3.55	23.63	20			1.394	1.622	18.15	
1.1-Dichloroethene	1	0	CC	2.60	17.66	20	20		0.528	0.466	11.70	
Methyl Acetate	1	0		2.87	19.15	20			0.403	0.385	4.25	
Methyl-t-butyl ether	1	0		3.17	21.82	20			0.628	0.706	9.10	
1.1-Dichloroethane	1	0	CP	3.50	22.76	20	0.1		0.633	0.720	13.80	
trans-1.2-Dichloroethene	1	0		3.17	23.23	20			0.267	0.310	16.15	
cis-1.2-Dichloroethene	1	0		3.93	22.06	20			0.617	0.681	10.30	
Bromochloromethane	1	0		4.09	22.82	20			0.368	0.420	14.10	
2.2-Dichloropropane	1	0		3.94	18.39	20			0.314	0.323	8.05	
Ethyl acetate	1	0		3.97	20.64				0.483			
1.4-Dioxane	1	0		4.99	1111.83	1000			0.003	0.003	11.18	
1.1-Dichloropropene	1	0		4.36	24.60	20			0.387	0.475	23.00	
Chloroform	1	0	CC	4.13	23.04	20	20		0.521	0.600	15.20	
Dibromofluoromethane	1	0	S	4.23	30.60	30			0.273	0.279	2.00	
Cyclohexane	1	0		4.31	21.79	20			0.405	0.477	8.95	
1.2-Dichloroethane-d4	1	0	S	4.43	28.38	30			0.193	0.182	5.40	
1.2-Dichloroethane	1	0		4.48	23.89	20			0.464	0.554	19.45	
2-Butanone	1	0		3.92	20.81	20			0.173	0.180	4.05	
1.1.1-Trichloroethane	1	0		4.27	24.55	20			0.351	0.431	22.75	
Carbon Tetrachloride	1	0		4.37	22.60	20			0.259	0.293	13.00	
Vinyl Acetate	1	0		3.55	30.37	20			0.807	1.345	51.85	
Bromodichloromethane	1	0		5.07	23.47	20			0.379	0.444	17.35	
Methylcyclohexane	1	0		4.93	21.91	20			0.244	0.293	9.55	
Dibromomethane	1	0		4.99	26.51	20			0.121	0.178	32.55	
1.2-Dichloropropane	1	0	CC	4.93	23.35	20	20		0.326	0.380	16.75	
Trichloroethene	1	0		4.82	23.32	20			0.234	0.273	16.60	
Benzene	1	0		4.48	24.86	20			1.089	1.354	24.30	
tert-Amyl methyl ether	1	0		4.53	22.71	20			0.680	0.762	13.55	
Chlorobenzene-d5	1	0	I	6.17	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.49	18.92				1.186			
Methyl methacrylate	1	0		4.97	17.27				0.690			
Dibromochloromethane	1	0		5.87	20.66	20			0.390	0.402	3.30	
2-Chloroethylvinylether	1	0		5.20	15.41	20			0.312	0.289	22.95	
cis-1.3-Dichloropropene	1	0		5.29	16.78	20			0.683	0.641	16.10	
trans-1.3-Dichloropropene	1	0		5.56	14.46	20			0.576	0.482	27.70	
Ethyl methacrylate	1	0		5.59	17.78				0.715			
1.1.2-Trichloroethane	1	0		5.66	20.20	20			0.373	0.377	1.00	
1.2-Dibromoethane	1	0		5.94	18.93	20			0.371	0.351	5.35	
1.3-Dichloropropane	1	0		5.75	20.46	20			0.678	0.694	2.30	
4-Methyl-2-Pentanone	1	0		5.35	15.83	20			0.705	0.648	20.85	
2-Hexanone	1	0		5.77	18.08	20			0.484	0.473	9.60	
Tetrachloroethene	1	0		5.76	21.74	20			0.265	0.288	8.70	
Toluene-d8	1	0	S	5.44	27.69	30			1.485	1.370	7.70	
Toluene	1	0	CC	5.47	21.06	20	20		1.003	1.056	5.30	
1.1.1.2-Tetrachloroethane	1	0		6.23	21.32	20			0.299	0.319	6.60	
Chlorobenzene	1	0	CP	6.19	20.48	20	0.3		1.010	1.034	2.40	
1.4-Dichlorobenzene-d4	1	0	I	7.41	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.44	15.61				2.151			
n-Amyl acetate	1	0		6.55	17.31				2.607			
Bromoform	1	0	CP	6.62	17.93	20	0.1		0.544	0.488	10.35	
Ethylbenzene	1	0	CC	6.24	20.19	20	20		1.038	1.048	0.95	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65522.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/15/2011 1:38:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.83	17.72	20	0.3		1.170	1.037	11.40	
Bromofluorobenzene	1	0	S	6.78	29.86	30			0.822	0.818	0.47	
Styrene	1	0		6.51	21.90	20			2.145	2.302	9.50	
m&p-Xylenes	1	0		6.29	45.15	40			1.202	1.338	12.88	
o-Xylene	1	0		6.50	22.51	20			1.207	1.290	12.55	
trans-1.4-Dichloro-2-butene	1	0		6.86	15.11	20			0.539	0.407	24.45	
1.3-Dichlorobenzene	1	0		7.37	21.48	20			1.348	1.448	7.40	
1.4-Dichlorobenzene	1	0		7.42	18.68	20			1.510	1.410	6.60	
1.2-Dichlorobenzene	1	0		7.64	19.29	20			1.389	1.340	3.55	
Isopropylbenzene	1	0		6.69	20.46	20			2.907	3.006	2.30	
Cyclohexanone	1	0		6.74	209.38				0.044			
Camphene	1	0		6.86	6.70	20			0.805	0.288	66.50	
1.2.3-Trichloropropane	1	0		6.86	18.42	20			1.317	1.213	7.90	
2-Chlorotoluene	1	0		6.97	23.64	20			2.738	3.235	18.20	
p-Ethyltoluene	1	0		6.97	52.46				3.308			
4-Chlorotoluene	1	0		7.03	21.56	20			2.668	2.877	7.80	
n-Propylbenzene	1	0		6.91	20.51	20			3.897	3.995	2.55	
Bromobenzene	1	0		6.87	18.23	20			2.360	2.151	8.85	
1.3.5-Trimethylbenzene	1	0		7.00	21.30	20			2.396	2.413	6.50	
Butyl methacrylate	1	0		7.01	20.61				2.127			
t-Butylbenzene	1	0		7.18	19.46	20			2.008	2.011	2.70	
1.2.4-Trimethylbenzene	1	0		7.21	21.63	20			2.480	2.622	8.15	
sec-Butylbenzene	1	0		7.30	19.30	20			2.637	2.636	3.50	
4-Isopropyltoluene	1	0		7.37	18.86	20			1.936	1.983	5.70	
n-Butylbenzene	1	0		7.60	26.56	20			2.519	3.284	32.80	
p-Diethylbenzene	1	0		7.58	50.86				1.062			
1.2.4.5-Tetramethylbenzene	1	0		8.03	46.04				1.815			
1.2-Dibromo-3-Chloropropane	1	0		8.07	14.91	20			0.160	0.134	25.45	
Camphor	1	0		8.49	44.85	200			0.069	0.017	77.58	
Hexachlorobutadiene	1	0		8.64	16.14	20			0.256	0.206	19.30	
1.2.4-Trichlorobenzene	1	0		8.55	16.32	20			0.724	0.591	18.40	
1.2.3-Trichlorobenzene	1	0		8.84	15.55	20			0.660	0.513	22.25	
Naphthalene	1	0		8.70	13.67	20			1.869	1.427	31.65	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65522.D Sam Mult : 1 Vial# : 5 Qt On : 02/15/11 14:11
Acq On : 02/15/11 13:38 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	169379	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.172	117	119863	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.410	152	57089	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	47240	30.60	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.00%			
38) 1,2-Dichloroethane-d4	4.435	67	30899	28.38	ug/l	-0.01
Spiked Amount 30.000			Recovery = 94.60%			
65) Toluene-d8	5.439	98	164223	27.69	ug/l	-0.01
Spiked Amount 30.000			Recovery = 92.30%			
75) Bromofluorobenzene	6.779	174	46687	29.86	ug/l	-0.02
Spiked Amount 30.000			Recovery = 99.53%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.465	51	55398	15.78	ug/l	91
6) Dichlorodifluoromethane	1.448	85	29396	14.40	ug/l	91
7) Chloromethane	1.603	50	35656	16.96	ug/l	78
8) Bromomethane	1.931	94	14381	12.62	ug/l	89
9) Vinyl Chloride	1.672	62	27744	17.85	ug/l	99
10) Chloroethane	2.000	64	19243	19.68	ug/l	97
11) Trichlorofluoromethane	2.213	101	36892	29.47	ug/l	89
12) Ethyl ether	2.421	59	28302	19.05	ug/l	88
13) Furan	2.445	39	108378	20.14	ug/l	73
14) 1,1,2-Trichloro-1,2,2-...	2.607	101	15766	15.48	ug/l	85
15) Methylene Chloride	2.944	84	39239	20.04	ug/l	73
16) Acrolein	2.499	56	24373	82.83	ug/l	95
17) Acrylonitrile	3.118	53	15823	20.39	ug/l	99
18) Iodomethane	2.710	142	29533	16.36	ug/l	86
19) Acetone	2.613	43	63019	77.03	ug/l	97
20) Carbon Disulfide	2.776	76	111358	31.90	ug/l	100
21) t-Butyl Alcohol	3.010	59	13078	95.33	ug/l	97
22) n-Hexane	3.395	57	30936	18.82	ug/l	98
23) Di-isopropyl-ether	3.545	45	183111	23.63	ug/l	96
24) 1,1-Dichloroethene	2.601	61	52612	17.66	ug/l	89
25) Methyl Acetate	2.866	43	43523	19.15	ug/l	100
26) Methyl-t-butyl ether	3.172	73	79774	21.82	ug/l	81
27) 1,1-Dichloroethane	3.497	63	81293	22.76	ug/l	100
28) trans-1,2-Dichloroethene	3.172	96	34977	23.23	ug/l	91
29) cis-1,2-Dichloroethene	3.930	61	76878	22.06	ug/l	96
30) Bromochloromethane	4.086	49	47464m	22.82	ug/l	
31) 2,2-Dichloropropane	3.942	77	36433	18.39	ug/l	98
32) Ethyl acetate	3.966	43	56311	20.64	ug/l	87
33) 1,4-Dioxane	4.994	88	15665	1111.83	ug/l	58
34) 1,1-Dichloropropene	4.357	75	53691	24.60	ug/l	94
35) Chloroform	4.134	83	67781	23.04	ug/l	83
37) Cyclohexane	4.309	56	53870	21.79	ug/l	76
39) 1,2-Dichloroethane	4.477	62	62553	23.89	ug/l	92
40) 2-Butanone	3.924	43	20291	20.81	ug/l	88
41) 1,1,1-Trichloroethane	4.267	97	48625	24.55	ug/l	96
42) Carbon Tetrachloride	4.369	117	33099	22.60	ug/l	92
43) Vinyl Acetate	3.545	43	151917	30.37	ug/l	100
44) Bromodichloromethane	5.066	83	50182	23.47	ug/l	93
45) Methylcyclohexane	4.934	83	33085	21.91	ug/l	78
46) Dibromomethane	4.994	174	20124	26.51	ug/l	92
47) 1,2-Dichloropropane	4.928	63	42928	23.35	ug/l	96
48) Trichloroethene	4.820	130	30787	23.32	ug/l	88
49) Benzene	4.477	78	152853	24.86	ug/l	100
50) tert-Amyl methyl ether	4.531	73	86071	22.71	ug/l	77
52) Iso-propylacetate	4.489	43	89623	18.92	ug/l	85
53) Methyl methacrylate	4.970	41	52054	17.27	ug/l	85
54) Dibromochloromethane	5.872	129	32148	20.66	ug/l	91
55) 2-Chloroethylvinylether	5.204	63	23123	15.41	ug/l	77
56) cis-1,3-Dichloropropene	5.288	75	51250	16.78	ug/l	90
57) trans-1,3-Dichloropropene	5.559	75	38507	14.46	ug/l	94
58) Ethyl methacrylate	5.595	41	55750	17.78	ug/l	92
59) 1,1,2-Trichloroethane	5.661	97	30133	20.20	ug/l	94
60) 1,2-Dibromoethane	5.944	107	28057	18.93	ug/l	93
61) 1,3-Dichloropropane	5.751	76	55462	20.46	ug/l	96
62) 4-Methyl-2-Pentanone	5.355	43	51806	15.83	ug/l	94
63) 2-Hexanone	5.769	43	37828	18.08	ug/l	92
64) Tetrachloroethene	5.757	164	23040	21.74	ug/l	92
66) Toluene	5.475	92	84397	21.06	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.226	133	25454	21.32	ug/l	71

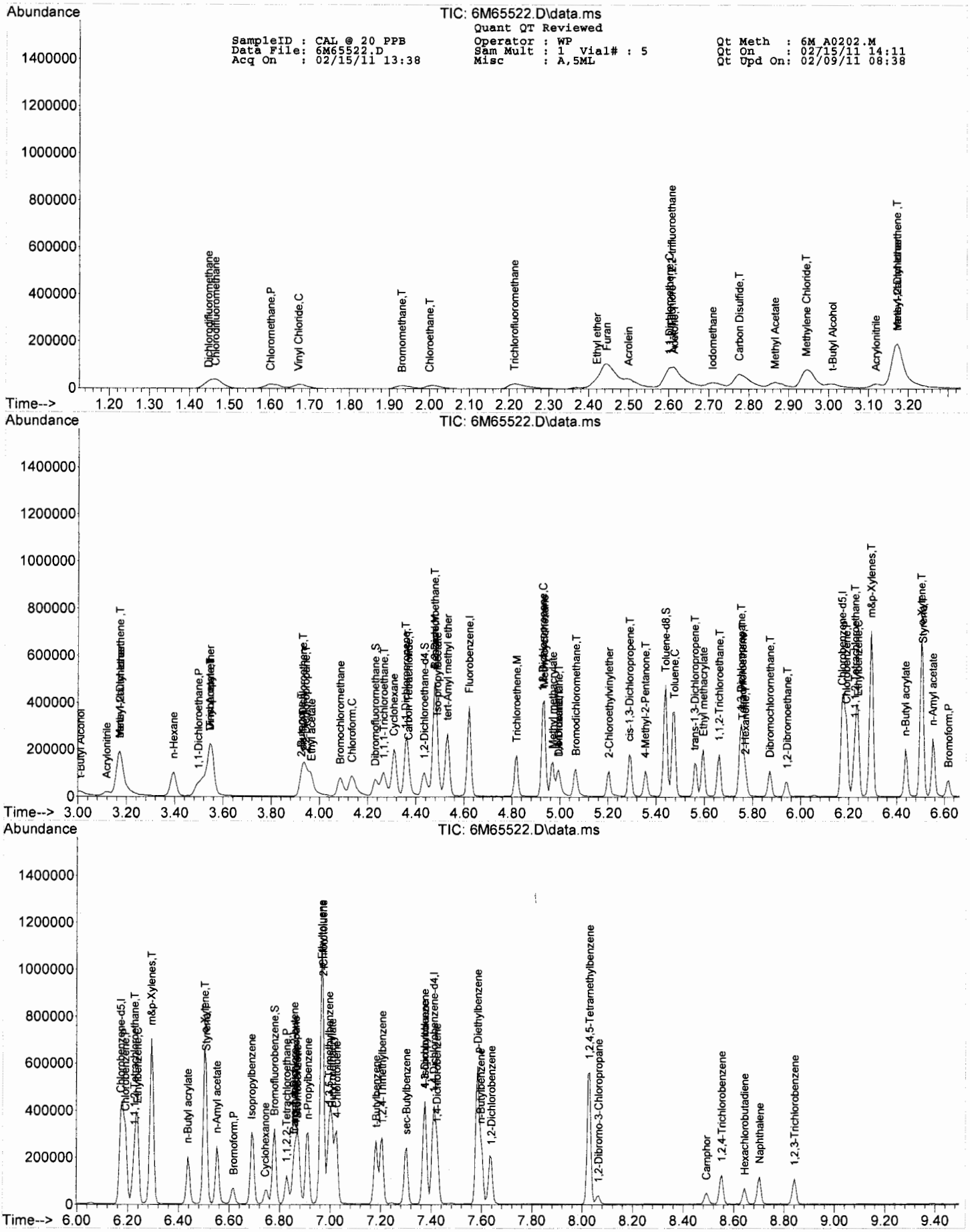
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65522.D Sam Mult : 1 Vial# : 5 Qt On : 02/15/11 14:11
Acq On : 02/15/11 13:38 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.190	112	82644	20.48	ug/l	100
70)	n-Butyl acrylate	6.437	55	74592	15.61	ug/l	93
71)	n-Amyl acetate	6.551	43	90417	17.31	ug/l	94
72)	Bromoform	6.617	173	18564	17.93	ug/l	97
73)	Ethylbenzene	6.238	106	39896	20.19	ug/l	96
74)	1,1,2,2-Tetrachloroethane	6.827	83	39463	17.72	ug/l	89
76)	Styrene	6.509	104	87609	21.90	ug/l	96
77)	m&p-Xylenes	6.292	106	101837	45.15	ug/l	98
78)	o-Xylene	6.503	106	49094	22.51	ug/l	86
79)	trans-1,4-Dichloro-2-b...	6.857	53	15497	15.11	ug/l	99
80)	1,3-Dichlorobenzene	7.374	146	55101	21.48	ug/l	91
81)	1,4-Dichlorobenzene	7.422	146	53662	18.68	ug/l	97
82)	1,2-Dichlorobenzene	7.639	146	50986	19.29	ug/l	95
83)	Isopropylbenzene	6.689	105	114410	20.46	ug/l	98
84)	Cyclohexanone	6.743	55	17533	209.38	ug/l	88
85)	Camphene	6.857	93	10954	6.70	ug/l	87
86)	1,2,3-Trichloropropane	6.863	75	46182	18.42	ug/l	82
87)	2-Chlorotoluene	6.972	91	123136	23.64	ug/l	88
88)	p-Ethyltoluene	6.966	105	337844	52.46	ug/l	78
89)	4-Chlorotoluene	7.026	91	109480	21.56	ug/l	94
90)	n-Propylbenzene	6.911	91	152064	20.51	ug/l	95
91)	Bromobenzene	6.869	77	81884	18.23	ug/l	90
92)	1,3,5-Trimethylbenzene	6.996	105	91838	21.30	ug/l	95
93)	Butyl methacrylate	7.008	41	83424	20.61	ug/l	95
94)	t-Butylbenzene	7.182	119	76538	19.46	ug/l	88
95)	1,2,4-Trimethylbenzene	7.206	105	99794	21.63	ug/l	94
96)	sec-Butylbenzene	7.302	105	100326	19.30	ug/l	94
97)	4-Isopropyltoluene	7.374	119	75455	18.86	ug/l	94
98)	n-Butylbenzene	7.597	91	124999	26.56	ug/l	69
99)	p-Diethylbenzene	7.585	119	110412m	50.86	ug/l	
100)	1,2,4,5-Tetramethylben...	8.030	119	185090	46.04	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.066	157	5106	14.91	ug/l	92
102)	Camphor	8.492	95	6377	44.85	ug/l	99
103)	Hexachlorobutadiene	8.643	225	7847	16.14	ug/l	95
104)	1,2,4-Trichlorobenzene	8.553	180	22505	16.32	ug/l	95
105)	1,2,3-Trichlorobenzene	8.841	180	19538	15.55	ug/l	98
106)	Naphthalene	8.703	128	54309	13.67	ug/l	100

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


Abundance
TIC: 6M65522.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65522.D
Acq On : 02/15/11 13:38
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 14:11
Qt Upd On: 02/09/11 08:38
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65640.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/18/2011 4:42:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.63	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.44	22.23				0.622			
Dichlorodifluoromethane	1	0		1.43	16.50	20			0.362	0.298	17.50	
Chloromethane	1	0	CP	1.58	20.38	20	0.1		0.372	0.380	1.90	
Bromomethane	1	0		1.92	17.46	20			0.144	0.176	12.70	
Vinyl Chloride	1	0	CC	1.66	19.93	20	20		0.275	0.274	0.35	
Chloroethane	1	0		2.00	21.70	20			0.173	0.188	8.50	
Trichlorofluoromethane	1	0		2.20	28.86	20			0.222	0.320	44.30	
Ethyl ether	1	0		2.41	18.67	20			0.263	0.246	6.65	
Furan	1	0		2.44	18.31	20			0.953	0.872	8.45	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.60	16.60	20			0.144	0.150	17.00	
Methylene Chloride	1	0		2.95	19.21	20			0.347	0.333	3.95	
Acrolein	1	0		2.50	65.75	100			0.052	0.034	34.25	
Acrylonitrile	1	0		3.12	17.49	20			0.137	0.120	12.55	
Iodomethane	1	0		2.71	13.53	20			0.222	0.234	32.35	
Acetone	1	0		2.61	69.97	100			0.145	0.101	30.03	
Carbon Disulfide	1	0		2.78	15.44	20			0.584	0.453	22.80	
t-Butyl Alcohol	1	0		3.02	98.33	100			0.024	0.024	1.67	
n-Hexane	1	0		3.40	15.52	20			0.256	0.226	22.40	
Di-isopropyl-ether	1	0		3.56	22.05	20			1.394	1.513	10.25	
1.1-Dichloroethene	1	0	CC	2.60	16.42	20	20		0.528	0.433	17.90	
Methyl Acetate	1	0		2.87	17.65	20			0.403	0.355	11.75	
Methyl-t-butyl ether	1	0		3.17	21.91	20			0.628	0.709	9.55	
1.1-Dichloroethane	1	0	CP	3.50	22.31	20	0.1		0.633	0.706	11.55	
trans-1.2-Dichloroethene	1	0		3.17	23.52	20			0.267	0.314	17.60	
cis-1.2-Dichloroethene	1	0		3.94	20.58	20			0.617	0.635	2.90	
Bromochloromethane	1	0		4.09	22.35	20			0.368	0.412	11.75	
2.2-Dichloropropane	1	0		3.94	22.88	20			0.314	0.401	14.40	
Ethyl acetate	1	0		3.97	18.38				0.483			
1.4-Dioxane	1	0		5.01	1024.67	1000			0.003	0.003	2.47	
1.1-Dichloropropene	1	0		4.37	22.77	20			0.387	0.440	13.85	
Chloroform	1	0	CC	4.14	22.99	20	20		0.521	0.599	14.95	
Dibromofluoromethane	1	0	S	4.24	32.08	30			0.273	0.292	6.93	
Cyclohexane	1	0		4.32	19.82	20			0.405	0.434	0.90	
1.2-Dichloroethane-d4	1	0	S	4.44	31.77	30			0.193	0.204	5.90	
1.2-Dichloroethane	1	0		4.48	23.66	20			0.464	0.549	18.30	
2-Butanone	1	0		3.94	22.99	20			0.173	0.198	14.95	
1.1.1-Trichloroethane	1	0		4.27	24.15	20			0.351	0.424	20.75	
Carbon Tetrachloride	1	0		4.37	25.10	20			0.259	0.326	25.50	
Vinyl Acetate	1	0		3.53	24.25	20			0.807	1.074	21.25	
Bromodichloromethane	1	0		5.08	23.64	20			0.379	0.448	18.20	
Methylcyclohexane	1	0		4.95	19.79	20			0.244	0.265	1.05	
Dibromomethane	1	0		5.01	28.11	20			0.121	0.189	40.55	
1.2-Dichloropropane	1	0	CC	4.95	21.89	20	20		0.326	0.356	9.45	
Trichloroethene	1	0		4.83	22.67	20			0.234	0.265	13.35	
Benzene	1	0		4.49	23.23	20			1.089	1.265	16.15	
tert-Amyl methyl ether	1	0		4.54	21.89	20			0.680	0.735	9.45	
Chlorobenzene-d5	1	0	I	6.19	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.50	20.89				1.186			
Methyl methacrylate	1	0		4.98	19.08				0.690			
Dibromochloromethane	1	0		5.89	23.39	20			0.390	0.456	16.95	
2-Chloroethylvinylether	1	0		5.22	16.70	20			0.312	0.314	16.50	
cis-1.3-Dichloropropene	1	0		5.31	20.85	20			0.683	0.797	4.25	
trans-1.3-Dichloropropene	1	0		5.58	21.04	20			0.576	0.701	5.20	
Ethyl methacrylate	1	0		5.61	19.01				0.715			
1.1.2-Trichloroethane	1	0		5.67	22.09	20			0.373	0.412	10.45	
1.2-Dibromoethane	1	0		5.96	22.97	20			0.371	0.426	14.85	
1.3-Dichloropropane	1	0		5.76	22.89	20			0.678	0.776	14.45	
4-Methyl-2-Pentanone	1	0		5.37	16.49	20			0.705	0.675	17.55	
2-Hexanone	1	0		5.79	16.98	20			0.484	0.445	15.10	
Tetrachloroethene	1	0		5.78	23.08	20			0.265	0.306	15.40	
Toluene-d8	1	0	S	5.45	30.09	30			1.485	1.489	0.30	
Toluene	1	0	CC	5.49	22.58	20	20		1.003	1.132	12.90	
1.1.1.2-Tetrachloroethane	1	0		6.24	23.53	20			0.299	0.351	17.65	
Chlorobenzene	1	0	CP	6.21	22.18	20	0.3		1.010	1.120	10.90	
1.4-Dichlorobenzene-d4	1	0	I	7.43	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.45	16.09				2.151			
n-Amyl acetate	1	0		6.57	17.82				2.607			
Bromoform	1	0	CP	6.63	21.72	20	0.1		0.544	0.591	8.60	
Ethylbenzene	1	0	CC	6.25	21.53	20	20		1.038	1.118	7.65	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 6M65640.D **Instrument:** GCMS 6

Cont Calibration Date/Time 2/18/2011 4:42:00 P Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.85	17.33	20	0.3		1.170	1.014	13.35	
Bromofluorobenzene	1	0	S	6.80	31.40	30			0.822	0.860	4.67	
Styrene	1	0		6.53	24.54	20			2.145	2.579	22.70	
m&p-Xylenes	1	0		6.31	49.88	40			1.202	1.478	24.70	
o-Xylene	1	0		6.52	24.35	20			1.207	1.395	21.75	
trans-1.4-Dichloro-2-butene	1	0		6.88	22.15	20			0.539	0.597	10.75	
1.3-Dichlorobenzene	1	0		7.40	22.02	20			1.348	1.485	10.10	
1.4-Dichlorobenzene	1	0		7.44	20.27	20			1.510	1.530	1.35	
1.2-Dichlorobenzene	1	0		7.66	19.30	20			1.389	1.340	3.50	
Isopropylbenzene	1	0		6.71	22.42	20			2.907	3.294	12.10	
Cyclohexanone	1	0		6.77	77.39				0.044			
Camphene	1	0		6.88	21.32	20			0.805	0.916	6.60	
1.2.3-Trichloropropane	1	0		6.88	21.21	20			1.317	1.397	6.05	
2-Chlorotoluene	1	0		6.99	22.04	20			2.738	3.017	10.20	
p-Ethyltoluene	1	0		6.98	23.55				3.308			
4-Chlorotoluene	1	0		7.04	21.84	20			2.668	2.914	9.20	
n-Propylbenzene	1	0		6.92	22.53	20			3.897	4.389	12.65	
Bromobenzene	1	0		6.89	22.09	20			2.360	2.607	10.45	
1.3.5-Trimethylbenzene	1	0		7.01	22.51	20			2.396	2.550	12.55	
Butyl methacrylate	1	0		7.03	20.52				2.127			
t-Butylbenzene	1	0		7.20	21.17	20			2.008	2.188	5.85	
1.2.4-Trimethylbenzene	1	0		7.22	22.74	20			2.480	2.756	13.70	
sec-Butylbenzene	1	0		7.32	20.38	20			2.637	2.783	1.90	
4-Isopropyltoluene	1	0		7.39	20.03	20			1.936	2.106	0.15	
n-Butylbenzene	1	0		7.61	20.72	20			2.519	2.562	3.60	
p-Diethylbenzene	1	0		7.60	18.53				1.062			
1.2.4.5-Tetramethylbenzene	1	0		8.05	15.54				1.815			
1.2-Dibromo-3-Chloropropane	1	0		8.08	14.90	20			0.160	0.134	25.50	
Camphor	1	0		8.51	137.39	200			0.069	0.051	31.31	
Hexachlorobutadiene	1	0		8.66	16.92	20			0.256	0.216	15.40	
1.2.4-Trichlorobenzene	1	0		8.57	17.22	20			0.724	0.624	13.90	
1.2.3-Trichlorobenzene	1	0		8.86	15.93	20			0.660	0.526	20.35	
Naphthalene	1	0		8.72	14.24	20			1.869	1.487	28.80	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65640.D Sam Mult : 1 Vial# : 4 Qt On : 02/18/11 16:53
Acq On : 02/18/11 16:42 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.633	96	165941	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.190	117	98953	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.428	152	44491	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.236	111	48527	32.08	ug/l	-0.01
Spiked Amount 30.000			Recovery =	106.93%		
38) 1,2-Dichloroethane-d4	4.441	67	33891	31.77	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.90%		
65) Toluene-d8	5.451	98	147355	30.09	ug/l	0.00
Spiked Amount 30.000			Recovery =	100.30%		
75) Bromofluorobenzene	6.797	174	38263	31.40	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.67%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.437	51	76443	22.23	ug/l	78
6) Dichlorodifluoromethane	1.431	85	33000	16.50	ug/l	87
7) Chloromethane	1.575	50	41985	20.38	ug/l	79
8) Bromomethane	1.921	94	19521	17.46	ug/l	86
9) Vinyl Chloride	1.662	62	30360	19.93	ug/l	96
10) Chloroethane	2.001	64	20784	21.70	ug/l	94
11) Trichlorofluoromethane	2.203	101	35399	28.86	ug/l	85
12) Ethyl ether	2.415	59	27181	18.67	ug/l	84
13) Furan	2.445	39	96504	18.31	ug/l	74
14) 1,1,2-Trichloro-1,2,2-...	2.595	101	16560	16.60	ug/l	91
15) Methylene Chloride	2.950	84	36837	19.21	ug/l	79
16) Acrolein	2.499	56	18955	65.75	ug/l	99
17) Acrylonitrile	3.124	53	13295	17.49	ug/l	95
18) Iodomethane	2.709	142	25923	13.53	ug/l	96
19) Acetone	2.613	43	56078	69.97	ug/l	95
20) Carbon Disulfide	2.776	76	50068	15.44	ug/l	100
21) t-Butyl Alcohol	3.016	59	13216	98.33	ug/l	95
22) n-Hexane	3.401	57	24996	15.52	ug/l	96
23) Di-isopropyl-ether	3.557	45	167380	22.05	ug/l	96
24) 1,1-Dichloroethene	2.595	61	47933	16.42	ug/l	91
25) Methyl Acetate	2.866	43	39307	17.65	ug/l	100
26) Methyl-t-butyl ether	3.172	73	78462	21.91	ug/l	79
27) 1,1-Dichloroethane	3.497	63	78058	22.31	ug/l	99
28) trans-1,2-Dichloroethene	3.172	96	34688	23.52	ug/l	92
29) cis-1,2-Dichloroethene	3.936	61	70268	20.58	ug/l	95
30) Bromochloromethane	4.092	49	45551m	22.35	ug/l	
31) 2,2-Dichloropropane	3.942	77	44408	22.88	ug/l	96
32) Ethyl acetate	3.972	43	49141	18.38	ug/l	89
33) 1,4-Dioxane	5.006	88	14144	1024.67	ug/l	52
34) 1,1-Dichloropropene	4.369	75	48689	22.77	ug/l	94
35) Chloroform	4.140	83	66262	22.99	ug/l	84
37) Cyclohexane	4.320	56	47990	19.82	ug/l	77
39) 1,2-Dichloroethane	4.483	62	60681	23.66	ug/l	94
40) 2-Butanone	3.936	43	21955	22.99	ug/l	89
41) 1,1,1-Trichloroethane	4.272	97	46857	24.15	ug/l	97
42) Carbon Tetrachloride	4.375	117	36021	25.10	ug/l	95
43) Vinyl Acetate	3.527	43	118808	24.25	ug/l	100
44) Bromodichloromethane	5.078	83	49526	23.64	ug/l	98
45) Methylcyclohexane	4.946	83	29269	19.79	ug/l	76
46) Dibromomethane	5.006	174	20904	28.11	ug/l	90
47) 1,2-Dichloropropane	4.946	63	39430	21.89	ug/l	96
48) Trichloroethene	4.831	130	29314	22.67	ug/l	91
49) Benzene	4.489	78	139938	23.23	ug/l	100
50) tert-Amyl methyl ether	4.543	73	81258	21.89	ug/l	75
52) Iso-propylacetate	4.501	43	81716	20.89	ug/l	86
53) Methyl methacrylate	4.982	41	47492	19.08	ug/l	84
54) Dibromochloromethane	5.889	129	30049	23.39	ug/l	93
55) 2-Chloroethylvinylether	5.216	63	20689	16.70	ug/l	73
56) cis-1,3-Dichloropropene	5.306	75	52578	20.85	ug/l	91
57) trans-1,3-Dichloropropene	5.577	75	46257	21.04	ug/l	99
58) Ethyl methacrylate	5.607	41	49201	19.01	ug/l	93
59) 1,1,2-Trichloroethane	5.673	97	27196	22.09	ug/l	93
60) 1,2-Dibromoethane	5.956	107	28114	22.97	ug/l	93
61) 1,3-Dichloropropane	5.763	76	51223	22.89	ug/l	98
62) 4-Methyl-2-Pentanone	5.372	43	44534	16.49	ug/l	96
63) 2-Hexanone	5.787	43	29342	16.98	ug/l	95
64) Tetrachloroethene	5.775	164	20193	23.08	ug/l	99
66) Toluene	5.487	92	74694	22.58	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.238	133	23187	23.53	ug/l	71

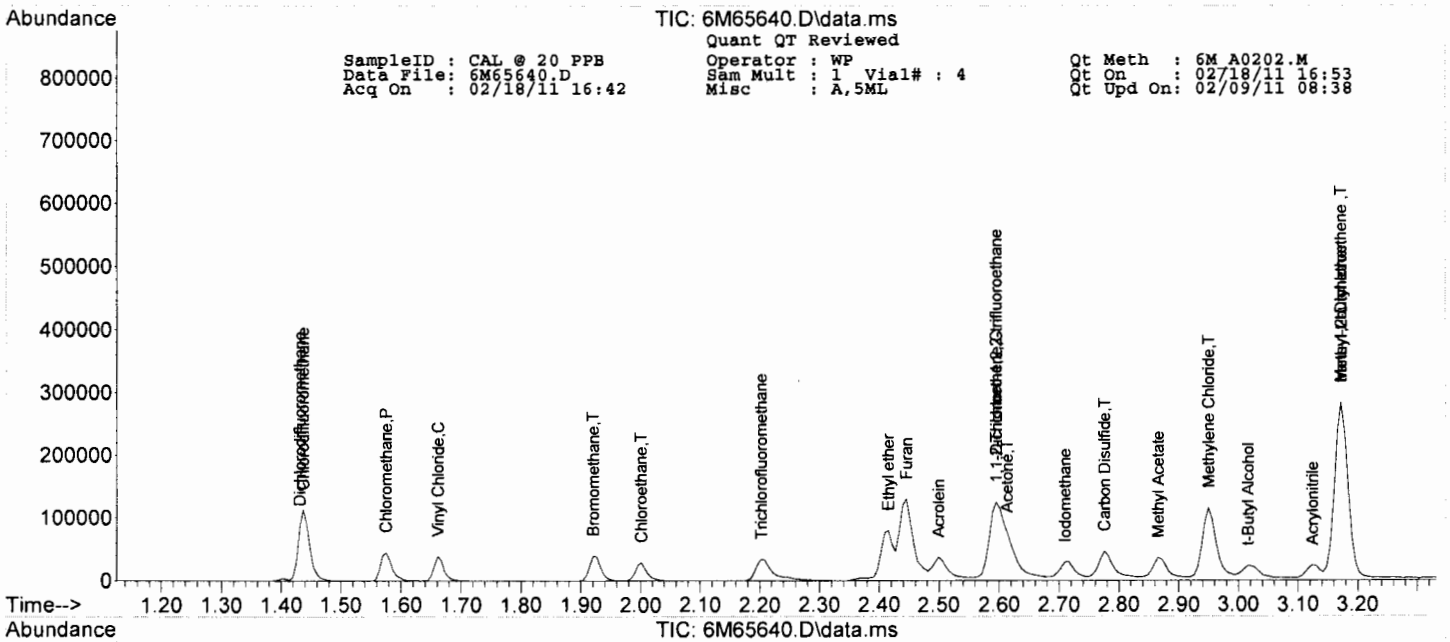
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65640.D Sam Mult : 1 Vial# : 4 Qt On : 02/18/11 16:53
Acq On : 02/18/11 16:42 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.208	112	73884	22.18 ug/l	96
70)	n-Butyl acrylate	6.454	55	59923	16.09 ug/l	93
71)	n-Amyl acetate	6.569	43	72540	17.82 ug/l	94
72)	Bromoform	6.635	173	17531	21.72 ug/l	99
73)	Ethylbenzene	6.250	106	33160	21.53 ug/l	99
74)	1,1,2,2-Tetrachloroethane	6.845	83	30066	17.33 ug/l	90
76)	Styrene	6.527	104	76502	24.54 ug/l	96
77)	m&p-Xylenes	6.310	106	87683	49.88 ug/l	98
78)	o-Xylene	6.521	106	41386	24.35 ug/l	92
79)	trans-1,4-Dichloro-2-b...	6.875	53	17700	22.15 ug/l	69
80)	1,3-Dichlorobenzene	7.398	146	44032	22.02 ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	45387	20.27 ug/l	95
82)	1,2-Dichlorobenzene	7.657	146	39756	19.30 ug/l	94
83)	Isopropylbenzene	6.707	105	97710	22.42 ug/l	98
84)	Cyclohexanone	6.767	55	5050	77.39 ug/l	84
85)	Camphene	6.875	93	27175	21.32 ug/l	88
86)	1,2,3-Trichloropropane	6.881	75	41444	21.21 ug/l	81
87)	2-Chlorotoluene	6.989	91	89480	22.04 ug/l	94
88)	p-Ethyltoluene	6.983	105	118161	23.55 ug/l	74
89)	4-Chlorotoluene	7.044	91	86440	21.84 ug/l	93
90)	n-Propylbenzene	6.923	91	130173	22.53 ug/l	97
91)	Bromobenzene	6.887	77	77340	22.09 ug/l	88
92)	1,3,5-Trimethylbenzene	7.013	105	75625	22.51 ug/l	87
93)	Butyl methacrylate	7.026	41	64735	20.52 ug/l	96
94)	t-Butylbenzene	7.200	119	64910	21.17 ug/l	88
95)	1,2,4-Trimethylbenzene	7.224	105	81757	22.74 ug/l	94
96)	sec-Butylbenzene	7.320	105	82554	20.38 ug/l	95
97)	4-Isopropyltoluene	7.386	119	62457	20.03 ug/l	94
98)	n-Butylbenzene	7.615	91	75996	20.72 ug/l	88
99)	p-Diethylbenzene	7.603	119	31347	18.53 ug/l	95
100)	1,2,4,5-Tetramethylben...	8.047	119	48680	15.54 ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.083	157	3978	14.90 ug/l	96
102)	Camphor	8.510	95	15225	137.39 ug/l	98
103)	Hexachlorobutadiene	8.661	225	6412	16.92 ug/l	96
104)	1,2,4-Trichlorobenzene	8.570	180	18503	17.22 ug/l	96
105)	1,2,3-Trichlorobenzene	8.859	180	15595	15.93 ug/l	98
106)	Naphthalene	8.721	128	44110	14.24 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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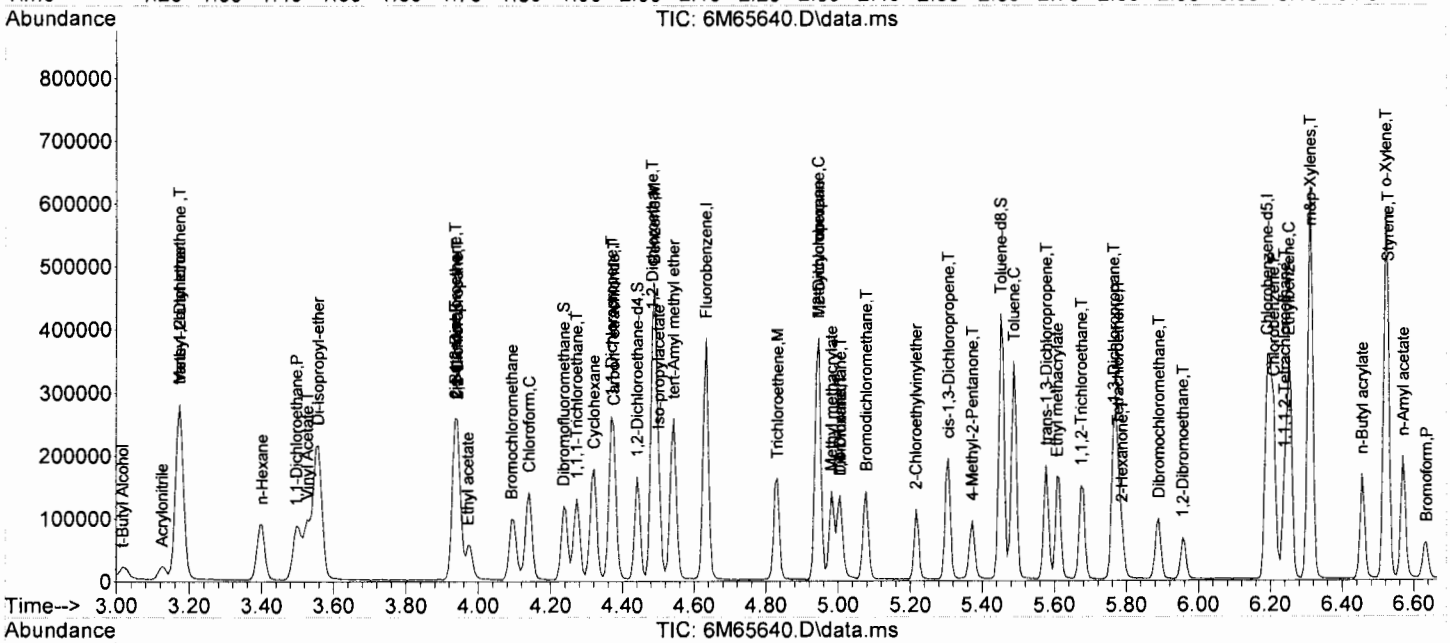
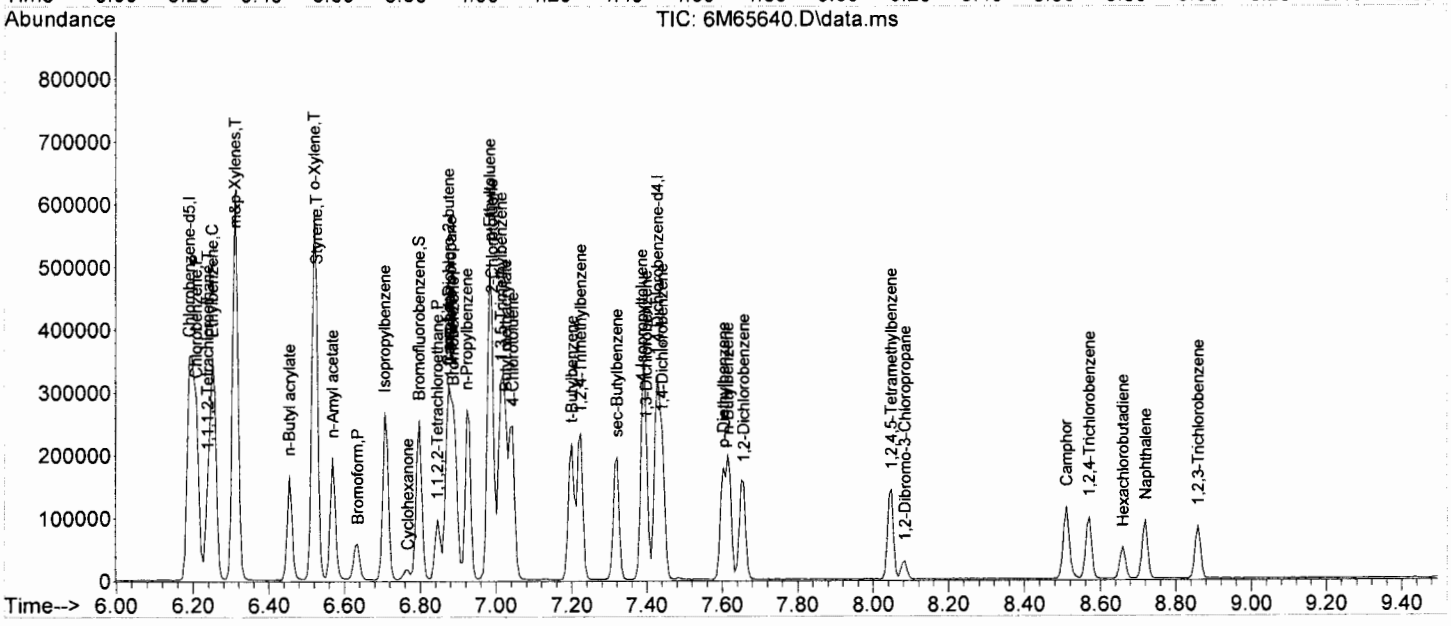
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 6M65640.D
Acq On : 02/18/11 16:42
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/18/11 16:53
Qt Upd On: 02/09/11 08:38
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,I
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 6M65640.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate
Di-Isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
Iso-propylacetate
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
Styrene,T
o-Xylene,T
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65640.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,T
1,1,1,2-Tetrachloroethane,C
m&p-Xylenes,T
n-Butyl acrylate
Styrene,T
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88070.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/22/2011 10:25:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.56	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.27	19.37				0.512			
Dichlorodifluoromethane	1	0		1.27	15.42	20			0.169	0.148	22.90	
Chloromethane	1	0	CP	1.39	22.92	20	0.1		0.245	0.281	14.60	
Bromomethane	1	0		1.72	20.95	20			0.058	0.061	4.75	
Vinyl Chloride	1	0	CC	1.47	20.48	20	20		0.137	0.156	2.40	
Chloroethane	1	0		1.79	23.94	20			0.021	0.020	19.70	
Trichlorofluoromethane	1	0		1.97	21.77	20			0.105	0.125	8.85	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.35	34.97	20			0.076	0.132	74.85	
Methylene Chloride	1	0		2.73	23.29	20			0.209	0.243	16.45	
Acrolein	1	0		2.30	205.87	100			0.012	0.026	105.87	
Acrylonitrile	1	0		2.94	21.00	20			0.099	0.105	5.00	
Iodomethane	1	0		2.49	22.80	20			0.284	0.320	14.00	
Acetone	1	0		2.42	92.16	100			0.103	0.095	7.84	
Carbon Disulfide	1	0		2.54	22.86	20			0.587	0.687	14.30	
t-Butyl Alcohol	1	0		2.83	60.87	100			0.016	0.012	39.13	
n-Hexane	1	0		3.15	23.14	20			0.107	0.154	15.70	
Di-isopropyl-ether	1	0		3.33	23.75	20			0.959	1.121	18.75	
1.1-Dichloroethene	1	0	CC	2.36	22.67	20	20		0.306	0.336	13.35	
Methyl Acetate	1	0		2.66	19.95	20			0.313	0.312	0.25	
Methyl-t-butyl ether	1	0		2.95	22.96	20			0.378	0.425	14.80	
1.1-Dichloroethane	1	0	CP	3.29	22.16	20	0.1		0.433	0.480	10.80	
trans-1.2-Dichloroethene	1	0		2.95	26.64	20			0.161	0.192	33.20	
cis-1.2-Dichloroethene	1	0		3.77	21.75	20			0.409	0.444	8.75	
Bromochloromethane	1	0		3.95	22.00	20			0.313	0.344	10.00	
2.2-Dichloropropane	1	0		3.77	26.00	20			0.221	0.274	30.00	
1.4-Dioxane	1	0		5.01	977.84	1000			0.003	0.003	2.22	
1.1-Dichloropropene	1	0		4.25	23.74	20			0.296	0.373	18.70	
Chloroform	1	0	CC	4.01	22.93	20	20		0.382	0.438	14.65	
Dibromofluoromethane	1	0	S	4.12	30.42	30			0.253	0.256	1.40	
Cyclohexane	1	0		4.18	23.25	20			0.255	0.349	16.25	
1.2-Dichloroethane-d4	1	0	S	4.35	30.45	30			0.058	0.058	1.50	
1.2-Dichloroethane	1	0		4.41	23.85	20			0.399	0.475	19.25	
2-Butanone	1	0		3.79	18.34	20			0.187	0.187	8.30	
1.1.1-Trichloroethane	1	0		4.14	23.11	20			0.273	0.321	15.55	
Carbon Tetrachloride	1	0		4.25	23.43	20			0.213	0.268	17.15	
Vinyl Acetate	1	0		3.33	22.54	20			1.133	1.259	12.70	
Bromodichloromethane	1	0		5.09	22.69	20			0.373	0.423	13.45	
Methylcyclohexane	1	0		4.90	24.66	20			0.160	0.229	23.30	
Dibromomethane	1	0		5.01	26.29	20			0.231	0.293	31.45	
1.2-Dichloropropane	1	0	CC	4.93	21.90	20	20		0.361	0.413	9.50	
Trichloroethene	1	0		4.78	22.86	20			0.242	0.283	14.30	
Benzene	1	0		4.39	23.63	20			0.952	1.125	18.15	
tert-Amyl methyl ether	1	0		4.45	18.84	20			0.527	0.554	5.80	
Chlorobenzene-d5	1	0	I	6.40	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.05	18.54	20			0.349	0.365	7.30	
2-Chloroethylvinylether	1	0		5.26	17.50	20			0.255	0.272	12.50	
cis-1.3-Dichloropropene	1	0		5.36	19.50	20			0.531	0.587	2.50	
trans-1.3-Dichloropropene	1	0		5.69	17.22	20			0.472	0.481	13.90	
1.1.2-Trichloroethane	1	0		5.81	21.88	20			0.315	0.345	9.40	
1.2-Dibromoethane	1	0		6.13	20.04	20			0.370	0.386	0.20	
1.3-Dichloropropane	1	0		5.91	24.67	20			0.588	0.674	23.35	
4-Methyl-2-Pentanone	1	0		5.45	15.35	20			0.582	0.556	23.25	
2-Hexanone	1	0		5.94	14.44	20			0.424	0.390	27.80	
Tetrachloroethene	1	0		5.90	22.42	20			0.242	0.293	12.10	
Toluene-d8	1	0	S	5.52	29.63	30			0.827	0.817	1.23	
Toluene	1	0	CC	5.57	22.97	20	20		0.721	0.827	14.85	
1.1.1.2-Tetrachloroethane	1	0		6.46	24.81	20			0.277	0.333	24.05	
Chlorobenzene	1	0	CP	6.41	22.30	20	0.3		0.853	0.951	11.50	
1.4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.92	18.44	20	0.1		0.488	0.469	7.80	
Ethylbenzene	1	0	CC	6.46	22.89	20	20		0.492	0.564	14.45	
1.1.2.2-Tetrachloroethane	1	0	CP	7.17	21.35	20	0.3		0.848	0.845	6.75	
Bromofluorobenzene	1	0	S	7.10	28.64	30			0.894	0.854	4.53	
Styrene	1	0		6.78	23.48	20			1.312	1.527	17.40	
m&p-Xylenes	1	0		6.53	51.19	40			0.671	0.847	27.98	
o-Xylene	1	0		6.77	24.56	20			0.716	0.865	22.80	
trans-1.4-Dichloro-2-butene	1	0		7.20	15.64	20			0.330	0.266	21.80	
1.3-Dichlorobenzene	1	0		7.78	22.27	20			1.027	1.167	11.35	
1.4-Dichlorobenzene	1	0		7.83	21.84	20			1.106	1.208	9.20	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88070.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/22/2011 10:25:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.08	21.51	20			1.079	1.160	7.55	
Isopropylbenzene	1	0		6.99	21.09	20			1.593	1.763	5.45	
Cyclohexanone	1	0		7.08	42.35				0.049			
Camphene	1	0		7.17	22.62	20			0.381	0.453	13.10	
1.2.3-Trichloropropane	1	0		7.20	18.49	20			0.963	0.957	7.55	
2-Chlorotoluene	1	0		7.31	23.62	20			1.220	1.419	18.10	
p-Ethyltoluene	1	0		7.30	21.41				1.739			
4-Chlorotoluene	1	0		7.38	24.23	20			1.284	1.425	21.15	
n-Propylbenzene	1	0		7.24	22.56	20			2.053	2.374	12.80	
Bromobenzene	1	0		7.20	20.60	20			1.524	1.570	3.00	
1.3.5-Trimethylbenzene	1	0		7.33	22.89	20			1.267	1.581	14.45	
t-Butylbenzene	1	0		7.54	21.61	20			1.127	1.279	8.05	
1.2.4-Trimethylbenzene	1	0		7.57	23.80	20			1.405	1.710	19.00	
sec-Butylbenzene	1	0		7.68	21.09	20			1.378	1.589	5.45	
4-Isopropyltoluene	1	0		7.76	24.07	20			1.050	1.295	20.35	
n-Butylbenzene	1	0		8.02	22.65	20			1.284	1.527	13.25	
p-Diethylbenzene	1	0		8.00	20.82				0.600			
1.2.4.5-Tetramethylbenzene	1	0		8.51	18.24				1.074			
1.2-Dibromo-3-Chloropropane	1	0		8.57	12.67	20			0.174	0.150	36.65	
Camphor	1	0		9.05	132.71	200			0.067	0.056	33.65	
Hexachlorobutadiene	1	0		9.20	19.32	20			0.291	0.282	3.40	
1.2.4-Trichlorobenzene	1	0		9.11	20.50	20			0.625	0.666	2.50	
1.2.3-Trichlorobenzene	1	0		9.44	18.68	20			0.605	0.598	6.60	
Naphthalene	1	0		9.29	16.33	20			1.660	1.534	18.35	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Ethyl Ether	1	100		0.00	0.00	20				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
Furan	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (Not Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88070.D Sam Mult : 1 Vial# : 3 Qt On : 02/22/11 10:36
Acq On : 02/22/11 10:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.562	96	187011	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.396	117	167928	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.815	152	105364	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.123	111	47959	30.42	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.40%			
35) 1,2-Dichloroethane-d4	4.351	102	10939	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.50%			
59) Toluene-d8	5.524	100	137219	29.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.77%			
67) Bromofluorobenzene	7.099	174	89962	28.64	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.47%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.274	51	55446	19.37	ug/l	93
6) Dichlorodifluoromethane	1.274	85	18392	15.42	ug/l	98
7) Chloromethane	1.390	50	35035	22.92	ug/l	87
8) Bromomethane	1.723	94	7626	20.95	ug/l	99
9) Vinyl Chloride	1.474	62	19469	20.48	ug/l	95
10) Chloroethane	1.790	66	2442	23.94	ug/l	79
11) Trichlorofluoromethane	1.972	101	15603	21.77	ug/l	100
12) 1,1,2-Trichloro-1,2,2-...	2.355	101	16516	34.97	ug/l	96
13) Methylene Chloride	2.734	84	30348	23.29	ug/l	94
14) Acrolein	2.301	56	15979	205.87	ug/l	97
15) Acrylonitrile	2.938	53	13065	21.00	ug/l	100
16) Iodomethane	2.487	142	39863	22.80	ug/l	91
17) Acetone	2.421	43	59343	92.16	ug/l	100
18) Carbon Disulfide	2.535	76	85713	22.86	ug/l	100
19) t-Butyl Alcohol	2.830	59	7397	60.87	ug/l	77
20) n-Hexane	3.155	57	19228	23.14	ug/l	78
21) Di-isopropyl-ether	3.335	45	139794	23.75	ug/l	77
22) 1,1-Dichloroethene	2.361	61	41932	22.67	ug/l	82
23) Methyl Acetate	2.661	43	38932	19.95	ug/l	100
24) Methyl-t-butyl ether	2.950	73	52969	22.96	ug/l	89
25) 1,1-Dichloroethane	3.293	63	59851	22.16	ug/l	95
26) trans-1,2-Dichloroethene	2.950	96	23883	26.64	ug/l	96
27) cis-1,2-Dichloroethene	3.768	61	55395	21.75	ug/l	85
28) Bromochloromethane	3.954	49	42922	22.00	ug/l	93
29) 2,2-Dichloropropane	3.768	77	34133	26.00	ug/l	86
30) 1,4-Dioxane	5.013	88	18669	977.84	ug/l	71
31) 1,1-Dichloropropene	4.249	75	46467	23.74	ug/l	98
32) Chloroform	4.008	83	54580	22.93	ug/l	99
34) Cyclohexane	4.177	56	43479	23.25	ug/l	82
36) 1,2-Dichloroethane	4.405	62	59277	23.85	ug/l	96
37) 2-Butanone	3.786	43	23315	18.34	ug/l	78
38) 1,1,1-Trichloroethane	4.141	97	40008	23.11	ug/l	100
39) Carbon Tetrachloride	4.249	117	33379	23.43	ug/l	85
40) Vinyl Acetate	3.329	43	157021	22.54	ug/l	100
41) Bromodichloromethane	5.091	83	52758	22.69	ug/l	94
42) Methylcyclohexane	4.904	83	28583	24.66	ug/l	82
43) Dibromomethane	5.007	174	36479	26.29	ug/l	94
44) 1,2-Dichloropropane	4.928	63	51442	21.90	ug/l	99
45) Trichloroethene	4.784	130	35342	22.86	ug/l	90
46) Benzene	4.387	78	140228	23.63	ug/l	100
47) tert-Amyl methyl ether	4.447	73	69034	18.84	ug/l	85
49) Dibromochloromethane	6.053	129	40811	18.54	ug/l	98
50) 2-Chloroethylvinylether	5.259	63	30461	17.50	ug/l	82
51) cis-1,3-Dichloropropene	5.361	75	65738	19.50	ug/l	93
52) trans-1,3-Dichloropropene	5.692	75	53862	17.22	ug/l	96
53) 1,1,2-Trichloroethane	5.806	97	38595	21.88	ug/l	94
54) 1,2-Dibromoethane	6.131	107	43262	20.04	ug/l	100
55) 1,3-Dichloropropane	5.909	76	75426	24.67	ug/l	98
56) 4-Methyl-2-Pentanone	5.446	43	62301	15.35	ug/l	92
57) 2-Hexanone	5.939	43	43632	14.44	ug/l	91
58) Tetrachloroethene	5.897	164	32829	22.42	ug/l	94
60) Toluene	5.566	92	92640	22.97	ug/l	95
61) 1,1,1,2-Tetrachloroethane	6.456	133	37255	24.81	ug/l	85
62) Chlorobenzene	6.414	112	106507	22.30	ug/l	97
64) Bromoform	6.919	173	32947	18.44	ug/l	98
65) Ethylbenzene	6.462	106	39592	22.89	ug/l	83
66) 1,1,2,2-Tetrachloroethane	7.165	83	59373	21.35	ug/l	92
68) Styrene	6.781	104	107263	23.48	ug/l	92
69) m&p-Xylenes	6.528	106	119052	51.19	ug/l	95

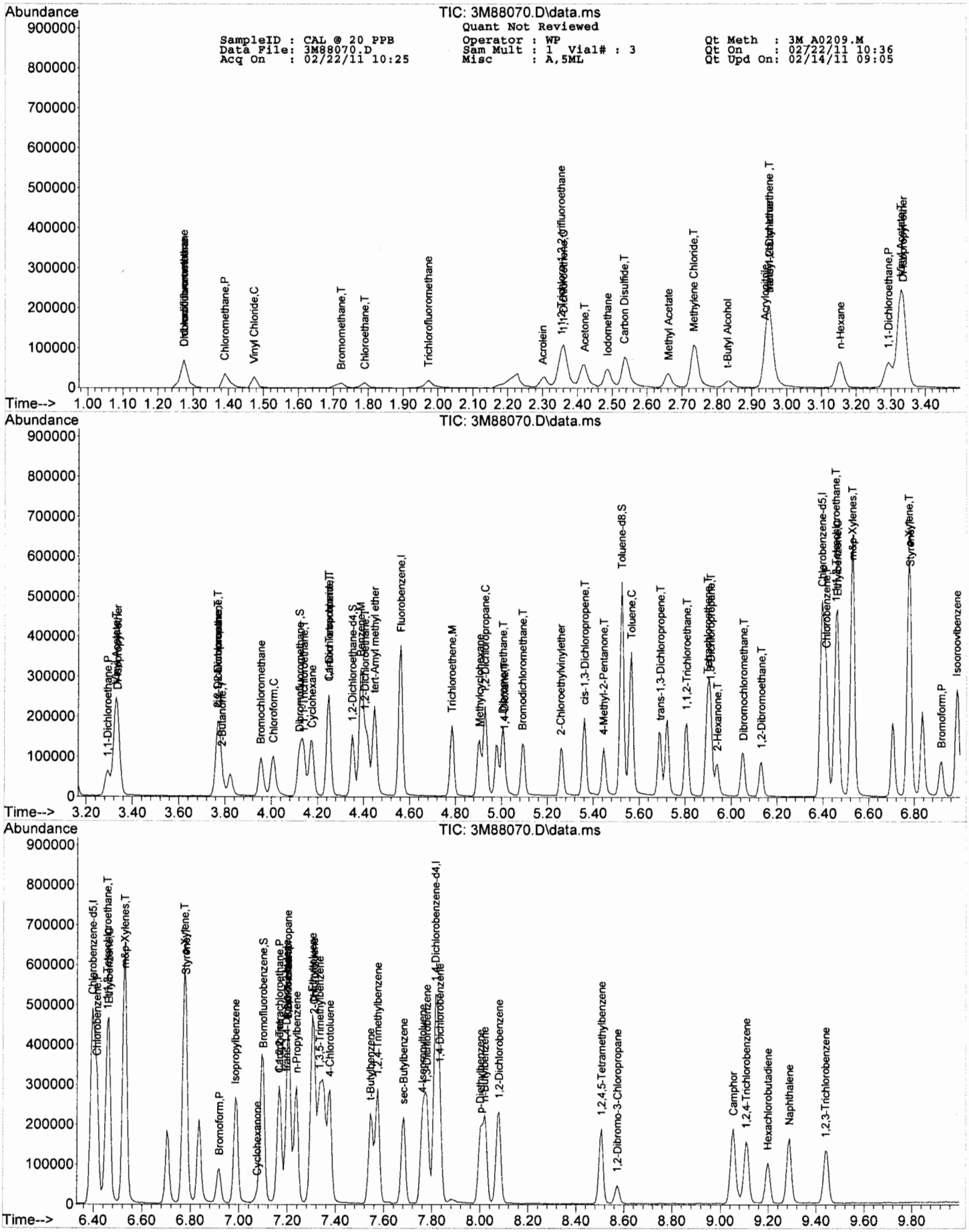
Quantitation Report (Not Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88070.D Sam Mult : 1 Vial# : 3 Qt On : 02/22/11 10:36
Acq On : 02/22/11 10:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.775	106	60762	24.56 ug/l	86
71) trans-1,4-Dichloro-2-b...	7.195	53	18681	15.64 ug/l	88
72) 1,3-Dichlorobenzene	7.779	146	81949	22.27 ug/l	99
73) 1,4-Dichlorobenzene	7.833	146	84823	21.84 ug/l	94
74) 1,2-Dichlorobenzene	8.079	146	81486	21.51 ug/l	99
75) Isopropylbenzene	6.985	105	123830	21.09 ug/l	98
76) Cyclohexanone	7.075	55	8051	42.35 ug/l	90
77) Camphene	7.165	93	31845	22.62 ug/l	99
78) 1,2,3-Trichloropropane	7.202	75	67236	18.49 ug/l	91
79) 2-Chlorotoluene	7.310	91	99680	23.62 ug/l	97
80) p-Ethyltoluene	7.304	105	134928	21.41 ug/l	98
81) 4-Chlorotoluene	7.376	91	100064	24.23 ug/l	96
82) n-Propylbenzene	7.238	91	166722	22.56 ug/l	100
83) Bromobenzene	7.202	77	110250	20.60 ug/l	93
84) 1,3,5-Trimethylbenzene	7.334	105	111030	22.89 ug/l	95
85) t-Butylbenzene	7.544	119	89844	21.61 ug/l	96
86) 1,2,4-Trimethylbenzene	7.574	105	120117	23.80 ug/l	91
87) sec-Butylbenzene	7.683	105	111636	21.09 ug/l	97
88) 4-Isopropyltoluene	7.761	119	90977	24.07 ug/l	99
89) n-Butylbenzene	8.019	91	107276	22.65 ug/l	98
90) p-Diethylbenzene	8.001	119	46982	20.82 ug/l	97
91) 1,2,4,5-Tetramethylben...	8.506	119	78280	18.24 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.573	157	10502	12.67 ug/l	99
93) Camphor	9.054	95	39312	132.71 ug/l	90
94) Hexachlorobutadiene	9.198	225	19842	19.32 ug/l	97
95) 1,2,4-Trichlorobenzene	9.108	180	46790	20.50 ug/l	99
96) 1,2,3-Trichlorobenzene	9.438	180	41976	18.68 ug/l	99
97) Naphthalene	9.288	128	107768	16.33 ug/l	100

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


Abundance
TIC: 3M88070.D\data.ms
Quant Not Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M88070.D
Acq On : 02/22/11 10:25
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 10:36
Qt Upd On: 02/14/11 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M88070.D\data.ms
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Isooroovlbenzene
Time-->

Abundance
TIC: 3M88070.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
Cyclohexanone
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
p-Diethylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88288.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/25/2011 7:57:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.58	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.28	22.45				0.512			
Dichlorodifluoromethane	1	0		1.28	41.74	20			0.169	0.399	108.70	
Chloromethane	1	0	CP	1.41	17.98	20	0.1		0.245	0.220	10.10	
Bromomethane	1	0		1.73	21.84	20			0.058	0.064	9.20	
Vinyl Chloride	1	0	CC	1.48	17.15	20	20		0.137	0.131	14.25	
Chloroethane	1	0		1.79	24.87	20			0.021	0.020	24.35	
Trichlorofluoromethane	1	0		1.99	20.32	20			0.105	0.117	1.60	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.37	33.23	20			0.076	0.126	66.15	
Methylene Chloride	1	0		2.76	19.77	20			0.209	0.207	1.15	
Acrolein	1	0		2.32	165.20	100			0.012	0.021	65.20	
Acrylonitrile	1	0		2.96	18.92	20			0.099	0.094	5.40	
Iodomethane	1	0		2.50	18.45	20			0.284	0.259	7.75	
Acetone	1	0		2.43	85.09	100			0.103	0.088	14.91	
Carbon Disulfide	1	0		2.55	19.37	20			0.587	0.583	3.15	
t-Butyl Alcohol	1	0		2.85	58.71	100			0.016	0.011	41.29	
n-Hexane	1	0		3.17	19.92	20			0.107	0.133	0.40	
Di-isopropyl-ether	1	0		3.35	20.47	20			0.959	0.967	2.35	
1.1-Dichloroethene	1	0	CC	2.38	20.94	20	20		0.306	0.311	4.70	
Methyl Acetate	1	0		2.68	22.74	20			0.313	0.356	13.70	
Methyl-t-butyl ether	1	0		2.97	19.28	20			0.378	0.357	3.60	
1.1-Dichloroethane	1	0	CP	3.32	20.11	20	0.1		0.433	0.436	0.55	
trans-1.2-Dichloroethene	1	0		2.97	24.09	20			0.161	0.173	20.45	
cis-1.2-Dichloroethene	1	0		3.79	20.89	20			0.409	0.427	4.45	
Bromochloromethane	1	0		3.97	19.88	20			0.313	0.311	0.60	
2.2-Dichloropropane	1	0		3.79	23.39	20			0.221	0.246	16.95	
1.4-Dioxane	1	0		5.03	919.06	1000			0.003	0.003	8.09	
1.1-Dichloropropene	1	0		4.27	22.34	20			0.296	0.351	11.70	
Chloroform	1	0	CC	4.03	21.10	20	20		0.382	0.403	5.50	
Dibromofluoromethane	1	0	S	4.14	31.05	30			0.253	0.262	3.50	
Cyclohexane	1	0		4.19	21.81	20			0.255	0.327	9.05	
1.2-Dichloroethane-d4	1	0	S	4.37	33.54	30			0.058	0.064	11.80	
1.2-Dichloroethane	1	0		4.42	22.05	20			0.399	0.440	10.25	
2-Butanone	1	0		3.81	15.83	20			0.187	0.161	20.85	
1.1.1-Trichloroethane	1	0		4.16	21.04	20			0.273	0.292	5.20	
Carbon Tetrachloride	1	0		4.27	22.23	20			0.213	0.254	11.15	
Vinyl Acetate	1	0		3.35	14.75	20			1.133	0.824	26.25	
Bromodichloromethane	1	0		5.11	19.56	20			0.373	0.365	2.20	
Methylcyclohexane	1	0		4.92	21.76	20			0.160	0.202	8.80	
Dibromomethane	1	0		5.02	23.06	20			0.231	0.257	15.30	
1.2-Dichloropropane	1	0	CC	4.95	19.23	20	20		0.361	0.362	3.85	
Trichloroethene	1	0		4.80	20.80	20			0.242	0.258	4.00	
Benzene	1	0		4.41	21.63	20			0.952	1.030	8.15	
tert-Amyl methyl ether	1	0		4.46	15.54	20			0.527	0.457	22.30	
Chlorobenzene-d5	1	0	I	6.41	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.07	16.16	20			0.349	0.318	19.20	
2-Chloroethylvinylether	1	0		5.28	13.58	20			0.255	0.211	32.10	
cis-1.3-Dichloropropene	1	0		5.38	15.24	20			0.531	0.459	23.80	
trans-1.3-Dichloropropene	1	0		5.71	14.50	20			0.472	0.405	27.50	
1.1.2-Trichloroethane	1	0		5.82	19.10	20			0.315	0.301	4.50	
1.2-Dibromoethane	1	0		6.15	16.86	20			0.370	0.325	15.70	
1.3-Dichloropropane	1	0		5.93	21.85	20			0.588	0.597	9.25	
4-Methyl-2-Pentanone	1	0		5.46	12.04	20			0.582	0.436	39.80	
2-Hexanone	1	0		5.96	12.22	20			0.424	0.330	38.90	
Tetrachloroethene	1	0		5.91	20.79	20			0.242	0.272	3.95	
Toluene-d8	1	0	S	5.55	29.59	30			0.827	0.816	1.37	
Toluene	1	0	CC	5.58	20.57	20	20		0.721	0.741	2.85	
1.1.1.2-Tetrachloroethane	1	0		6.47	21.68	20			0.277	0.291	8.40	
Chlorobenzene	1	0	CP	6.43	20.02	20	0.3		0.853	0.854	0.10	
1.4-Dichlorobenzene-d4	1	0	I	7.84	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.94	16.04	20	0.1		0.488	0.392	19.80	
Ethylbenzene	1	0	CC	6.49	20.71	20	20		0.492	0.510	3.55	
1.1.2.2-Tetrachloroethane	1	0	CP	7.19	18.85	20	0.3		0.848	0.746	5.75	
Bromofluorobenzene	1	0	S	7.12	27.99	30			0.894	0.834	6.70	
Styrene	1	0		6.80	20.61	20			1.312	1.341	3.05	
m&p-Xylenes	1	0		6.55	46.41	40			0.671	0.768	16.03	
o-Xylene	1	0		6.79	22.07	20			0.716	0.778	10.35	
trans-1.4-Dichloro-2-butene	1	0		7.22	16.70	20			0.330	0.284	16.50	
1.3-Dichlorobenzene	1	0		7.80	19.49	20			1.027	1.021	2.55	
1.4-Dichlorobenzene	1	0		7.86	18.46	20			1.106	1.021	7.70	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88288.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/25/2011 7:57:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.10	18.86	20			1.079	1.017	5.70	
Isopropylbenzene	1	0		7.01	18.16	20			1.593	1.518	9.20	
Cyclohexanone	1	0		7.09	40.09				0.049			
Camphene	1	0		7.19	19.17	20			0.381	0.384	4.15	
1.2.3-Trichloropropane	1	0		7.22	16.33	20			0.963	0.845	18.35	
2-Chlorotoluene	1	0		7.33	20.30	20			1.220	1.219	1.50	
p-Ethyltoluene	1	0		7.32	20.64				1.739			
4-Chlorotoluene	1	0		7.39	21.33	20			1.284	1.254	6.65	
n-Propylbenzene	1	0		7.25	19.90	20			2.053	2.094	0.50	
Bromobenzene	1	0		7.22	18.01	20			1.524	1.373	9.95	
1.3.5-Trimethylbenzene	1	0		7.36	19.96	20			1.267	1.378	0.20	
t-Butylbenzene	1	0		7.57	19.03	20			1.127	1.127	4.85	
1.2.4-Trimethylbenzene	1	0		7.60	20.74	20			1.405	1.491	3.70	
sec-Butylbenzene	1	0		7.71	18.49	20			1.378	1.394	7.55	
4-Isopropyltoluene	1	0		7.78	20.94	20			1.050	1.127	4.70	
n-Butylbenzene	1	0		8.04	19.86	20			1.284	1.339	0.70	
p-Diethylbenzene	1	0		8.02	18.67				0.600			
1.2.4.5-Tetramethylbenzene	1	0		8.53	16.04				1.074			
1.2-Dibromo-3-Chloropropane	1	0		8.60	11.21	20			0.174	0.132	43.95	
Camphor	1	0		9.08	110.57	200			0.067	0.047	44.72	
Hexachlorobutadiene	1	0		9.22	16.71	20			0.291	0.244	16.45	
1.2.4-Trichlorobenzene	1	0		9.14	17.30	20			0.625	0.562	13.50	
1.2.3-Trichlorobenzene	1	0		9.47	16.08	20			0.605	0.514	19.60	
Naphthalene	1	0		9.31	14.29	20			1.660	1.342	28.55	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Furan	1	100		0.00	0.00	20				0.000	100.00	
Ethyl Ether	1	100		0.00	0.00	20				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88288.D Sam Mult : 1 Vial# : 2 Qt On : 02/25/11 08:06
Acq On : 02/25/11 07:57 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.579	96	171858	30.00	ug/l	0.03
48) Chlorobenzene-d5	6.413	117	163696	30.00	ug/l	0.03
63) 1,4-Dichlorobenzene-d4	7.838	152	104429	30.00	ug/l	0.03
System Monitoring Compounds						
33) Dibromofluoromethane	4.140	111	44995	31.05	ug/l	0.03
Spiked Amount 30.000			Recovery =	103.50%		
35) 1,2-Dichloroethane-d4	4.375	102	11070	33.54	ug/l	0.03
Spiked Amount 30.000			Recovery =	111.80%		
59) Toluene-d8	5.547	100	133615	29.59	ug/l	0.03
Spiked Amount 30.000			Recovery =	98.63%		
67) Bromofluorobenzene	7.117	174	87144	27.99	ug/l	0.03
Spiked Amount 30.000			Recovery =	93.30%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.276	51	59057m	22.45	ug/l	
6) Dichlorodifluoromethane	1.276	85	45744	41.74	ug/l	94
7) Chloromethane	1.409	50	25246	17.98	ug/l	86
8) Bromomethane	1.725	94	7305	21.84	ug/l	97
9) Vinyl Chloride	1.476	62	14980	17.15	ug/l	98
10) Chloroethane	1.792	66	2332	24.87	ug/l	93
11) Trichlorofluoromethane	1.991	101	13387	20.32	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.366	101	14424	33.23	ug/l	91
13) Methylene Chloride	2.757	84	23670	19.77	ug/l	93
14) Acrolein	2.324	56	11783	165.20	ug/l	97
15) Acrylonitrile	2.961	53	10819	18.92	ug/l	87
16) Iodomethane	2.504	142	29639	18.45	ug/l	90
17) Acetone	2.432	43	50352	85.09	ug/l	91
18) Carbon Disulfide	2.553	76	66751	19.37	ug/l	100
19) t-Butyl Alcohol	2.853	59	6556	58.71	ug/l	95
20) n-Hexane	3.172	57	15214	19.92	ug/l	74
21) Di-isopropyl-ether	3.352	45	110744	20.47	ug/l	78
22) 1,1-Dichloroethene	2.378	61	35594	20.94	ug/l	89
23) Methyl Acetate	2.679	43	40783	22.74	ug/l	100
24) Methyl-t-butyl ether	2.967	73	40871	19.28	ug/l	88
25) 1,1-Dichloroethane	3.316	63	49902	20.11	ug/l	96
26) trans-1,2-Dichloroethene	2.967	96	19849	24.09	ug/l	88
27) cis-1,2-Dichloroethene	3.791	61	48892	20.89	ug/l	82
28) Bromochloromethane	3.972	49	35648	19.88	ug/l	87
29) 2,2-Dichloropropane	3.791	77	28222	23.39	ug/l	92
30) 1,4-Dioxane	5.030	88	16125	919.06	ug/l	74
31) 1,1-Dichloropropene	4.266	75	40182	22.34	ug/l	98
32) Chloroform	4.026	83	46135	21.10	ug/l	97
34) Cyclohexane	4.194	56	37479	21.81	ug/l	78
36) 1,2-Dichloroethane	4.423	62	50367	22.05	ug/l	99
37) 2-Butanone	3.809	43	18502	15.83	ug/l	77
38) 1,1,1-Trichloroethane	4.158	97	33462	21.04	ug/l	88
39) Carbon Tetrachloride	4.266	117	29105	22.23	ug/l	91
40) Vinyl Acetate	3.352	43	94438	14.75	ug/l	100
41) Bromodichloromethane	5.114	83	41786	19.56	ug/l	88
42) Methylcyclohexane	4.922	83	23175	21.76	ug/l	84
43) Dibromomethane	5.024	174	29408	23.06	ug/l	94
44) 1,2-Dichloropropane	4.952	63	41491	19.23	ug/l	100
45) Trichloroethene	4.802	130	29549	20.80	ug/l	92
46) Benzene	4.411	78	117955	21.63	ug/l	100
47) tert-Amyl methyl ether	4.465	73	52314	15.54	ug/l	90
49) Dibromochloromethane	6.070	129	34672	16.16	ug/l	95
50) 2-Chloroethylvinylether	5.283	63	23044	13.58	ug/l	87
51) cis-1,3-Dichloropropene	5.379	75	50079	15.24	ug/l	96
52) trans-1,3-Dichloropropene	5.710	75	44201	14.50	ug/l	98
53) 1,1,2-Trichloroethane	5.824	97	32837	19.10	ug/l	93
54) 1,2-Dibromoethane	6.149	107	35484	16.86	ug/l	87
55) 1,3-Dichloropropane	5.926	76	65115	21.85	ug/l	95
56) 4-Methyl-2-Pentanone	5.463	43	47619	12.04	ug/l	93
57) 2-Hexanone	5.956	43	36015	12.22	ug/l	96
58) Tetrachloroethene	5.914	164	29665	20.79	ug/l	99
60) Toluene	5.583	92	80861	20.57	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.473	133	31732	21.68	ug/l	87
62) Chlorobenzene	6.431	112	93206	20.02	ug/l	96
64) Bromoform	6.936	173	27300	16.04	ug/l	97
65) Ethylbenzene	6.485	106	35504	20.71	ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.189	83	51952	18.85	ug/l	86
68) Styrene	6.804	104	93325	20.61	ug/l	88
69) m&p-Xylenes	6.551	106	106978	46.41	ug/l	94

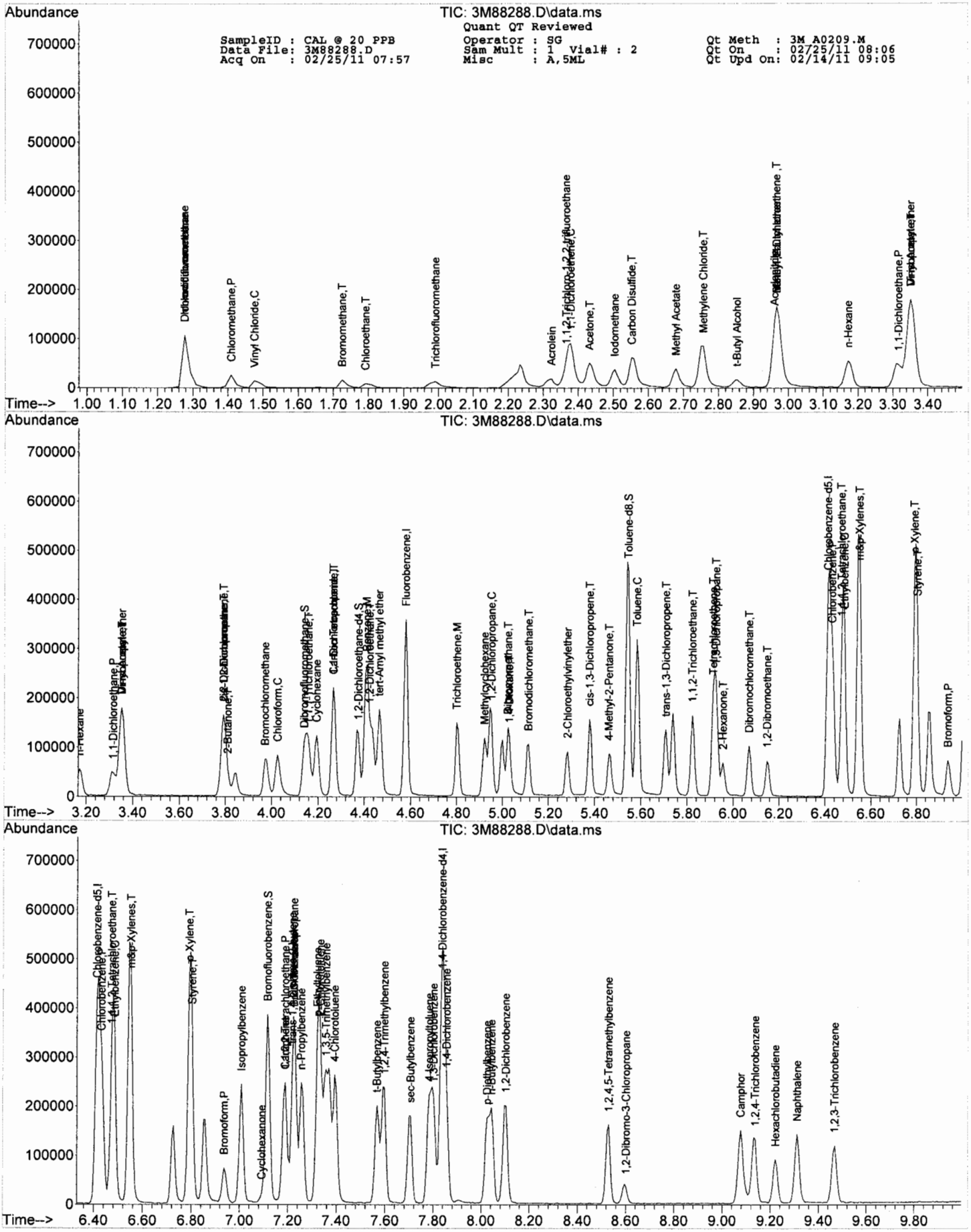
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88288.D Sam Mult : 1 Vial# : 2 Qt On : 02/25/11 08:06
Acq On : 02/25/11 07:57 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.792	106	54131	22.07	ug/l	85
71) trans-1,4-Dichloro-2-b...	7.219	53	19767	16.70	ug/l	64
72) 1,3-Dichlorobenzene	7.802	146	71079	19.49	ug/l	99
73) 1,4-Dichlorobenzene	7.856	146	71067	18.46	ug/l	92
74) 1,2-Dichlorobenzene	8.103	146	70826	18.86	ug/l	99
75) Isopropylbenzene	7.008	105	105666	18.16	ug/l	99
76) Cyclohexanone	7.093	55	7554	40.09	ug/l	88
77) Camphene	7.189	93	26755	19.17	ug/l	95
78) 1,2,3-Trichloropropane	7.225	75	58834	16.33	ug/l	91
79) 2-Chlorotoluene	7.333	91	84896	20.30	ug/l	97
80) p-Ethyltoluene	7.321	105	128921	20.64	ug/l	98
81) 4-Chlorotoluene	7.393	91	87312	21.33	ug/l	98
82) n-Propylbenzene	7.255	91	145792	19.90	ug/l	100
83) Bromobenzene	7.225	77	95571	18.01	ug/l	91
84) 1,3,5-Trimethylbenzene	7.357	105	95939	19.96	ug/l	96
85) t-Butylbenzene	7.568	119	78443	19.03	ug/l	97
86) 1,2,4-Trimethylbenzene	7.598	105	103770	20.74	ug/l	90
87) sec-Butylbenzene	7.706	105	97021	18.49	ug/l	95
88) 4-Isopropyltoluene	7.784	119	78464	20.94	ug/l	99
89) n-Butylbenzene	8.043	91	93247	19.86	ug/l	98
90) p-Diethylbenzene	8.025	119	41754	18.67	ug/l	94
91) 1,2,4,5-Tetramethylben...	8.530	119	68203	16.04	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.602	157	9208	11.21	ug/l	99
93) Camphor	9.077	95	32463	110.57	ug/l	88
94) Hexachlorobutadiene	9.221	225	17018	16.71	ug/l	98
95) 1,2,4-Trichlorobenzene	9.137	180	39134	17.30	ug/l	97
96) 1,2,3-Trichlorobenzene	9.468	180	35811	16.08	ug/l	99
97) Naphthalene	9.312	128	93424	14.29	ug/l	100

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


Abundance
TIC: 3M88288.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M88288.D
Acq On : 02/25/11 07:57
Operator : SG
Sam Mult : 1 Vial# : 2
Misc : A,5ML
Qt Meth : 3M A0209.M
Qt On : 02/25/11 08:06
Qt Upd On: 02/14/11 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M88288.D\data.ms
n-Hexane
1,1-Dichloroethane,P
2-Butanone,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
1,2-Dichloropropane,C
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Time-->

Abundance
TIC: 3M88288.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
o-Xylene,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88446.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/28/2011 7:40:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.58	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.29	20.10				0.601			
Dichlorodifluoromethane	1	0		1.29	11.07	20			0.321	0.178	44.65	
Chloromethane	1	0	CP	1.43	14.59	20	0.1		0.273	0.199	27.05	
Bromomethane	1	0		1.74	18.05	20			0.124	0.101	9.75	
Vinyl Chloride	1	0	CC	1.49	20.42	20	20		0.189	0.192	2.10	
Chloroethane	1	0		1.81	18.62	20			0.088	0.082	6.90	
Trichlorofluoromethane	1	0		1.99	17.99	20			0.203	0.183	10.05	
Ethyl ether	1	0		2.19	16.64	20			0.094	0.057	16.80	
Furan	1	0		2.24	19.63	20			0.480	0.471	1.85	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.38	26.09	20			0.095	0.136	30.45	
Methylene Chloride	1	0		2.76	20.00	20			0.253	0.253	0.00	
Acrolein	1	0		2.32	175.72	100			0.019	0.037	75.72	
Acrylonitrile	1	0		2.96	17.21	20			0.118	0.087	13.95	
Iodomethane	1	0		2.51	18.81	20			0.352	0.331	5.95	
Acetone	1	0		2.44	92.33	100			0.106	0.084	7.67	
Carbon Disulfide	1	0		2.56	17.15	20			0.678	0.582	14.25	
t-Butyl Alcohol	1	0		2.86	68.26	100			0.017	0.014	31.74	
n-Hexane	1	0		3.18	18.06	20			0.102	0.100	9.70	
Di-isopropyl-ether	1	0		3.36	20.42	20			0.812	0.829	2.10	
1.1-Dichloroethene	1	0	CC	2.38	20.59	20	20		0.322	0.331	2.95	
Methyl Acetate	1	0		2.68	17.06	20			0.294	0.234	14.70	
Methyl-t-butyl ether	1	0		2.97	19.50	20			0.451	0.440	2.50	
1.1-Dichloroethane	1	0	CP	3.32	19.59	20	0.1		0.430	0.421	2.05	
trans-1.2-Dichloroethene	1	0		2.97	21.36	20			0.203	0.217	6.80	
cis-1.2-Dichloroethene	1	0		3.80	20.32	20			0.369	0.374	1.60	
Bromochloromethane	1	0		3.98	20.30	20			0.260	0.264	1.50	
2.2-Dichloropropane	1	0		3.79	21.29	20			0.219	0.233	6.45	
Ethyl acetate	1	0		3.84	17.33				0.364			
1.4-Dioxane	1	0		5.03	960.61	1000			0.003	0.003	3.94	
1.1-Dichloropropene	1	0		4.27	22.30	20			0.300	0.334	11.50	
Chloroform	1	0	CC	4.03	20.80	20	20		0.413	0.430	4.00	
Dibromofluoromethane	1	0	S	4.14	29.58	30			0.270	0.266	1.40	
Cyclohexane	1	0		4.19	19.85	20			0.221	0.243	0.75	
1.2-Dichloroethane-d4	1	0	S	4.37	30.26	30			0.166	0.168	0.87	
1.2-Dichloroethane	1	0		4.42	20.58	20			0.404	0.416	2.90	
2-Butanone	1	0		3.81	19.72	20			0.175	0.161	1.40	
1.1.1-Trichloroethane	1	0		4.16	19.66	20			0.330	0.324	1.70	
Carbon Tetrachloride	1	0		4.27	20.74	20			0.273	0.283	3.70	
Vinyl Acetate	1	0		3.35	21.33	20			0.915	0.976	6.65	
Bromodichloromethane	1	0		5.11	19.61	20			0.392	0.384	1.95	
Methylcyclohexane	1	0		4.92	19.65	20			0.161	0.178	1.75	
Dibromomethane	1	0		5.03	21.14	20			0.271	0.287	5.70	
1.2-Dichloropropane	1	0	CC	4.95	20.99	20	20		0.315	0.331	4.95	
Trichloroethene	1	0		4.81	22.64	20			0.266	0.302	13.20	
Benzene	1	0		4.41	21.64	20			0.981	1.061	8.20	
tert-Amyl methyl ether	1	0		4.46	19.90	20			0.525	0.522	0.50	
Chlorobenzene-d5	1	0	I	6.41	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.43	19.57				0.783			
Methyl methacrylate	1	0		5.00	19.43				0.438			
Dibromochloromethane	1	0		6.07	18.70	20			0.401	0.375	6.50	
2-Chloroethylvinylether	1	0		5.28	20.22	20			0.240	0.243	1.10	
cis-1.3-Dichloropropene	1	0		5.38	18.70	20			0.495	0.503	6.50	
trans-1.3-Dichloropropene	1	0		5.71	16.97	20			0.451	0.427	15.15	
Ethyl methacrylate	1	0		5.74	19.03				0.428			
1.1.2-Trichloroethane	1	0		5.82	20.48	20			0.350	0.359	2.40	
1.2-Dibromoethane	1	0		6.15	20.14	20			0.397	0.400	0.70	
1.3-Dichloropropane	1	0		5.92	22.71	20			0.563	0.639	13.55	
4-Methyl-2-Pentanone	1	0		5.46	18.09	20			0.512	0.463	9.55	
2-Hexanone	1	0		5.95	15.07	20			0.365	0.319	24.65	
Tetrachloroethene	1	0		5.91	23.67	20			0.257	0.304	18.35	
Toluene-d8	1	0	S	5.55	30.60	30			1.280	1.306	2.00	
Toluene	1	0	CC	5.58	21.41	20	20		0.784	0.839	7.05	
1.1.1.2-Tetrachloroethane	1	0		6.47	21.48	20			0.294	0.316	7.40	
Chlorobenzene	1	0	CP	6.43	22.26	20	0.3		0.899	1.000	11.30	
1.4-Dichlorobenzene-d4	1	0	I	7.83	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.72	16.12				1.267			
n-Amyl acetate	1	0		6.85	16.40				1.343			
Bromoform	1	0	CP	6.93	15.88	20	0.1		0.610	0.484	20.60	
Ethylbenzene	1	0	CC	6.48	20.69	20	20		0.536	0.555	3.45	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 3M88446.D **Instrument:** GCMS 3

Cont Calibration Date/Time 2/28/2011 7:40:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	7.19	19.55	20	0.3		0.828	0.810	2.25	
Bromofluorobenzene	1	0	S	7.11	28.61	30			0.946	0.902	4.63	
Styrene	1	0		6.80	22.22	20			1.435	1.594	11.10	
m&p-Xylenes	1	0		6.55	45.79	40			0.752	0.860	14.48	
o-Xylene	1	0		6.79	22.63	20			0.788	0.892	13.15	
trans-1.4-Dichloro-2-butene	1	0		7.21	19.66	20			0.281	0.276	1.70	
1.3-Dichlorobenzene	1	0		7.80	22.12	20			1.072	1.185	10.60	
1.4-Dichlorobenzene	1	0		7.85	21.12	20			1.171	1.237	5.60	
1.2-Dichlorobenzene	1	0		8.10	21.86	20			1.121	1.226	9.30	
Isopropylbenzene	1	0		7.01	20.23	20			1.739	1.818	1.15	
Cyclohexanone	1	0		7.10	86.71				0.033			
Camphene	1	0		7.19	19.76	20			0.355	0.382	1.20	
1.2.3-Trichloropropane	1	0		7.22	19.41	20			0.901	0.875	2.95	
2-Chlorotoluene	1	0		7.33	23.78	20			1.226	1.373	18.90	
p-Ethyltoluene	1	0		7.32	21.64				1.958			
4-Chlorotoluene	1	0		7.40	19.81	20			1.270	1.258	0.95	
n-Propylbenzene	1	0		7.26	20.82	20			2.135	2.222	4.10	
Bromobenzene	1	0		7.22	20.58	20			1.373	1.413	2.90	
1.3.5-Trimethylbenzene	1	0		7.35	23.44	20			1.361	1.596	17.20	
Butyl methacrylate	1	0		7.37	17.69				0.989			
t-Butylbenzene	1	0		7.56	18.78	20			1.219	1.293	6.10	
1.2.4-Trimethylbenzene	1	0		7.59	21.46	20			1.541	1.653	7.30	
sec-Butylbenzene	1	0		7.70	18.20	20			1.430	1.527	9.00	
4-Isopropyltoluene	1	0		7.78	19.80	20			1.102	1.258	1.00	
n-Butylbenzene	1	0		8.04	19.24	20			1.216	1.364	3.80	
p-Diethylbenzene	1	0		8.02	18.48				0.628			
1.2.4.5-Tetramethylbenzene	1	0		8.53	17.40				1.110			
1.2-Dibromo-3-Chloropropane	1	0		8.60	16.22	20			0.207	0.168	18.90	
Camphor	1	0		9.07	183.51	200			0.067	0.071	8.25	
Hexachlorobutadiene	1	0		9.22	21.11	20			0.376	0.397	5.55	
1.2.4-Trichlorobenzene	1	0		9.13	22.14	20			0.678	0.750	10.70	
1.2.3-Trichlorobenzene	1	0		9.46	21.07	20			0.660	0.695	5.35	
Naphthalene	1	0		9.31	19.10	20			1.821	1.824	4.50	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0227.M
Data File: 3M88446.D Sam Mult : 1 Vial# : 65 Qt On : 02/28/11 08:04
Acq On : 02/28/11 07:40 Misc : A,5ML Qt Upd On: 02/28/11 08:04

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-28-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.578	96	299686	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.411	117	252458	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.835	152	155078	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.139	111	79845	29.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.60%			
38) 1,2-Dichloroethane-d4	4.374	67	50268	30.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.87%			
65) Toluene-d8	5.545	98	329700	30.60	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.00%			
75) Bromofluorobenzene	7.114	174	139886	28.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.293	51	88445	20.10	ug/l	74
6) Dichlorodifluoromethane	1.293	85	35563	11.07	ug/l	83
7) Chloromethane	1.426	50	39856	14.59	ug/l	82
8) Bromomethane	1.743	94	20241	18.05	ug/l	88
9) Vinyl Chloride	1.493	62	38447	20.42	ug/l	95
10) Chloroethane	1.810	64	16431	18.62	ug/l	88
11) Trichlorofluoromethane	1.993	101	36525	17.99	ug/l	89
12) Ethyl ether	2.193	59	11304	16.64	ug/l	68
13) Furan	2.240	39	94193	19.63	ug/l	91
14) 1,1,2-Trichloro-1,2,2-...	2.379	101	27081	26.09	ug/l	94
15) Methylene Chloride	2.763	84	50520	20.00	ug/l	92
16) Acrolein	2.325	56	37106	175.72	ug/l	85
17) Acrylonitrile	2.962	53	17433	17.21	ug/l	96
18) Iodomethane	2.511	142	66192	18.81	ug/l	97
19) Acetone	2.445	43	84042	92.33	ug/l	97
20) Carbon Disulfide	2.565	76	116234	17.15	ug/l	100
21) t-Butyl Alcohol	2.859	59	13492	68.26	ug/l	93
22) n-Hexane	3.178	57	19888	18.06	ug/l	85
23) Di-isopropyl-ether	3.358	45	165608	20.42	ug/l	96
24) 1,1-Dichloroethene	2.385	61	66173	20.59	ug/l	97
25) Methyl Acetate	2.679	43	46776	17.06	ug/l	100
26) Methyl-t-butyl ether	2.974	73	87929	19.50	ug/l	79
27) 1,1-Dichloroethane	3.322	63	84069	19.59	ug/l	96
28) trans-1,2-Dichloroethene	2.974	96	43408	21.36	ug/l	94
29) cis-1,2-Dichloroethene	3.797	61	74814	20.32	ug/l	81
30) Bromochloromethane	3.977	49	52755	20.30	ug/l	85
31) 2,2-Dichloropropane	3.791	77	46527	21.29	ug/l	89
32) Ethyl acetate	3.845	43	62958	17.33	ug/l	93
33) 1,4-Dioxane	5.029	88	32984	960.61	ug/l	92
34) 1,1-Dichloropropene	4.265	75	66809	22.30	ug/l	95
35) Chloroform	4.025	83	85857	20.80	ug/l	83
37) Cyclohexane	4.193	56	48465	19.85	ug/l	89
39) 1,2-Dichloroethane	4.422	62	83163	20.58	ug/l	97
40) 2-Butanone	3.809	43	32186	19.72	ug/l	91
41) 1,1,1-Trichloroethane	4.157	97	64792	19.66	ug/l	97
42) Carbon Tetrachloride	4.271	117	56527	20.74	ug/l	92
43) Vinyl Acetate	3.352	43	194996	21.33	ug/l	100
44) Bromodichloromethane	5.113	83	76710	19.61	ug/l	89
45) Methylcyclohexane	4.920	83	35528	19.65	ug/l	93
46) Dibromomethane	5.029	174	57276	21.14	ug/l	89
47) 1,2-Dichloropropane	4.951	63	66107	20.99	ug/l	99
48) Trichloroethene	4.806	130	60257	22.64	ug/l	98
49) Benzene	4.410	78	212050	21.64	ug/l	100
50) tert-Amyl methyl ether	4.464	73	104283	19.90	ug/l	98
52) Iso-propylacetate	4.434	43	128982	19.57	ug/l	84
53) Methyl methacrylate	4.999	41	71634	19.43	ug/l	96
54) Dibromochloromethane	6.068	129	63124	18.70	ug/l	91
55) 2-Chloroethylvinylether	5.281	63	40849	20.22	ug/l	85
56) cis-1,3-Dichloropropene	5.377	75	84641	18.70	ug/l	96
57) trans-1,3-Dichloropropene	5.708	75	71943	16.97	ug/l	97
58) Ethyl methacrylate	5.738	41	74162	19.03	ug/l	79
59) 1,1,2-Trichloroethane	5.822	97	60378	20.48	ug/l	86
60) 1,2-Dibromoethane	6.146	107	67372	20.14	ug/l	97
61) 1,3-Dichloropropane	5.924	76	107552	22.71	ug/l	99
62) 4-Methyl-2-Pentanone	5.461	43	77971	18.09	ug/l	90
63) 2-Hexanone	5.954	43	53660	15.07	ug/l	84
64) Tetrachloroethene	5.912	164	51141	23.67	ug/l	99
66) Toluene	5.581	92	141167	21.41	ug/l	98
67) 1,1,1,2-Tetrachloroethane	6.471	133	53102	21.48	ug/l	46

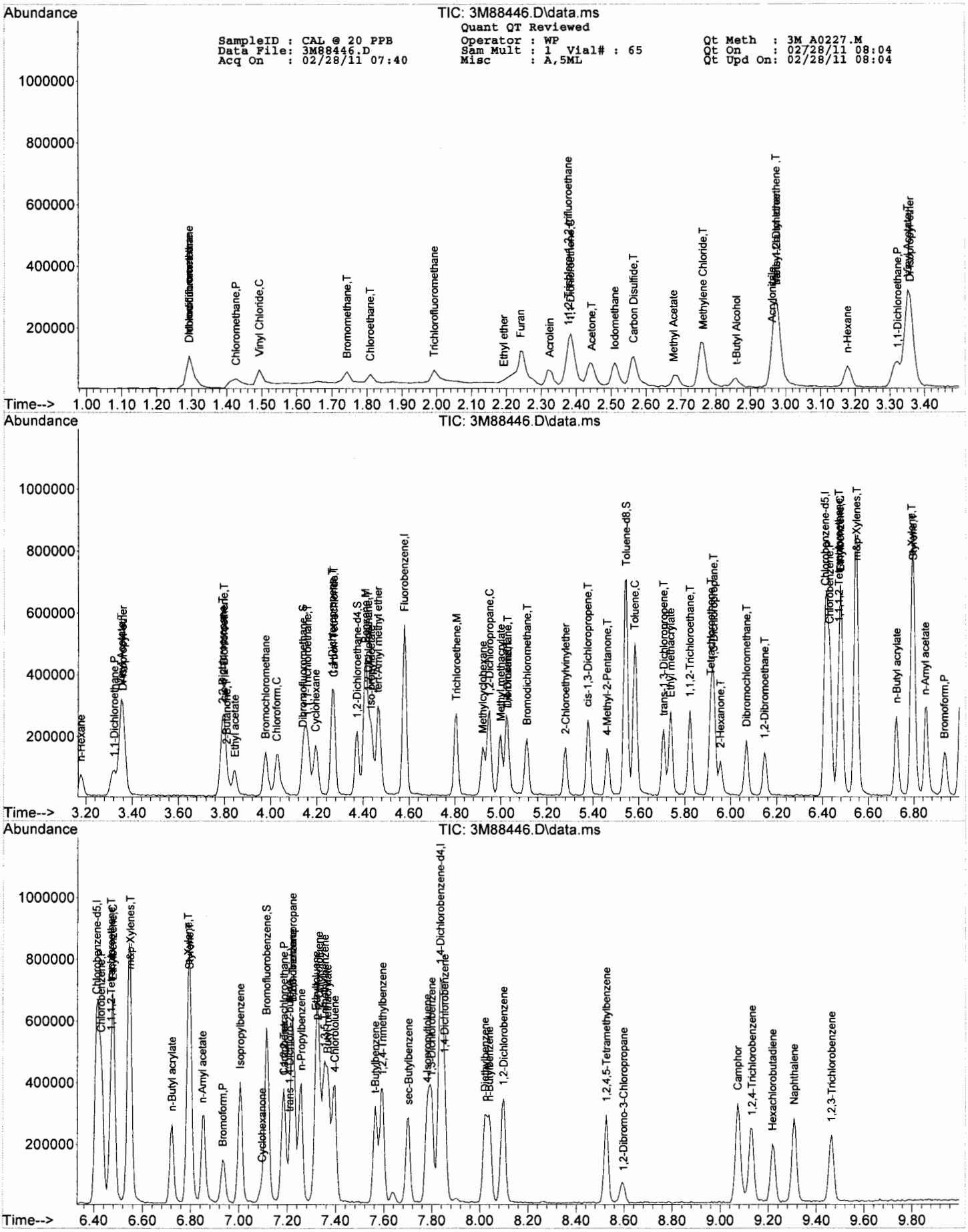
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 3M_A0227.M
Data File: 3M88446.D Sam Mult : 1 Vial# : 65 Qt On : 02/28/11 08:04
Acq On : 02/28/11 07:40 Misc : A,5ML Qt Upd On: 02/28/11 08:04

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-28-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.429	112	168313	22.26	ug/l	96
70)	n-Butyl acrylate	6.723	55	122754	16.12	ug/l	96
71)	n-Amyl acetate	6.849	43	131759	16.40	ug/l	87
72)	Bromoform	6.934	173	50041	15.88	ug/l	96
73)	Ethylbenzene	6.477	106	57346	20.69	ug/l	78
74)	1,1,2,2-Tetrachloroethane	7.186	83	83700	19.55	ug/l	98
76)	Styrene	6.795	104	164812	22.22	ug/l	87
77)	m&p-Xylenes	6.549	106	177917	45.79	ug/l	83
78)	o-Xylene	6.789	106	92188	22.63	ug/l	70
79)	trans-1,4-Dichloro-2-b...	7.210	53	28514	19.66	ug/l	94
80)	1,3-Dichlorobenzene	7.799	146	122547	22.12	ug/l	84
81)	1,4-Dichlorobenzene	7.853	146	127918	21.12	ug/l	92
82)	1,2-Dichlorobenzene	8.099	146	126699	21.86	ug/l	87
83)	Isopropylbenzene	7.006	105	187999	20.23	ug/l	91
84)	Cyclohexanone	7.096	55	16310	86.71	ug/l	95
85)	Camphene	7.186	93	39462	19.76	ug/l	98
86)	1,2,3-Trichloropropane	7.222	75	90448	19.41	ug/l	93
87)	2-Chlorotoluene	7.330	91	141919	23.78	ug/l	92
88)	p-Ethyltoluene	7.318	105	219039	21.64	ug/l	81
89)	4-Chlorotoluene	7.396	91	130078	19.81	ug/l	87
90)	n-Propylbenzene	7.258	91	229764	20.82	ug/l	95
91)	Bromobenzene	7.222	77	146134	20.58	ug/l	87
92)	1,3,5-Trimethylbenzene	7.354	105	164960	23.44	ug/l	89
93)	Butyl methacrylate	7.366	41	99149	17.69	ug/l	56
94)	t-Butylbenzene	7.564	119	133687	18.78	ug/l	78
95)	1,2,4-Trimethylbenzene	7.595	105	170917	21.46	ug/l	88
96)	sec-Butylbenzene	7.703	105	157826	18.20	ug/l	98
97)	4-Isopropyltoluene	7.781	119	130064	19.80	ug/l	87
98)	n-Butylbenzene	8.039	91	140996	19.24	ug/l	93
99)	p-Diethylbenzene	8.021	119	69187	18.48	ug/l	90
100)	1,2,4,5-Tetramethylben...	8.526	119	120716	17.40	ug/l	88
101)	1,2-Dibromo-3-Chloropr...	8.598	157	17320	16.22	ug/l	55
102)	Camphor	9.073	95	73769	183.51	ug/l	87
103)	Hexachlorobutadiene	9.217	225	41036	21.11	ug/l	95
104)	1,2,4-Trichlorobenzene	9.133	180	77578	22.14	ug/l	92
105)	1,2,3-Trichlorobenzene	9.463	180	71840	21.07	ug/l	95
106)	Naphthalene	9.307	128	188530	19.10	ug/l	100

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


Abundance
TIC: 3M88446.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 3M88446.D
Acq On : 02/28/11 07:40
Operator : WP
Sam Mult : 1 Vial# : 65
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 08:04
Qt Upd On: 02/28/11 08:04
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63642.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/2/2011 2:16:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.29	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.19	20.51				0.824			
Dichlorodifluoromethane	1	0		1.18	18.71	20			0.339	0.317	6.45	
Chloromethane	1	0	CP	1.29	18.06	20	0.1		0.396	0.336	9.70	
Bromomethane	1	0		1.58	16.13	20			0.176	0.142	19.35	
Vinyl Chloride	1	0	CC	1.36	17.91	20	20		0.288	0.258	10.45	
Chloroethane	1	0		1.63	17.85	20			0.166	0.165	10.75	
Trichlorofluoromethane	1	0		1.79	19.67	20			0.296	0.292	1.65	
Ethyl ether	1	0		1.99	19.39	20			0.345	0.334	3.05	
Furan	1	0		2.02	18.70	20			0.972	0.909	6.50	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.14	22.71	20			0.176	0.200	13.55	
Methylene Chloride	1	0		2.48	19.40	20			0.366	0.355	3.00	
Acrolein	1	0		2.08	115.82	100			0.042	0.052	15.82	
Acrylonitrile	1	0		2.66	19.32	20			0.132	0.128	3.40	
Iodomethane	1	0		2.25	11.81	20			0.524	0.459	40.95	
Acetone	1	0		2.19	114.89	100			0.114	0.106	14.89	
Carbon Disulfide	1	0		2.30	17.18	20			1.012	0.869	14.10	
t-Butyl Alcohol	1	0		2.55	85.38	100			0.028	0.024	14.62	
n-Hexane	1	0		2.87	23.46	20			0.227	0.267	17.30	
Di-isopropyl-ether	1	0		3.02	20.66	20			1.310	1.353	3.30	
1.1-Dichloroethene	1	0	CC	2.15	19.11	20	20		0.527	0.504	4.45	
Methyl Acetate	1	0		2.40	20.09	20			0.317	0.318	0.45	
Methyl-t-butyl ether	1	0		2.67	19.73	20			0.747	0.737	1.35	
1.1-Dichloroethane	1	0	CP	2.99	19.33	20	0.1		0.670	0.648	3.35	
trans-1.2-Dichloroethene	1	0		2.68	19.15	20			0.319	0.306	4.25	
cis-1.2-Dichloroethene	1	0		3.45	19.64	20			0.536	0.526	1.80	
Bromochloromethane	1	0		3.64	19.64	20			0.355	0.349	1.80	
2.2-Dichloropropane	1	0		3.45	26.29	20			0.296	0.389	31.45	
Ethyl acetate	1	0		3.50	19.91				0.388			
1.4-Dioxane	1	0		4.73	965.40	1000			0.004	0.004	3.46	
1.1-Dichloropropene	1	0		3.96	19.75	20			0.436	0.430	1.25	
Chloroform	1	0	CC	3.70	19.69	20	20		0.527	0.519	1.55	
Dibromofluoromethane	1	0	S	3.83	31.32	30			0.249	0.260	4.40	
Cyclohexane	1	0		3.89	20.69	20			0.399	0.413	3.45	
1.2-Dichloroethane-d4	1	0	S	4.07	30.60	30			0.158	0.161	2.00	
1.2-Dichloroethane	1	0		4.12	19.77	20			0.484	0.479	1.15	
2-Butanone	1	0		3.46	21.25	20			0.156	0.166	6.25	
1.1.1-Trichloroethane	1	0		3.85	18.98	20			0.399	0.378	5.10	
Carbon Tetrachloride	1	0		3.96	21.10	20			0.307	0.324	5.50	
Vinyl Acetate	1	0		3.02	19.77	20			1.242	1.338	1.15	
Bromodichloromethane	1	0		4.81	19.59	20			0.487	0.477	2.05	
Methylcyclohexane	1	0		4.63	22.96	20			0.319	0.366	14.80	
Dibromomethane	1	0		4.73	21.06	20			0.304	0.320	5.30	
1.2-Dichloropropane	1	0	CC	4.66	20.17	20	20		0.426	0.430	0.85	
Trichloroethene	1	0		4.52	19.48	20			0.364	0.354	2.60	
Benzene	1	0		4.11	19.71	20			1.355	1.335	1.45	
tert-Amyl methyl ether	1	0		4.18	19.70	20			0.854	0.841	1.50	
Chlorobenzene-d5	1	0	I	6.09	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.15	18.44				0.904			
Methyl methacrylate	1	0		4.71	21.90				0.509			
Dibromochloromethane	1	0		5.76	19.95	20			0.497	0.496	0.25	
2-Chloroethylvinylether	1	0		4.99	17.56	20			0.319	0.280	12.20	
cis-1.3-Dichloropropene	1	0		5.08	20.06	20			0.747	0.749	0.30	
trans-1.3-Dichloropropene	1	0		5.40	19.89	20			0.667	0.664	0.55	
Ethyl methacrylate	1	0		5.44	19.44				0.551			
1.1.2-Trichloroethane	1	0		5.52	19.60	20			0.416	0.408	2.00	
1.2-Dibromoethane	1	0		5.83	20.12	20			0.468	0.471	0.60	
1.3-Dichloropropane	1	0		5.61	19.98	20			0.760	0.759	0.10	
4-Methyl-2-Pentanone	1	0		5.16	18.61	20			0.564	0.537	6.95	
2-Hexanone	1	0		5.65	17.28	20			0.399	0.363	13.60	
Tetrachloroethene	1	0		5.60	20.50	20			0.393	0.403	2.50	
Toluene-d8	1	0	S	5.24	29.34	30			1.326	1.297	2.20	
Toluene	1	0	CC	5.28	19.22	20	20		1.119	1.075	3.90	
1.1.1.2-Tetrachloroethane	1	0		6.15	20.65	20			0.405	0.418	3.25	
Chlorobenzene	1	0	CP	6.11	19.22	20	0.3		1.271	1.221	3.90	
1.4-Dichlorobenzene-d4	1	0	I	7.49	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.41	17.76				1.775			
n-Amyl acetate	1	0		6.54	18.04				1.680			
Bromoform	1	0	CP	6.60	19.51	20	0.1		0.711	0.694	2.45	
Ethylbenzene	1	0	CC	6.16	23.32	20	20		0.867	0.847	16.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63642.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/2/2011 2:16:00 PM Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.85	18.88	20	0.3		0.995	0.940	5.60	
Bromofluorobenzene	1	0	S	6.79	29.46	30			0.937	0.920	1.80	
Styrene	1	0		6.47	19.44	20			2.221	2.160	2.80	
m&p-Xylenes	1	0		6.23	39.33	40			1.232	1.212	1.67	
o-Xylene	1	0		6.47	20.19	20			1.254	1.266	0.95	
trans-1.4-Dichloro-2-butene	1	0		6.88	29.34	20			0.253	0.303	46.70	
1.3-Dichlorobenzene	1	0		7.45	19.28	20			1.723	1.660	3.60	
1.4-Dichlorobenzene	1	0		7.51	19.82	20			1.764	1.748	0.90	
1.2-Dichlorobenzene	1	0		7.74	20.13	20			1.668	1.679	0.65	
Isopropylbenzene	1	0		6.68	20.96	20			2.944	3.086	4.80	
Cyclohexanone	1	0		6.76	125.08				0.037			
Camphene	1	0		6.85	21.25	20			0.762	0.810	6.25	
1.2.3-Trichloropropane	1	0		6.89	19.79	20			1.184	1.171	1.05	
2-Chlorotoluene	1	0		6.99	19.59	20			2.103	2.060	2.05	
p-Ethyltoluene	1	0		6.99	20.90				3.281			
4-Chlorotoluene	1	0		7.06	22.95	20			1.894	2.173	14.75	
n-Propylbenzene	1	0		6.92	20.53	20			3.663	3.761	2.65	
Bromobenzene	1	0		6.89	23.60	20			1.782	1.776	18.00	
1.3.5-Trimethylbenzene	1	0		7.02	19.06	20			2.491	2.374	4.70	
Butyl methacrylate	1	0		7.04	18.05				1.383			
t-Butylbenzene	1	0		7.23	20.83	20			2.325	2.422	4.15	
1.2.4-Trimethylbenzene	1	0		7.26	21.25	20			2.564	2.724	6.25	
sec-Butylbenzene	1	0		7.36	20.63	20			2.855	2.945	3.15	
4-Isopropyltoluene	1	0		7.44	20.43	20			2.283	2.332	2.15	
n-Butylbenzene	1	0		7.70	21.02	20			2.457	2.582	5.10	
p-Diethylbenzene	1	0		7.68	20.29				1.299			
1.2.4.5-Tetramethylbenzene	1	0		8.18	19.71				2.080			
1.2-Dibromo-3-Chloropropane	1	0		8.23	15.70	20			0.218	0.181	21.50	
Camphor	1	0		8.70	133.21	200			0.072	0.051	33.40	
Hexachlorobutadiene	1	0		8.86	19.14	20			0.722	0.691	4.30	
1.2.4-Trichlorobenzene	1	0		8.76	20.47	20			1.152	1.179	2.35	
1.2.3-Trichlorobenzene	1	0		9.08	17.57	20			1.051	0.924	12.15	
Naphthalene	1	0		8.93	16.56	20			2.089	1.837	17.20	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63642.D Sam Mult : 1 Vial# : 25 Qt On : 03/02/11 14:40
Acq On : 03/ 2/11 14:16 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.290	96	258299	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.094	117	215519	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.490	152	130264	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	3.827	111	67079	31.32	ug/l	-0.02
Spiked Amount 30.000			Recovery = 104.40%			
38) 1,2-Dichloroethane-d4	4.073	67	41517	30.60	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.00%			
65) Toluene-d8	5.240	98	279515	29.34	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.80%			
75) Bromofluorobenzene	6.786	174	119850	29.46	ug/l	-0.02
Spiked Amount 30.000			Recovery = 98.20%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.193	51	104785	20.51	ug/l	90
6) Dichlorodifluoromethane	1.177	85	54622	18.71	ug/l	93
7) Chloromethane	1.293	50	57834	18.06	ug/l	81
8) Bromomethane	1.576	94	24409	16.13	ug/l	76
9) Vinyl Chloride	1.360	62	44368	17.91	ug/l	96
10) Chloroethane	1.626	64	28469	17.85	ug/l	95
11) Trichlorofluoromethane	1.792	101	50207	19.67	ug/l	89
12) Ethyl ether	1.988	59	57560	19.39	ug/l	94
13) Furan	2.018	39	156516	18.70	ug/l	96
14) 1,1,2-Trichloro-1,2,2-...	2.136	101	34428	22.71	ug/l	94
15) Methylene Chloride	2.481	84	61165	19.40	ug/l	88
16) Acrolein	2.077	56	44871	115.82	ug/l	99
17) Acrylonitrile	2.658	53	22013	19.32	ug/l	96
18) Iodomethane	2.254	142	78993	11.81	ug/l	93
19) Acetone	2.185	43	91306	114.89	ug/l	85
20) Carbon Disulfide	2.303	76	149710	17.18	ug/l	100
21) t-Butyl Alcohol	2.550	59	20820	85.38	ug/l	96
22) n-Hexane	2.865	57	45931	23.46	ug/l	78
23) Di-isopropyl-ether	3.023	45	233002	20.66	ug/l	86
24) 1,1-Dichloroethene	2.146	61	86748	19.11	ug/l	94
25) Methyl Acetate	2.402	43	54795	20.09	ug/l	100
26) Methyl-t-butyl ether	2.668	73	126963	19.73	ug/l	68
27) 1,1-Dichloroethane	2.994	63	111526	19.33	ug/l	100
28) trans-1,2-Dichloroethene	2.678	96	52669	19.15	ug/l	92
29) cis-1,2-Dichloroethene	3.448	61	90574	19.64	ug/l	88
30) Bromochloromethane	3.640	49	60020	19.64	ug/l	67
31) 2,2-Dichloropropane	3.448	77	66916	26.29	ug/l	92
32) Ethyl acetate	3.502	43	66569	19.91	ug/l	98
33) 1,4-Dioxane	4.729	88	30729	965.40	ug/l	91
34) 1,1-Dichloropropene	3.965	75	74078	19.75	ug/l	95
35) Chloroform	3.700	83	89314	19.69	ug/l	83
37) Cyclohexane	3.887	56	71152	20.69	ug/l	89
39) 1,2-Dichloroethane	4.121	62	82449	19.77	ug/l	99
40) 2-Butanone	3.460	43	28634	21.25	ug/l	98
41) 1,1,1-Trichloroethane	3.851	97	65160	18.98	ug/l	99
42) Carbon Tetrachloride	3.965	117	55728	21.10	ug/l	86
43) Vinyl Acetate	3.023	43	230448	19.77	ug/l	100
44) Bromodichloromethane	4.813	83	82211	19.59	ug/l	99
45) Methylcyclohexane	4.633	83	63089	22.96	ug/l	94
46) Dibromomethane	4.729	174	55127	21.06	ug/l	95
47) 1,2-Dichloropropane	4.657	63	74017	20.17	ug/l	98
48) Trichloroethene	4.518	130	61010	19.48	ug/l	97
49) Benzene	4.109	78	229953	19.71	ug/l	100
50) tert-Amyl methyl ether	4.175	73	144821	19.70	ug/l	76
52) Iso-propylacetate	4.145	43	128934	18.44	ug/l	86
53) Methyl methacrylate	4.711	41	76227	21.90	ug/l	99
54) Dibromochloromethane	5.758	129	71233	19.95	ug/l	87
55) 2-Chloroethylvinylether	4.988	63	40299	17.56	ug/l	91
56) cis-1,3-Dichloropropene	5.078	75	107585	20.06	ug/l	91
57) trans-1,3-Dichloropropene	5.403	75	95381	19.89	ug/l	95
58) Ethyl methacrylate	5.439	41	75096	19.44	ug/l	75
59) 1,1,2-Trichloroethane	5.517	97	58607	19.60	ug/l	83
60) 1,2-Dibromoethane	5.830	107	67695	20.12	ug/l	86
61) 1,3-Dichloropropane	5.613	76	109033	19.98	ug/l	100
62) 4-Methyl-2-Pentanone	5.162	43	77098	18.61	ug/l	83
63) 2-Hexanone	5.649	43	52144	17.28	ug/l	85
64) Tetrachloroethene	5.601	164	57906	20.50	ug/l	99
66) Toluene	5.276	92	154479	19.22	ug/l	100
67) 1,1,1,2-Tetrachloroethane	6.155	133	60097	20.65	ug/l	57

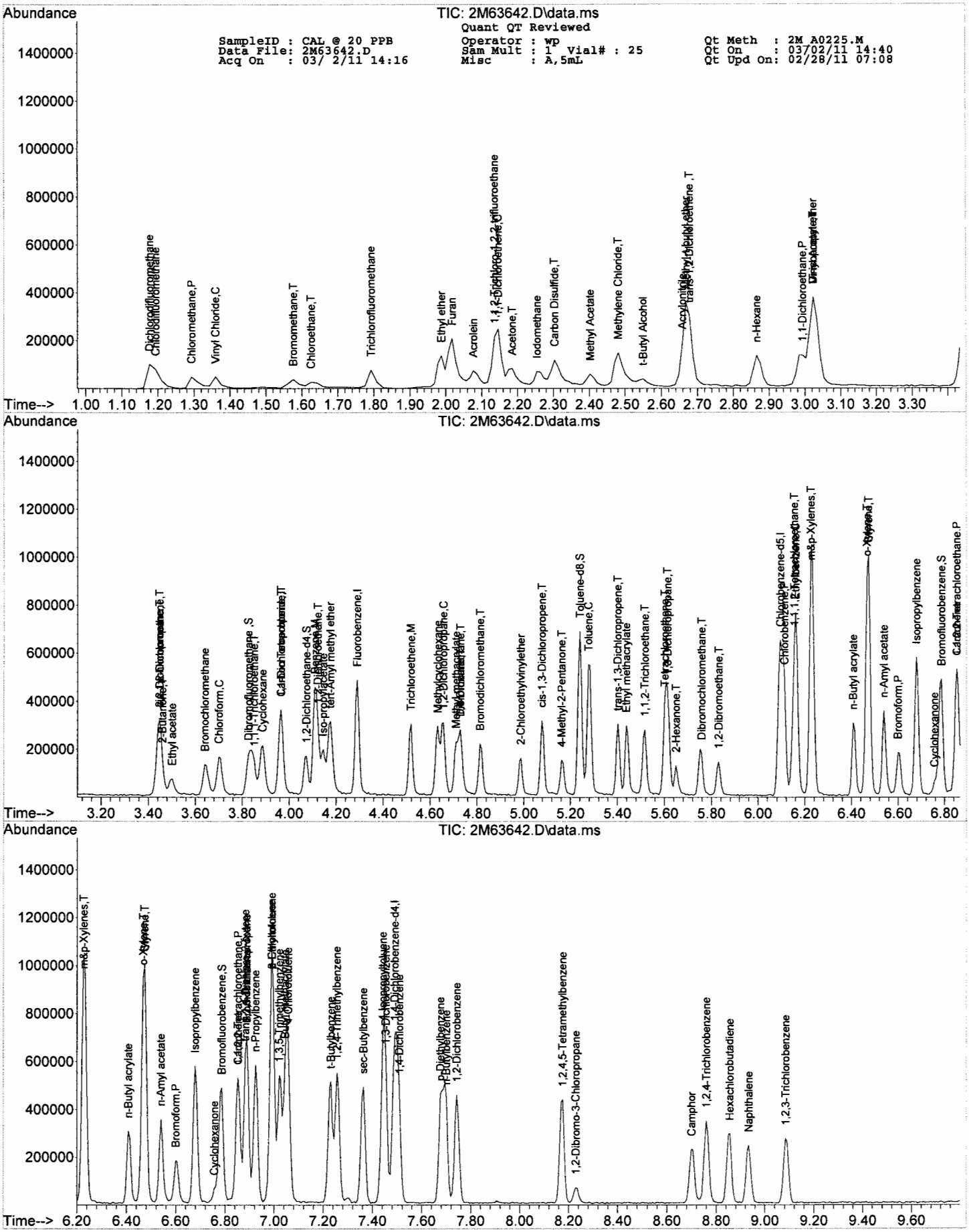
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63642.D Sam Mult : 1 Vial# : 25 Qt On : 03/02/11 14:40
Acq On : 03/ 2/11 14:16 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.112	112	175453	19.22 ug/l	92
70) n-Butyl acrylate	6.407	55	145563	17.76 ug/l	97
71) n-Amyl acetate	6.540	43	150692	18.04 ug/l	92
72) Bromoform	6.600	173	60226	19.51 ug/l	100
73) Ethylbenzene	6.161	106	73520	23.32 ug/l	76
74) 1,1,2,2-Tetrachloroethane	6.852	83	81597	18.88 ug/l	97
76) Styrene	6.473	104	187558	19.44 ug/l	89
77) m&p-Xylenes	6.227	106	210427	39.33 ug/l	81
78) o-Xylene	6.467	106	109964	20.19 ug/l	70
79) trans-1,4-Dichloro-2-b...	6.882	53	26302	29.34 ug/l	49
80) 1,3-Dichlorobenzene	7.454	146	144181	19.28 ug/l	86
81) 1,4-Dichlorobenzene	7.508	146	151815	19.82 ug/l	93
82) 1,2-Dichlorobenzene	7.743	146	145826	20.13 ug/l	85
83) Isopropylbenzene	6.678	105	267979	20.96 ug/l	91
84) Cyclohexanone	6.756	55	20069	125.08 ug/l	94
85) Camphene	6.852	93	70323	21.25 ug/l	96
86) 1,2,3-Trichloropropane	6.888	75	101718	19.79 ug/l	84
87) 2-Chlorotoluene	6.991	91	178880	19.59 ug/l	94
88) p-Ethyltoluene	6.991	105	297768	20.90 ug/l	88
89) 4-Chlorotoluene	7.057	91	188736	22.95 ug/l	90
90) n-Propylbenzene	6.924	91	326575	20.53 ug/l	95
91) Bromobenzene	6.888	77	154228	23.60 ug/l	85
92) 1,3,5-Trimethylbenzene	7.021	105	206127	19.06 ug/l	84
93) Butyl methacrylate	7.045	41	118586	18.05 ug/l	49
94) t-Butylbenzene	7.231	119	210311	20.83 ug/l	76
95) 1,2,4-Trimethylbenzene	7.255	105	236591	21.25 ug/l	87
96) sec-Butylbenzene	7.364	105	255776	20.63 ug/l	97
97) 4-Isopropyltoluene	7.442	119	202554	20.43 ug/l	87
98) n-Butylbenzene	7.700	91	224252	21.02 ug/l	92
99) p-Diethylbenzene	7.676	119	115760	20.29 ug/l	90
100) 1,2,4,5-Tetramethylben...	8.176	119	186513	19.71 ug/l	84
101) 1,2-Dibromo-3-Chloropr...	8.230	157	15694	15.70 ug/l	56
102) Camphor	8.699	95	43984	133.21 ug/l	94
103) Hexachlorobutadiene	8.855	225	60037	19.14 ug/l	93
104) 1,2,4-Trichlorobenzene	8.759	180	102367	20.47 ug/l	93
105) 1,2,3-Trichlorobenzene	9.084	180	80219	17.57 ug/l	93
106) Naphthalene	8.934	128	159508	16.56 ug/l	100

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


Abundance
TIC: 2M63642.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M63642.D
Acq On : 03/ 2/11 14:16
Operator : wp
Sam Mult : 1 Vial# : 25
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/02/11 14:40
Qt Upd On: 02/28/11 07:08
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63684.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/3/2011 8:28:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.28	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.18	18.66				0.824			
Dichlorodifluoromethane	1	0		1.18	19.93	20			0.339	0.338	0.35	
Chloromethane	1	0	CP	1.29	20.61	20	0.1		0.396	0.383	3.05	
Bromomethane	1	0		1.56	19.61	20			0.176	0.172	1.95	
Vinyl Chloride	1	0	CC	1.36	19.83	20	20		0.288	0.285	0.85	
Chloroethane	1	0		1.63	18.02	20			0.166	0.166	9.90	
Trichlorofluoromethane	1	0		1.79	21.24	20			0.296	0.315	6.20	
Ethyl ether	1	0		1.98	19.49	20			0.345	0.336	2.55	
Furan	1	0		2.01	22.92	20			0.972	1.114	14.60	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.13	22.91	20			0.176	0.202	14.55	
Methylene Chloride	1	0		2.47	21.07	20			0.366	0.386	5.35	
Acrolein	1	0		2.07	108.84	100			0.042	0.049	8.84	
Acrylonitrile	1	0		2.65	20.64	20			0.132	0.137	3.20	
Iodomethane	1	0		2.24	14.46	20			0.524	0.513	27.70	
Acetone	1	0		2.17	112.00	100			0.114	0.103	12.00	
Carbon Disulfide	1	0		2.29	18.48	20			1.012	0.935	7.60	
t-Butyl Alcohol	1	0		2.54	75.38	100			0.028	0.021	24.62	
n-Hexane	1	0		2.86	23.73	20			0.227	0.270	18.65	
Di-isopropyl-ether	1	0		3.01	21.96	20			1.310	1.438	9.80	
1.1-Dichloroethene	1	0	CC	2.14	20.12	20	20		0.527	0.531	0.60	
Methyl Acetate	1	0		2.39	19.97	20			0.317	0.316	0.15	
Methyl-t-butyl ether	1	0		2.66	20.12	20			0.747	0.752	0.60	
1.1-Dichloroethane	1	0	CP	2.97	21.20	20	0.1		0.670	0.710	6.00	
trans-1.2-Dichloroethene	1	0		2.66	20.37	20			0.319	0.325	1.85	
cis-1.2-Dichloroethene	1	0		3.43	21.13	20			0.536	0.566	5.65	
Bromochloromethane	1	0		3.63	21.34	20			0.355	0.379	6.70	
2.2-Dichloropropane	1	0		3.43	27.22	20			0.296	0.402	36.10	
Ethyl acetate	1	0		3.48	18.63				0.388			
1.4-Dioxane	1	0		4.72	940.52	1000			0.004	0.003	5.95	
1.1-Dichloropropene	1	0		3.95	19.86	20			0.436	0.433	0.70	
Chloroform	1	0	CC	3.68	21.05	20	20		0.527	0.554	5.25	
Dibromofluoromethane	1	0	S	3.81	29.59	30			0.249	0.245	1.37	
Cyclohexane	1	0		3.87	21.04	20			0.399	0.420	5.20	
1.2-Dichloroethane-d4	1	0	S	4.05	28.52	30			0.158	0.150	4.93	
1.2-Dichloroethane	1	0		4.11	20.24	20			0.484	0.490	1.20	
2-Butanone	1	0		3.44	20.08	20			0.156	0.157	0.40	
1.1.1-Trichloroethane	1	0		3.83	20.42	20			0.399	0.407	2.10	
Carbon Tetrachloride	1	0		3.95	23.50	20			0.307	0.360	17.50	
Vinyl Acetate	1	0		3.00	20.46	20			1.242	1.385	2.30	
Bromodichloromethane	1	0		4.80	23.18	20			0.487	0.565	15.90	
Methylcyclohexane	1	0		4.62	22.54	20			0.319	0.360	12.70	
Dibromomethane	1	0		4.71	25.42	20			0.304	0.387	27.10	
1.2-Dichloropropane	1	0	CC	4.64	21.55	20	20		0.426	0.459	7.75	
Trichloroethene	1	0		4.50	21.13	20			0.364	0.384	5.65	
Benzene	1	0		4.10	20.93	20			1.355	1.418	4.65	
tert-Amyl methyl ether	1	0		4.16	22.00	20			0.854	0.939	10.00	
Chlorobenzene-d5	1	0	I	6.08	30.00	30				0.000	0.00	
Iso-propylacetate	1	0		4.13	18.08				0.904			
Methyl methacrylate	1	0		4.70	18.41				0.509			
Dibromochloromethane	1	0		5.74	21.50	20			0.497	0.534	7.50	
2-Chloroethylvinylether	1	0		4.97	18.33	20			0.319	0.293	8.35	
cis-1.3-Dichloropropene	1	0		5.07	21.05	20			0.747	0.786	5.25	
trans-1.3-Dichloropropene	1	0		5.39	20.29	20			0.667	0.677	1.45	
Ethyl methacrylate	1	0		5.43	19.00				0.551			
1.1.2-Trichloroethane	1	0		5.50	20.08	20			0.416	0.418	0.40	
1.2-Dibromoethane	1	0		5.81	21.32	20			0.468	0.499	6.60	
1.3-Dichloropropane	1	0		5.60	20.29	20			0.760	0.771	1.45	
4-Methyl-2-Pentanone	1	0		5.15	17.25	20			0.564	0.497	13.75	
2-Hexanone	1	0		5.63	16.69	20			0.399	0.351	16.55	
Tetrachloroethene	1	0		5.59	22.15	20			0.393	0.435	10.75	
Toluene-d8	1	0	S	5.22	27.42	30			1.326	1.212	8.60	
Toluene	1	0	CC	5.26	20.08	20	20		1.119	1.123	0.40	
1.1.1.2-Tetrachloroethane	1	0		6.14	21.93	20			0.405	0.444	9.65	
Chlorobenzene	1	0	CP	6.09	20.92	20	0.3		1.271	1.329	4.60	
1.4-Dichlorobenzene-d4	1	0	I	7.47	30.00	30				0.000	0.00	
n-Butyl acrylate	1	0		6.39	16.72				1.775			
n-Amyl acetate	1	0		6.52	16.32				1.680			
Bromoform	1	0	CP	6.59	20.19	20	0.1		0.711	0.717	0.95	
Ethylbenzene	1	0	CC	6.15	24.04	20	20		0.867	0.873	20.20	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M63684.D **Instrument:** GCMS 2

Cont Calibration Date/Time 3/3/2011 8:28:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.1.2.2-Tetrachloroethane	1	0	CP	6.83	18.66	20	0.3		0.995	0.929	6.70	
Bromofluorobenzene	1	0	S	6.77	29.97	30			0.937	0.936	0.10	
Styrene	1	0		6.45	21.15	20			2.221	2.349	5.75	
m&p-Xylenes	1	0		6.21	41.00	40			1.232	1.263	2.50	
o-Xylene	1	0		6.45	20.95	20			1.254	1.314	4.75	
trans-1.4-Dichloro-2-butene	1	0		6.87	23.11	20			0.253	0.239	15.55	
1.3-Dichlorobenzene	1	0		7.44	21.61	20			1.723	1.861	8.05	
1.4-Dichlorobenzene	1	0		7.48	22.08	20			1.764	1.947	10.40	
1.2-Dichlorobenzene	1	0		7.72	21.88	20			1.668	1.825	9.40	
Isopropylbenzene	1	0		6.66	21.00	20			2.944	3.092	5.00	
Cyclohexanone	1	0		6.74	114.01				0.037			
Camphene	1	0		6.83	19.73	20			0.762	0.752	1.35	
1.2.3-Trichloropropane	1	0		6.87	19.93	20			1.184	1.180	0.35	
2-Chlorotoluene	1	0		6.97	19.65	20			2.103	2.066	1.75	
p-Ethyltoluene	1	0		6.97	21.22				3.281			
4-Chlorotoluene	1	0		7.04	21.57	20			1.894	2.043	7.85	
n-Propylbenzene	1	0		6.91	20.81	20			3.663	3.811	4.05	
Bromobenzene	1	0		6.87	23.79	20			1.782	1.790	18.95	
1.3.5-Trimethylbenzene	1	0		7.00	19.51	20			2.491	2.430	2.45	
Butyl methacrylate	1	0		7.03	17.39				1.383			
t-Butylbenzene	1	0		7.21	20.76	20			2.325	2.414	3.80	
1.2.4-Trimethylbenzene	1	0		7.24	21.06	20			2.564	2.700	5.30	
sec-Butylbenzene	1	0		7.35	19.96	20			2.855	2.850	0.20	
4-Isopropyltoluene	1	0		7.42	20.45	20			2.283	2.334	2.25	
n-Butylbenzene	1	0		7.68	20.95	20			2.457	2.574	4.75	
p-Diethylbenzene	1	0		7.66	20.95				1.299			
1.2.4.5-Tetramethylbenzene	1	0		8.15	19.81				2.080			
1.2-Dibromo-3-Chloropropane	1	0		8.21	16.02	20			0.218	0.184	19.90	
Camphor	1	0		8.68	120.82	200			0.072	0.046	39.59	
Hexachlorobutadiene	1	0		8.83	20.73	20			0.722	0.749	3.65	
1.2.4-Trichlorobenzene	1	0		8.74	22.23	20			1.152	1.280	11.15	
1.2.3-Trichlorobenzene	1	0		9.07	18.94	20			1.051	0.996	5.30	
Naphthalene	1	0		8.92	14.84	20			2.089	1.646	25.80	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63684.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 08:28 Misc : A,5mL Qt Upd On: 03/03/11 11:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.277	96	286529	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.076	117	251684	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.472	152	155165	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.808	111	70299	29.59	ug/l	-0.04
Spiked Amount 30.000			Recovery = 98.63%			
38) 1,2-Dichloroethane-d4	4.055	67	42916	28.52	ug/l	-0.04
Spiked Amount 30.000			Recovery = 95.07%			
65) Toluene-d8	5.222	98	305092	27.42	ug/l	-0.04
Spiked Amount 30.000			Recovery = 91.40%			
75) Bromofluorobenzene	6.768	174	145249	29.97	ug/l	-0.04
Spiked Amount 30.000			Recovery = 99.90%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.176	51	105771	18.66	ug/l	99
6) Dichlorodifluoromethane	1.176	85	64536	19.93	ug/l	87
7) Chloromethane	1.292	50	73245	20.61	ug/l	81
8) Bromomethane	1.559	94	32919	19.61	ug/l	83
9) Vinyl Chloride	1.359	62	54506	19.83	ug/l	97
10) Chloroethane	1.625	64	31778	18.02	ug/l	97
11) Trichlorofluoromethane	1.792	101	60140	21.24	ug/l	86
12) Ethyl ether	1.978	59	64170	19.49	ug/l	83
13) Furan	2.007	39	212760	22.92	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.126	101	38516	22.91	ug/l	96
15) Methylene Chloride	2.471	84	73666	21.07	ug/l	92
16) Acrolein	2.067	56	46773	108.84	ug/l	93
17) Acrylonitrile	2.648	53	26079	20.64	ug/l	82
18) Iodomethane	2.244	142	98011	14.46	ug/l	94
19) Acetone	2.165	43	98731	112.00	ug/l	91
20) Carbon Disulfide	2.293	76	178610	18.48	ug/l	100
21) t-Butyl Alcohol	2.540	59	20390	75.38	ug/l	92
22) n-Hexane	2.855	57	51535	23.73	ug/l	72
23) Di-isopropyl-ether	3.013	45	274666	21.96	ug/l	93
24) 1,1-Dichloroethene	2.136	61	101343	20.12	ug/l	90
25) Methyl Acetate	2.392	43	60402	19.97	ug/l	100
26) Methyl-t-butyl ether	2.658	73	143576	20.12	ug/l	69
27) 1,1-Dichloroethane	2.974	63	135650	21.20	ug/l	100
28) trans-1,2-Dichloroethene	2.658	96	62157	20.37	ug/l	87
29) cis-1,2-Dichloroethene	3.429	61	108108	21.13	ug/l	83
30) Bromochloromethane	3.628	49	72354	21.34	ug/l	77
31) 2,2-Dichloropropane	3.429	77	76875	27.22	ug/l	91
32) Ethyl acetate	3.483	43	69096	18.63	ug/l	99
33) 1,4-Dioxane	4.717	88	33209	940.52	ug/l	69
34) 1,1-Dichloropropene	3.947	75	82667	19.86	ug/l	93
35) Chloroform	3.682	83	105883	21.05	ug/l	83
37) Cyclohexane	3.868	56	80261	21.04	ug/l	89
39) 1,2-Dichloroethane	4.109	62	93640	20.24	ug/l	97
40) 2-Butanone	3.441	43	30010	20.08	ug/l	88
41) 1,1,1-Trichloroethane	3.832	97	77793	20.42	ug/l	86
42) Carbon Tetrachloride	3.953	117	68838	23.50	ug/l	95
43) Vinyl Acetate	3.003	43	264578	20.46	ug/l	100
44) Bromodichloromethane	4.801	83	107903	23.18	ug/l	98
45) Methylcyclohexane	4.620	83	68699	22.54	ug/l	95
46) Dibromomethane	4.711	174	73832	25.42	ug/l	85
47) 1,2-Dichloropropane	4.638	63	87746	21.55	ug/l	95
48) Trichloroethene	4.500	130	73406	21.13	ug/l	94
49) Benzene	4.097	78	270776	20.93	ug/l	100
50) tert-Amyl methyl ether	4.157	73	179415	22.00	ug/l	74
52) Iso-propylacetate	4.133	43	147615	18.08	ug/l	69
53) Methyl methacrylate	4.698	41	74851	18.41	ug/l	85
54) Dibromochloromethane	5.739	129	89644	21.50	ug/l	97
55) 2-Chloroethylvinylether	4.969	63	49117	18.33	ug/l	80
56) cis-1,3-Dichloropropene	5.065	75	131820	21.05	ug/l	85
57) trans-1,3-Dichloropropene	5.390	75	113633	20.29	ug/l	100
58) Ethyl methacrylate	5.426	41	85719	19.00	ug/l	72
59) 1,1,2-Trichloroethane	5.499	97	70105	20.08	ug/l	79
60) 1,2-Dibromoethane	5.811	107	83769	21.32	ug/l	100
61) 1,3-Dichloropropane	5.601	76	129294	20.29	ug/l	93
62) 4-Methyl-2-Pentanone	5.150	43	83450	17.25	ug/l	98
63) 2-Hexanone	5.631	43	58818	16.69	ug/l	90
64) Tetrachloroethene	5.589	164	73045	22.15	ug/l	99
66) Toluene	5.264	92	188417	20.08	ug/l	93
67) 1,1,1,2-Tetrachloroethane	6.136	133	74533	21.93	ug/l	51

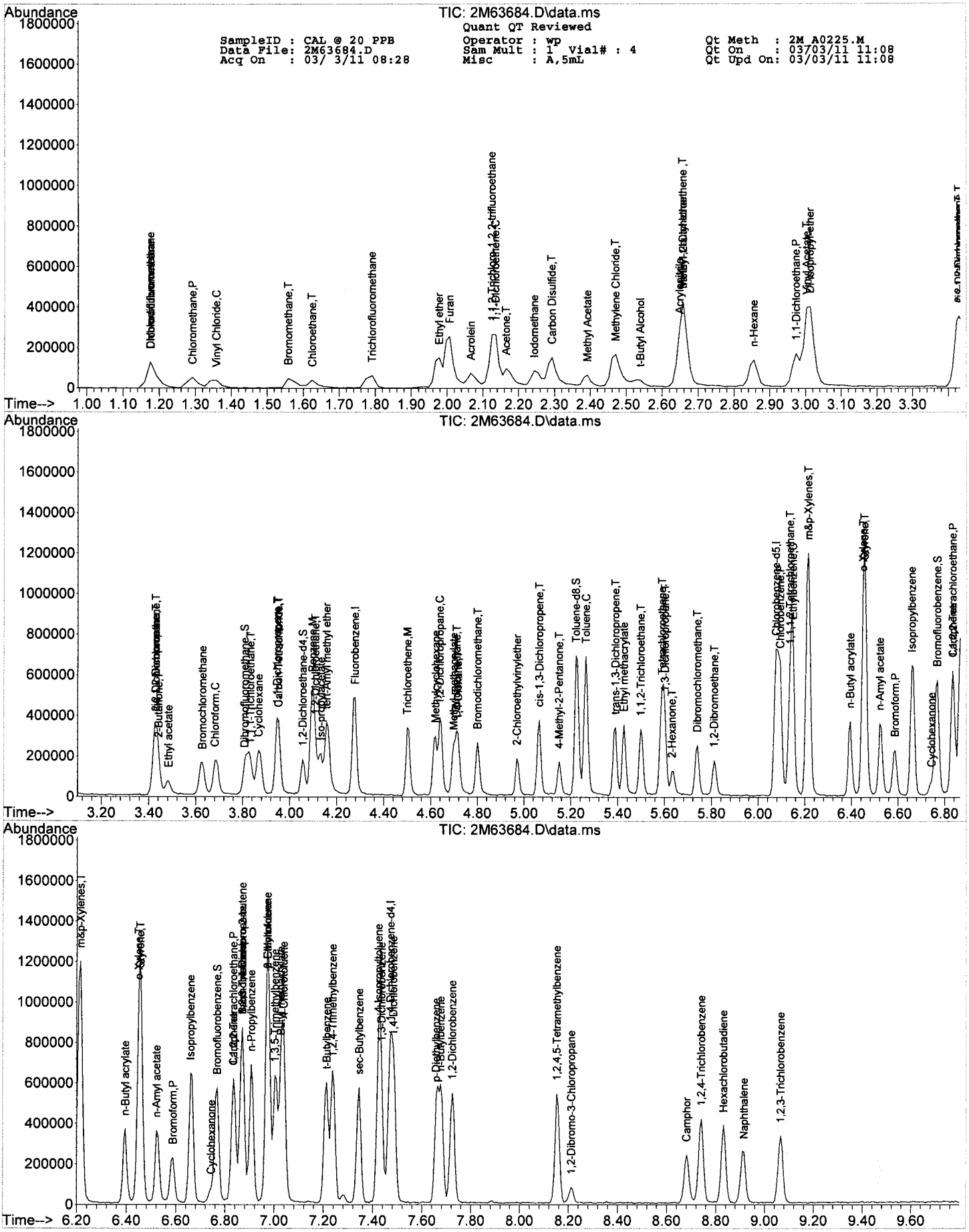
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63684.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 08:28 Misc : A,5mL Qt Upd On: 03/03/11 11:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.094	112	223048	20.92 ug/l	98
70)	n-Butyl acrylate	6.395	55	163299	16.72 ug/l	95
71)	n-Amyl acetate	6.521	43	162339	16.32 ug/l	87
72)	Bromoform	6.587	173	74204	20.19 ug/l	98
73)	Ethylbenzene	6.148	106	90264	24.04 ug/l	78
74)	1,1,2,2-Tetrachloroethane	6.834	83	96094	18.66 ug/l	98
76)	Styrene	6.455	104	242954	21.15 ug/l	84
77)	m&p-Xylenes	6.214	106	261327	41.00 ug/l	78
78)	o-Xylene	6.449	106	135906	20.95 ug/l	68
79)	trans-1,4-Dichloro-2-b...	6.870	53	24679	23.11 ug/l	25
80)	1,3-Dichlorobenzene	7.435	146	192507	21.61 ug/l	83
81)	1,4-Dichlorobenzene	7.484	146	201409	22.08 ug/l	90
82)	1,2-Dichlorobenzene	7.724	146	188822	21.88 ug/l	85
83)	Isopropylbenzene	6.660	105	319872	21.00 ug/l	90
84)	Cyclohexanone	6.744	55	21790	114.01 ug/l	91
85)	Camphene	6.834	93	77767	19.73 ug/l	91
86)	1,2,3-Trichloropropane	6.870	75	122017	19.93 ug/l	87
87)	2-Chlorotoluene	6.972	91	213747	19.65 ug/l	94
88)	p-Ethyltoluene	6.972	105	360124	21.22 ug/l	88
89)	4-Chlorotoluene	7.038	91	211294	21.57 ug/l	87
90)	n-Propylbenzene	6.906	91	394191	20.81 ug/l	94
91)	Bromobenzene	6.870	77	185213	23.79 ug/l	75
92)	1,3,5-Trimethylbenzene	7.002	105	251325	19.51 ug/l	81
93)	Butyl methacrylate	7.026	41	136060	17.39 ug/l	80
94)	t-Butylbenzene	7.213	119	249671	20.76 ug/l	75
95)	1,2,4-Trimethylbenzene	7.237	105	279265	21.06 ug/l	83
96)	sec-Butylbenzene	7.345	105	294779	19.96 ug/l	95
97)	4-Isopropyltoluene	7.423	119	241482	20.45 ug/l	86
98)	n-Butylbenzene	7.676	91	266249	20.95 ug/l	90
99)	p-Diethylbenzene	7.658	119	142418	20.95 ug/l	86
100)	1,2,4,5-Tetramethylben...	8.151	119	223339	19.81 ug/l	79
101)	1,2-Dibromo-3-Chloropr...	8.211	157	19082	16.02 ug/l	46
102)	Camphor	8.681	95	47522	120.82 ug/l	92
103)	Hexachlorobutadiene	8.831	225	77470	20.73 ug/l	96
104)	1,2,4-Trichlorobenzene	8.741	180	132431	22.23 ug/l	93
105)	1,2,3-Trichlorobenzene	9.066	180	103014	18.94 ug/l	95
106)	Naphthalene	8.915	128	170307	14.84 ug/l	100

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


TIC: 2M63684.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M63684.D
Acq On : 03/ 3/11 08:28
Operator : wp
Sam Mult : 1 Vial# : 4
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03703/11 11:08
Qt Upd On: 03/03/11 11:08
Abundance
Time-->

SPLP
GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65279.D
Analysis Date: 02/02/11 09:25
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.113 to 4.143 min

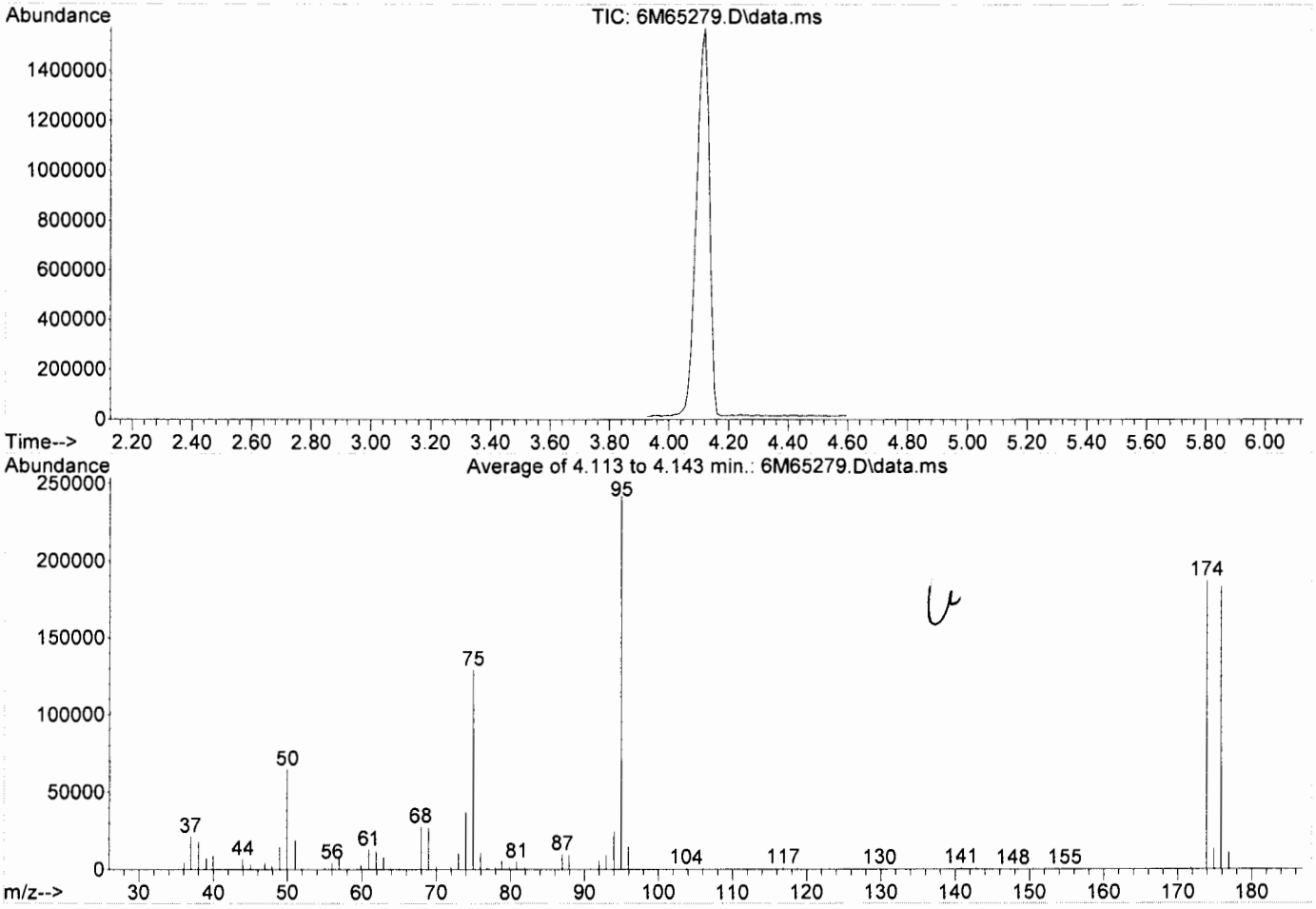
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.8	64744	PASS
75	95	30	60	53.5	129274	PASS
95	95	100	100	100.0	241702	PASS
96	95	5	9	6.1	14813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	186886	PASS
175	174	5	9	7.1	13177	PASS
176	174	95	101	97.9	183028	PASS
177	176	5	9	6.3	11451	PASS

Data File	Sample Number	Analysis Date:
6M65280.D	BLK	02/02/11 09:36
6M65281.D	CAL @ 1 PPB	02/02/11 09:52
6M65282.D	CAL @ 0.5 PPB	02/02/11 10:09
6M65283.D	CAL @ 5 PPB	02/02/11 10:25
6M65284.D	CAL @ 500 PPB	02/02/11 10:48
6M65285.D	CAL @ 250 PPB	02/02/11 11:06
6M65286.D	CAL @ 100 PPB	02/02/11 11:22
6M65287.D	CAL @ 50 PPB	02/02/11 11:40
6M65288.D	CAL @ 20 PPB	02/02/11 11:56
6M65289.D	CAL @ 10 PPB	02/02/11 12:13
6M65290.D	BLK	02/02/11 12:29
6M65291.D	20 PPB	02/02/11 12:46
6M65292.D	20 PPB	02/02/11 13:02
6M65293.D	ICV	02/02/11 13:30
6M65294.D	BLK	02/02/11 13:46
6M65295.D	DAILY BLANK	02/02/11 14:05
6M65296.D	DAILY BLANK	02/02/11 14:21
6M65297.D	MBS5772	02/02/11 14:37
6M65298.D	MBS5774	02/02/11 14:54
6M65299.D	BLK	02/02/11 15:10
6M65300.D	20ppb(1/31)	02/02/11 15:26
6M65301.D	20ppb(2/1)	02/02/11 15:45
6M65302.D	20ppb(2/1)	02/02/11 16:01
6M65303.D	AC57073-002	02/02/11 16:22
6M65304.D	AC57073-005	02/02/11 16:38
6M65305.D	BLK	02/02/11 16:55
6M65306.D	AC57073-009	02/02/11 17:11
6M65307.D	AC57073-008	02/02/11 17:27
6M65308.D	AC57073-007	02/02/11 17:44
6M65309.D	BLK	02/03/11 07:01

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-02-11\
Data File : 6M65279.D
Acq On : 2 Feb 2011 9:25
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_1\MethodQt\1M_S0104.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Jan 04 11:28:15 2011



Spectrum Information: Average of 4.113 to 4.143 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.8	64744	PASS
75	95	30	60	53.5	129274	PASS
95	95	100	100	100.0	241702	PASS
96	95	5	9	6.1	14813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	186886	PASS
175	174	5	9	7.1	13177	PASS
176	174	95	101	97.9	183028	PASS
177	176	5	9	6.3	11451	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M87517.D
Analysis Date: 02/09/11 09:13
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.437 min

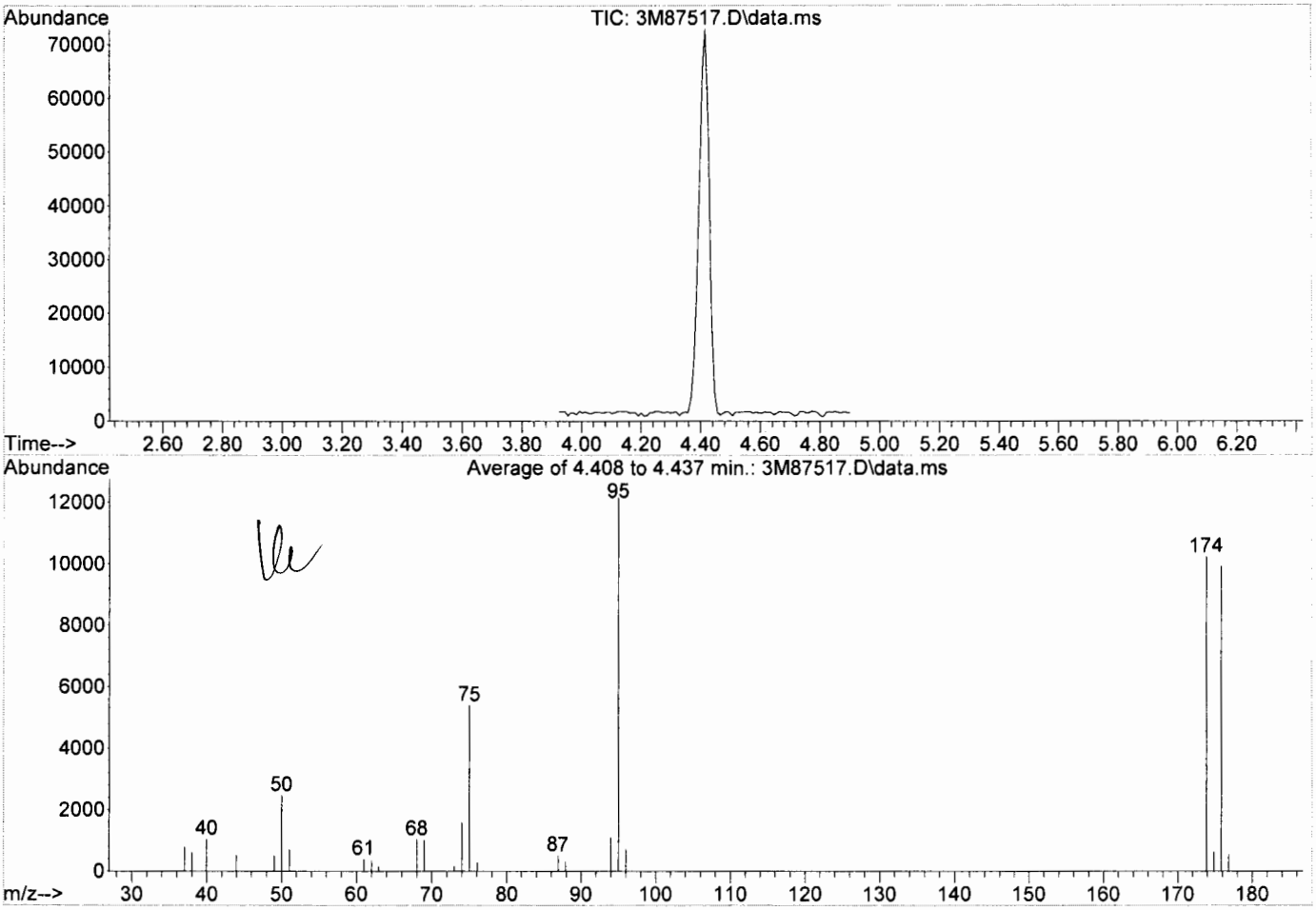
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.3	2470	PASS
75	95	30	60	44.4	5393	PASS
95	95	100	100	100.0	12141	PASS
96	95	5	9	5.8	708	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	10227	PASS
175	174	5	9	6.1	621	PASS
176	174	95	101	97.0	9919	PASS
177	176	5	9	5.4	537	PASS

Data File	Sample Number	Analysis Date:
3M87518.D	BLK	02/09/11 09:23
3M87519.D	CAL @ 1 PPB	02/09/11 09:40
3M87520.D	CAL @ 0.5 PPB	02/09/11 09:59
3M87521.D	CAL @ 5 PPB	02/09/11 10:18
3M87522.D	CAL @ 500 PPB	02/09/11 10:35
3M87523.D	CAL @ 250 PPB	02/09/11 10:52
3M87524.D	CAL @ 100 PPB	02/09/11 11:08
3M87525.D	CAL @ 50 PPB	02/09/11 11:25
3M87526.D	CAL @ 20 PPB	02/09/11 11:41
3M87527.D	CAL @ 10 PPB	02/09/11 11:58
3M87528.D	BLK	02/09/11 12:15
3M87529.D	ICV	02/09/11 12:31
3M87530.D	20 PPB	02/09/11 12:48
3M87531.D	DAILY BLANK	02/09/11 13:04
3M87532.D	DAILY BLANK	02/09/11 13:21
3M87533.D	1 PPB	02/09/11 13:38
3M87534.D	MBS5983	02/09/11 13:54
3M87535.D	BLK	02/09/11 14:11
3M87536.D	BLK	02/09/11 14:27
3M87537.D	MBS5993	02/09/11 14:44
3M87538.D	57040-001	02/09/11 15:01
3M87539.D	20 PPB	02/09/11 15:17
3M87540.D	AC57040-001(50X)	02/09/11 15:37
3M87541.D	AC57040-002(50X)	02/09/11 15:58
3M87542.D	AC57040-003(50X)	02/09/11 16:20
3M87543.D	20 PPB	02/09/11 16:40
3M87544.D	MBS5988	02/09/11 16:57
3M87545.D	57180-001	02/09/11 17:14
3M87546.D	57180-004	02/09/11 17:30
3M87547.D	BLK	02/09/11 17:47
3M87548.D	AC57171-011	02/09/11 18:04
3M87549.D	AC57171-012	02/09/11 18:20
3M87550.D	AC57171-013	02/09/11 18:37
3M87551.D	AC57182-004	02/09/11 18:54
3M87552.D	AC57171-001	02/09/11 19:10
3M87553.D	AC57171-002	02/09/11 19:26
3M87554.D	AC57171-003	02/09/11 19:43
3M87555.D	AC57171-004	02/09/11 19:59
3M87556.D	AC57171-005	02/09/11 20:16
3M87557.D	AC57080-001(MS)	02/09/11 20:33
3M87558.D	AC57080-001(MSD	02/09/11 20:49
3M87559.D	BLK	02/09/11 21:06
3M87560.D	AC57171-007	02/09/11 21:22
3M87561.D	AC57171-008	02/09/11 21:38
3M87562.D	AC57171-009	02/09/11 21:55
3M87563.D	AC57171-010	02/09/11 22:11
3M87564.D	AC57171-014	02/09/11 22:27
3M87565.D	BLK	02/09/11 22:44
3M87566.D	AC57182-001	02/09/11 23:00
3M87567.D	AC57182-002(50X)	02/09/11 23:19
3M87568.D	AC57182-003(50X)	02/09/11 23:41
3M87569.D	AC57171-006(50X)	02/10/11 00:02
3M87570.D	MBS5989	02/10/11 00:21
3M87571.D	BLK	02/10/11 00:37
3M87572.D	BLK	02/10/11 00:53
3M87573.D	BLK	02/10/11 01:10
3M87574.D	BLK	02/10/11 01:27
3M87575.D	BLK	02/10/11 01:43
3M87576.D	BLK	02/10/11 01:59
3M87577.D	BLK	02/10/11 02:16
3M87578.D	BLK	02/10/11 02:32

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-09-11\
Data File : 3M87517.D
Acq On : 9 Feb 2011 9:13
Operator : WP
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0203.M
Title : @GCMS_3,ug,624,8260
Last Update : Thu Feb 03 11:31:28 2011



Spectrum Information: Average of 4.408 to 4.437 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	2470	PASS
75	95	30	60	44.4	5393	PASS
95	95	100	100	100.0	12141	PASS
96	95	5	9	5.8	708	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	10227	PASS
175	174	5	9	6.1	621	PASS
176	174	95	101	97.0	9919	PASS
177	176	5	9	5.4	537	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65415.D
Analysis Date: 02/11/11 09:41
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

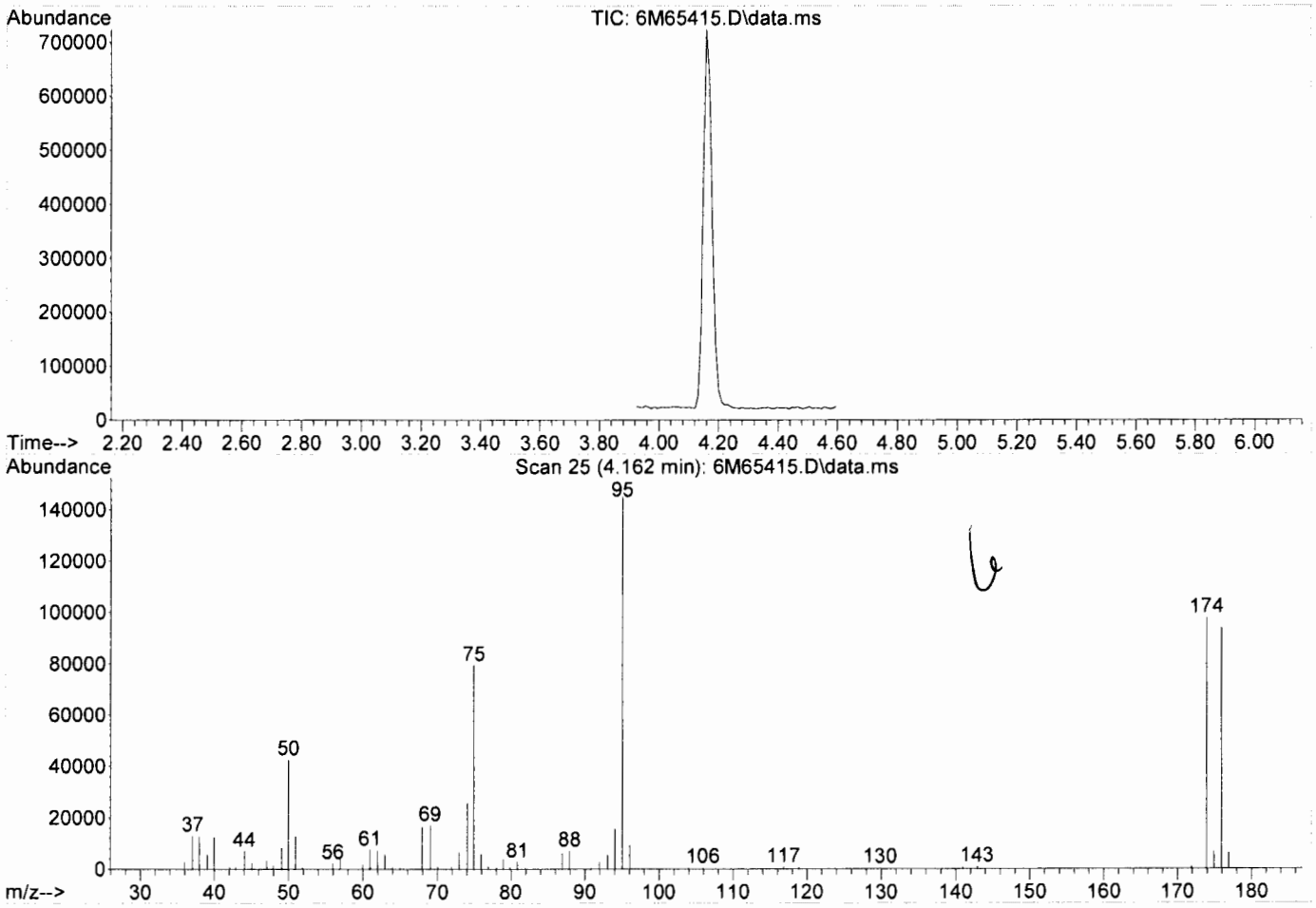
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.4	42672	PASS
75	95	30	60	54.8	79528	PASS
95	95	100	100	100.0	145024	PASS
96	95	5	9	6.3	9204	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.4	97776	PASS
175	174	5	9	6.8	6640	PASS
176	174	95	101	96.0	93912	PASS
177	176	5	9	6.7	6292	PASS

Data File	Sample Number	Analysis Date:
6M65416.D	20 PPB	02/11/11 09:57
6M65417.D	CAL @ 20 PPB	02/11/11 10:15
6M65418.D	BLKHCL	02/11/11 10:38
6M65419.D	DAILY BLANK	02/11/11 10:55
6M65420.D	DAILY BLANK	02/11/11 11:11
6M65421.D	MBS6005	02/11/11 11:28
6M65422.D	MBS6006	02/11/11 11:44
6M65423.D	BLKJUG2	02/11/11 12:02
6M65424.D	AC57228-004	02/11/11 12:18
6M65425.D	AC57228-005	02/11/11 12:35
6M65426.D	AC57229-001	02/11/11 12:51
6M65427.D	AC57229-002	02/11/11 13:07
6M65428.D	AC57232-003	02/11/11 13:24
6M65429.D	AC57232-007	02/11/11 13:40
6M65430.D	AC57232-008	02/11/11 13:57
6M65431.D	AC57232-009	02/11/11 14:13
6M65432.D	AC57199-001	02/11/11 14:29
6M65433.D	BLK	02/11/11 14:46
6M65434.D	AC57205-019	02/11/11 15:02
6M65435.D	AC57205-020	02/11/11 15:19
6M65436.D	AC57205-021	02/11/11 15:35
6M65437.D	AC57205-022	02/11/11 15:51
6M65438.D	AC57224-003	02/11/11 16:14
6M65439.D	AC57224-004	02/11/11 16:30
6M65440.D	AC57205-023	02/11/11 16:47
6M65441.D	AC57205-024	02/11/11 17:03
6M65442.D	AC57205-025	02/11/11 17:19
6M65443.D	AC57205-026	02/11/11 17:36
6M65444.D	AC57205-016	02/11/11 17:52
6M65445.D	AC57205-015	02/11/11 18:11
6M65446.D	AC57097-001(T)	02/11/11 18:27
6M65447.D	AC57099-001(T)	02/11/11 18:44
6M65448.D	EF-3-1014(2/11/11)	02/11/11 19:00
6M65449.D	AC57199-002	02/11/11 19:16
6M65450.D	AC57216-001	02/11/11 19:33
6M65451.D	AC57229-001(80uL	02/11/11 19:49
6M65452.D	AC57232-001	02/11/11 20:05
6M65453.D	AC57232-002(400u	02/11/11 20:22
6M65454.D	EF-1-V-107674(021	02/11/11 20:38
6M65455.D	57224-007(80uL)	02/11/11 20:54
6M65456.D	57224-008	02/11/11 21:11
6M65457.D	BLK	02/11/11 21:27
6M65458.D	BLK	02/11/11 21:43

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Data File : 6M65415.D
Acq On : 11 Feb 2011 9:41
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_6\MethodQt\6M_A0202.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 02 12:31:37 2011



Spectrum Information: Scan 25

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.4	42672	PASS
75	95	30	60	54.8	79528	PASS
95	95	100	100	100.0	145024	PASS
96	95	5	9	6.3	9204	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.4	97776	PASS
175	174	5	9	6.8	6640	PASS
176	174	95	101	96.0	93912	PASS
177	176	5	9	6.7	6292	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M65519.D
Analysis Date: 02/15/11 12:42
Method: EPA 8260B

Tune Scan/Time Range: Scan 25

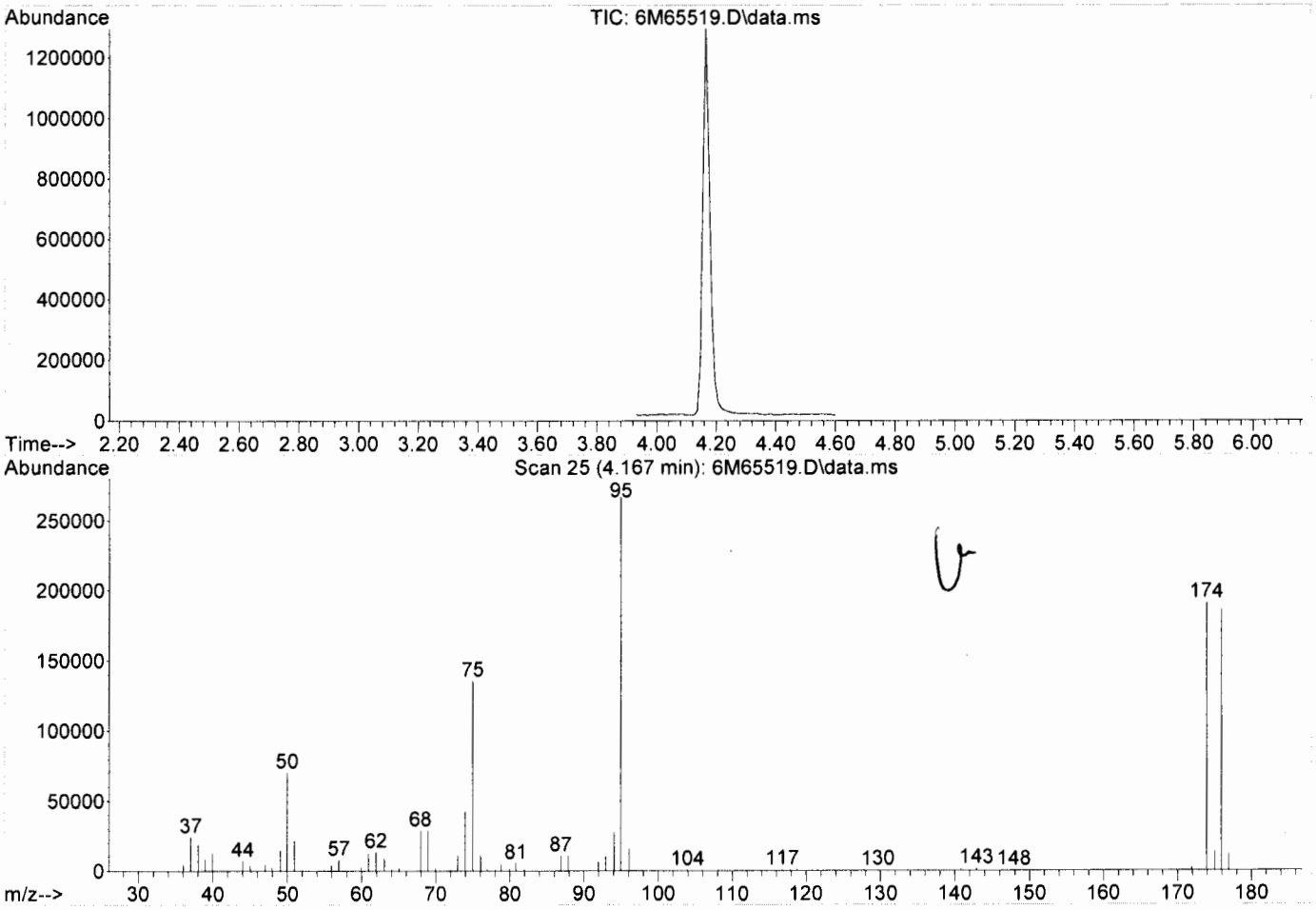
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.3	70216	PASS
75	95	30	60	50.9	135680	PASS
95	95	100	100	100.0	266688	PASS
96	95	5	9	6.0	16059	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.6	191040	PASS
175	174	5	9	7.2	13785	PASS
176	174	95	101	97.5	186176	PASS
177	176	5	9	6.3	11805	PASS

Data File	Sample Number	Analysis Date:
6M65520.D	BLK	02/15/11 12:58
6M65521.D	20 PPB	02/15/11 13:16
6M65522.D	CAL @ 20 PPB	02/15/11 13:38
6M65523.D	BLK	02/15/11 13:55
6M65524.D	DAILY BLANK	02/15/11 14:19
6M65525.D	DAILY BLANK	02/15/11 14:36
6M65526.D	MBS6023	02/15/11 14:56
6M65527.D	MBS6024	02/15/11 15:18
6M65528.D	MBS6025	02/15/11 15:34
6M65529.D	AC57241-001(MS)	02/15/11 15:50
6M65530.D	AC57241-001(MSD	02/15/11 16:07
6M65531.D	MBS6026	02/15/11 16:23
6M65532.D	AC57213-001	02/15/11 16:40
6M65533.D	AC57270-001	02/15/11 16:56
6M65534.D	AC57274-001	02/15/11 17:12
6M65535.D	AC57273-001	02/15/11 17:29
6M65536.D	AC57213-001(MS)	02/15/11 17:45
6M65537.D	AC57213-001(MSD	02/15/11 18:02
6M65538.D	BLK	02/15/11 18:18
6M65539.D	AC57213-003	02/15/11 18:34
6M65540.D	AC57213-002	02/15/11 18:51
6M65541.D	AC57099-004(T)	02/15/11 19:07
6M65542.D	AC57097-004(T)	02/15/11 19:23
6M65543.D	AC57099-005(T)	02/15/11 19:40
6M65544.D	EF-3-1014(2/15/11)	02/15/11 19:56
6M65545.D	EF-3-VO-SPLPMO	02/15/11 20:13
6M65546.D	AC57097-005(T)	02/15/11 20:29
6M65547.D	BLK	02/15/11 20:45
6M65548.D	BLK	02/15/11 21:02
6M65549.D	524INTTEST	02/15/11 21:18

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Data File : 6M65519.D
Acq On : 15 Feb 2011 12:42
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_6\MethodQt\6M_A0202.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 02 12:31:37 2011



Spectrum Information: Scan 25

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.3	70216	PASS
75	95	30	60	50.9	135680	PASS
95	95	100	100	100.0	266688	PASS
96	95	5	9	6.0	16059	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.6	191040	PASS
175	174	5	9	7.2	13785	PASS
176	174	95	101	97.5	186176	PASS
177	176	5	9	6.3	11805	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6

Data File: 6M65639.D
Analysis Date: 02/18/11 16:32
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.116 to 4.116 min

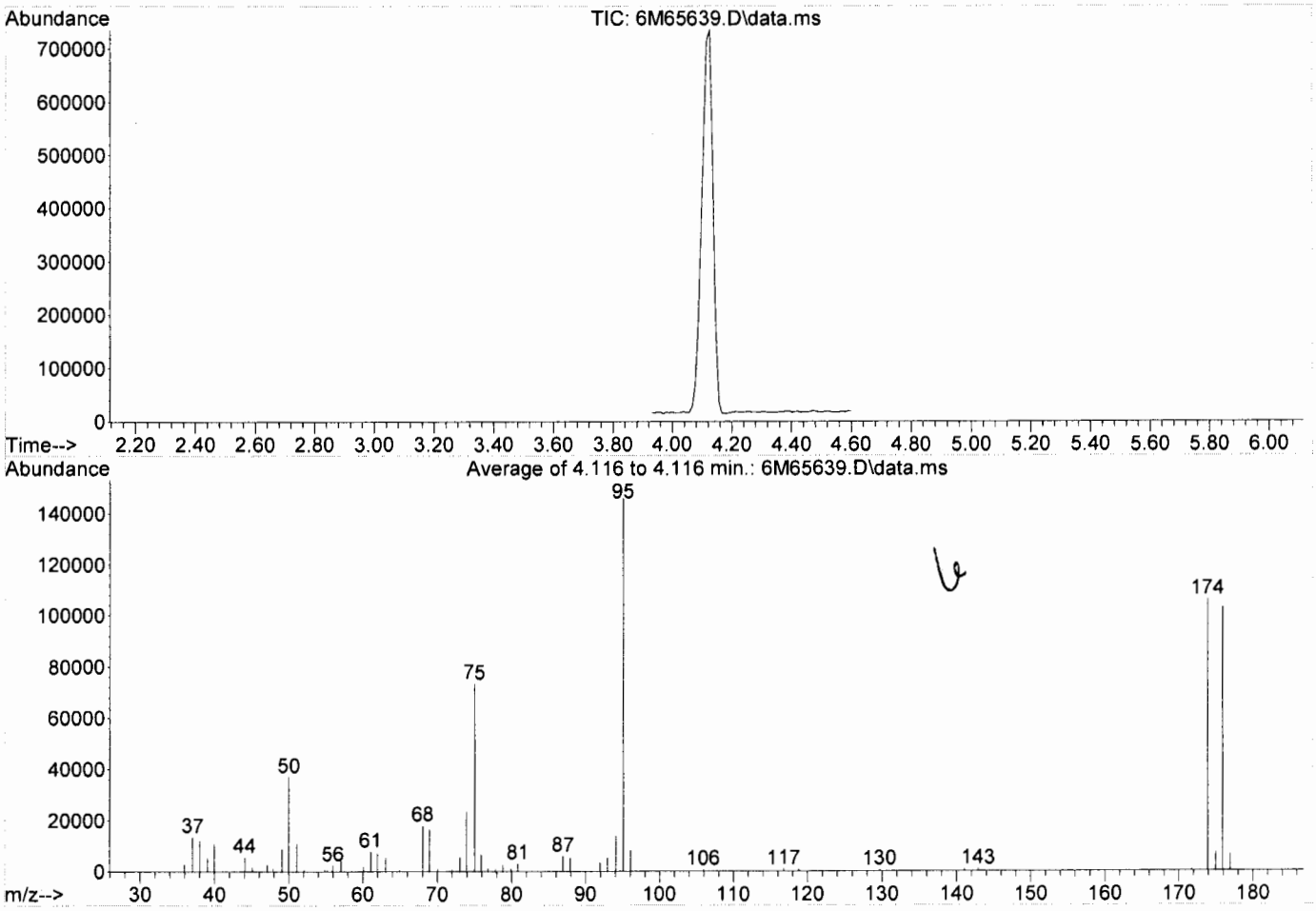
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.4	37056	PASS
75	95	30	60	50.3	73352	PASS
95	95	100	100	100.0	145856	PASS
96	95	5	9	5.7	8325	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.8	106200	PASS
175	174	5	9	6.7	7152	PASS
176	174	95	101	97.1	103096	PASS
177	176	5	9	6.3	6501	PASS

Data File	Sample Number	Analysis Date:
6M65640.D	CAL @ 20 PPB	02/18/11 16:42
6M65641.D	DAILY BLANK	02/18/11 17:00
6M65642.D	DAILY BLANK	02/18/11 17:16
6M65643.D	MBS6063	02/18/11 17:33
6M65644.D	MBS6064	02/18/11 17:49
6M65645.D	AC57263-001(T)	02/18/11 18:05
6M65646.D	AC57198-002(T)	02/18/11 18:22
6M65647.D	AC57263-001(T)	02/18/11 18:40
6M65648.D	AC57198-002(T)	02/18/11 18:57
6M65649.D	AC57097-005(T:M	02/18/11 19:13
6M65650.D	AC57097-005(T:M	02/18/11 19:30
6M65651.D	EF-1-V-108537(021	02/18/11 19:46
6M65652.D	EF-3-V-1014(02171	02/18/11 20:02
6M65653.D	AC57294-001(40uL	02/18/11 20:19
6M65654.D	EF-3-V-1014(02161	02/18/11 20:35
6M65655.D	AC57298-005(80uL	02/18/11 20:52
6M65656.D	EF-3-V-1014(02181	02/18/11 21:08
6M65657.D	AC57099-006(T)	02/18/11 21:24
6M65658.D	AC57099-007(T)	02/18/11 21:41
6M65659.D	AC57099-008(T)	02/18/11 21:57
6M65660.D	BLK	02/18/11 22:14
6M65661.D	AC57312-002	02/18/11 22:30
6M65662.D	AC57312-003	02/18/11 22:46
6M65663.D	AC57312-004	02/18/11 23:03
6M65664.D	AC57312-005	02/18/11 23:19
6M65665.D	AC57312-006	02/18/11 23:35
6M65666.D	AC57312-007	02/18/11 23:52
6M65667.D	BLK	02/19/11 07:36
6M65668.D	AC57300-001	02/19/11 07:53
6M65669.D	AC57300-002	02/19/11 08:12
6M65670.D	AC57300-003	02/19/11 08:29
6M65671.D	AC57300-005	02/19/11 08:45
6M65672.D	AC57300-008	02/19/11 09:01
6M65673.D	BLK	02/19/11 09:18
6M65674.D	AC57332-001	02/19/11 09:34
6M65675.D	MBS6067	02/19/11 09:50
6M65676.D	BLK	02/19/11 10:07
6M65677.D	BLK	02/19/11 10:23
6M65678.D	BLK	02/19/11 10:39
6M65679.D	BLK	02/19/11 10:56

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Data File : 6M65639.D
Acq On : 18 Feb 2011 16:32
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_6\MethodQt\6M_A0202.M
Title : @GCMS_6,ug,624,8260
Last Update : Wed Feb 02 12:31:37 2011



Spectrum Information: Average of 4.116 to 4.116 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	37056	PASS
75	95	30	60	50.3	73352	PASS
95	95	100	100	100.0	145856	PASS
96	95	5	9	5.7	8325	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.8	106200	PASS
175	174	5	9	6.7	7152	PASS
176	174	95	101	97.1	103096	PASS
177	176	5	9	6.3	6501	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88068.D
Analysis Date: 02/22/11 09:55
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.428 to 4.428 min

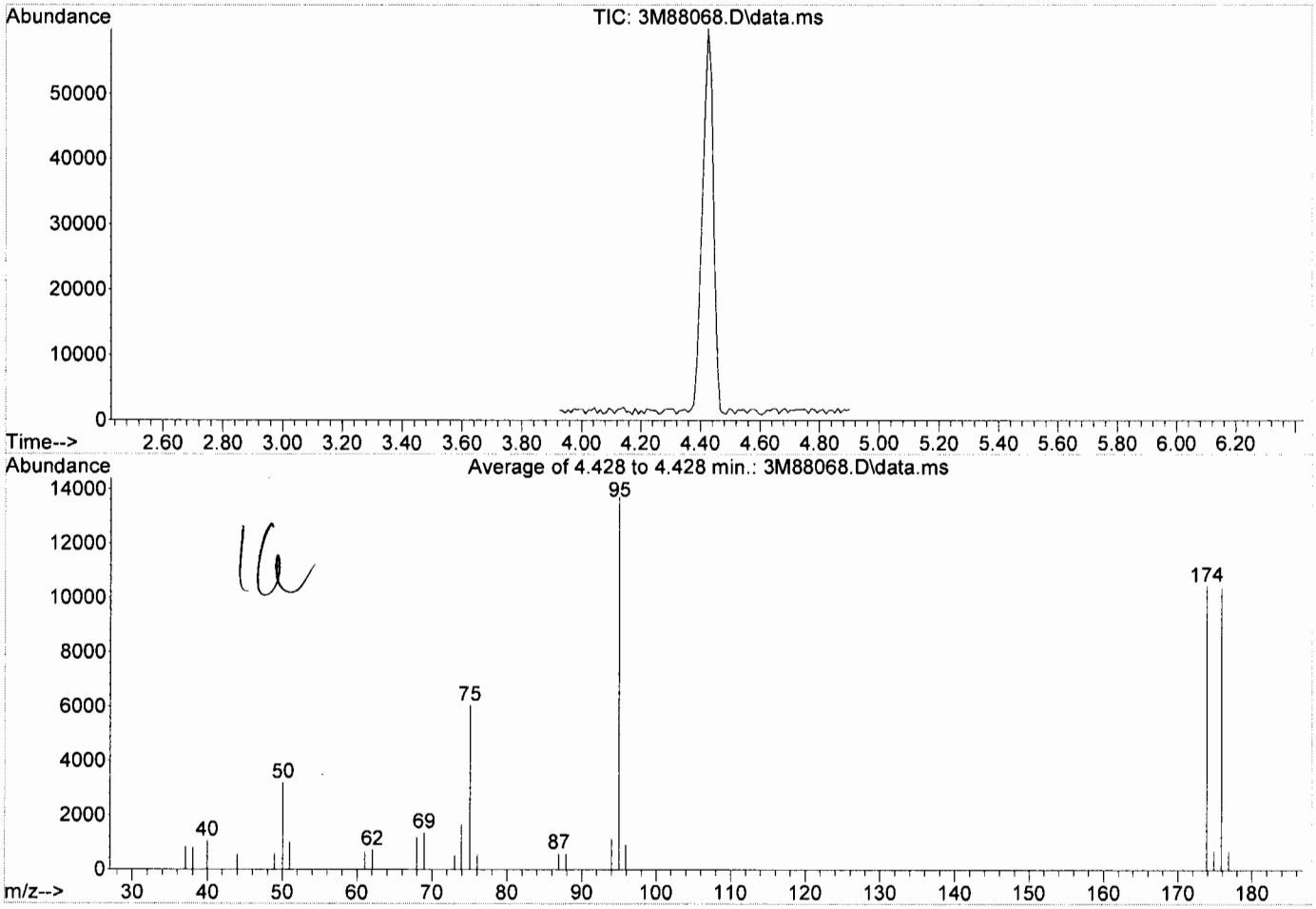
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.3	3190	PASS
75	95	30	60	44.2	6054	PASS
95	95	100	100	100.0	13711	PASS
96	95	5	9	6.8	926	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	10441	PASS
175	174	5	9	6.8	709	PASS
176	174	95	101	99.1	10349	PASS
177	176	5	9	6.7	693	PASS

Data File	Sample Number	Analysis Date:
3M88069.D	20 PPB	02/22/11 10:05
3M88070.D	CAL @ 20 PPB	02/22/11 10:25
3M88071.D	BLKJUG2	02/22/11 11:27
3M88072.D	STDTEST	02/22/11 11:05
3M88073.D	DAILY BLANK	02/22/11 12:01
3M88074.D	MBS6079	02/22/11 12:17
3M88075.D	MBS6080	02/22/11 12:34
3M88076.D	AC57097-009(T)	02/22/11 12:50
3M88077.D	AC57097-010(T)	02/22/11 13:07
3M88078.D	AC57097-011(T)	02/22/11 13:23
3M88079.D	AC57099-009(T)	02/22/11 13:40
3M88080.D	AC57099-010(T)	02/22/11 13:57
3M88081.D	AC57099-011(T)	02/22/11 14:13
3M88082.D	EF-3-V-1014#9(02	02/22/11 14:30
3M88083.D	DAILY BLANK	02/22/11 14:46
3M88084.D	MBS6081	02/22/11 15:03
3M88085.D	EF-3-V-1014#10(0	02/22/11 15:20
3M88086.D	AC57375-001	02/22/11 15:36
3M88087.D	AC57375-002	02/22/11 15:53
3M88088.D	AC57375-003	02/22/11 16:09
3M88089.D	AC57375-006	02/22/11 16:26
3M88090.D	AC57375-008	02/22/11 16:42
3M88091.D	AC57375-010	02/22/11 16:59
3M88092.D	AC57375-011	02/22/11 17:15
3M88093.D	EF-3-V-1014#11(0	02/22/11 17:32
3M88094.D	AC57372-001(80uL	02/22/11 17:51
3M88095.D	AC57375-012(80uL	02/22/11 18:14
3M88096.D	AC57375-005(80uL	02/22/11 18:36
3M88097.D	AC57375-007(80uL	02/22/11 18:58
3M88098.D	AC57375-009(80uL	02/22/11 19:19
3M88099.D	AC57375-004(80uL	02/22/11 19:41
3M88100.D	AC57375-013(80uL	02/22/11 20:02
3M88101.D	BLK	02/22/11 20:22
3M88102.D	AC57097-010(T:M	02/22/11 20:38
3M88103.D	AC57097-010(T:M	02/22/11 20:55
3M88104.D	BLK	02/22/11 21:11
3M88105.D	BLK	02/22/11 21:28
3M88106.D	BLK	02/22/11 21:44
3M88107.D	BLK	02/22/11 22:01
3M88108.D	BLK	02/22/11 22:17
3M88109.D	BLK	02/22/11 22:33
3M88110.D	BLK	02/22/11 22:50
3M88111.D	BLK	02/22/11 23:07

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Data File : 3M88068.D
Acq On : 22 Feb 2011 9:55
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0209.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Feb 09 14:35:54 2011



Spectrum Information: Average of 4.428 to 4.428 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	3190	PASS
75	95	30	60	44.2	6054	PASS
95	95	100	100	100.0	13711	PASS
96	95	5	9	6.8	926	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	10441	PASS
175	174	5	9	6.8	709	PASS
176	174	95	101	99.1	10349	PASS
177	176	5	9	6.7	693	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63418.D
Analysis Date: 02/25/11 06:00
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.090 to 4.109 min

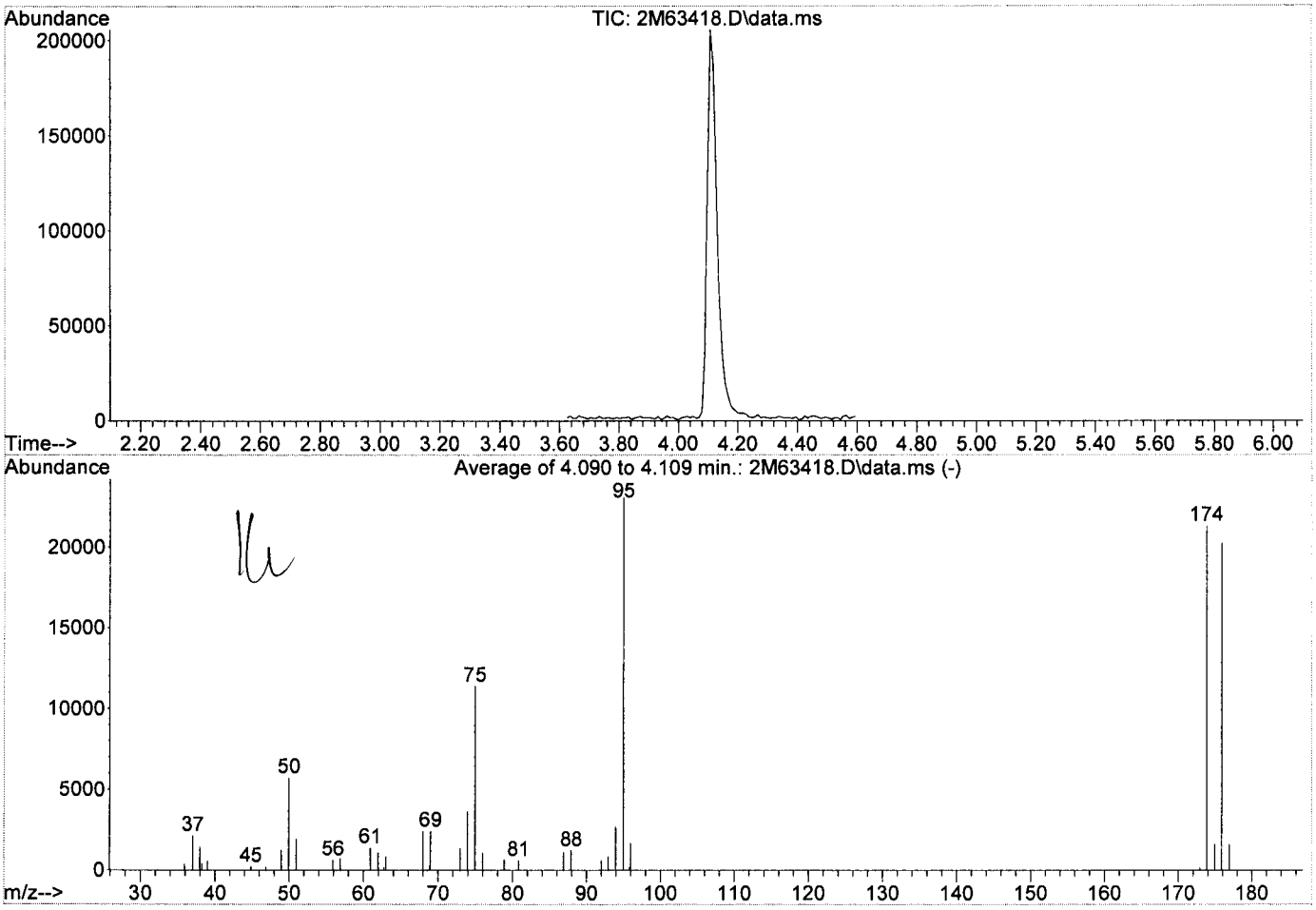
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.8	5717	PASS
75	95	30	60	49.4	11405	PASS
95	95	100	100	100.0	23071	PASS
96	95	5	9	7.3	1684	PASS
173	174	0.00	2	0.8	175	PASS
174	95	50	100	92.4	21314	PASS
175	174	5	9	7.7	1634	PASS
176	174	95	101	95.1	20265	PASS
177	176	5	9	8.0	1612	PASS

Data File	Sample Number	Analysis Date:
2M63419.D	BLK	02/25/11 06:16
2M63421.D	CAL @ 1 PPB	02/25/11 07:55
2M63422.D	CAL @ 0.5 PPB	02/25/11 08:13
2M63423.D	CAL @ 5 PPB	02/25/11 08:31
2M63424.D	CAL @ 500 PPB	02/25/11 08:47
2M63425.D	CAL @ 250 PPB	02/25/11 09:02
2M63426.D	CAL @ 100 PPB	02/25/11 09:18
2M63427.D	CAL @ 50 PPB	02/25/11 09:34
2M63428.D	CAL @ 20 PPB	02/25/11 09:50
2M63429.D	CAL @ 10 PPB	02/25/11 10:06
2M63430.D	ICV	02/25/11 10:22
2M63431.D	BLK	02/25/11 11:00
2M63432.D	DAILY BLANK	02/25/11 11:16
2M63433.D	DAILY BLANK	02/25/11 11:32
2M63434.D	MBS6137	02/25/11 11:48
2M63435.D	BLK	02/25/11 12:03
2M63436.D	MBS6218	02/25/11 12:19
2M63437.D	MBS6219	02/25/11 12:35
2M63438.D	MBS6220	02/25/11 12:51
2M63439.D	MBS6221	02/25/11 13:07
2M63440.D	MBS6222	02/25/11 13:22
2M63441.D	MBS6223	02/25/11 13:38
2M63442.D	MBS6224	02/25/11 13:54
2M63443.D	MBS6225	02/25/11 14:10
2M63444.D	BLK	02/25/11 14:26
2M63445.D	AC57458-001	02/25/11 14:42
2M63446.D	AC57458-002	02/25/11 14:57
2M63447.D	AC57458-003	02/25/11 15:13
2M63448.D	AC57458-004	02/25/11 15:29
2M63449.D	AC57458-005	02/25/11 15:45
2M63450.D	BLK	02/25/11 16:19
2M63451.D	AC57476-001	02/25/11 16:43
2M63452.D	AC57476-002	02/25/11 16:59
2M63453.D	AC57476-003	02/25/11 17:15
2M63454.D	AC57476-004	02/25/11 17:31
2M63455.D	AC57476-005	02/25/11 17:46
2M63456.D	AC57476-006	02/25/11 18:02
2M63457.D	AC57476-007	02/25/11 18:18
2M63458.D	AC57476-008	02/25/11 18:34
2M63459.D	BLK	02/25/11 18:49

Data Path : G:\GcMsData\2011\GCMS_2\Data\02-25-11\
Data File : 2M63418.D
Acq On : 25 Feb 2011 6:00
Operator : DB
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0216.M
Title : @GCMS_2,ug,624,8260
Last Update : Wed Feb 16 14:08:19 2011



Spectrum Information: Average of 4.090 to 4.109 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	5717	PASS
75	95	30	60	49.4	11405	PASS
95	95	100	100	100.0	23071	PASS
96	95	5	9	7.3	1684	PASS
173	174	0.00	2	0.8	175	PASS
174	95	50	100	92.4	21314	PASS
175	174	5	9	7.7	1634	PASS
176	174	95	101	95.1	20265	PASS
177	176	5	9	8.0	1612	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

Data File	Sample Number	Analysis Date:
3M88288.D	CAL @ 20 PPB	02/25/11 07:57
3M88289.D	BLKHCL	02/25/11 08:18
3M88290.D	DAILY BLANK	02/25/11 08:34
3M88291.D	DAILY BLANK	02/25/11 08:51
3M88292.D	MBS6131	02/25/11 09:08
3M88293.D	MBS6133	02/25/11 09:25
3M88294.D	MBS6135	02/25/11 09:41
3M88295.D	AC57379-006	02/25/11 09:58
3M88296.D	AC57431-001	02/25/11 10:14
3M88297.D	AC57426-001	02/25/11 10:31
3M88298.D	AC57426-002	02/25/11 10:47
3M88299.D	AC57426-003	02/25/11 11:04
3M88300.D	AC57431-001	02/25/11 11:21
3M88301.D	AC57426-004	02/25/11 11:37
3M88302.D	AC57426-005	02/25/11 11:54
3M88303.D	AC57426-006	02/25/11 12:11
3M88304.D	AC57426-007	02/25/11 12:27
3M88305.D	AC57426-008	02/25/11 12:44
3M88306.D	AC57441-001	02/25/11 13:01
3M88307.D	AC57441-002	02/25/11 13:18
3M88308.D	AC57441-003	02/25/11 13:34
3M88309.D	AC57441-004	02/25/11 13:51
3M88310.D	AC57441-005	02/25/11 14:08
3M88311.D	AC57441-007	02/25/11 14:25
3M88312.D	AC57441-008	02/25/11 14:42
3M88313.D	AC57441-010	02/25/11 14:58
3M88314.D	AC57441-006(80uL	02/25/11 15:17
3M88315.D	AC57441-009(80uL	02/25/11 15:40
3M88316.D	AC57379-006(MS)	02/25/11 15:59
3M88317.D	AC57379-006(MSD	02/25/11 16:16
3M88318.D	BLK	02/25/11 16:33
3M88319.D	AC57099-015(T)	02/25/11 16:49
3M88320.D	AC57097-015(T)	02/25/11 17:06
3M88321.D	AC57097-014(T)	02/25/11 17:23
3M88322.D	AC57099-014(T)	02/25/11 17:39
3M88323.D	EF-3-V-1014#14(0	02/25/11 17:56
3M88324.D	EF-3-V-1014#15(0	02/25/11 18:12
3M88325.D	AC57364-004	02/25/11 18:29
3M88326.D	AC57364-003	02/25/11 18:49
3M88327.D	AC57364-002	02/25/11 19:06
3M88328.D	AC57364-001	02/25/11 19:22
3M88329.D	AC57280-006(MS)	02/25/11 19:39
3M88330.D	AC57280-006(MSD	02/25/11 19:56
3M88331.D	BLK	02/25/11 20:13
3M88332.D	BLK	02/25/11 20:30
3M88333.D	BLK	02/25/11 20:46
3M88334.D	MBS6232	02/25/11 21:03
3M88335.D	BLK	02/25/11 21:20
3M88336.D	AC57414-006	02/25/11 21:37
3M88337.D	AC57414-007	02/25/11 21:53
3M88338.D	AC57434-002	02/25/11 22:09
3M88339.D	AC57422-021	02/25/11 22:26
3M88340.D	AC57422-005	02/25/11 22:42
3M88341.D	AC57422-007	02/25/11 22:59
3M88342.D	AC57422-009	02/25/11 23:16
3M88343.D	AC57422-011	02/25/11 23:32
3M88344.D	AC57422-017	02/25/11 23:49
3M88345.D	AC57422-019	02/26/11 00:06
3M88346.D	BLK	02/26/11 00:22
3M88347.D	AC57414-002	02/26/11 00:38
3M88348.D	AC57414-005	02/26/11 00:55
3M88349.D	AC57414-003	02/26/11 01:11
3M88350.D	AC57414-001	02/26/11 01:28
3M88351.D	AC57414-004	02/26/11 01:45
3M88352.D	MBS6233	02/26/11 02:02

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88287.D
Analysis Date: 02/25/11 07:38
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

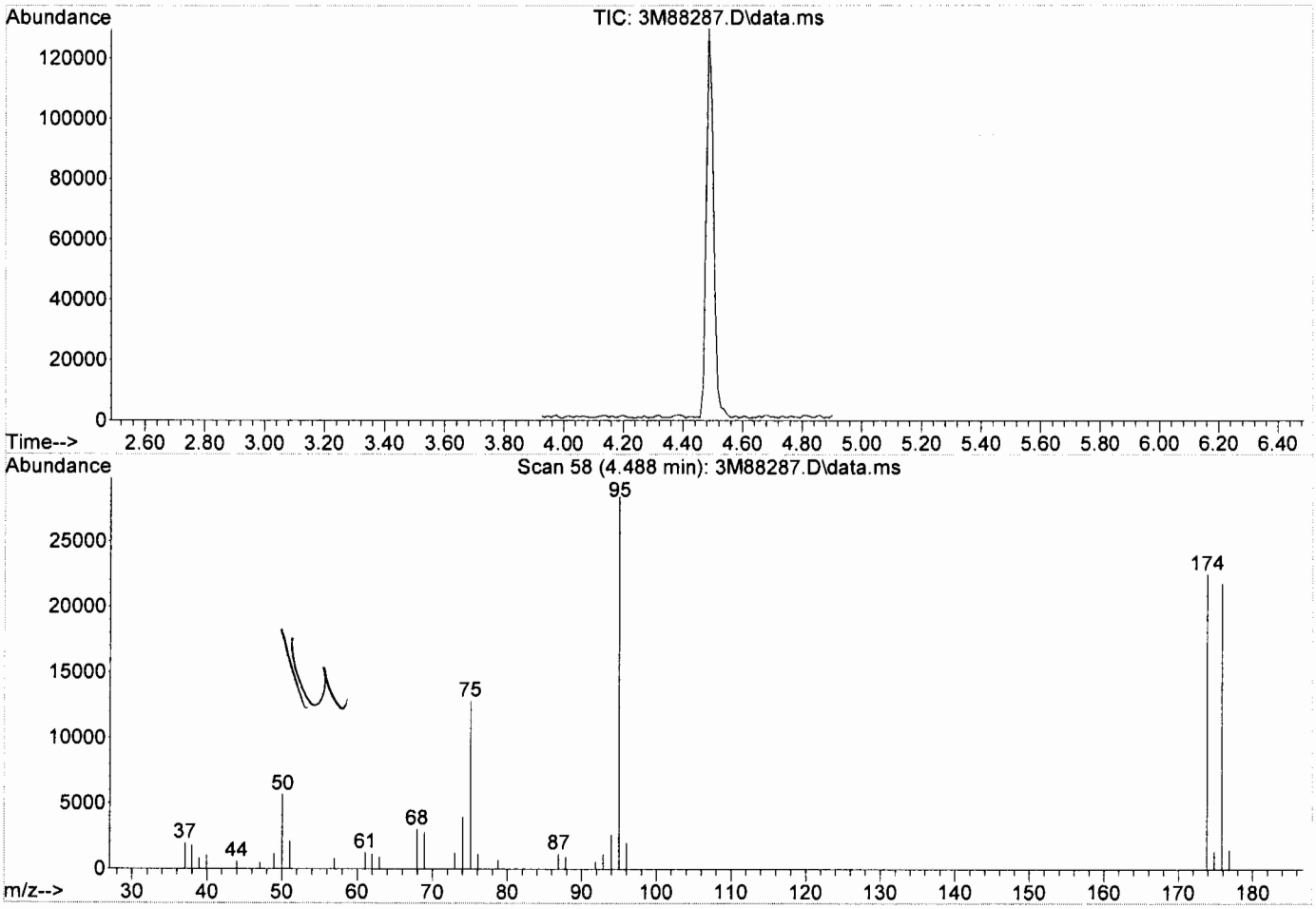
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

3M88353.D	BLK	02/26/11 02:18
3M88354.D	AC57422-015	02/26/11 02:35
3M88355.D	AC57422-013	02/26/11 02:52
3M88356.D	AC57422-003	02/26/11 03:08
3M88357.D	AC57422-001(20X)	02/26/11 03:27
3M88358.D	BLK	02/26/11 03:46
3M88359.D	AC57434-001	02/26/11 04:03
3M88360.D	AC57280-007(MS)	02/26/11 04:19
3M88361.D	AC57280-007(MSD	02/26/11 04:36
3M88362.D	BLK	02/26/11 04:52
3M88363.D	BLK	02/26/11 05:09
3M88364.D	MBS6234	02/26/11 05:25
3M88365.D	BLK	02/26/11 05:42
3M88366.D	AC57437-008	02/26/11 05:58
3M88367.D	AC57443-001	02/26/11 06:15
3M88368.D	AC57443-002	02/26/11 06:31
3M88369.D	AC57443-005	02/26/11 06:48
3M88370.D	AC57443-004	02/26/11 07:05
3M88371.D	AC57443-003	02/26/11 07:21
3M88375.D	BLK	02/27/11 10:30
3M88376.D	BLK	02/27/11 12:01
3M88377.D	BLK	02/27/11 12:29
3M88378.D	BLK	02/27/11 12:44
3M88379.D	BLK	02/27/11 13:19

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Data File : 3M88287.D
Acq On : 25 Feb 2011 7:38
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0209.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Feb 09 14:35:54 2011



Spectrum Information: Scan 58

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	5689	PASS
75	95	30	60	45.2	12833	PASS
95	95	100	100	100.0	28408	PASS
96	95	5	9	7.1	2017	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.2	22512	PASS
175	174	5	9	6.2	1392	PASS
176	174	95	101	96.7	21776	PASS
177	176	5	9	6.8	1476	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88385.D
Analysis Date: 02/27/11 14:51
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.400 to 4.439 min

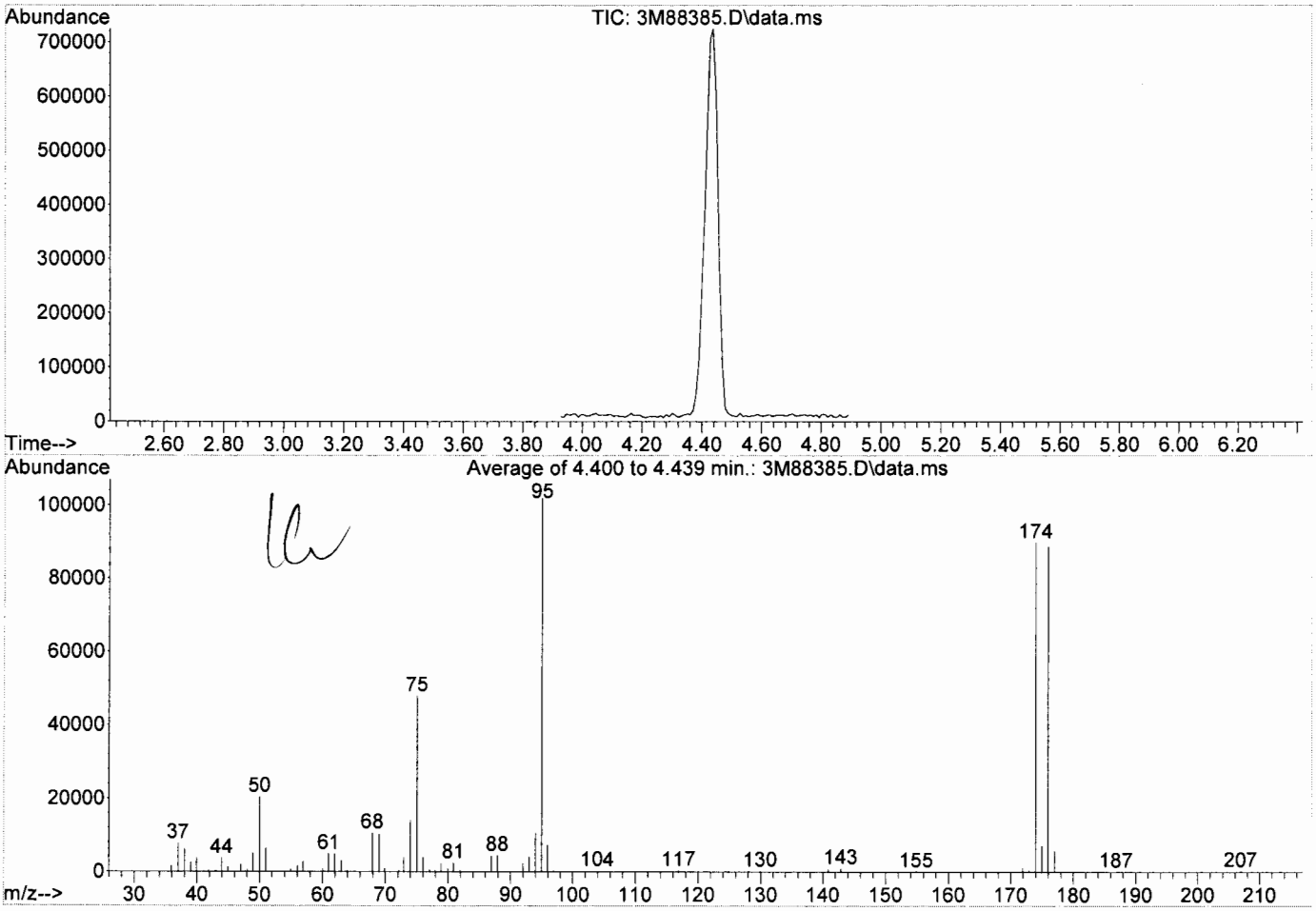
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.1	20444	PASS
75	95	30	60	47.0	47899	PASS
95	95	100	100	100.0	101874	PASS
96	95	5	9	7.2	7339	PASS
173	174	0.00	2	0.6	557	PASS
174	95	50	100	88.1	89771	PASS
175	174	5	9	8.0	7205	PASS
176	174	95	101	98.8	88670	PASS
177	176	5	9	6.6	5852	PASS

Data File	Sample Number	Analysis Date:
3M88387.D	CAL @ 1 PPB	02/27/11 15:21
3M88388.D	CAL @ 0.5 PPB	02/27/11 15:41
3M88389.D	CAL @ 5 PPB	02/27/11 16:00
3M88390.D	CAL @ 500 PPB	02/27/11 16:17
3M88391.D	CAL @ 250 PPB	02/27/11 16:34
3M88392.D	CAL @ 100 PPB	02/27/11 16:50
3M88393.D	CAL @ 50 PPB	02/27/11 17:07
3M88394.D	CAL @ 20 PPB	02/27/11 17:23
3M88395.D	CAL @ 10 PPB	02/27/11 17:40
3M88396.D	BLK	02/27/11 17:56
3M88397.D	20 PPB	02/27/11 18:13
3M88398.D	ICV	02/27/11 18:29
3M88399.D	BLK	02/27/11 18:46
3M88400.D	DAILY BLANK	02/27/11 19:03
3M88401.D	DAILY BLANK	02/27/11 19:20
3M88402.D	MDL@ 1 PPB	02/27/11 19:36
3M88403.D	MDL@ 1 PPB	02/27/11 19:53
3M88404.D	MDL@ 1 PPB	02/27/11 20:09
3M88405.D	MDL@ 1 PPB	02/27/11 20:26
3M88406.D	MDL@ 1 PPB	02/27/11 20:42
3M88407.D	MDL@ 1 PPB	02/27/11 20:59
3M88408.D	1 PPB	02/27/11 21:16
3M88409.D	MDL@ 1 PPB	02/27/11 21:32
3M88410.D	VER@ 1 PPB	02/27/11 21:49
3M88411.D	VER@ 0.5 PPB	02/27/11 22:08
3M88412.D	DAILY BLANK	02/27/11 22:27
3M88413.D	MBS6231	02/27/11 22:43
3M88414.D	AC57477-012	02/27/11 23:00
3M88415.D	AC57477-014	02/27/11 23:16
3M88416.D	AC57477-017	02/27/11 23:33
3M88417.D	57477-011	02/27/11 23:49
3M88418.D	57477-013	02/28/11 00:05
3M88419.D	57477-015	02/28/11 00:22
3M88420.D	57477-016	02/28/11 00:39
3M88421.D	57477-018	02/28/11 00:56
3M88422.D	57477-019	02/28/11 01:12
3M88423.D	57487-020	02/28/11 01:29
3M88424.D	57487-016	02/28/11 01:45
3M88425.D	57487-012	02/28/11 02:02
3M88426.D	57487-008	02/28/11 02:19
3M88427.D	57487-004	02/28/11 02:35
3M88428.D	57487-018	02/28/11 02:51
3M88429.D	57487-014	02/28/11 03:08
3M88430.D	57487-010	02/28/11 03:24
3M88431.D	57487-006	02/28/11 03:41
3M88432.D	57487-002	02/28/11 03:57
3M88433.D	BLK	02/28/11 04:13
3M88434.D	BLK	02/28/11 04:30
3M88435.D	BLK	02/28/11 04:46
3M88436.D	BLK	02/28/11 05:01
3M88437.D	BLK	02/28/11 05:16
3M88438.D	BLK	02/28/11 05:31
3M88439.D	BLK	02/28/11 05:46
3M88440.D	BLK	02/28/11 06:01
3M88441.D	BLK	02/28/11 06:16
3M88442.D	BLK	02/28/11 06:32

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-27-11\
Data File : 3M88385.D
Acq On : 27 Feb 2011 14:51
Operator : DB
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 6 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2011\GCMS_3\METHODQT\3M_A0209.M
Title : @GCMS_3,ug,624,8260
Last Update : Wed Feb 09 14:35:54 2011



Spectrum Information: Average of 4.400 to 4.439 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	20444	PASS
75	95	30	60	47.0	47899	PASS
95	95	100	100	100.0	101874	PASS
96	95	5	9	7.2	7339	PASS
173	174	0.00	2	0.6	557	PASS
174	95	50	100	88.1	89771	PASS
175	174	5	9	8.0	7205	PASS
176	174	95	101	98.8	88670	PASS
177	176	5	9	6.6	5852	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 3M88443.D
Instrument: GCMS 3 **Analysis Date:** 02/28/11 06:45
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.433 to 4.482 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.1	13385	PASS
75	95	30	60	46.0	29262	PASS
95	95	100	100	100.0	63560	PASS
96	95	5	9	6.5	4112	PASS
173	174	0.00	2	0.5	306	PASS
174	95	50	100	96.1	61055	PASS
175	174	5	9	8.2	5018	PASS
176	174	95	101	97.5	59517	PASS
177	176	5	9	6.4	3788	PASS

Data File	Sample Number	Analysis Date:
3M88444.D	BLK	02/28/11 06:55
3M88445.D	20 PPB	02/28/11 07:21
3M88446.D	CAL @ 20 PPB	02/28/11 07:40
3M88447.D	BLK	02/28/11 07:57
3M88448.D	DAILY BLANK	02/28/11 08:14
3M88449.D	DAILY BLANK	02/28/11 08:31
3M88450.D	MBS6241	02/28/11 08:47
3M88451.D	MBS6242	02/28/11 09:04
3M88452.D	BLK	02/28/11 09:21
3M88453.D	AC57454-001	02/28/11 09:37
3M88454.D	AC57454-002	02/28/11 09:54
3M88455.D	AC57454-003	02/28/11 10:10
3M88456.D	AC57454-004	02/28/11 10:27
3M88457.D	AC57454-005	02/28/11 10:43
3M88458.D	AC57426-004(80uL	02/28/11 11:06
3M88459.D	AC57426-007(80uL	02/28/11 11:23
3M88460.D	AC57426-005(40uL	02/28/11 11:40
3M88461.D	AC57426-006	02/28/11 11:57
3M88462.D	AC57441-008(40uL	02/28/11 12:13
3M88463.D	AC57441-002(80uL	02/28/11 12:30
3M88464.D	AC57441-003(80uL	02/28/11 12:47
3M88465.D	AC57441-009(20uL	02/28/11 13:04
3M88466.D	BLKHCL	02/28/11 13:20
3M88467.D	AC57426-003	02/28/11 13:37
3M88468.D	AC57475-001	02/28/11 13:54
3M88469.D	AC57475-002	02/28/11 14:10
3M88470.D	AC57475-003	02/28/11 14:27
3M88471.D	AC57475-004	02/28/11 14:44
3M88472.D	AC57099-010(5X)	02/28/11 15:04
3M88473.D	AC57475-005(5X)	02/28/11 15:26
3M88474.D	EF-3-V-1014(0226	02/28/11 15:45
3M88475.D	EF-3-V-1014(0227	02/28/11 16:02
3M88476.D	AC57475-006	02/28/11 16:18
3M88477.D	AC57475-007	02/28/11 16:35
3M88478.D	AC57099-016(T)	02/28/11 16:51
3M88479.D	AC57099-017(T)	02/28/11 17:08
3M88480.D	AC57099-018(T)	02/28/11 17:24
3M88481.D	AC57097-016(T)	02/28/11 17:40
3M88482.D	AC57097-017(T)	02/28/11 17:57
3M88483.D	AC57097-018(T)	02/28/11 18:13
3M88484.D	EF-3-V-1014(0228	02/28/11 18:30
3M88485.D	AC57422-009(MS)	02/28/11 18:46
3M88486.D	AC57422-009(MSD	02/28/11 19:03
3M88487.D	BLK	02/28/11 19:19
3M88488.D	BLK	02/28/11 19:36
3M88489.D	MBS6259	02/28/11 19:52
3M88490.D	MBS6260	02/28/11 20:08
3M88491.D	BLK	02/28/11 20:25
3M88492.D	AC57444-009	02/28/11 20:41
3M88493.D	AC57444-011	02/28/11 20:58
3M88494.D	AC57450-005	02/28/11 21:15
3M88495.D	AC57450-006	02/28/11 21:31
3M88496.D	AC57449-018	02/28/11 21:47
3M88497.D	AC57444-001	02/28/11 22:04
3M88498.D	AC57444-007	02/28/11 22:21
3M88499.D	AC57449-020	02/28/11 22:37
3M88500.D	AC57450-001	02/28/11 22:54
3M88501.D	AC57450-002	02/28/11 23:11
3M88502.D	AC57450-003	02/28/11 23:27
3M88503.D	AC57450-004	02/28/11 23:43
3M88504.D	AC57451-001	03/01/11 00:00
3M88505.D	AC57451-002	03/01/11 00:16
3M88506.D	AC57452-001	03/01/11 00:33
3M88507.D	AC57452-002	03/01/11 00:50
3M88508.D	AC57452-003	03/01/11 01:07

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 3
Data File: 3M88443.D
Analysis Date: 02/28/11 06:45
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.433 to 4.482 min

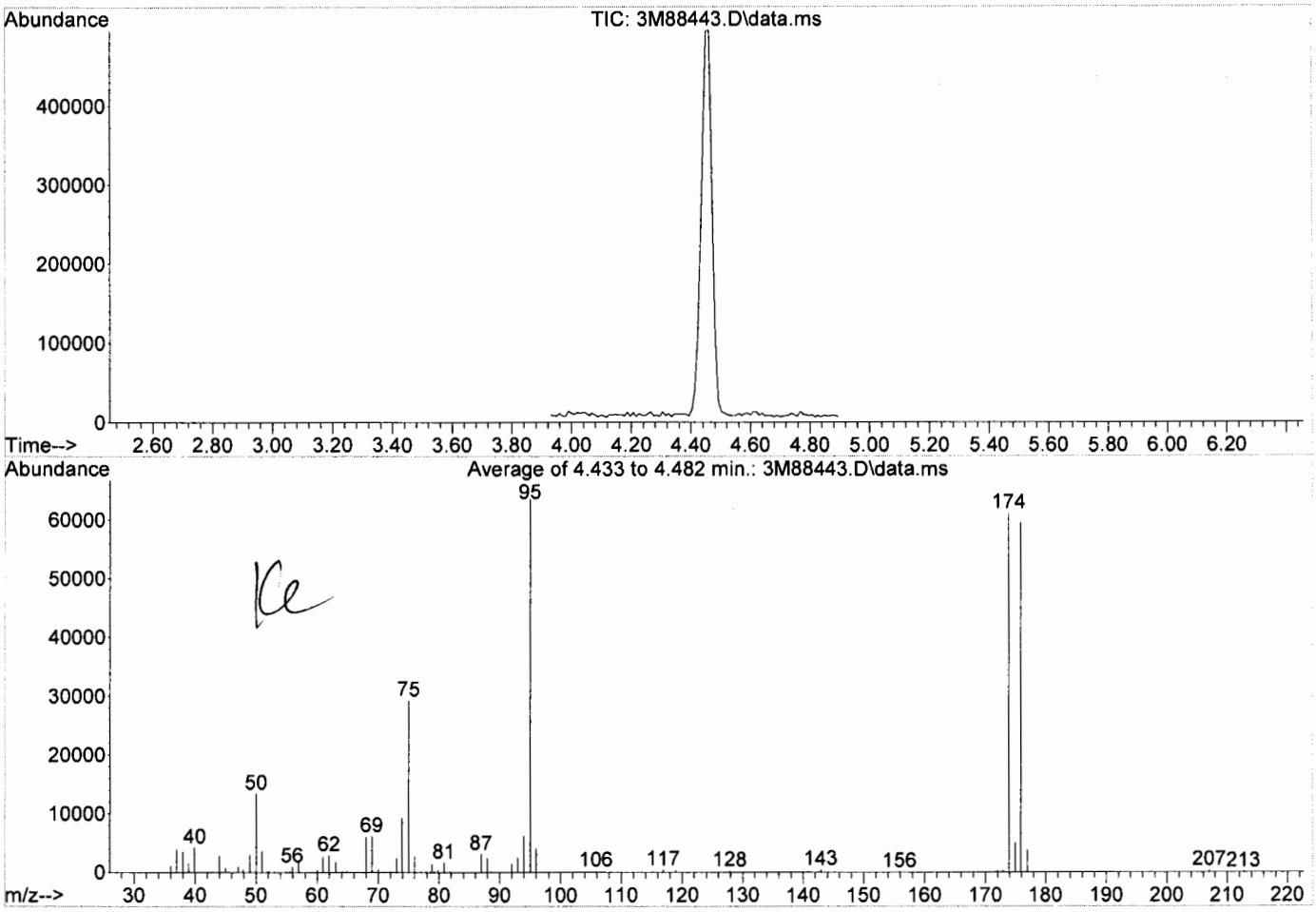
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.1	13385	PASS
75	95	30	60	46.0	29262	PASS
95	95	100	100	100.0	63560	PASS
96	95	5	9	6.5	4112	PASS
173	174	0.00	2	0.5	306	PASS
174	95	50	100	96.1	61055	PASS
175	174	5	9	8.2	5018	PASS
176	174	95	101	97.5	59517	PASS
177	176	5	9	6.4	3788	PASS

3M88509.D	AC57478-001	03/01/11 01:23
3M88510.D	AC57478-003	03/01/11 01:40
3M88511.D	AC57444-003(10X)	03/01/11 01:59
3M88512.D	MBS6261	03/01/11 02:18
3M88513.D	BLK	03/01/11 02:34
3M88514.D	BLK	03/01/11 02:51
3M88515.D	BLK	03/01/11 03:07
3M88516.D	BLK	03/01/11 03:23
3M88517.D	BLK	03/01/11 03:38
3M88518.D	BLK	03/01/11 03:53
3M88519.D	BLK	03/01/11 04:09
3M88520.D	BLK	03/01/11 04:24
3M88521.D	BLK	03/01/11 04:39
3M88522.D	BLK	03/01/11 04:55

Data Path : G:\GCMSDATA\2011\GCMS_3\DATA\02-28-11\
Data File : 3M88443.D
Acq On : 28 Feb 2011 6:45
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 62 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_3\MethodQt\3M_A0227.M
Title : @GCMS_3,ug,624,8260
Last Update : Mon Feb 28 07:29:42 2011



Spectrum Information: Average of 4.433 to 4.482 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	13385	PASS
75	95	30	60	46.0	29262	PASS
95	95	100	100	100.0	63560	PASS
96	95	5	9	6.5	4112	PASS
173	174	0.00	2	0.5	306	PASS
174	95	50	100	96.1	61055	PASS
175	174	5	9	8.2	5018	PASS
176	174	95	101	97.5	59517	PASS
177	176	5	9	6.4	3788	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M63640.D
Analysis Date: 03/02/11 13:49
Method: EPA 8260B

Tune Scan/Time Range: Average of 3.980 to 4.019 min

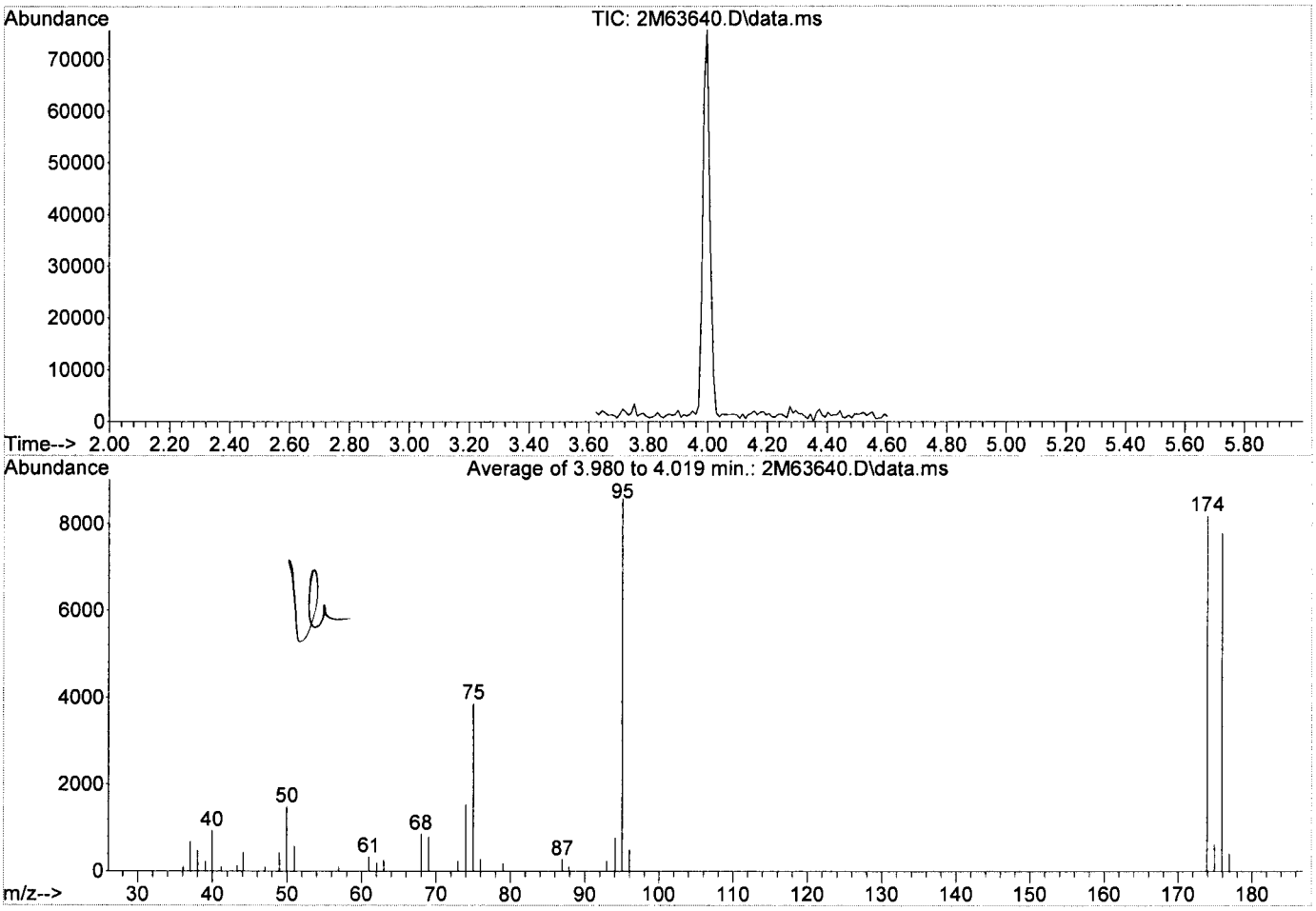
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.3	1487	PASS
75	95	30	60	44.9	3861	PASS
95	95	100	100	100.0	8596	PASS
96	95	5	9	5.9	505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.2	8187	PASS
175	174	5	9	7.6	623	PASS
176	174	95	101	95.1	7788	PASS
177	176	5	9	5.4	420	PASS

Data File	Sample Number	Analysis Date:
2M63641.D	BLKJUG3	03/02/11 14:01
2M63642.D	CAL @ 20 PPB	03/02/11 14:16
2M63643.D	BLK	03/02/11 14:38
2M63644.D	DAILY BLANK	03/02/11 14:57
2M63645.D	DAILY BLANK	03/02/11 15:12
2M63646.D	MBS6292	03/02/11 15:28
2M63647.D	MBS6293	03/02/11 15:44
2M63648.D	BLK	03/02/11 16:00
2M63649.D	AC57462-001	03/02/11 16:16
2M63650.D	AC57466-005	03/02/11 16:32
2M63651.D	AC57466-006	03/02/11 16:47
2M63652.D	AC57466-009	03/02/11 17:03
2M63653.D	AC57466-008	03/02/11 17:19
2M63654.D	AC57466-007	03/02/11 17:35
2M63655.D	AC57442-001(T)	03/02/11 17:51
2M63656.D	AC57471-001(T)	03/02/11 18:07
2M63657.D	AC57462-001(MS)	03/02/11 18:23
2M63658.D	AC57462-001(MSD	03/02/11 18:38
2M63659.D	BLK	03/02/11 18:54
2M63660.D	AC57392-009	03/02/11 19:10
2M63661.D	AC57487-035	03/02/11 19:26
2M63662.D	AC57490-005	03/02/11 19:42
2M63663.D	AC57490-006	03/02/11 19:58
2M63664.D	BLK	03/02/11 20:13
2M63665.D	AC57531-003	03/02/11 20:29
2M63666.D	AC57531-004	03/02/11 20:45
2M63667.D	AC57531-005	03/02/11 21:01
2M63668.D	AC57531-006	03/02/11 21:16
2M63669.D	AC57531-007	03/02/11 21:32
2M63670.D	AC57531-009	03/02/11 21:48
2M63671.D	AC57531-010	03/02/11 22:04
2M63672.D	AC57531-011	03/02/11 22:19
2M63673.D	AC57487-022(40uL	03/02/11 22:35
2M63674.D	AC57487-024(40uL	03/02/11 22:51
2M63675.D	AC57487-026(40uL	03/02/11 23:07
2M63676.D	AC57487-028(40uL	03/02/11 23:22
2M63677.D	AC57487-030(40uL	03/03/11 06:58
2M63678.D	AC57487-034(40uL	03/03/11 07:14
2M63679.D	AC57487-032(40uL	03/03/11 07:30
2M63680.D	AC57512-001	03/03/11 07:46

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Data File : 2M63640.D
Acq On : 2 Mar 2011 13:49
Operator : wp
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 23 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0225.M
Title : @GCMS_2,ug,624,8260
Last Update : Fri Feb 25 11:11:21 2011



Spectrum Information: Average of 3.980 to 4.019 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	1487	PASS
75	95	30	60	44.9	3861	PASS
95	95	100	100	100.0	8596	PASS
96	95	5	9	5.9	505	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.2	8187	PASS
175	174	5	9	7.6	623	PASS
176	174	95	101	95.1	7788	PASS
177	176	5	9	5.4	420	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 2M63682.D
Instrument: GCMS 2 **Analysis Date:** 03/03/11 08:08
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.040 to 4.050 min

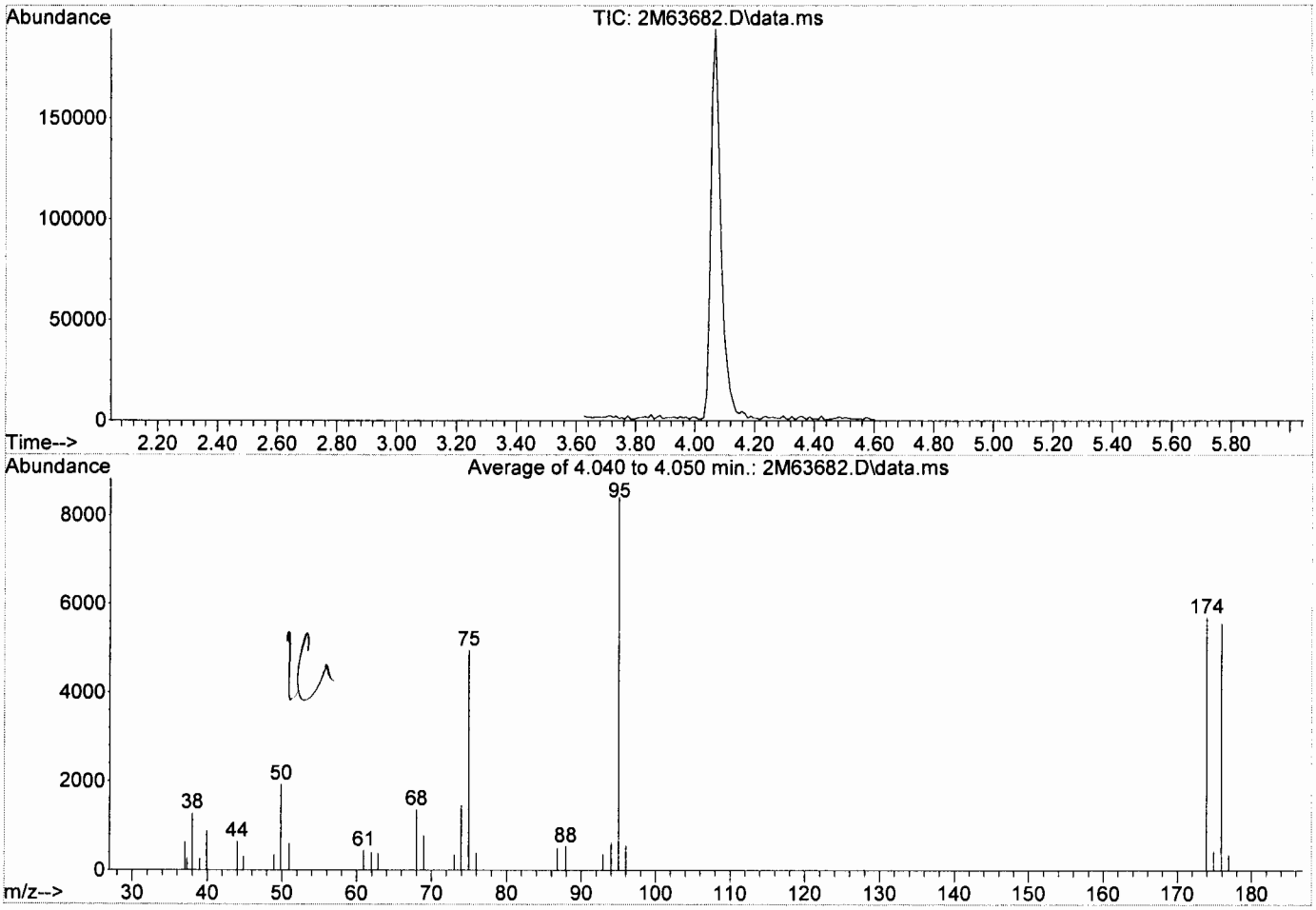
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.0	1934	PASS
75	95	30	60	59.0	4959	PASS
95	95	100	100	100.0	8411	PASS
96	95	5	9	6.5	550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	5702	PASS
175	174	5	9	7.5	429	PASS
176	174	95	101	97.7	5571	PASS
177	176	5	9	6.3	351	PASS

Data File	Sample Number	Analysis Date:
2M63683.D	BLK	03/03/11 08:18
2M63684.D	CAL @ 20 PPB	03/03/11 08:28
2M63685.D	BLKHCL	03/03/11 08:49
2M63686.D	DAILY BLANK	03/03/11 09:05
2M63687.D	DAILY BLANK	03/03/11 09:21
2M63688.D	MBS6305	03/03/11 09:37
2M63689.D	MBS6307	03/03/11 09:53
2M63690.D	BLK	03/03/11 10:09
2M63691.D	AC57531-013	03/03/11 10:24
2M63692.D	AC57531-012	03/03/11 10:40
2M63693.D	AC57531-008	03/03/11 10:56
2M63694.D	AC57410-007	03/03/11 11:12
2M63695.D	AC57410-008	03/03/11 11:28
2M63696.D	AC57416-020	03/03/11 11:44
2M63697.D	AC57416-005	03/03/11 11:59
2M63698.D	AC57416-006	03/03/11 12:15
2M63699.D	AC57490-006	03/03/11 12:31
2M63700.D	AC57466-002	03/03/11 12:47
2M63701.D	AC57466-001(10X)	03/03/11 13:05
2M63702.D	AC57439-001(10X)	03/03/11 13:25
2M63703.D	AC57516-009(80uL	03/03/11 13:46
2M63704.D	AC57516-012(80uL	03/03/11 14:05
2M63705.D	AC57516-016(80uL	03/03/11 14:27
2M63706.D	AC57471-001(T:M	03/03/11 14:44
2M63707.D	AC57471-001(T:M	03/03/11 15:00
2M63708.D	AC57099-020(T)	03/03/11 15:16
2M63709.D	AC57097-020(T)	03/03/11 15:31
2M63710.D	EF-3-V1014(03011	03/03/11 15:47
2M63711.D	AC57099-019(T)	03/03/11 16:03
2M63712.D	AC57097-019(T)	03/03/11 16:19
2M63713.D	EF-3-V-1014(0302	03/03/11 16:35
2M63714.D	AC57516-013(80uL	03/03/11 16:51
2M63715.D	AC57516-014	03/03/11 17:06
2M63716.D	AC57516-015	03/03/11 17:22
2M63717.D	AC57516-007	03/04/11 06:22
2M63718.D	AC57516-008	03/04/11 06:38
2M63719.D	AC57516-010	03/04/11 06:54
2M63720.D	AC57516-011	03/04/11 07:10
2M63721.D	BLK	03/04/11 07:28
2M63722.D	BLK	03/04/11 07:44
2M63723.D	BLK	03/04/11 07:59

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Data File : 2M63682.D
Acq On : 3 Mar 2011 8:08
Operator : wp
Sample : BFB TUNE
Misc : A,5mL
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2011\GCMS_2\MethodQt\2M_A0225.M
Title : @GCMS_2,ug,624,8260
Last Update : Fri Feb 25 11:11:21 2011



Spectrum Information: Average of 4.040 to 4.050 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	1934	PASS
75	95	30	60	59.0	4959	PASS
95	95	100	100	100.0	8411	PASS
96	95	5	9	6.5	550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	5702	PASS
175	174	5	9	7.5	429	PASS
176	174	95	101	97.7	5571	PASS
177	176	5	9	6.3	351	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M65420.D
Analysis Date: 02/11/11 11:11
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182563

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

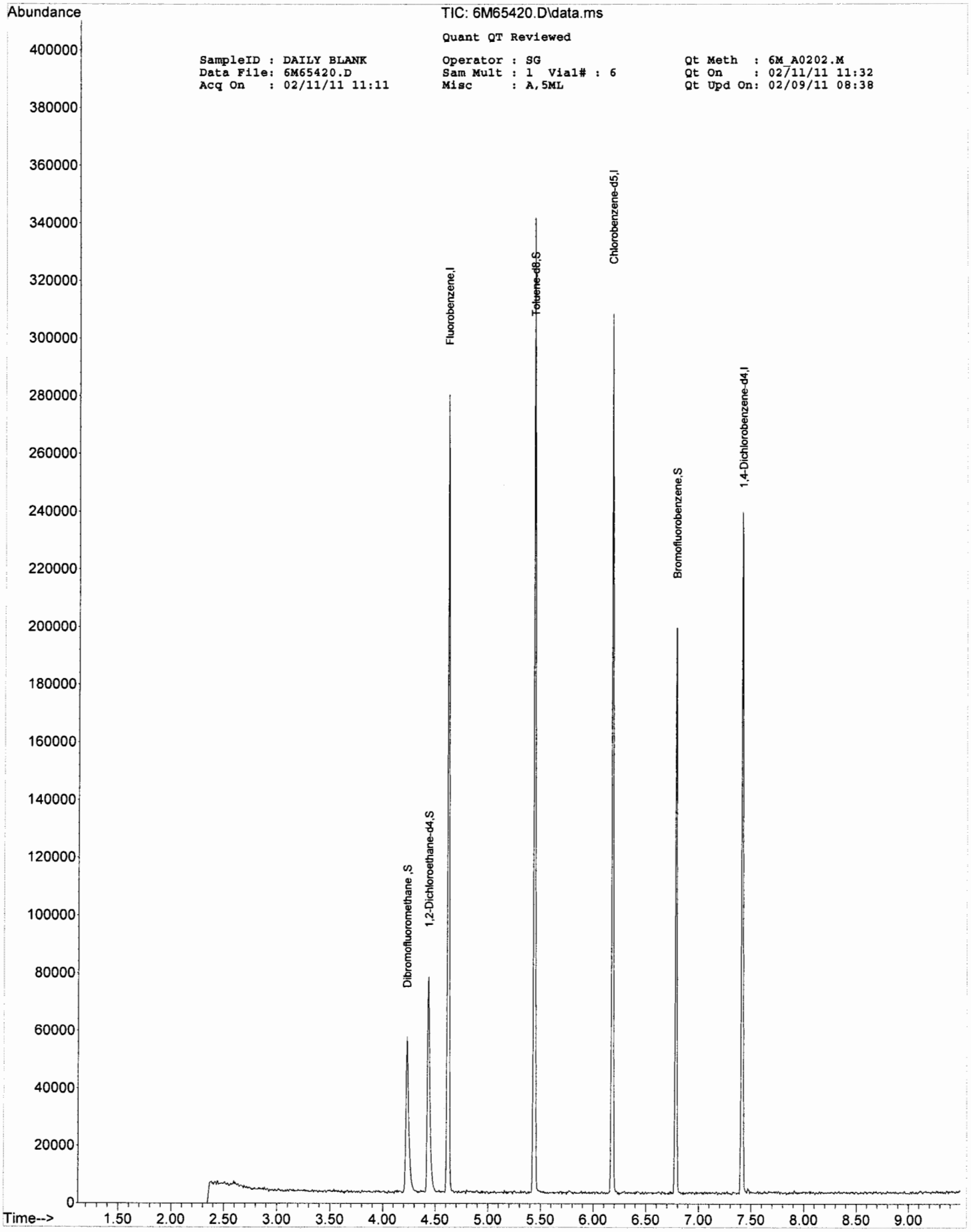
0308

SampleID : DAILY BLANK Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65420.D Sam Mult : 1 Vial# : 6 Qt On : 02/11/11 11:32
Acq On : 02/11/11 11:11 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	124312	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.178	117	87187	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.416	152	36480	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.231	111	33405	29.48	ug/l	-0.02
Spiked Amount 30.000			Recovery = 98.27%			
38) 1,2-Dichloroethane-d4	4.435	67	23723	29.69	ug/l	-0.01
Spiked Amount 30.000			Recovery = 98.97%			
65) Toluene-d8	5.439	98	118300	27.42	ug/l	-0.01
Spiked Amount 30.000			Recovery = 91.40%			
75) Bromofluorobenzene	6.785	174	29761	29.78	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.27%			
Target Compounds						Qvalue

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


Abundance
TIC: 6M65420.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M65420.D
Acq On : 02/11/11 11:11
Operator : SG
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/11/11 11:32
Qt Upd On: 02/09/11 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M65525.D
Analysis Date: 02/15/11 14:36
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182563

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 6M65525.D
Acq On : 02/15/11 14:36

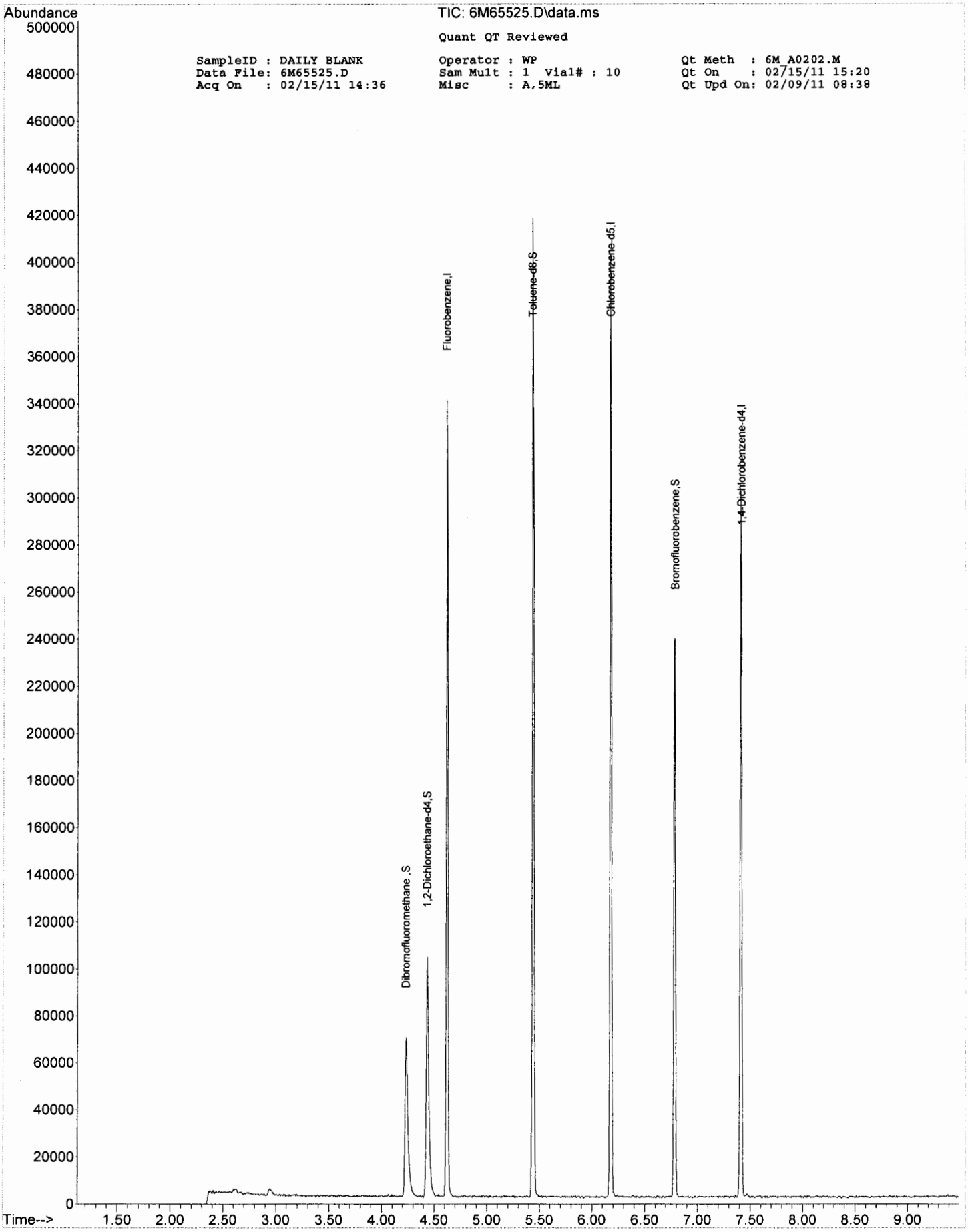
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:20
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.621	96	146779	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.178	117	109242	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.416	152	45960	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.230	111	44201	33.04	ug/l	-0.02
Spiked Amount 30.000			Recovery = 110.13%			
38) 1,2-Dichloroethane-d4	4.434	67	30152	31.96	ug/l	-0.01
Spiked Amount 30.000			Recovery = 106.53%			
65) Toluene-d8	5.438	98	140168	25.93	ug/l	-0.01
Spiked Amount 30.000			Recovery = 86.43%			
75) Bromofluorobenzene	6.785	174	38329	30.45	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.50%			
Target Compounds						Qvalue

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


Abundance
TIC: 6M65525.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M65525.D
Acq On : 02/15/11 14:36
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:20
Qt Upd On: 02/09/11 08:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M88073.D
Analysis Date: 02/22/11 12:01
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182568

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 3M88073.D
Acq On : 02/22/11 12:01

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML

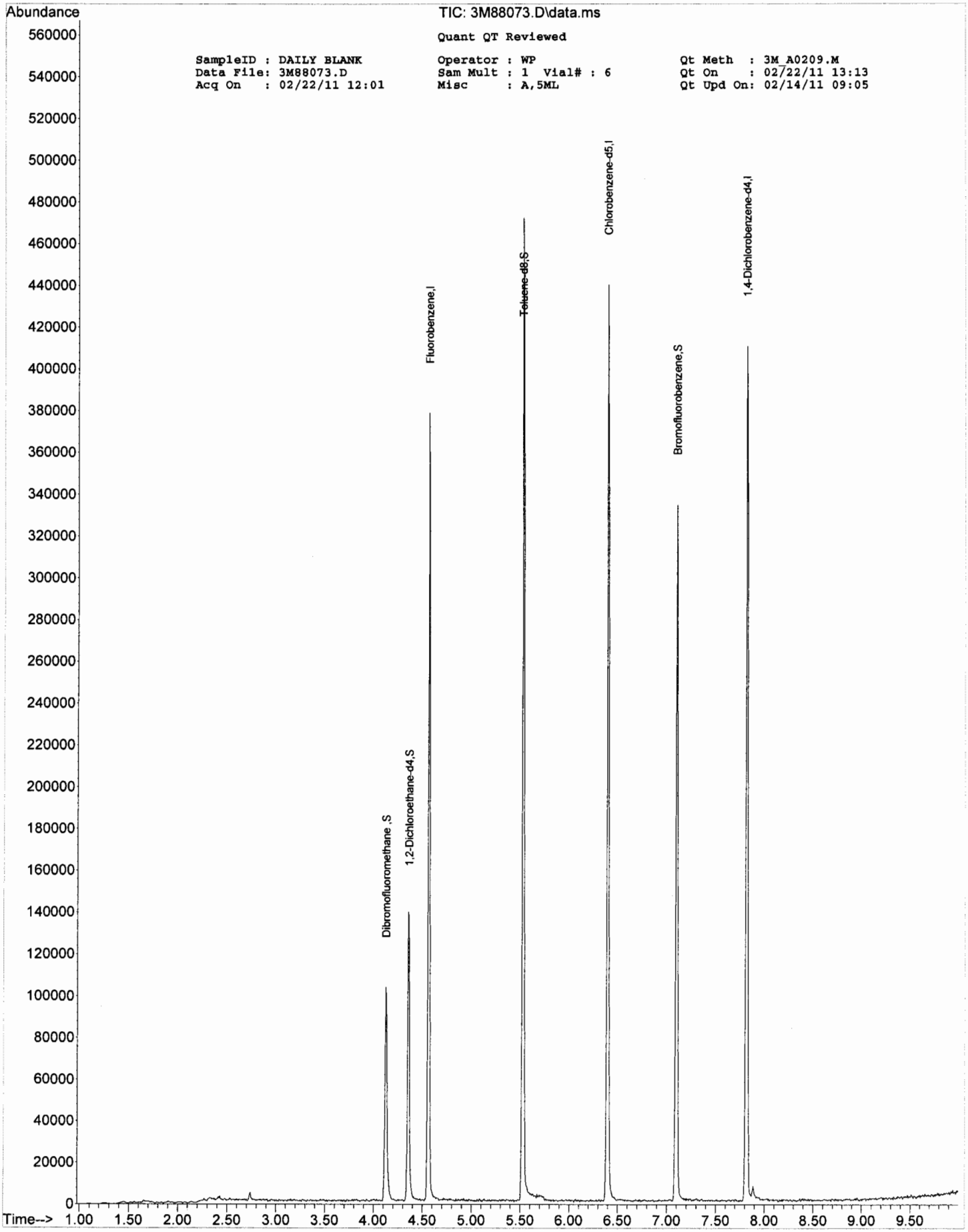
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:13
Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	180725	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	161499	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.815	152	94463	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	48882	32.08	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.93%			
35) 1,2-Dichloroethane-d4	4.357	102	11020	31.75	ug/l	0.01
Spiked Amount 30.000			Recovery = 105.83%			
59) Toluene-d8	5.524	100	125752	28.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.10%			
67) Bromofluorobenzene	7.099	174	79333	28.17	ug/l	0.01
Spiked Amount 30.000			Recovery = 93.90%			
Target Compounds						Qvalue

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

16


Abundance
TIC: 3M88073.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M88073.D
Acq On : 02/22/11 12:01
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:13
Qt Upd On: 02/14/11 09:05
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M88291.D
Analysis Date: 02/25/11 08:51
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	75-09-2	Methylene Chloride	0.77	1.0	U
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	Acetone	4.0	5.0	U	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

Worksheet #: 183384

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

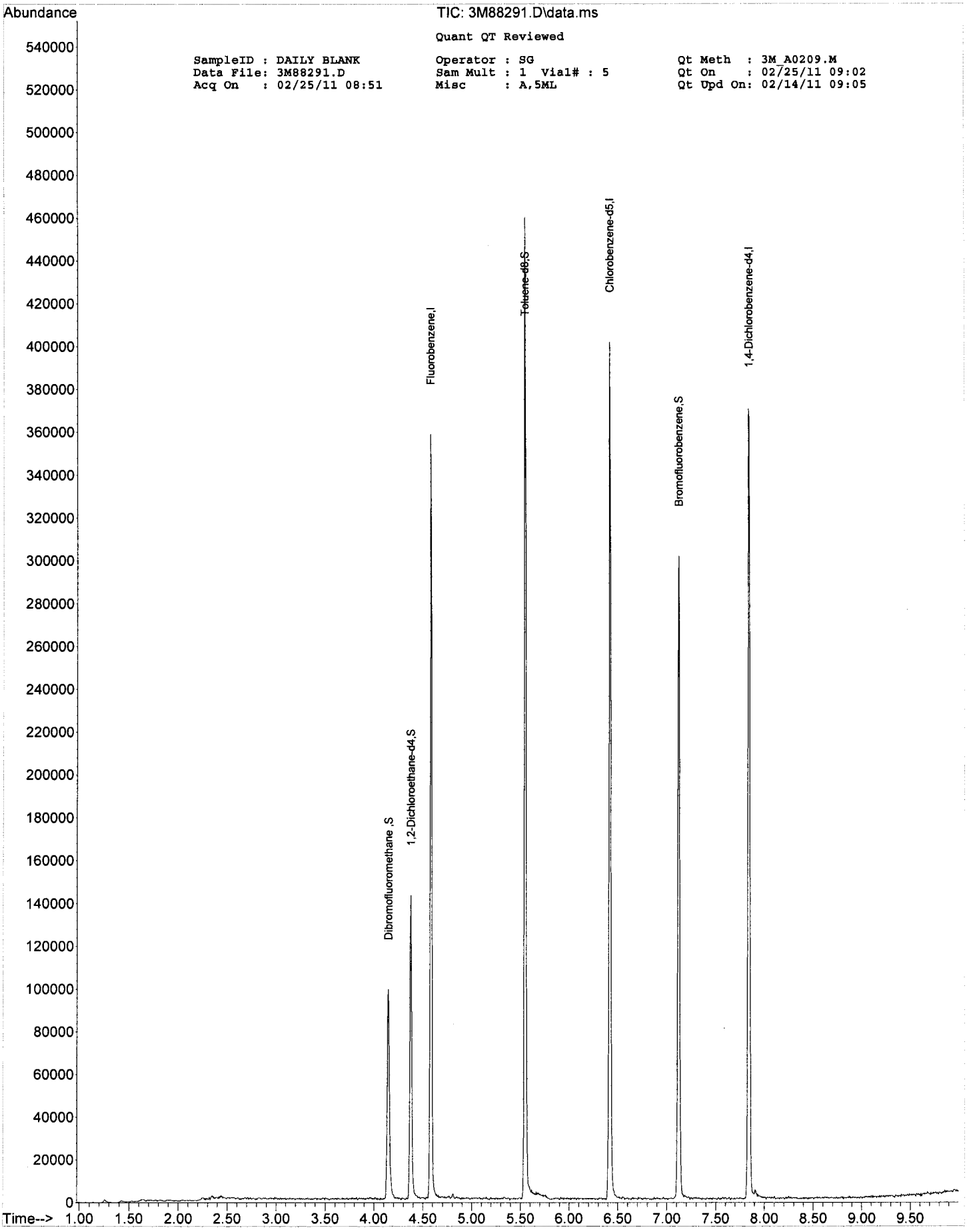
SampleID : DAILY BLANK Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88291.D Sam Mult : 1 Vial# : 5 Qt On : 02/25/11 09:02
Acq On : 02/25/11 08:51 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.580	96	172127	30.00	ug/l	0.03
48) Chlorobenzene-d5	6.420	117	154563	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.845	152	86079	30.00	ug/l	0.04
System Monitoring Compounds						
33) Dibromofluoromethane	4.147	111	47419	32.68	ug/l	0.04
Spiked Amount 30.000			Recovery = 108.93%			
35) 1,2-Dichloroethane-d4	4.375	102	10886	32.93	ug/l	0.03
Spiked Amount 30.000			Recovery = 109.77%			
59) Toluene-d8	5.548	100	118213	27.73	ug/l	0.03
Spiked Amount 30.000			Recovery = 92.43%			
67) Bromofluorobenzene	7.123	174	74172	28.90	ug/l	0.04
Spiked Amount 30.000			Recovery = 96.33%			
Target Compounds						Qvalue

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

16


Abundance
TIC: 3M88291.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M88291.D
Acq On : 02/25/11 08:51
Operator : SG
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 09:02
Qt Upd On: 02/14/11 09:05
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M88449.D
Analysis Date: 02/28/11 08:31
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	75-09-2	Methylene Chloride	0.77	U
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182568

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 3M88449.D
Acq On : 02/28/11 08:31

Operator : WP
Sam Mult : 1 Vial# : 68
Misc : A,5ML

Qt Meth : 3M_A0227.M
Qt On : 02/28/11 08:51
Qt Upd On: 02/28/11 08:04

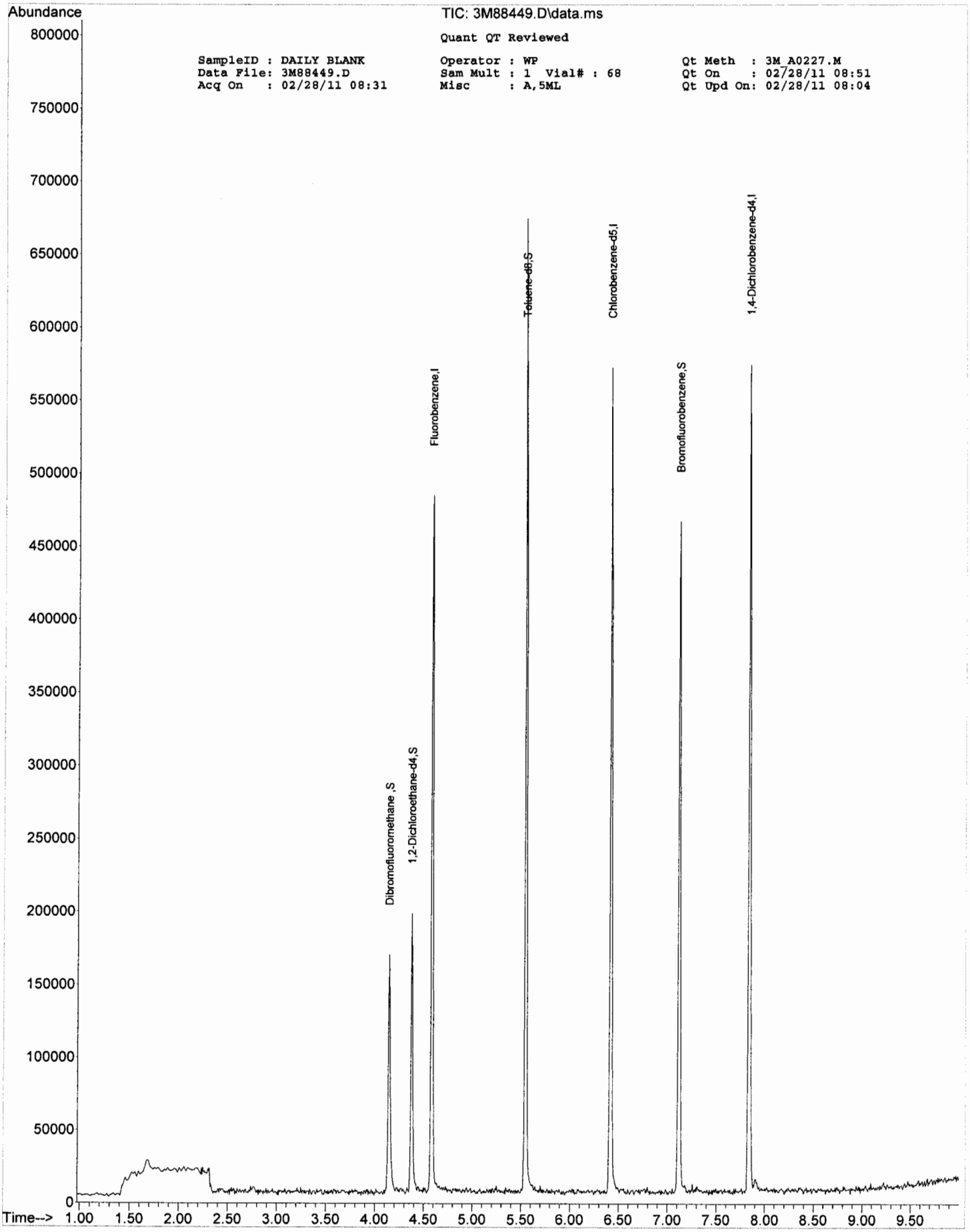
Data Path : G:\GcMsData\2011\GCMS_3\Data\02-28-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.583	96	266126	30.00	ug/l	0.01
51) Chlorobenzene-d5	6.416	117	229768	30.00	ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.840	152	135305	30.00	ug/l	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.145	111	73200	30.53	ug/l	0.01
Spiked Amount 30.000			Recovery = 101.77%			
38) 1,2-Dichloroethane-d4	4.373	67	45131	30.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.00%			
65) Toluene-d8	5.545	98	286906	29.26	ug/l	0.01
Spiked Amount 30.000			Recovery = 97.53%			
75) Bromofluorobenzene	7.119	174	119916	28.11	ug/l	0.01
Spiked Amount 30.000			Recovery = 93.70%			

Target Compounds Qvalue

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

lw


Abundance
TIC: 3M88449.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 3M88449.D
Acq On : 02/28/11 08:31
Operator : WP
Sam Mult : 1 Vial# : 68
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 08:51
Qt Upd On: 02/28/11 08:04
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M63687.D
Analysis Date: 03/03/11 09:21
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	75-09-2	Methylene Chloride	0.77	1.0	U
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	Acetone	4.0	5.0	U	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

Worksheet #: 183432

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

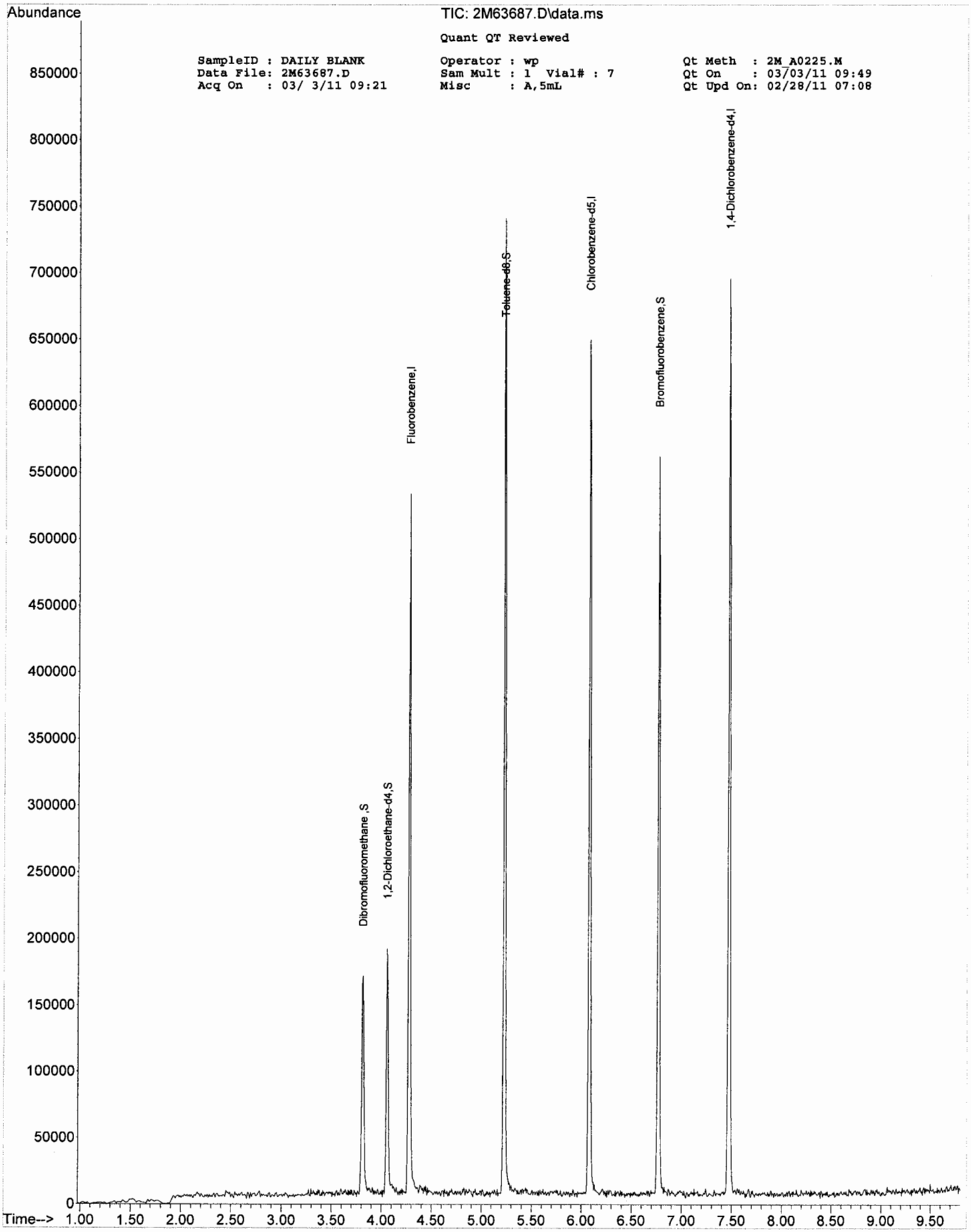
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63687.D Sam Mult : 1 Vial# : 7 Qt On : 03/03/11 09:49
Acq On : 03/ 3/11 09:21 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.277	96	294312	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.076	117	254367	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	152658	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.814	111	74848	30.67	ug/l	-0.04
Spiked Amount 30.000			Recovery = 102.23%			
38) 1,2-Dichloroethane-d4	4.054	67	43629	28.22	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.07%			
65) Toluene-d8	5.227	98	312447	27.79	ug/l	-0.03
Spiked Amount 30.000			Recovery = 92.63%			
75) Bromofluorobenzene	6.767	174	136813	28.70	ug/l	-0.04
Spiked Amount 30.000			Recovery = 95.67%			
Target Compounds						Qvalue

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


Abundance
TIC: 2M63687.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M63687.D
Acq On : 03/ 3/11 09:21
Operator : wp
Sam Mult : 1 Vial# : 7
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/03/11 09:49
Qt Upd On: 02/28/11 07:08
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-1014(2/11/11)
Client Id:
Data File: 6M65448.D
Analysis Date: 02/11/11 19:00
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**9.6**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

Worksheet #: 182002

Total Target Concentration 9.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

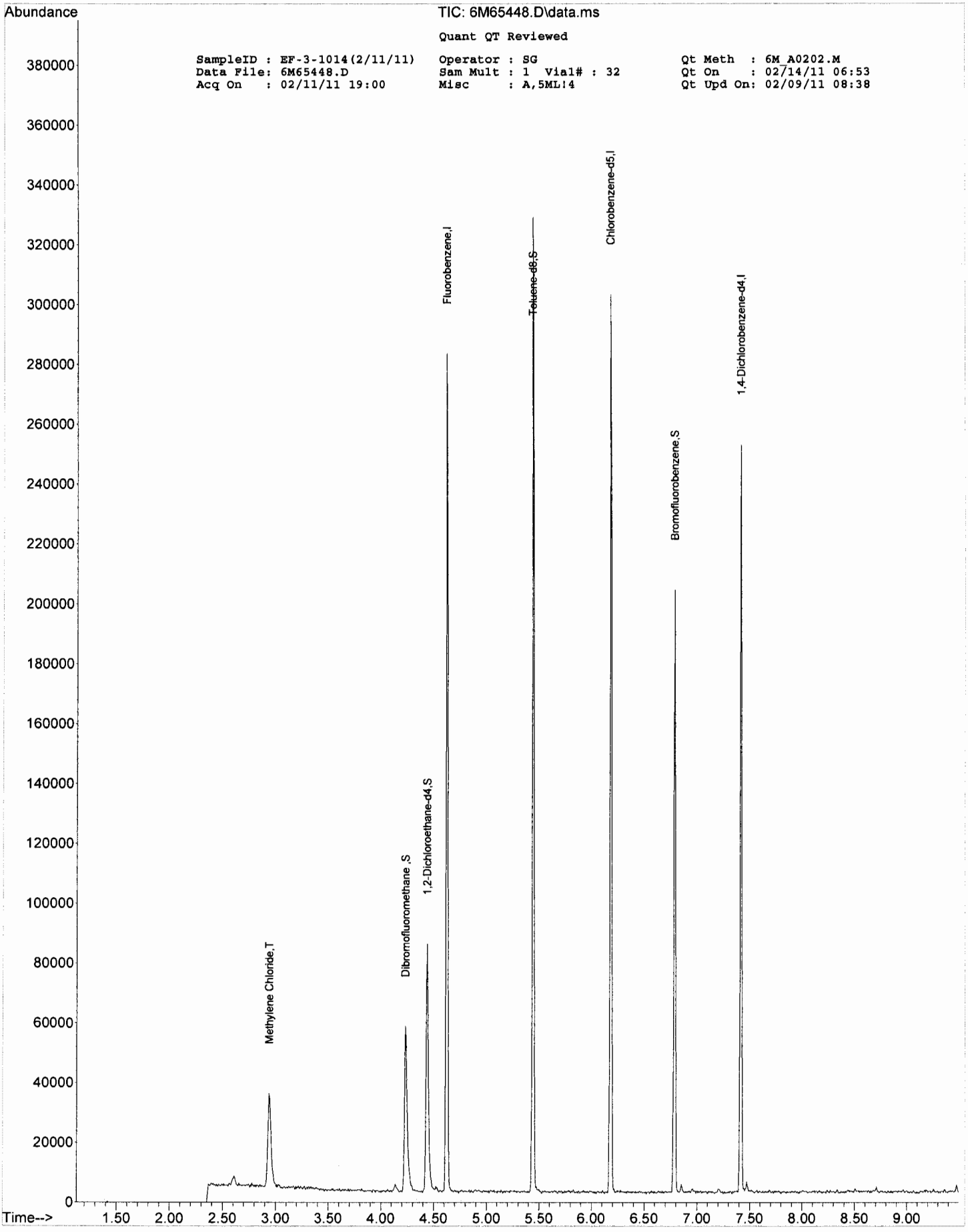
Quantitation Report (QT Reviewed)

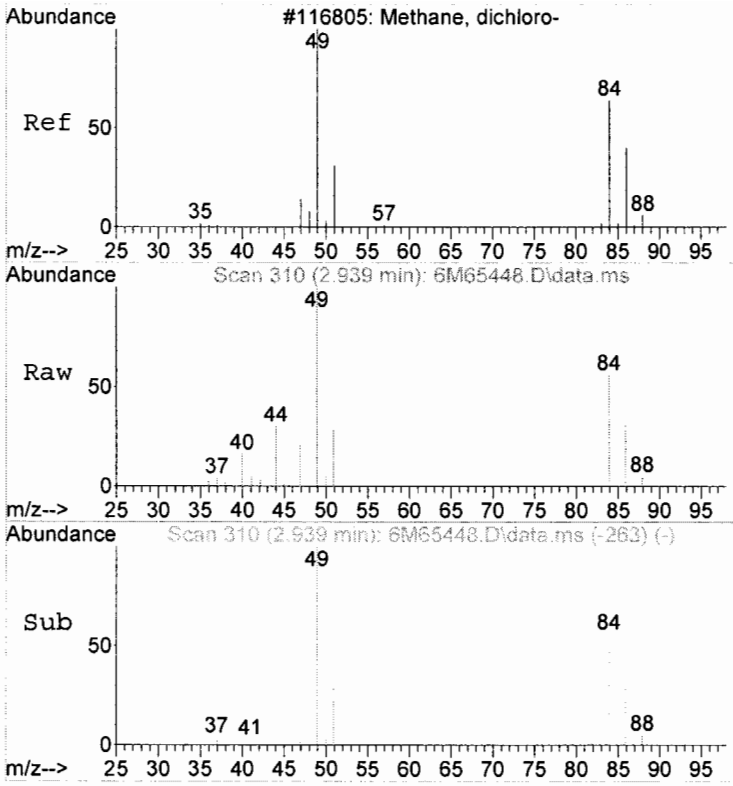
SampleID : EF-3-1014(2/11/11) Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65448.D Sam Mult : 1 Vial# : 32 Qt On : 02/14/11 06:53
Acq On : 02/11/11 19:00 Misc : A,5ML!4 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	121203	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.179	117	87474	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.418	152	36978	30.00	ug/l	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	4.232	111	34655	31.37	ug/l	-0.02
Spiked Amount 30.000			Recovery = 104.57%			
38) 1,2-Dichloroethane-d4	4.436	67	23937	30.73	ug/l	-0.01
Spiked Amount 30.000			Recovery = 102.43%			
65) Toluene-d8	5.440	98	115266	26.63	ug/l	-0.01
Spiked Amount 30.000			Recovery = 88.77%			
75) Bromofluorobenzene	6.786	174	29197	28.83	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.10%			
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	13485	9.63	ug/l	73

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

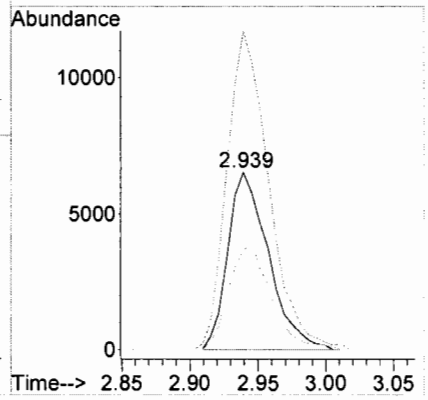

Abundance
TIC: 6M65448.D\data.ms
Quant QT Reviewed
SampleID : EF-3-1014(2/11/11)
Data File: 6M65448.D
Acq On : 02/11/11 19:00
Operator : SG
Sam Mult : 1 Vial# : 32
Misc : A,5ML!4
Qt Meth : 6M_A0202.M
Qt On : 02/14/11 06:53
Qt Upd On: 02/09/11 08:38
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#15
Methylene Chloride
Concen: 9.63 ug/l
RT: 2.939 min Scan# 310
Delta R.T. -0.017 min
Lab File: 6M65448.D
Acq: 11 Feb 2011 19:00

Tgt Ion: 84 Resp: 13485

Ion	Ratio	Lower	Upper
84	100		
49	179.4	56.4	225.6
86	55.7	28.0	112.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-1014(2/15/11)
Client Id:
Data File: 6M65544.D
Analysis Date: 02/15/11 19:56
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**17**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	Acetone	4.0	U	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

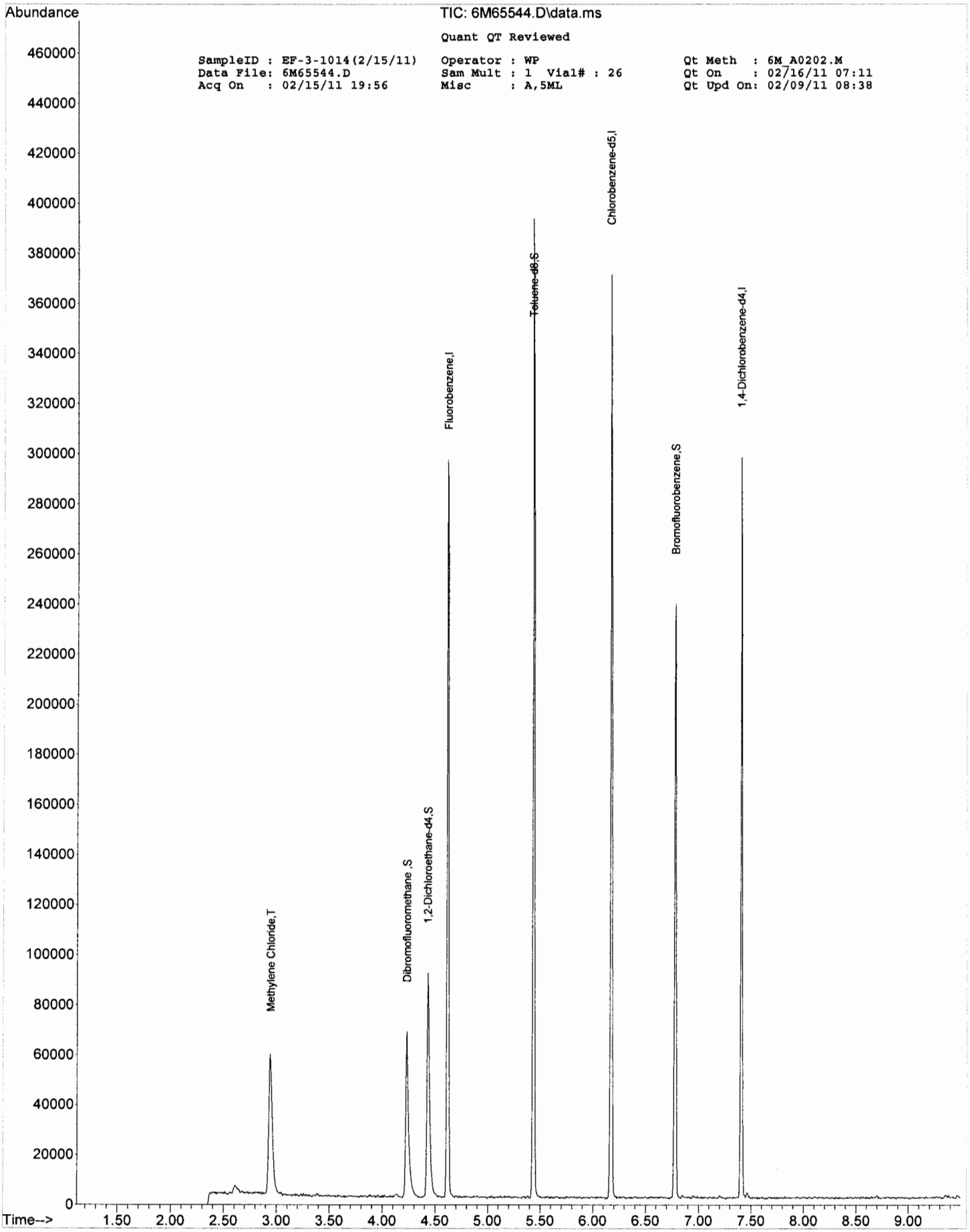
Quantitation Report (QT Reviewed)

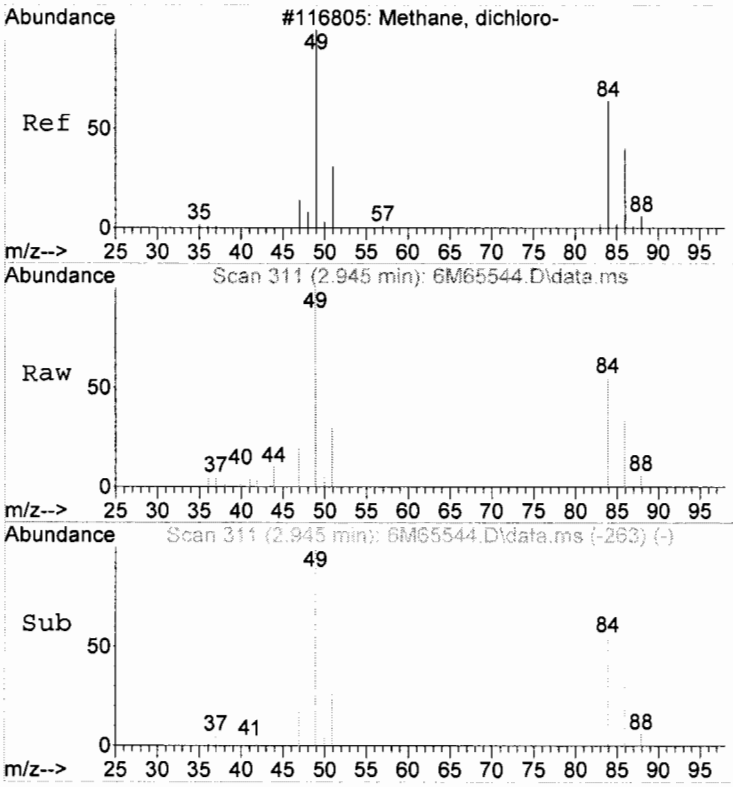
SampleID : EF-3-1014(2/15/11) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65544.D Sam Mult : 1 Vial# : 26 Qt On : 02/16/11 07:11
Acq On : 02/15/11 19:56 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	138838	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.173	117	102897	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.406	152	44813	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.232	111	42524	33.60	ug/l	-0.02
Spiked Amount 30.000			Recovery = 112.00%			
38) 1,2-Dichloroethane-d4	4.430	67	28294	31.71	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.70%			
65) Toluene-d8	5.434	98	134924	26.50	ug/l	-0.02
Spiked Amount 30.000			Recovery = 88.33%			
75) Bromofluorobenzene	6.780	174	38063	31.01	ug/l	-0.02
Spiked Amount 30.000			Recovery = 103.37%			
Target Compounds						Qvalue
15) Methylene Chloride	2.945	84	26739	16.66	ug/l	75

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

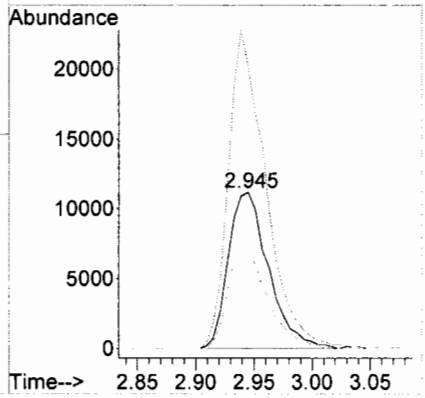

Abundance
TIC: 6M65544.D\data.ms
Quant QT Reviewed
SampleID : EF-3-1014(2/15/11)
Data File: 6M65544.D
Acq On : 02/15/11 19:56
Operator : WP
Sam Mult : 1 Vial# : 26
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/16/11 07:11
Qt Upd On: 02/09/11 08:38
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#15
Methylene Chloride
Concen: 16.66 ug/l
RT: 2.945 min Scan# 311
Delta R.T. -0.011 min
Lab File: 6M65544.D
Acq: 15 Feb 2011 19:56

Tgt Ion: 84 Resp: 26739

Ion	Ratio	Lower	Upper
84	100		
49	181.1	56.4	225.6
86	62.4	28.0	112.0



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-V-1014#10(02201
Client Id:
Data File: 3M88085.D
Analysis Date: 02/22/11 15:20
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	U	56-23-5	Carbon Tetrachloride	0.67	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	108-90-7	Chlorobenzene	0.67	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	U	75-00-3	Chloroethane	0.76	U
79-00-5	1,1,2-Trichloroethane	0.55	U	67-66-3	Chloroform	0.36	U
75-34-3	1,1-Dichloroethane	0.33	U	74-87-3	Chloromethane	0.45	U
75-35-4	1,1-Dichloroethene	0.58	U	156-59-2	cis-1,2-Dichloroethene	0.29	U
96-18-4	1,2,3-Trichloropropane	0.91	U	10061-01-5	cis-1,3-Dichloropropene	0.64	U
95-63-6	1,2,4-Trimethylbenzene	0.24	U	124-48-1	Dibromochloromethane	0.55	U
95-50-1	1,2-Dichlorobenzene	0.77	U	75-71-8	Dichlorodifluoromethane	0.51	U
107-06-2	1,2-Dichloroethane	0.43	U	100-41-4	Ethylbenzene	0.65	U
78-87-5	1,2-Dichloropropane	0.37	U	98-82-8	Isopropylbenzene	0.42	U
108-67-8	1,3,5-Trimethylbenzene	0.58	U	136777612	m&p-Xylenes	0.75	U
541-73-1	1,3-Dichlorobenzene	0.42	U	**75-09-2**	**Methylene Chloride**	**0.77**	**2.7**
142-28-9	1,3-Dichloropropane	0.51	U	1634-04-4	Methyl-t-butyl ether	0.31	U
106-46-7	1,4-Dichlorobenzene	0.33	U	104-51-8	n-Butylbenzene	0.48	U
123-91-1	1,4-Dioxane	27	U	103-65-1	n-Propylbenzene	0.34	U
78-93-3	2-Butanone	0.90	U	95-47-6	o-Xylene	0.54	U
110-75-8	2-Chloroethylvinylether	0.86	U	135-98-8	sec-Butylbenzene	0.47	U
591-78-6	2-Hexanone	0.46	U	100-42-5	Styrene	0.33	U
99-87-6	4-Isopropyltoluene	0.49	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	U	98-06-6	t-Butylbenzene	0.25	U
67-64-1	**Acetone**	**4.0**	**17**	127-18-4	Tetrachloroethene	0.33	U
107-02-8	Acrolein	2.9	U	108-88-3	Toluene	0.40	U
107-13-1	Acrylonitrile	0.92	U	156-60-5	trans-1,2-Dichloroethene	0.81	U
71-43-2	Benzene	0.37	U	10061-02-6	trans-1,3-Dichloropropene	0.61	U
75-27-4	Bromodichloromethane	0.43	U	79-01-6	Trichloroethene	0.45	U
75-25-2	Bromoform	0.29	U	75-69-4	Trichlorofluoromethane	0.86	U
74-83-9	Bromomethane	0.97	U	75-01-4	Vinyl Chloride	0.85	U
75-15-0	Carbon Disulfide	0.30	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

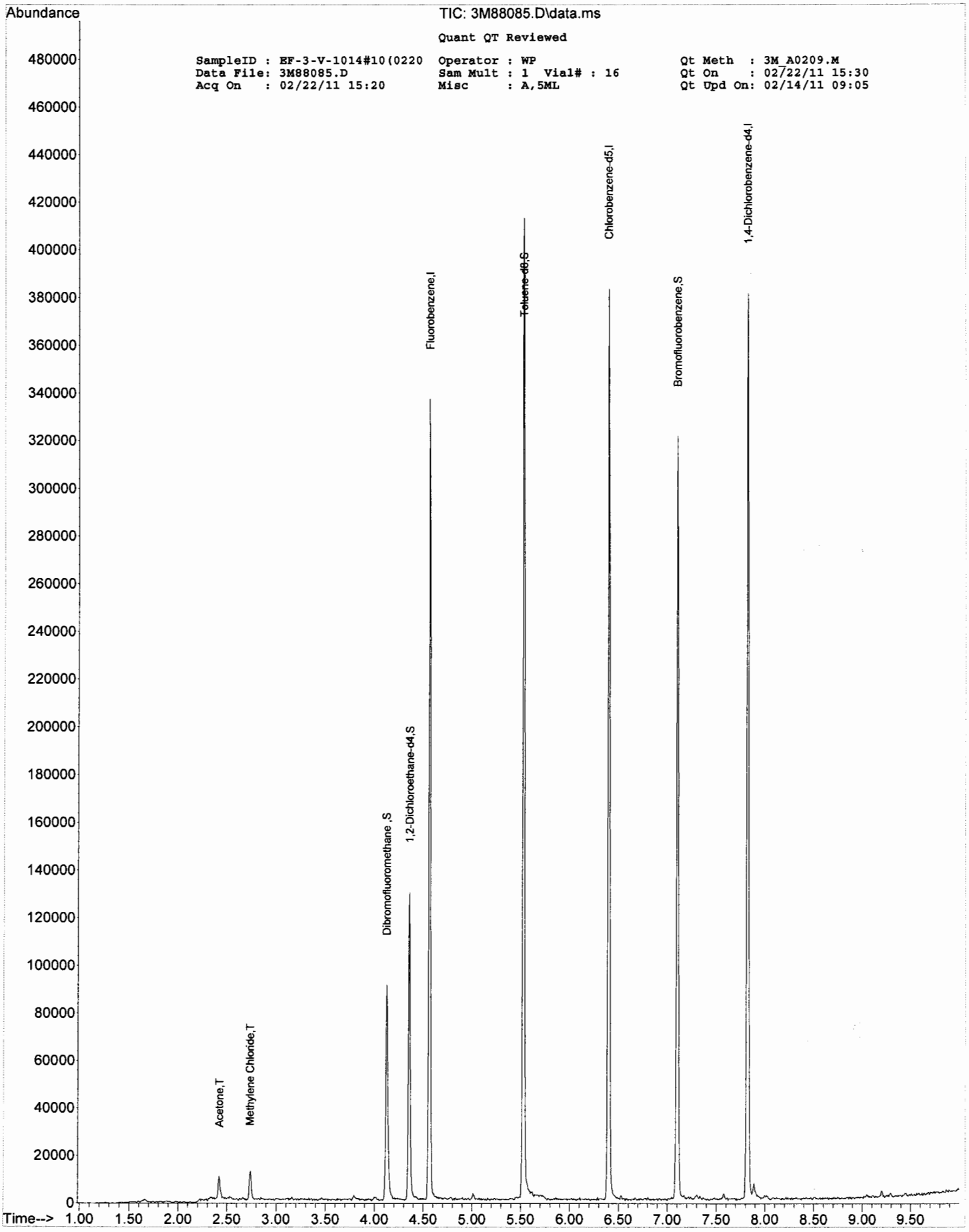
Quantitation Report (QT Reviewed)

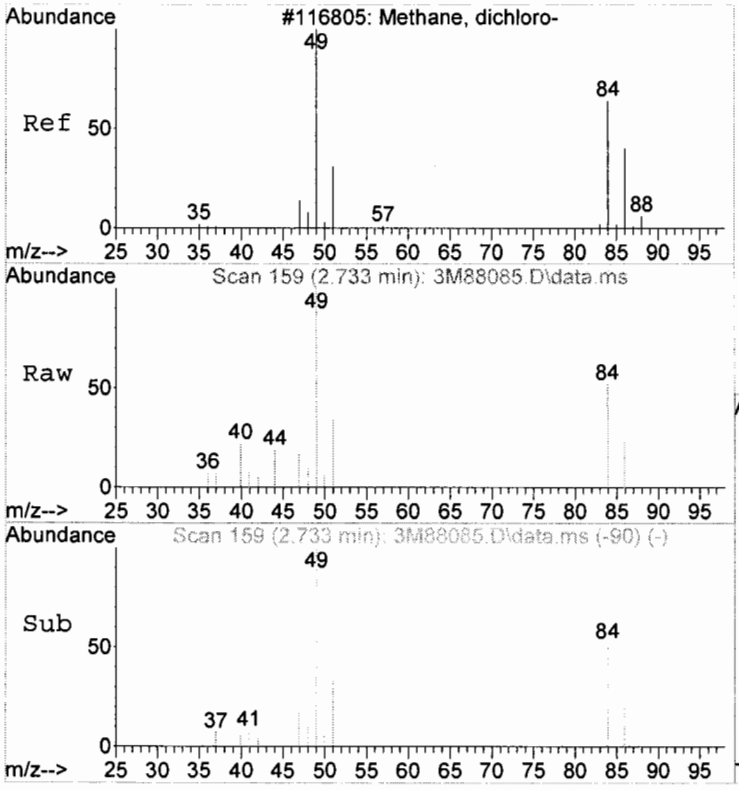
SampleID : EF-3-V-1014#10(0220 Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88085.D Sam Mult : 1 Vial# : 16 Qt On : 02/22/11 15:30
Acq On : 02/22/11 15:20 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	161684	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	146568	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.820	152	86173	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	42139	30.91	ug/l	0.01
Spiked Amount 30.000			Recovery =	103.03%		
35) 1,2-Dichloroethane-d4	4.357	102	9941	32.01	ug/l	0.01
Spiked Amount 30.000			Recovery =	106.70%		
59) Toluene-d8	5.529	100	112049	27.72	ug/l	0.01
Spiked Amount 30.000			Recovery =	92.40%		
67) Bromofluorobenzene	7.099	174	73140	28.47	ug/l	0.01
Spiked Amount 30.000			Recovery =	94.90%		
Target Compounds						Qvalue
13) Methylene Chloride	2.733	84	3069	2.72	ug/l	87
17) Acetone	2.420	43	9707	17.44	ug/l	90

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

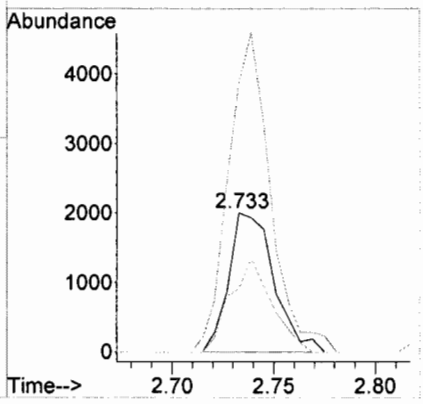

Abundance
TIC: 3M88085.D\data.ms
Quant QT Reviewed
SampleID : EF-3-V-1014#10(0220
Data File: 3M88085.D
Acq On : 02/22/11 15:20
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 15:30
Qt Upd On: 02/14/11 09:05
Acetone,T
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

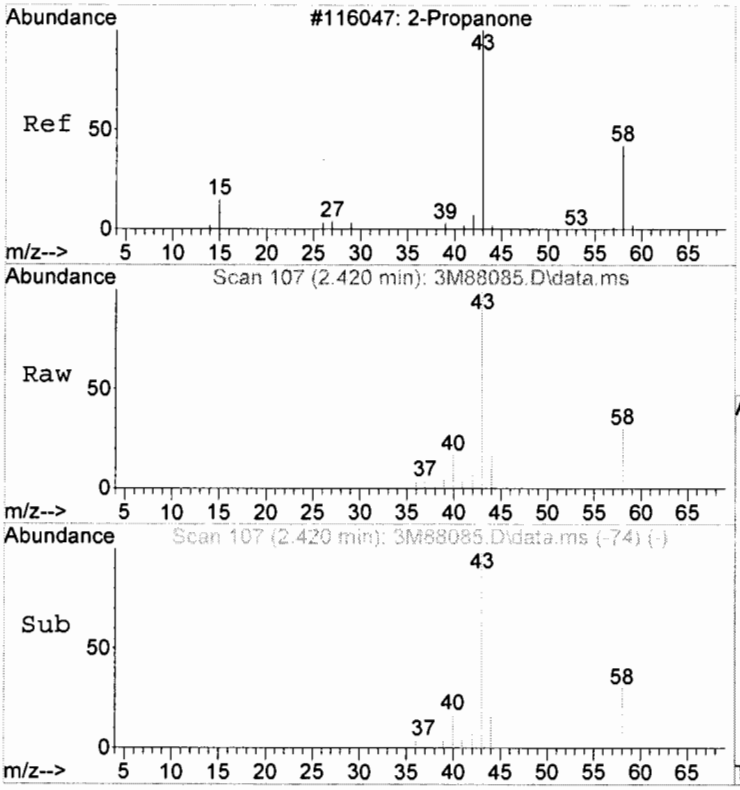


#13
Methylene Chloride
Concen: 2.72 ug/l
RT: 2.733 min Scan# 159
Delta R.T. 0.012 min
Lab File: 3M88085.D
Acq: 22 Feb 2011 15:20

Tgt Ion: 84 Resp: 3069

Ion	Ratio	Lower	Upper
84	100		
49	193.7	102.1	306.1
86	45.4	41.7	97.3

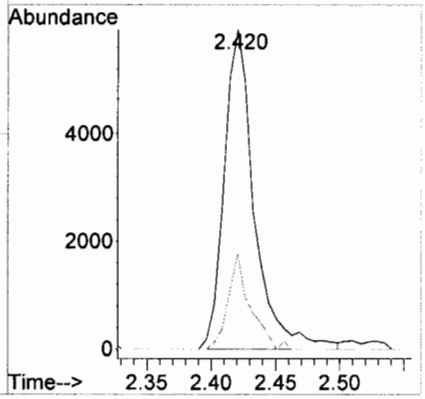




#17
Acetone
Concen: 17.44 ug/l
RT: 2.420 min Scan# 107
Delta R.T. 0.017 min
Lab File: 3M88085.D
Acq: 22 Feb 2011 15:20

Tgt Ion: 43 Resp: 9707

Ion	Ratio	Lower	Upper
43	100		
58	29.7	0.0	64.8



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-V-1014#15(02251
Client Id:
Data File: 3M88324.D
Analysis Date: 02/25/11 18:12
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	67-66-3	Chloroform	0.36	1.0	U
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**7.6**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	**Acetone**	**4.0**	**5.0**	**19**	127-18-4	Tetrachloroethene	0.33	0.50	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

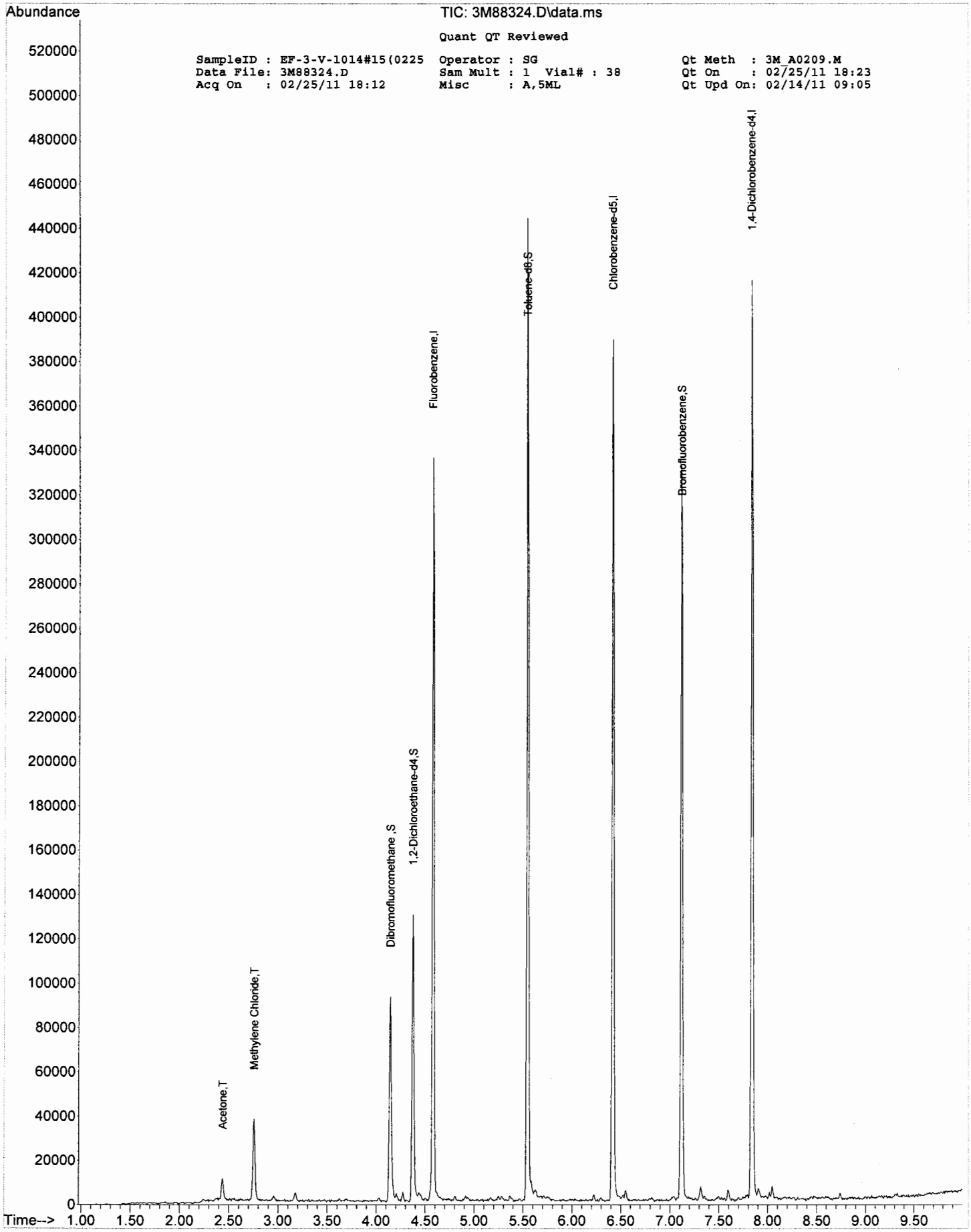
SampleID : EF-3-V-1014#15(0225 Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88324.D Sam Mult : 1 Vial# : 38 Qt On : 02/25/11 18:23
Acq On : 02/25/11 18:12 Misc : A,5ML Qt Upd On: 02/14/11 09:05

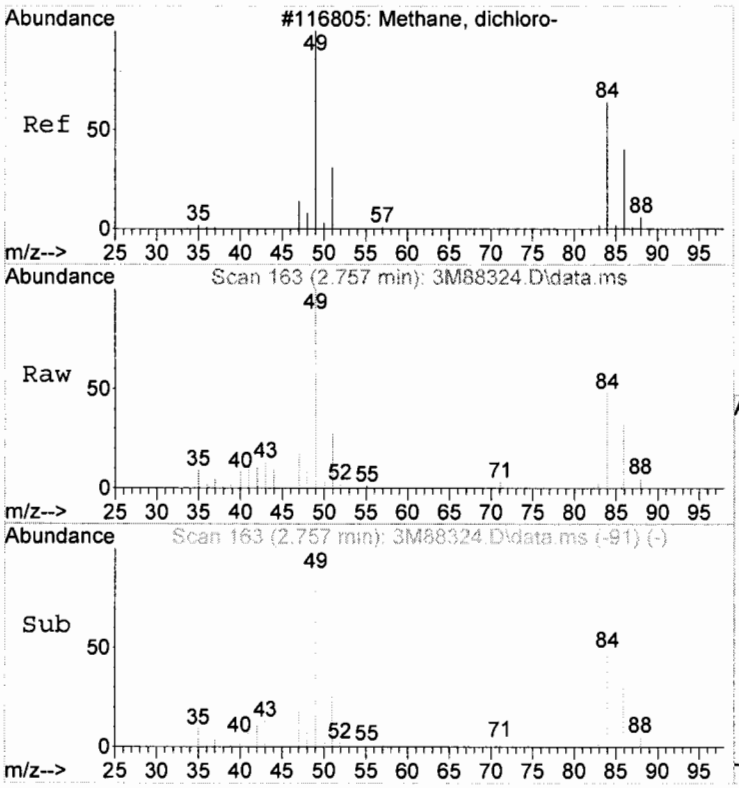
Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.579	96	160538	30.00	ug/l	0.03
48) Chlorobenzene-d5	6.419	117	150144	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.838	152	93833	30.00	ug/l	0.03
System Monitoring Compounds						
33) Dibromofluoromethane	4.146	111	41258	30.48	ug/l	0.03
Spiked Amount 30.000			Recovery = 101.60%			
35) 1,2-Dichloroethane-d4	4.374	102	9625	31.21	ug/l	0.03
Spiked Amount 30.000			Recovery = 104.03%			
59) Toluene-d8	5.547	100	115746	27.95	ug/l	0.03
Spiked Amount 30.000			Recovery = 93.17%			
67) Bromofluorobenzene	7.122	174	74888	26.77	ug/l	0.03
Spiked Amount 30.000			Recovery = 89.23%			
Target Compounds						Qvalue
13) Methylene Chloride	2.757	84	8552	7.65	ug/l	97
17) Acetone	2.438	43	10310	18.65	ug/l	85

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

Ke

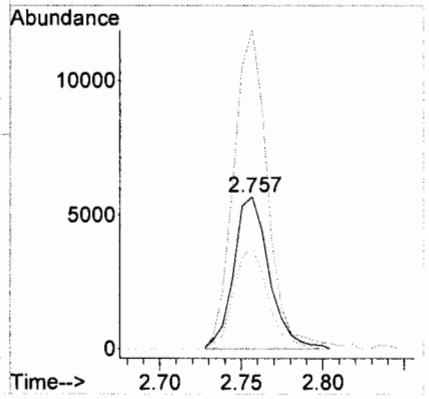

Abundance
TIC: 3M88324.D\data.ms
Quant QT Reviewed
SampleID : EF-3-V-1014#15(0225
Data File: 3M88324.D
Acq On : 02/25/11 18:12
Operator : SG
Sam Mult : 1 Vial# : 38
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 18:23
Qt Upd On: 02/14/11 09:05
Acetone,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

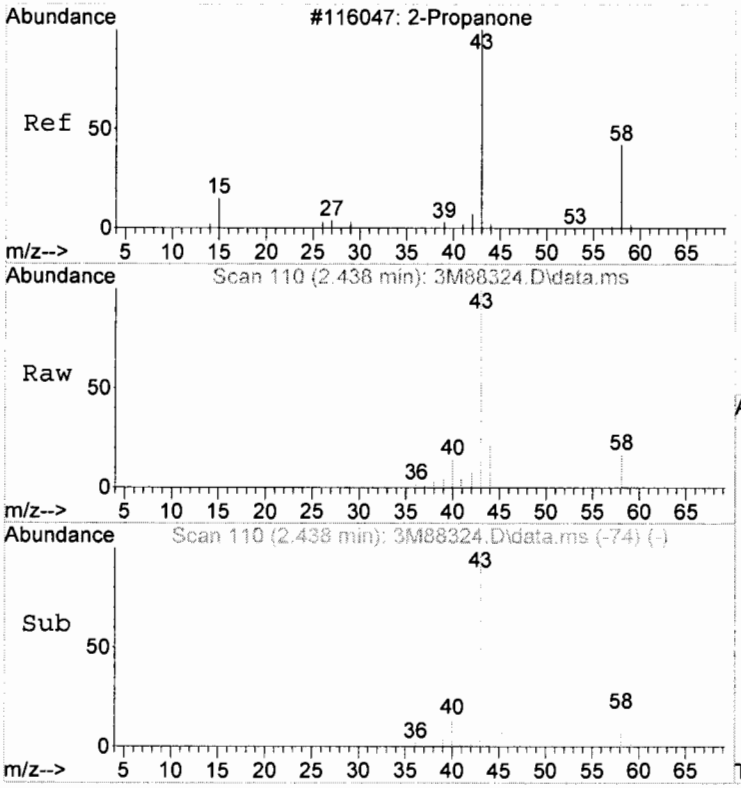


#13
Methylene Chloride
Concen: 7.65 ug/l
RT: 2.757 min Scan# 163
Delta R.T. 0.036 min
Lab File: 3M88324.D
Acq: 25 Feb 2011 18:12

Tgt Ion: 84 Resp: 8552

Ion	Ratio	Lower	Upper
84	100		
49	209.3	102.1	306.1
86	66.8	41.7	97.3

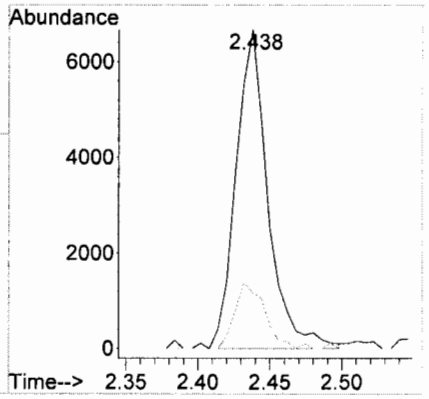




#17
Acetone
Concen: 18.65 ug/l
RT: 2.438 min Scan# 110
Delta R.T. 0.035 min
Lab File: 3M88324.D
Acq: 25 Feb 2011 18:12

Tgt Ion: 43 Resp: 10310

Ion	Ratio	Lower	Upper
43	100		
58	17.4	0.0	64.8



Form1

ORGANICS VOLATILE REPORT

Sample Number: EF-3-V-1014(030211)
Client Id:
Data File: 2M63713.D
Analysis Date: 03/03/11 16:35
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.48	1.0	U	56-23-5	Carbon Tetrachloride	0.67	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.34	1.0	U	108-90-7	Chlorobenzene	0.67	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.82	1.0	U	75-00-3	Chloroethane	0.76	1.0	U
79-00-5	1,1,2-Trichloroethane	0.55	1.0	U	**67-66-3**	**Chloroform**	**0.36**	**1.0**	**1.0**
75-34-3	1,1-Dichloroethane	0.33	1.0	U	74-87-3	Chloromethane	0.45	1.0	U
75-35-4	1,1-Dichloroethene	0.58	1.0	U	156-59-2	cis-1,2-Dichloroethene	0.29	1.0	U
96-18-4	1,2,3-Trichloropropane	0.91	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.64	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.24	1.0	U	124-48-1	Dibromochloromethane	0.55	1.0	U
95-50-1	1,2-Dichlorobenzene	0.77	1.0	U	75-71-8	Dichlorodifluoromethane	0.51	1.0	U
107-06-2	1,2-Dichloroethane	0.43	0.50	U	100-41-4	Ethylbenzene	0.65	1.0	U
78-87-5	1,2-Dichloropropane	0.37	1.0	U	98-82-8	Isopropylbenzene	0.42	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.58	1.0	U	136777612	m&p-Xylenes	0.75	1.0	U
541-73-1	1,3-Dichlorobenzene	0.42	1.0	U	**75-09-2**	**Methylene Chloride**	**0.77**	**1.0**	**5.7**
142-28-9	1,3-Dichloropropane	0.51	1.0	U	1634-04-4	Methyl-t-butyl ether	0.31	0.50	U
106-46-7	1,4-Dichlorobenzene	0.33	1.0	U	104-51-8	n-Butylbenzene	0.48	1.0	U
123-91-1	1,4-Dioxane	27	50	U	103-65-1	n-Propylbenzene	0.34	1.0	U
78-93-3	2-Butanone	0.90	1.0	U	95-47-6	o-Xylene	0.54	1.0	U
110-75-8	2-Chloroethylvinylether	0.86	1.0	U	135-98-8	sec-Butylbenzene	0.47	1.0	U
591-78-6	2-Hexanone	0.46	1.0	U	100-42-5	Styrene	0.33	1.0	U
99-87-6	4-Isopropyltoluene	0.49	1.0	U	75-65-0	t-Butyl Alcohol	5.0	5.0	U
108-10-1	4-Methyl-2-Pentanone	0.85	1.0	U	98-06-6	t-Butylbenzene	0.25	1.0	U
67-64-1	Acetone	4.0	5.0	U	127-18-4	Tetrachloroethene	0.33	1.0	U
107-02-8	Acrolein	2.9	5.0	U	108-88-3	Toluene	0.40	1.0	U
107-13-1	Acrylonitrile	0.92	2.0	U	156-60-5	trans-1,2-Dichloroethene	0.81	1.0	U
71-43-2	Benzene	0.37	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.61	1.0	U
75-27-4	Bromodichloromethane	0.43	1.0	U	79-01-6	Trichloroethene	0.45	1.0	U
75-25-2	Bromoform	0.29	1.0	U	75-69-4	Trichlorofluoromethane	0.86	1.0	U
74-83-9	Bromomethane	0.97	1.0	U	75-01-4	Vinyl Chloride	0.85	1.0	U
75-15-0	Carbon Disulfide	0.30	1.0	U					

Worksheet #: 183432

Total Target Concentration 6.7

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

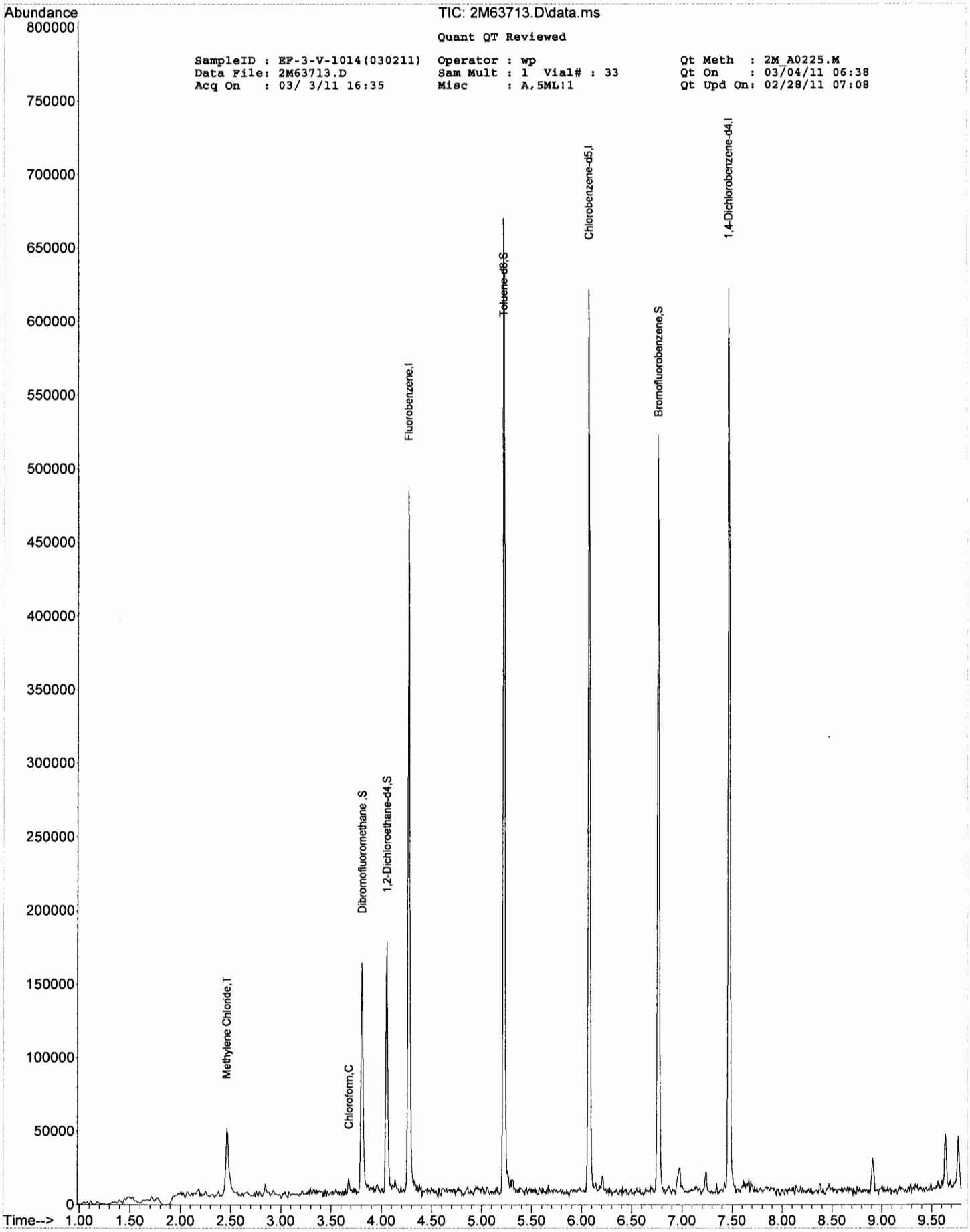
Quantitation Report (QT Reviewed)

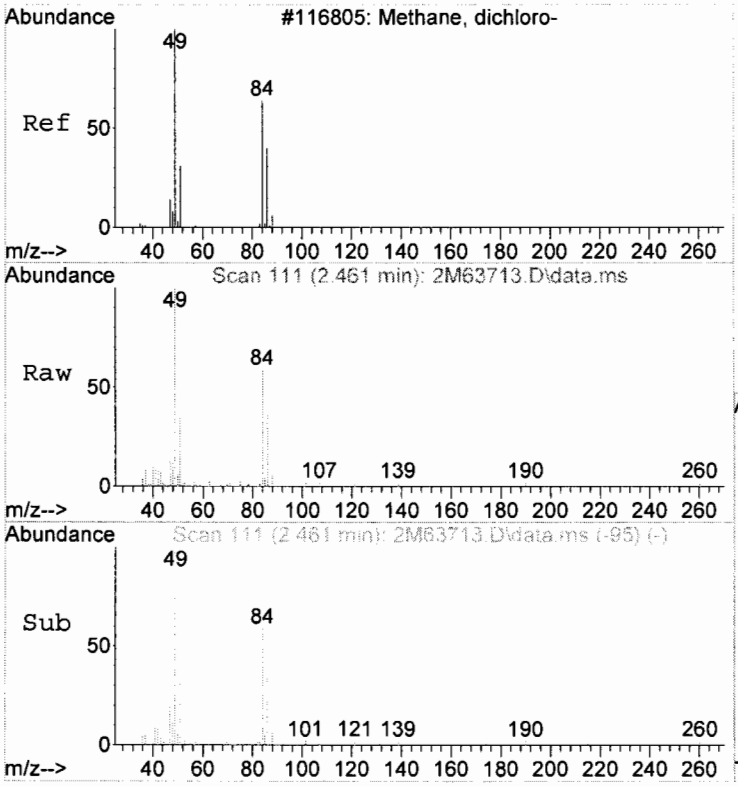
SampleID : EF-3-V-1014(030211) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63713.D Sam Mult : 1 Vial# : 33 Qt On : 03/04/11 06:38
Acq On : 03/ 3/11 16:35 Misc : A,5ML!1 Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.271	96	263890	30.00	ug/l	-0.04
51) Chlorobenzene-d5	6.075	117	225669	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	133552	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.807	111	68789	31.44	ug/l	-0.04
Spiked Amount 30.000			Recovery = 104.80%			
38) 1,2-Dichloroethane-d4	4.054	67	41634	30.04	ug/l	-0.04
Spiked Amount 30.000			Recovery = 100.13%			
65) Toluene-d8	5.221	98	283880	28.46	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.87%			
75) Bromofluorobenzene	6.767	174	126933	30.43	ug/l	-0.04
Spiked Amount 30.000			Recovery = 101.43%			
Target Compounds						Qvalue
15) Methylene Chloride	2.461	84	18375	5.71	ug/l	80
35) Chloroform	3.675	83	4836	1.04	ug/l	54

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

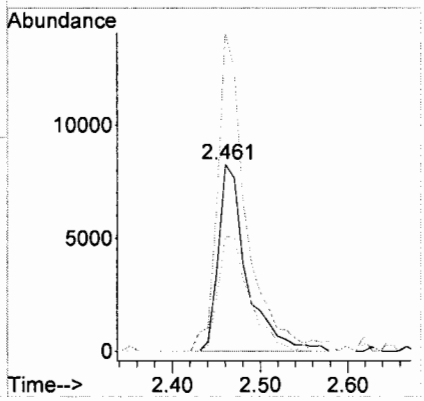

Abundance
TIC: 2M63713.D\data.ms
Quant QT Reviewed
SampleID : EF-3-V-1014(030211)
Data File: 2M63713.D
Acq On : 03/ 3/11 16:35
Operator : wp
Sam Mult : 1 Vial# : 33
Misc : A,5ML;1
Qt Meth : 2M_A0225.M
Qt On : 03/04/11 06:38
Qt Upd On: 02/28/11 07:08
Methylene Chloride,T
Chloroform,C
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

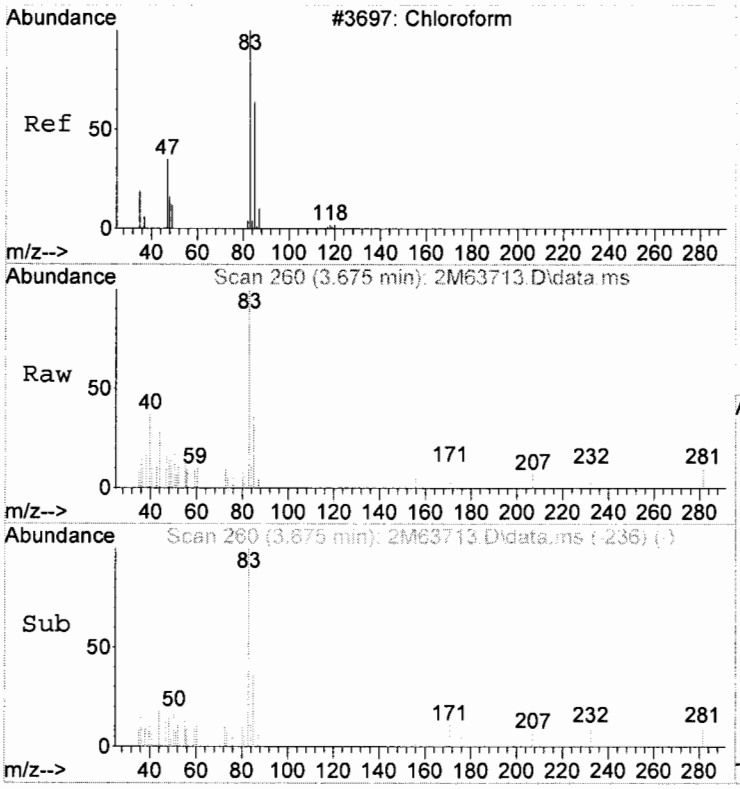


#15
Methylene Chloride
Concen: 5.71 ug/l
RT: 2.461 min Scan# 111
Delta R.T. -0.040 min
Lab File: 2M63713.D
Acq: 3 Mar 2011 16:35

Tgt Ion: 84 Resp: 18375

Ion	Ratio	Lower	Upper
84	100		
49	170.2	56.4	225.6
86	61.0	28.0	112.0

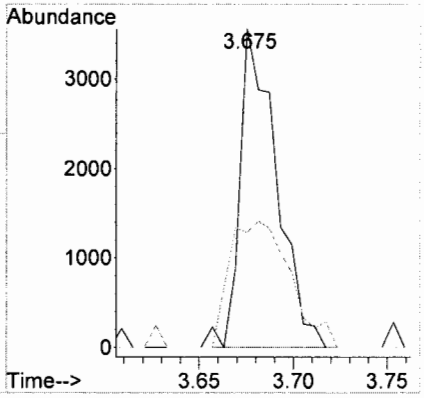




#35
Chloroform
Concen: 1.04 ug/l
RT: 3.675 min Scan# 260
Delta R.T. -0.054 min
Lab File: 2M63713.D
Acq: 3 Mar 2011 16:35

Tgt Ion: 83 Resp: 4836

Ion	Ratio	Lower	Upper
83	100		
85	36.2	36.0	116.0



Form3
Recovery Data
QC Batch: MBS6006

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65422.D	MBS6006	2/11/2011 11:44:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			
Method: 8260	Matrix: Aqueous		QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.7	0	20	74	21	137
1,1-Dichloroethene	1	13.94	0	20	70	21	133
1,1-Dichloroethane	1	16.27	0	20	81	44	134
Chloroform	1	17.42	0	20	87	40	148
1,2-Dichloroethane	1	19.37	0	20	97	43	144
2-Butanone	1	19.9	0	20	100	25	157
Carbon Tetrachloride	1	15.28	0	20	76	42	146
Trichloroethene	1	16.41	0	20	82	46	127
Benzene	1	18.35	0	20	92	49	135
Tetrachloroethene	1	13.55	0	20	68	42	138
Toluene	1	15.59	0	20	78	53	129
Chlorobenzene	1	15.36	0	20	77	51	129
1,4-Dichlorobenzene	1	15.22	0	20	76	45	128
1,2-Dichlorobenzene	1	15.53	0	20	78	50	126
n-Propylbenzene	1	16.31	0	20	82	45	135
sec-Butylbenzene	1	16.1	0	20	80	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65422.D
Acq On : 02/11/11 11:44

Operator : SG
Sam Mult : 1 Vial# : 8
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/11/11 12:03
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	4.621	96	124457	30.00	ug/l		-0.01
51) Chlorobenzene-d5	6.178	117	86385	30.00	ug/l		-0.01
69) 1,4-Dichlorobenzene-d4	7.416	152	37623	30.00	ug/l		-0.01
System Monitoring Compounds							
36) Dibromofluoromethane	4.230	111	33605	29.62	ug/l		-0.02
Spiked Amount 30.000			Recovery = 98.73%				
38) 1,2-Dichloroethane-d4	4.435	67	23356	29.20	ug/l		-0.01
Spiked Amount 30.000			Recovery = 97.33%				
65) Toluene-d8	5.439	98	119368	27.92	ug/l		-0.01
Spiked Amount 30.000			Recovery = 93.07%				
75) Bromofluorobenzene	6.785	174	30108	29.22	ug/l		-0.01
Spiked Amount 30.000			Recovery = 97.40%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.454	51	24547	9.52	ug/l		92
6) Dichlorodifluoromethane	1.437	85	16154	10.77	ug/l		88
7) Chloromethane	1.592	50	22888	14.81	ug/l		79
8) Bromomethane	1.926	94	8442	10.09	ug/l		96
9) Vinyl Chloride	1.661	62	16794	14.70	ug/l		93
10) Chloroethane	2.001	64	10136	14.11	ug/l		96
11) Trichlorofluoromethane	2.191	101	12492	13.58	ug/l		85
12) Ethyl ether	2.409	59	21194	19.41	ug/l		83
13) Furan	2.433	39	71699	18.14	ug/l		75
14) 1,1,2-Trichloro-1,2,2-...	2.595	101	9875	13.20	ug/l		90
15) Methylene Chloride	2.938	84	23663	16.45	ug/l		75
16) Acrolein	2.487	56	19486	90.12	ug/l		99
17) Acrylonitrile	3.112	53	10119	17.74	ug/l		94
18) Iodomethane	2.704	142	18821	12.75	ug/l		85
19) Acetone	2.601	43	54996	91.49	ug/l		97
20) Carbon Disulfide	2.770	76	63458	25.07	ug/l		100
21) t-Butyl Alcohol	3.010	59	9214	91.41	ug/l		92
22) n-Hexane	3.389	57	17475	14.47	ug/l		92
23) Di-isopropyl-ether	3.545	45	111589	19.60	ug/l		96
24) 1,1-Dichloroethene	2.589	61	30513	13.94	ug/l		94
25) Methyl Acetate	2.860	43	28355	16.98	ug/l		100
26) Methyl-t-butyl ether	3.166	73	51794	19.28	ug/l		76
27) 1,1-Dichloroethane	3.491	63	42707	16.27	ug/l		97
28) trans-1,2-Dichloroethene	3.166	96	17467	15.79	ug/l		90
29) cis-1,2-Dichloroethene	3.930	61	42725	16.68	ug/l		95
30) Bromochloromethane	4.080	49	27330	17.88	ug/l	#	53
31) 2,2-Dichloropropane	3.936	77	18812	12.93	ug/l		98
32) Ethyl acetate	3.966	43	39908	19.90	ug/l		88
33) 1,4-Dioxane	4.994	88	10461	1010.46	ug/l		58
34) 1,1-Dichloropropene	4.357	75	26477	16.51	ug/l		94
35) Chloroform	4.134	83	37665	17.42	ug/l		84
37) Cyclohexane	4.309	56	28165	15.51	ug/l		75
39) 1,2-Dichloroethane	4.477	62	37255	19.37	ug/l		90
40) 2-Butanone	3.924	43	14257	19.90	ug/l		86
41) 1,1,1-Trichloroethane	4.266	97	23278	16.00	ug/l		97
42) Carbon Tetrachloride	4.369	117	16447	15.28	ug/l		99
43) Vinyl Acetate	3.515	43	54380	14.80	ug/l		100
44) Bromodichloromethane	5.066	83	28530	18.16	ug/l		89
45) Methylcyclohexane	4.934	83	17306	15.60	ug/l		81
46) Dibromomethane	5.000	174	10209	18.30	ug/l		95
47) 1,2-Dichloropropane	4.934	63	25679	19.01	ug/l		95
48) Trichloroethene	4.820	130	15920	16.41	ug/l		86
49) Benzene	4.477	78	82907	18.35	ug/l		100
50) tert-Amyl methyl ether	4.531	73	60492	21.73	ug/l		67
52) Iso-propylacetate	4.489	43	67734	19.84	ug/l		87
53) Methyl methacrylate	4.970	41	36799	16.94	ug/l		84
54) Dibromochloromethane	5.877	129	17890	15.95	ug/l		99
55) 2-Chloroethylvinylether	5.204	63	16117	14.90	ug/l		75
56) cis-1,3-Dichloropropene	5.294	75	32806	14.90	ug/l		89
57) trans-1,3-Dichloropropene	5.565	75	25915	13.50	ug/l		97
58) Ethyl methacrylate	5.595	41	40065	17.73	ug/l		94
59) 1,1,2-Trichloroethane	5.667	97	17705	16.47	ug/l		93
60) 1,2-Dibromoethane	5.944	107	17286	16.18	ug/l		92
61) 1,3-Dichloropropane	5.751	76	34241	17.53	ug/l		94
62) 4-Methyl-2-Pentanone	5.361	43	36465	15.47	ug/l		94
63) 2-Hexanone	5.775	43	24729	16.40	ug/l		94
64) Tetrachloroethene	5.763	164	10351	13.55	ug/l		99
66) Toluene	5.475	92	45024	15.59	ug/l		92
67) 1,1,1,2-Tetrachloroethane	6.226	133	14152	16.45	ug/l		59

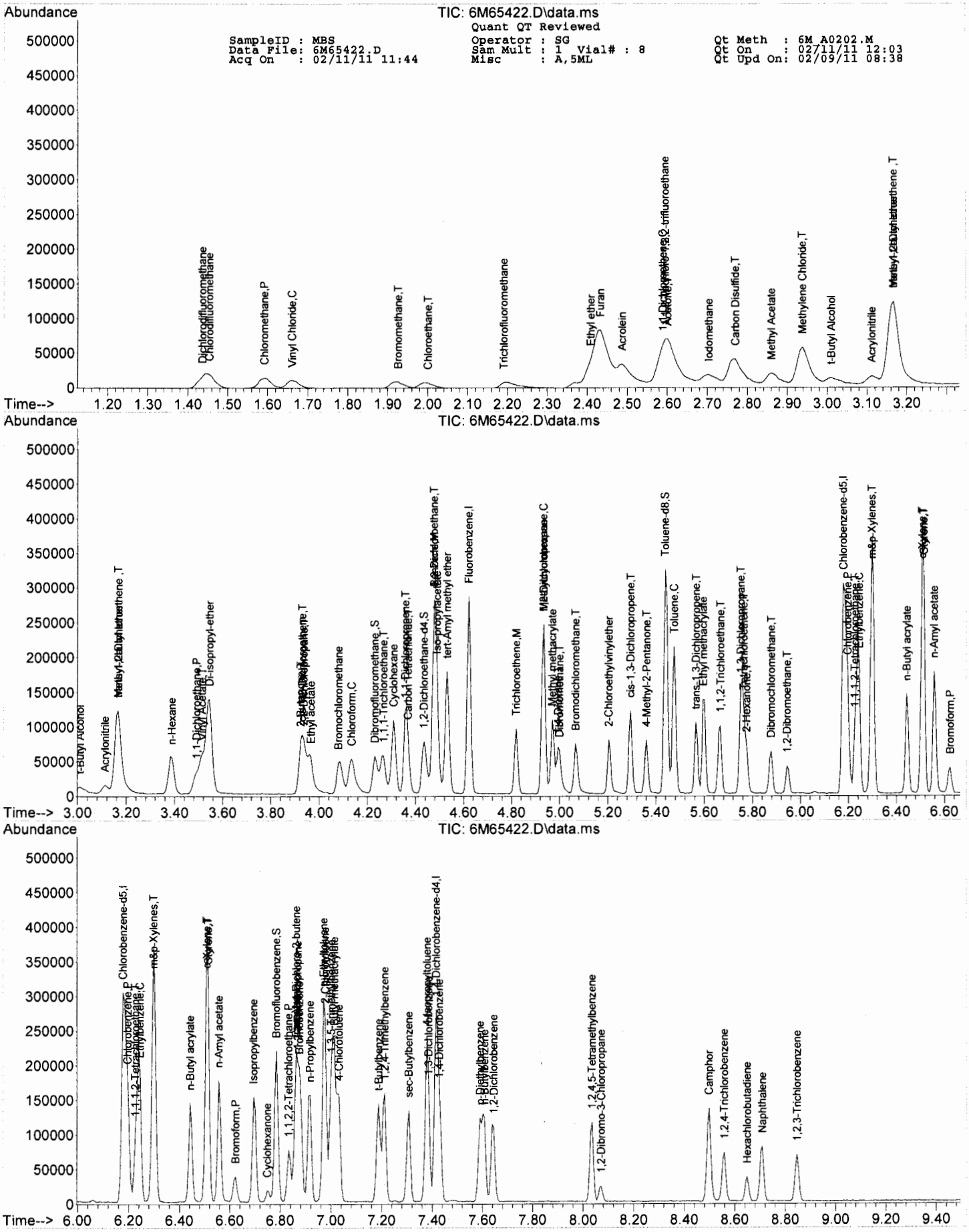
Quantitation Report (QT Reviewed)

SampleID : MBS Operator : SG Qt Meth : 6M_A0202.M
Data File: 6M65422.D Sam Mult : 1 Vial# : 8 Qt On : 02/11/11 12:03
Acq On : 02/11/11 11:44 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-11-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.196	112	44682	15.36	ug/l	97
70)	n-Butyl acrylate	6.443	55	54915	17.44	ug/l	92
71)	n-Amyl acetate	6.557	43	66046	19.19	ug/l	95
72)	Bromoform	6.623	173	10457	15.32	ug/l	99
73)	Ethylbenzene	6.244	106	21008	16.13	ug/l	96
74)	1,1,2,2-Tetrachloroethane	6.833	83	25593	17.44	ug/l	91
76)	Styrene	6.515	104	48080	18.24	ug/l	96
77)	m&p-Xylenes	6.298	106	53071	35.70	ug/l	97
78)	o-Xylene	6.509	106	27493	19.13	ug/l	84
79)	trans-1,4-Dichloro-2-b...	6.863	53	11312	16.74	ug/l	85
80)	1,3-Dichlorobenzene	7.386	146	28752	17.00	ug/l	92
81)	1,4-Dichlorobenzene	7.428	146	28822	15.22	ug/l	94
82)	1,2-Dichlorobenzene	7.645	146	27046	15.53	ug/l	95
83)	Isopropylbenzene	6.695	105	57586	15.62	ug/l	99
84)	Cyclohexanone	6.749	55	4651	84.28	ug/l	87
85)	Camphene	6.863	93	17372	16.12	ug/l	90
86)	1,2,3-Trichloropropane	6.869	75	30466	18.44	ug/l	80
87)	2-Chlorotoluene	6.978	91	55168	16.07	ug/l	94
88)	p-Ethyltoluene	6.972	105	67152	15.82	ug/l	75
89)	4-Chlorotoluene	7.032	91	53192	15.90	ug/l	95
90)	n-Propylbenzene	6.917	91	79715	16.31	ug/l	94
91)	Bromobenzene	6.875	77	52740	17.82	ug/l	83
92)	1,3,5-Trimethylbenzene	7.002	105	48686	17.13	ug/l	90
93)	Butyl methacrylate	7.014	41	55448	20.79	ug/l	94
94)	t-Butylbenzene	7.188	119	40464	15.61	ug/l	90
95)	1,2,4-Trimethylbenzene	7.212	105	53596	17.63	ug/l	93
96)	sec-Butylbenzene	7.308	105	55155	16.10	ug/l	91
97)	4-Isopropyltoluene	7.380	119	41568	15.76	ug/l	94
98)	n-Butylbenzene	7.609	91	52636	16.97	ug/l	90
99)	p-Diethylbenzene	7.591	119	20883	14.60	ug/l	97
100)	1,2,4,5-Tetramethylben...	8.036	119	37072	13.99	ug/l	95
101)	1,2-Dibromo-3-Chloropr...	8.072	157	3020	13.38	ug/l	97
102)	Camphor	8.498	95	17980	191.87	ug/l	98
103)	Hexachlorobutadiene	8.649	225	3958	12.35	ug/l	97
104)	1,2,4-Trichlorobenzene	8.558	180	12293	13.53	ug/l	98
105)	1,2,3-Trichlorobenzene	8.847	180	11728	14.16	ug/l	97
106)	Naphthalene	8.709	128	39480	15.08	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : MBS
Data File: 6M65422.D
Acq On : 02/11/11 11:44
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/11/11 12:03
Qt Upd On: 02/09/11 08:38
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 6M65422.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Di-isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->

Abundance
TIC: 6M65422.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data
QC Batch: MBS6024

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65527.D	MBS6024	2/15/2011 3:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	23.19	0	20	116	21	137
1,1-Dichloroethene	1	15.34	0	20	77	21	133
1,1-Dichloroethane	1	23.44	0	20	117	44	134
Chloroform	1	24.81	0	20	124	40	148
1,2-Dichloroethane	1	26.36	0	20	132	43	144
2-Butanone	1	27.17	0	20	136	25	157
Carbon Tetrachloride	1	26.91	0	20	135	42	146
Trichloroethene	1	24.34	0	20	122	46	127
Benzene	1	25.4	0	20	127	49	135
Tetrachloroethene	1	22.75	0	20	114	42	138
Toluene	1	22.16	0	20	111	53	129
Chlorobenzene	1	21.75	0	20	109	51	129
1,4-Dichlorobenzene	1	19.66	0	20	98	45	128
1,2-Dichlorobenzene	1	19.53	0	20	98	50	126
n-Propylbenzene	1	20.16	0	20	101	45	135
sec-Butylbenzene	1	19.7	0	20	98	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.616	96	176000	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.173	117	118350	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.411	152	56504	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.219	111	52593	32.78	ug/l	-0.03
Spiked Amount 30.000			Recovery = 109.27%			
38) 1,2-Dichloroethane-d4	4.424	67	34336	30.35	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.17%			
65) Toluene-d8	5.434	98	167175	28.54	ug/l	-0.02
Spiked Amount 30.000			Recovery = 95.13%			
75) Bromofluorobenzene	6.780	174	45351	29.30	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.430	51	54627	14.98	ug/l	80
6) Dichlorodifluoromethane	1.424	85	41239	19.44	ug/l	88
7) Chloromethane	1.562	50	51492	23.57	ug/l	78
8) Bromomethane	1.908	94	21840	18.41	ug/l	86
9) Vinyl Chloride	1.649	62	37468	23.19	ug/l	99
10) Chloroethane	1.983	64	22531	22.18	ug/l	99
11) Trichlorofluoromethane	2.190	101	43165	33.18	ug/l	86
12) Ethyl ether	2.392	59	34707	22.48	ug/l	93
13) Furan	2.422	39	105392	18.85	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.572	101	19775	18.69	ug/l	91
15) Methylene Chloride	2.927	84	40322	19.82	ug/l	76
16) Acrolein	2.482	56	25127	82.18	ug/l	92
17) Acrylonitrile	3.101	53	15550	19.28	ug/l	98
18) Iodomethane	2.692	142	49555	33.09	ug/l	90
19) Acetone	2.596	43	67010	78.83	ug/l	98
20) Carbon Disulfide	2.753	76	119875	32.99	ug/l	100
21) t-Butyl Alcohol	2.999	59	15522	108.89	ug/l	94
22) n-Hexane	3.372	57	34199	20.02	ug/l	96
23) Di-isopropyl-ether	3.528	45	203688	25.30	ug/l	96
24) 1,1-Dichloroethene	2.572	61	47489	15.34	ug/l	89
25) Methyl Acetate	2.843	43	48469	20.52	ug/l	100
26) Methyl-t-butyl ether	3.149	73	93004	24.48	ug/l	81
27) 1,1-Dichloroethane	3.474	63	86975	23.44	ug/l	100
28) trans-1,2-Dichloroethene	3.149	96	39456	25.22	ug/l	91
29) cis-1,2-Dichloroethene	3.913	61	81586	22.53	ug/l	97
30) Bromochloromethane	4.069	49	54393m	25.17	ug/l	
31) 2,2-Dichloropropane	3.919	77	51235	24.89	ug/l	92
32) Ethyl acetate	3.955	43	56707	20.00	ug/l	90
33) 1,4-Dioxane	4.989	88	17180	1173.48	ug/l	60
34) 1,1-Dichloropropene	4.346	75	56259	24.80	ug/l	97
35) Chloroform	4.117	83	75844	24.81	ug/l	87
37) Cyclohexane	4.297	56	58787	22.89	ug/l	78
39) 1,2-Dichloroethane	4.466	62	71710	26.36	ug/l	98
40) 2-Butanone	3.913	43	27528	27.17	ug/l	89
41) 1,1,1-Trichloroethane	4.249	97	52745	25.63	ug/l	98
42) Carbon Tetrachloride	4.358	117	40960	26.91	ug/l	95
43) Vinyl Acetate	3.504	43	134811	25.94	ug/l	100
44) Bromodichloromethane	5.055	83	55581	25.02	ug/l	91
45) Methylcyclohexane	4.923	83	34640	22.08	ug/l	80
46) Dibromomethane	4.983	174	24615	31.20	ug/l	90
47) 1,2-Dichloropropane	4.923	63	47402	24.81	ug/l	96
48) Trichloroethene	4.808	130	33381	24.34	ug/l	90
49) Benzene	4.466	78	162269	25.40	ug/l	100
50) tert-Amyl methyl ether	4.526	73	93048	23.63	ug/l	79
52) Iso-propylacetate	4.478	43	97675	20.88	ug/l	90
53) Methyl methacrylate	4.965	41	56543	19.00	ug/l	84
54) Dibromochloromethane	5.866	129	35341	23.00	ug/l	94
55) 2-Chloroethylvinylether	5.199	63	27028	18.24	ug/l	75
56) cis-1,3-Dichloropropene	5.283	75	63154	20.94	ug/l	92
57) trans-1,3-Dichloropropene	5.560	75	54949	20.89	ug/l	97
58) Ethyl methacrylate	5.590	41	58090	18.77	ug/l	96
59) 1,1,2-Trichloroethane	5.656	97	32064	21.77	ug/l	93
60) 1,2-Dibromoethane	5.939	107	33554	22.92	ug/l	96
61) 1,3-Dichloropropane	5.746	76	63321	23.66	ug/l	98
62) 4-Methyl-2-Pentanone	5.355	43	59669	18.47	ug/l	96
63) 2-Hexanone	5.770	43	42279	20.46	ug/l	95
64) Tetrachloroethene	5.758	164	23810	22.75	ug/l	90
66) Toluene	5.470	92	87685	22.16	ug/l	90
67) 1,1,1,2-Tetrachloroethane	6.221	133	28369	24.07	ug/l	66

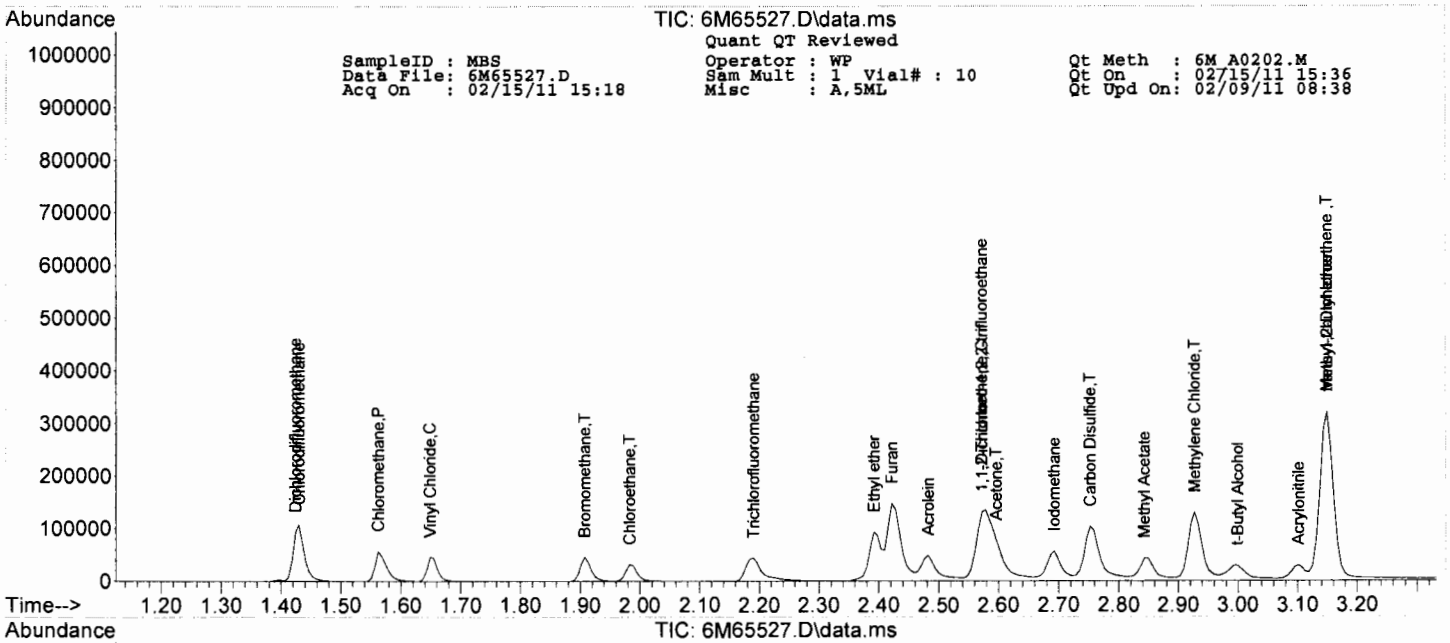
Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68)	Chlorobenzene	6.191	112	86658	21.75 ug/l	97
70)	n-Butyl acrylate	6.437	55	75544	15.98 ug/l	93
71)	n-Amyl acetate	6.552	43	92997	17.99 ug/l	95
72)	Bromoform	6.612	173	20316	19.82 ug/l	97
73)	Ethylbenzene	6.233	106	40024	20.46 ug/l	96
74)	1,1,2,2-Tetrachloroethane	6.828	83	43271	19.64 ug/l	93
76)	Styrene	6.504	104	92313	23.32 ug/l	95
77)	m&p-Xylenes	6.293	106	106278	47.61 ug/l	97
78)	o-Xylene	6.504	106	51765	23.98 ug/l	85
79)	trans-1,4-Dichloro-2-b...	6.852	53	23971	23.62 ug/l	61
80)	1,3-Dichlorobenzene	7.375	146	55217	21.74 ug/l	93
81)	1,4-Dichlorobenzene	7.423	146	55907	19.66 ug/l	95
82)	1,2-Dichlorobenzene	7.634	146	51102	19.53 ug/l	95
83)	Isopropylbenzene	6.690	105	110108	19.89 ug/l	99
84)	Cyclohexanone	6.744	55	6050	73.00 ug/l	85
85)	Camphene	6.852	93	31844	19.67 ug/l	92
86)	1,2,3-Trichloropropane	6.864	75	52458	21.14 ug/l	81
87)	2-Chlorotoluene	6.966	91	110992	21.53 ug/l	94
88)	p-Ethyltoluene	6.966	105	125583	19.70 ug/l	77
89)	4-Chlorotoluene	7.021	91	103512	20.60 ug/l	94
90)	n-Propylbenzene	6.906	91	147992	20.16 ug/l	96
91)	Bromobenzene	6.870	77	94985	21.36 ug/l	86
92)	1,3,5-Trimethylbenzene	6.997	105	96524	22.62 ug/l	94
93)	Butyl methacrylate	7.009	41	82750	20.66 ug/l	97
94)	t-Butylbenzene	7.183	119	78680	20.21 ug/l	88
95)	1,2,4-Trimethylbenzene	7.201	105	103336	22.63 ug/l	95
96)	sec-Butylbenzene	7.297	105	101360	19.70 ug/l	93
97)	4-Isopropyltoluene	7.369	119	78512	19.83 ug/l	93
98)	n-Butylbenzene	7.598	91	94859	20.37 ug/l	87
99)	p-Diethylbenzene	7.586	119	38162	17.76 ug/l	95
100)	1,2,4,5-Tetramethylben...	8.024	119	62535	15.72 ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.066	157	5347	15.77 ug/l	91
102)	Camphor	8.493	95	25797	183.30 ug/l	97
103)	Hexachlorobutadiene	8.644	225	8291	17.23 ug/l	98
104)	1,2,4-Trichlorobenzene	8.547	180	26524	19.44 ug/l	96
105)	1,2,3-Trichlorobenzene	8.842	180	20926	16.83 ug/l	97
106)	Naphthalene	8.698	128	64767	16.47 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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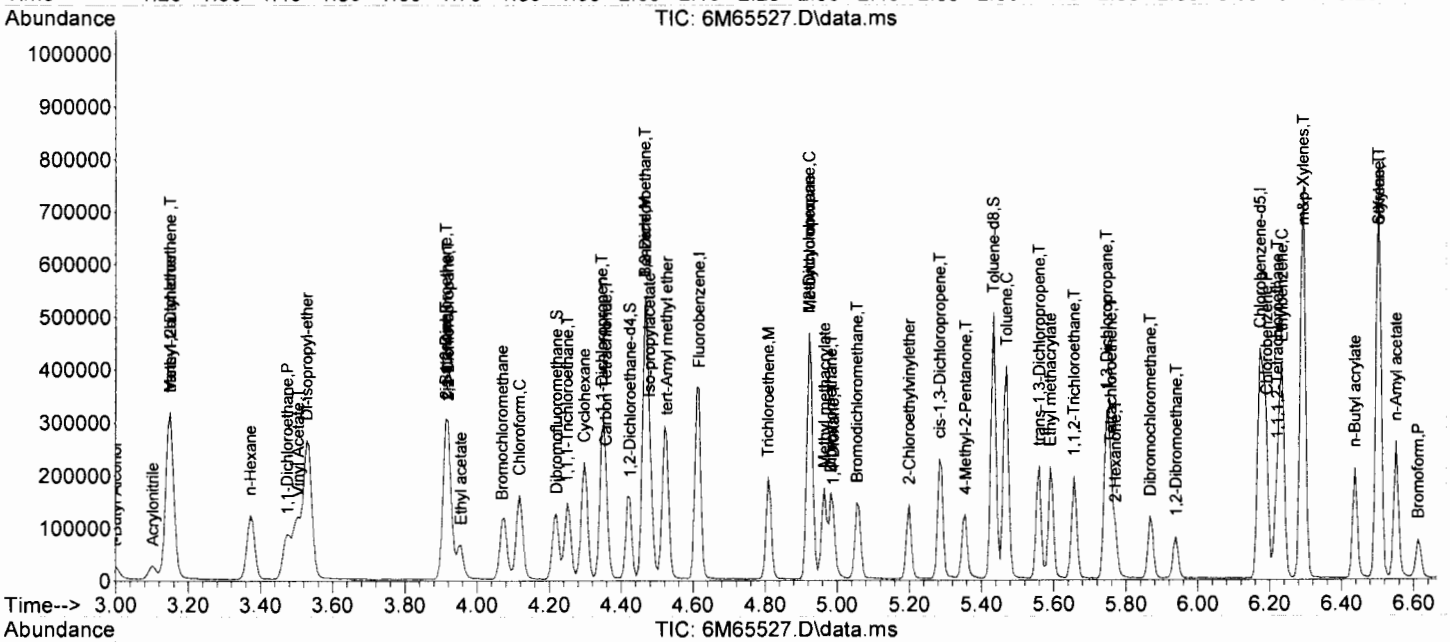
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
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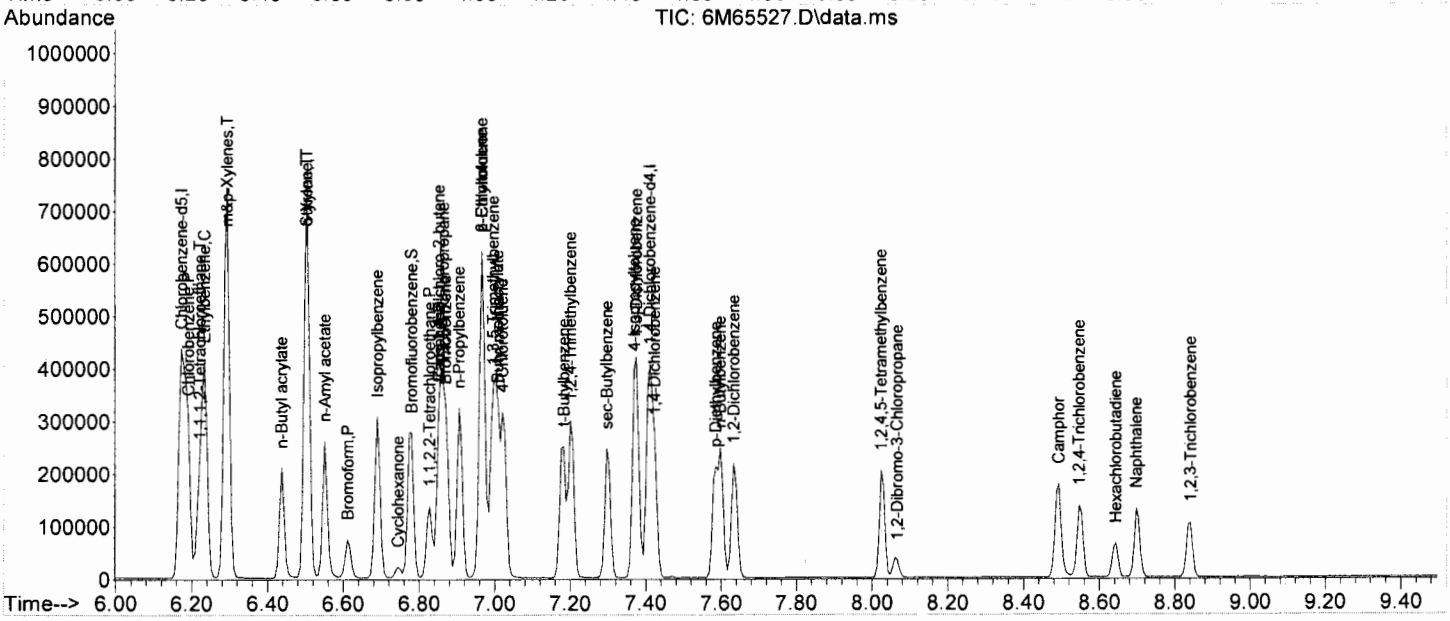
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate
Di-Isopropyl-ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Time-->


Abundance
TIC: 6M65527.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data
QC Batch: MBS6024

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M65527.D	MBS6024	2/15/2011 3:18:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		
Method: 8260	Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	23.19	0	20	116	21	137
1,1-Dichloroethene	1	15.34	0	20	77	21	133
1,1-Dichloroethane	1	23.44	0	20	117	44	134
Chloroform	1	24.81	0	20	124	40	148
1,2-Dichloroethane	1	26.36	0	20	132	43	144
2-Butanone	1	27.17	0	20	136	25	157
Carbon Tetrachloride	1	26.91	0	20	135	42	146
Trichloroethene	1	24.34	0	20	122	46	127
Benzene	1	25.4	0	20	127	49	135
Tetrachloroethene	1	22.75	0	20	114	42	138
Toluene	1	22.16	0	20	111	53	129
Chlorobenzene	1	21.75	0	20	109	51	129
1,4-Dichlorobenzene	1	19.66	0	20	98	45	128
1,2-Dichlorobenzene	1	19.53	0	20	98	50	126
n-Propylbenzene	1	20.16	0	20	101	45	135
sec-Butylbenzene	1	19.7	0	20	98	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18

Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML

Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.616	96	176000	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.173	117	118350	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.411	152	56504	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.219	111	52593	32.78	ug/l	-0.03
Spiked Amount 30.000			Recovery =	109.27%		
38) 1,2-Dichloroethane-d4	4.424	67	34336	30.35	ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.17%		
65) Toluene-d8	5.434	98	167175	28.54	ug/l	-0.02
Spiked Amount 30.000			Recovery =	95.13%		
75) Bromofluorobenzene	6.780	174	45351	29.30	ug/l	-0.02
Spiked Amount 30.000			Recovery =	97.67%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.430	51	54627	14.98	ug/l	80
6) Dichlorodifluoromethane	1.424	85	41239	19.44	ug/l	88
7) Chloromethane	1.562	50	51492	23.57	ug/l	78
8) Bromomethane	1.908	94	21840	18.41	ug/l	86
9) Vinyl Chloride	1.649	62	37468	23.19	ug/l	99
10) Chloroethane	1.983	64	22531	22.18	ug/l	99
11) Trichlorofluoromethane	2.190	101	43165	33.18	ug/l	86
12) Ethyl ether	2.392	59	34707	22.48	ug/l	93
13) Furan	2.422	39	105392	18.85	ug/l	76
14) 1,1,2-Trichloro-1,2,2-...	2.572	101	19775	18.69	ug/l	91
15) Methylene Chloride	2.927	84	40322	19.82	ug/l	76
16) Acrolein	2.482	56	25127	82.18	ug/l	92
17) Acrylonitrile	3.101	53	15550	19.28	ug/l	98
18) Iodomethane	2.692	142	49555	33.09	ug/l	90
19) Acetone	2.596	43	67010	78.83	ug/l	98
20) Carbon Disulfide	2.753	76	119875	32.99	ug/l	100
21) t-Butyl Alcohol	2.999	59	15522	108.89	ug/l	94
22) n-Hexane	3.372	57	34199	20.02	ug/l	96
23) Di-isopropyl-ether	3.528	45	203688	25.30	ug/l	96
24) 1,1-Dichloroethene	2.572	61	47489	15.34	ug/l	89
25) Methyl Acetate	2.843	43	48469	20.52	ug/l	100
26) Methyl-t-butyl ether	3.149	73	93004	24.48	ug/l	81
27) 1,1-Dichloroethane	3.474	63	86975	23.44	ug/l	100
28) trans-1,2-Dichloroethene	3.149	96	39456	25.22	ug/l	91
29) cis-1,2-Dichloroethene	3.913	61	81586	22.53	ug/l	97
30) Bromochloromethane	4.069	49	54393m	25.17	ug/l	
31) 2,2-Dichloropropane	3.919	77	51235	24.89	ug/l	92
32) Ethyl acetate	3.955	43	56707	20.00	ug/l	90
33) 1,4-Dioxane	4.989	88	17180	1173.48	ug/l	60
34) 1,1-Dichloropropene	4.346	75	56259	24.80	ug/l	97
35) Chloroform	4.117	83	75844	24.81	ug/l	87
37) Cyclohexane	4.297	56	58787	22.89	ug/l	78
39) 1,2-Dichloroethane	4.466	62	71710	26.36	ug/l	98
40) 2-Butanone	3.913	43	27528	27.17	ug/l	89
41) 1,1,1-Trichloroethane	4.249	97	52745	25.63	ug/l	98
42) Carbon Tetrachloride	4.358	117	40960	26.91	ug/l	95
43) Vinyl Acetate	3.504	43	134811	25.94	ug/l	100
44) Bromodichloromethane	5.055	83	55581	25.02	ug/l	91
45) Methylcyclohexane	4.923	83	34640	22.08	ug/l	80
46) Dibromomethane	4.983	174	24615	31.20	ug/l	90
47) 1,2-Dichloropropane	4.923	63	47402	24.81	ug/l	96
48) Trichloroethene	4.808	130	33381	24.34	ug/l	90
49) Benzene	4.466	78	162269	25.40	ug/l	100
50) tert-Amyl methyl ether	4.526	73	93048	23.63	ug/l	79
52) Iso-propylacetate	4.478	43	97675	20.88	ug/l	90
53) Methyl methacrylate	4.965	41	56543	19.00	ug/l	84
54) Dibromochloromethane	5.866	129	35341	23.00	ug/l	94
55) 2-Chloroethylvinylether	5.199	63	27028	18.24	ug/l	75
56) cis-1,3-Dichloropropene	5.283	75	63154	20.94	ug/l	92
57) trans-1,3-Dichloropropene	5.560	75	54949	20.89	ug/l	97
58) Ethyl methacrylate	5.590	41	58090	18.77	ug/l	96
59) 1,1,2-Trichloroethane	5.656	97	32064	21.77	ug/l	93
60) 1,2-Dibromoethane	5.939	107	33554	22.92	ug/l	96
61) 1,3-Dichloropropane	5.746	76	63321	23.66	ug/l	98
62) 4-Methyl-2-Pentanone	5.355	43	59669	18.47	ug/l	96
63) 2-Hexanone	5.770	43	42279	20.46	ug/l	95
64) Tetrachloroethene	5.758	164	23810	22.75	ug/l	90
66) Toluene	5.470	92	87685	22.16	ug/l	90
67) 1,1,1,2-Tetrachloroethane	6.221	133	28369	24.07	ug/l	66

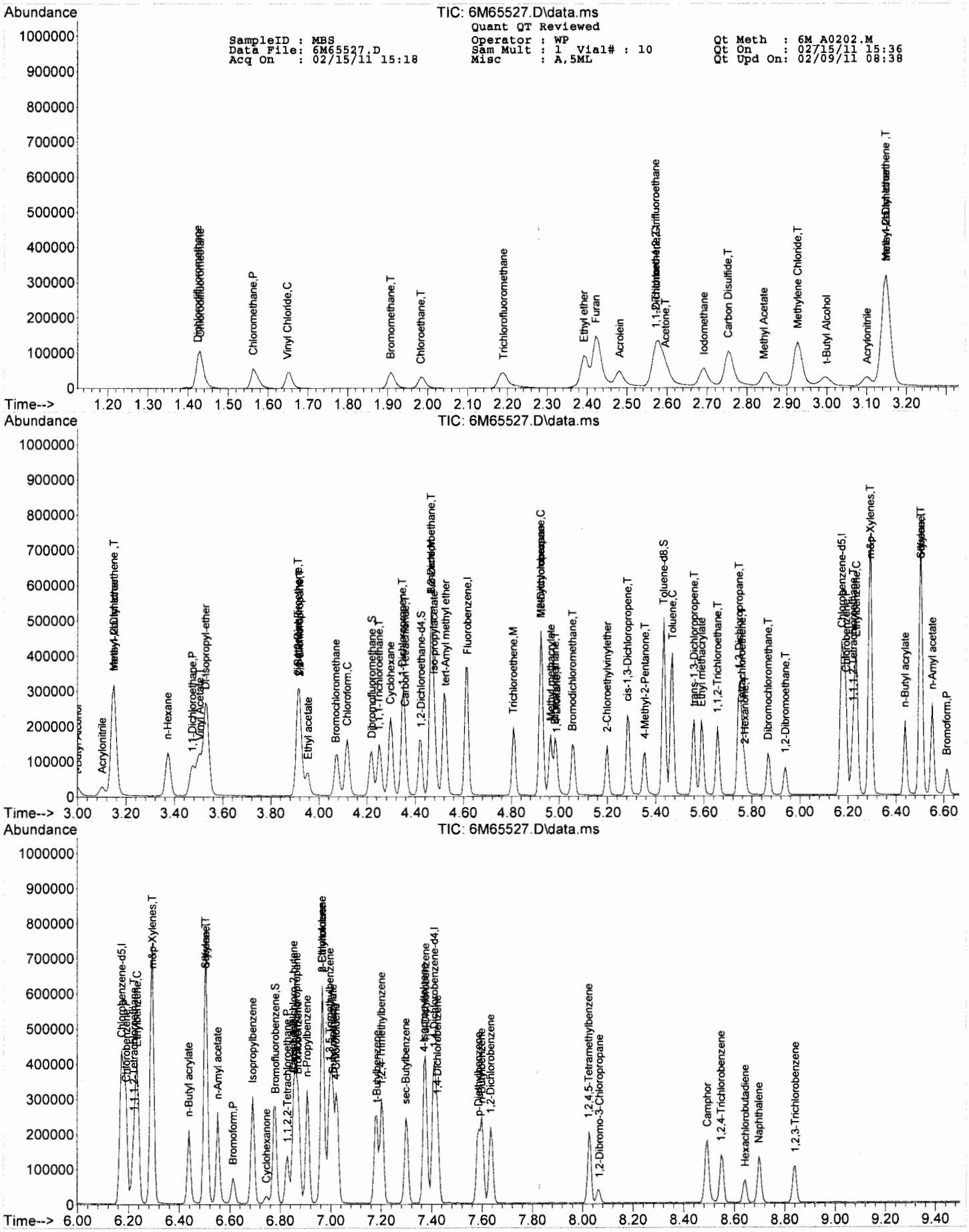
Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.191	112	86658	21.75	ug/l	97
70)	n-Butyl acrylate	6.437	55	75544	15.98	ug/l	93
71)	n-Amyl acetate	6.552	43	92997	17.99	ug/l	95
72)	Bromoform	6.612	173	20316	19.82	ug/l	97
73)	Ethylbenzene	6.233	106	40024	20.46	ug/l	96
74)	1,1,2,2-Tetrachloroethane	6.828	83	43271	19.64	ug/l	93
76)	Styrene	6.504	104	92313	23.32	ug/l	95
77)	m&p-Xylenes	6.293	106	106278	47.61	ug/l	97
78)	o-Xylene	6.504	106	51765	23.98	ug/l	85
79)	trans-1,4-Dichloro-2-b...	6.852	53	23971	23.62	ug/l	61
80)	1,3-Dichlorobenzene	7.375	146	55217	21.74	ug/l	93
81)	1,4-Dichlorobenzene	7.423	146	55907	19.66	ug/l	95
82)	1,2-Dichlorobenzene	7.634	146	51102	19.53	ug/l	95
83)	Isopropylbenzene	6.690	105	110108	19.89	ug/l	99
84)	Cyclohexanone	6.744	55	6050	73.00	ug/l	85
85)	Camphene	6.852	93	31844	19.67	ug/l	92
86)	1,2,3-Trichloropropane	6.864	75	52458	21.14	ug/l	81
87)	2-Chlorotoluene	6.966	91	110992	21.53	ug/l	94
88)	p-Ethyltoluene	6.966	105	125583	19.70	ug/l	77
89)	4-Chlorotoluene	7.021	91	103512	20.60	ug/l	94
90)	n-Propylbenzene	6.906	91	147992	20.16	ug/l	96
91)	Bromobenzene	6.870	77	94985	21.36	ug/l	86
92)	1,3,5-Trimethylbenzene	6.997	105	96524	22.62	ug/l	94
93)	Butyl methacrylate	7.009	41	82750	20.66	ug/l	97
94)	t-Butylbenzene	7.183	119	78680	20.21	ug/l	88
95)	1,2,4-Trimethylbenzene	7.201	105	103336	22.63	ug/l	95
96)	sec-Butylbenzene	7.297	105	101360	19.70	ug/l	93
97)	4-Isopropyltoluene	7.369	119	78512	19.83	ug/l	93
98)	n-Butylbenzene	7.598	91	94859	20.37	ug/l	87
99)	p-Diethylbenzene	7.586	119	38162	17.76	ug/l	95
100)	1,2,4,5-Tetramethylben...	8.024	119	62535	15.72	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.066	157	5347	15.77	ug/l	91
102)	Camphor	8.493	95	25797	183.30	ug/l	97
103)	Hexachlorobutadiene	8.644	225	8291	17.23	ug/l	98
104)	1,2,4-Trichlorobenzene	8.547	180	26524	19.44	ug/l	96
105)	1,2,3-Trichlorobenzene	8.842	180	20926	16.83	ug/l	97
106)	Naphthalene	8.698	128	64767	16.47	ug/l	100

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


Abundance
TIC: 6M65527.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 6M65527.D
Acq On : 02/15/11 15:18
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/15/11 15:36
Qt Upd On: 02/09/11 08:38
Time-->

Form3
Recovery Data
QC Batch: MBS6133

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88293.D	MBS6133	2/25/2011 9:25:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	12.31	0	20	62	21	137
1,1-Dichloroethene	1	23.38	0	20	117	21	133
1,1-Dichloroethane	1	21.35	0	20	107	44	134
Chloroform	1	21.04	0	20	105	40	148
1,2-Dichloroethane	1	22.85	0	20	114	43	144
2-Butanone	1	19.44	0	20	97	25	157
Carbon Tetrachloride	1	19.12	0	20	96	42	146
Trichloroethene	1	21.27	0	20	106	46	127
Benzene	1	22.44	0	20	112	49	135
Tetrachloroethene	1	19.63	0	20	98	42	138
Toluene	1	21.1	0	20	106	53	129
Chlorobenzene	1	21.11	0	20	106	51	129
1,4-Dichlorobenzene	1	19.96	0	20	100	45	128
1,2-Dichlorobenzene	1	20.27	0	20	101	50	126
n-Propylbenzene	1	18.32	0	20	92	45	135
sec-Butylbenzene	1	16.27	0	20	81	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88293.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 09:35
Acq On : 02/25/11 09:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.585	96	178744	30.00	ug/l	0.04
48) Chlorobenzene-d5	6.419	117	158406	30.00	ug/l	0.04
63) 1,4-Dichlorobenzene-d4	7.844	152	105581	30.00	ug/l	0.04
System Monitoring Compounds						
33) Dibromofluoromethane	4.146	111	45808	30.40	ug/l	0.04
Spiked Amount 30.000			Recovery = 101.33%			
35) 1,2-Dichloroethane-d4	4.381	102	10568	30.78	ug/l	0.04
Spiked Amount 30.000			Recovery = 102.60%			
59) Toluene-d8	5.547	100	129996	29.75	ug/l	0.03
Spiked Amount 30.000			Recovery = 99.17%			
67) Bromofluorobenzene	7.123	174	86538	27.49	ug/l	0.04
Spiked Amount 30.000			Recovery = 91.63%			
Target Compounds						Qvalue
6) Dichlorodifluoromethane	1.277	85	15716	13.79	ug/l	91
7) Chloromethane	1.411	50	19784	13.54	ug/l	85
8) Bromomethane	1.726	94	6559	18.85	ug/l	98
9) Vinyl Chloride	1.494	62	11179	12.31	ug/l	98
10) Chloroethane	1.810	66	1974	20.24	ug/l	56
11) Trichlorofluoromethane	1.992	101	12094	17.65	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.378	101	11563	25.61	ug/l	89
13) Methylene Chloride	2.763	84	28493	22.88	ug/l	90
14) Acrolein	2.324	56	8867	119.53	ug/l	95
15) Acrylonitrile	2.967	53	14872	25.01	ug/l	81
16) Iodomethane	2.510	142	36696	21.96	ug/l	96
17) Acetone	2.438	43	67399	109.51	ug/l	96
18) Carbon Disulfide	2.559	76	68679	19.17	ug/l	100
19) t-Butyl Alcohol	2.859	59	9627	82.89	ug/l	69
20) n-Hexane	3.178	57	12611	15.88	ug/l	80
21) Di-isopropyl-ether	3.358	45	133647	23.75	ug/l	77
22) 1,1-Dichloroethene	2.384	61	41337	23.38	ug/l	88
23) Methyl Acetate	2.685	43	39342	21.09	ug/l	100
24) Methyl-t-butyl ether	2.980	73	50352	22.83	ug/l	87
25) 1,1-Dichloroethane	3.322	63	55100	21.35	ug/l	100
26) trans-1,2-Dichloroethene	2.974	96	21691	25.31	ug/l	94
27) cis-1,2-Dichloroethene	3.797	61	51211	21.04	ug/l	85
28) Bromochloromethane	3.978	49	40131	21.52	ug/l	87
29) 2,2-Dichloropropane	3.797	77	25295	20.16	ug/l	94
30) 1,4-Dioxane	5.036	88	20137	1103.52	ug/l	66
31) 1,1-Dichloropropene	4.272	75	39660	21.20	ug/l	96
32) Chloroform	4.032	83	47866	21.04	ug/l	100
34) Cyclohexane	4.200	56	30882	17.28	ug/l	79
36) 1,2-Dichloroethane	4.429	62	54274	22.85	ug/l	97
37) 2-Butanone	3.815	43	23625	19.44	ug/l	77
38) 1,1,1-Trichloroethane	4.164	97	32839	19.85	ug/l	99
39) Carbon Tetrachloride	4.272	117	26039	19.12	ug/l	88
40) Vinyl Acetate	3.352	43	152280	22.87	ug/l	100
41) Bromodichloromethane	5.120	83	44613	20.08	ug/l	91
42) Methylcyclohexane	4.928	83	18716	16.89	ug/l	86
43) Dibromomethane	5.030	174	31995	24.12	ug/l	94
44) 1,2-Dichloropropane	4.952	63	47066	20.97	ug/l	100
45) Trichloroethene	4.808	130	31428	21.27	ug/l	94
46) Benzene	4.411	78	127261	22.44	ug/l	100
47) tert-Amyl methyl ether	4.471	73	63166	18.04	ug/l	89
49) Dibromochloromethane	6.076	129	36104	17.39	ug/l	99
50) 2-Chloroethylvinylether	5.289	63	27742	16.90	ug/l	83
51) cis-1,3-Dichloropropene	5.385	75	54569	17.16	ug/l	93
52) trans-1,3-Dichloropropene	5.716	75	44938	15.23	ug/l	97
53) 1,1,2-Trichloroethane	5.830	97	36294	21.81	ug/l	94
54) 1,2-Dibromoethane	6.155	107	39549	19.42	ug/l	92
55) 1,3-Dichloropropane	5.932	76	69403	24.06	ug/l	94
56) 4-Methyl-2-Pentanone	5.469	43	58595	15.30	ug/l	97
57) 2-Hexanone	5.962	43	41635	14.60	ug/l	83
58) Tetrachloroethene	5.920	164	27114	19.63	ug/l	95
60) Toluene	5.589	92	80271	21.10	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.479	133	31257	22.07	ug/l	88
62) Chlorobenzene	6.437	112	95141	21.11	ug/l	99
64) Bromoform	6.942	173	28431	16.41	ug/l	97
65) Ethylbenzene	6.491	106	32848	18.95	ug/l	89
66) 1,1,2,2-Tetrachloroethane	7.195	83	56538	20.29	ug/l	82
68) Styrene	6.804	104	97087	21.21	ug/l	96
69) m&p-Xylenes	6.557	106	99243	42.58	ug/l	98
70) o-Xylene	6.798	106	53802	21.70	ug/l	87

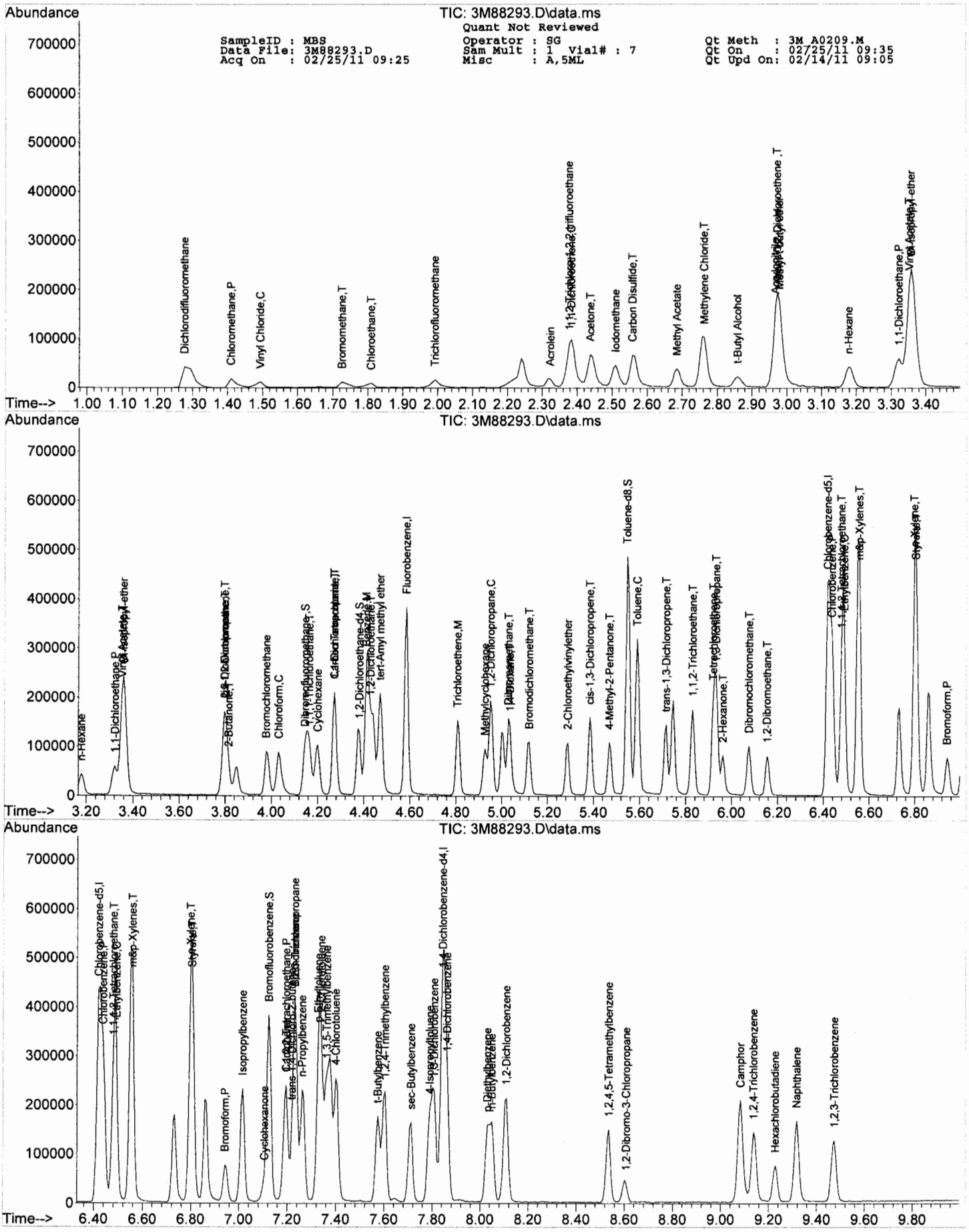
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : SG Qt Meth : 3M_A0209.M
Data File: 3M88293.D Sam Mult : 1 Vial# : 7 Qt On : 02/25/11 09:35
Acq On : 02/25/11 09:25 Misc : A,5ML Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-25-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.219	53	22999	19.21 ug/l	58
72) 1,3-Dichlorobenzene	7.808	146	74281	20.15 ug/l	99
73) 1,4-Dichlorobenzene	7.862	146	77674	19.96 ug/l	94
74) 1,2-Dichlorobenzene	8.109	146	76945	20.27 ug/l	98
75) Isopropylbenzene	7.014	105	106316	18.07 ug/l	99
76) Cyclohexanone	7.105	55	12363	64.90 ug/l	93
77) Camphene	7.195	93	21058	14.92 ug/l	98
78) 1,2,3-Trichloropropane	7.231	75	65278	17.92 ug/l	90
79) 2-Chlorotoluene	7.339	91	86360	20.42 ug/l	95
80) p-Ethyltoluene	7.327	105	123457	19.55 ug/l	99
81) 4-Chlorotoluene	7.399	91	85552	20.67 ug/l	97
82) n-Propylbenzene	7.261	91	135687	18.32 ug/l	100
83) Bromobenzene	7.231	77	108895	20.30 ug/l	87
84) 1,3,5-Trimethylbenzene	7.363	105	91151	18.76 ug/l	95
85) t-Butylbenzene	7.574	119	70525	16.93 ug/l	97
86) 1,2,4-Trimethylbenzene	7.604	105	98935	19.56 ug/l	88
87) sec-Butylbenzene	7.712	105	86279	16.27 ug/l	95
88) 4-Isopropyltoluene	7.790	119	69816	18.43 ug/l	99
89) n-Butylbenzene	8.049	91	80195	16.90 ug/l	98
90) p-Diethylbenzene	8.031	119	37014	16.37 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.536	119	64693	15.04 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	8.608	157	10492	12.63 ug/l	97
93) Camphor	9.083	95	45634	153.73 ug/l	92
94) Hexachlorobutadiene	9.227	225	14181	13.78 ug/l	98
95) 1,2,4-Trichlorobenzene	9.137	180	42678	18.66 ug/l	99
96) 1,2,3-Trichlorobenzene	9.474	180	39965	17.75 ug/l	98
97) Naphthalene	9.318	128	110165	16.66 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : MBS
Data File: 3M88293.D
Acq On : 02/25/11 09:25
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02/25/11 09:35
Qt Upd On: 02/14/11 09:05
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 3M88293.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 3M88293.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data
QC Batch: MBS6242

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88451.D	MBS6242	2/28/2011 9:04:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.18	0	20	76	21	137
1,1-Dichloroethene	1	15.09	0	20	75	21	133
1,1-Dichloroethane	1	15.23	0	20	76	44	134
Chloroform	1	17.42	0	20	87	40	148
1,2-Dichloroethane	1	16.94	0	20	85	43	144
2-Butanone	1	12.61	0	20	63	25	157
Carbon Tetrachloride	1	17.62	0	20	88	42	146
Trichloroethene	1	19.36	0	20	97	46	127
Benzene	1	18.28	0	20	91	49	135
Tetrachloroethene	1	21.33	0	20	107	42	138
Toluene	1	18.36	0	20	92	53	129
Chlorobenzene	1	19.56	0	20	98	51	129
1,4-Dichlorobenzene	1	19.84	0	20	99	45	128
1,2-Dichlorobenzene	1	19.35	0	20	97	50	126
n-Propylbenzene	1	19.08	0	20	95	45	135
sec-Butylbenzene	1	17.01	0	20	85	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M88451.D
Acq On : 02/28/11 09:04

Operator : WP
Sam Mult : 1 Vial# : 70
Misc : A,5ML

Qt Meth : 3M_A0227.M
Qt On : 02/28/11 09:23
Qt Upd On: 02/28/11 09:08

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-28-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
4) Fluorobenzene	4.584	96	279877	30.00 ug/l	0.01
51) Chlorobenzene-d5	6.417	117	243880	30.00 ug/l	0.01
69) 1,4-Dichlorobenzene-d4	7.841	152	153855	30.00 ug/l	0.01
System Monitoring Compounds					
36) Dibromofluoromethane	4.146	111	74551	29.57 ug/l	0.01
Spiked Amount 30.000			Recovery =	98.57%	
38) 1,2-Dichloroethane-d4	4.374	67	45928	29.61 ug/l	0.00
Spiked Amount 30.000			Recovery =	98.70%	
65) Toluene-d8	5.546	98	311718	29.95 ug/l	0.01
Spiked Amount 30.000			Recovery =	99.83%	
75) Bromofluorobenzene	7.120	174	137003	28.24 ug/l	0.01
Spiked Amount 30.000			Recovery =	94.13%	
Target Compounds					Qvalue
5) Chlorodifluoromethane	1.294	51	75637	18.41 ug/l	65
6) Dichlorodifluoromethane	1.294	85	24927	8.31 ug/l	84
7) Chloromethane	1.428	50	26387	10.34 ug/l	74
8) Bromomethane	1.744	94	12074	11.53 ug/l	87
9) Vinyl Chloride	1.494	62	26689	15.18 ug/l	97
10) Chloroethane	1.811	64	12761	15.49 ug/l	98
11) Trichlorofluoromethane	1.994	101	29478	15.54 ug/l	90
12) Ethyl ether	2.229	59	9470	14.93 ug/l	94
13) Furan	2.247	39	61196	13.65 ug/l	99
14) 1,1,2-Trichloro-1,2,2-...	2.379	101	22072	22.77 ug/l	97
15) Methylene Chloride	2.763	84	36244	15.36 ug/l	82
16) Acrolein	2.325	56	26576	134.76 ug/l	84
17) Acrylonitrile	2.968	53	12830	13.56 ug/l	91
18) Iodomethane	2.517	142	49619	15.10 ug/l	90
19) Acetone	2.445	43	59068	69.48 ug/l	92
20) Carbon Disulfide	2.565	76	75903	11.99 ug/l	100
21) t-Butyl Alcohol	2.860	59	10642	57.66 ug/l	96
22) n-Hexane	3.178	57	18927	18.41 ug/l	81
23) Di-isopropyl-ether	3.364	45	125796	16.61 ug/l	86
24) 1,1-Dichloroethene	2.391	61	45292	15.09 ug/l	98
25) Methyl Acetate	2.685	43	43715	17.08 ug/l	100
26) Methyl-t-butyl ether	2.974	73	62584	14.86 ug/l	80
27) 1,1-Dichloroethane	3.322	63	61044	15.23 ug/l	99
28) trans-1,2-Dichloroethene	2.980	96	31482	16.59 ug/l	91
29) cis-1,2-Dichloroethene	3.797	61	60447	17.58 ug/l	87
30) Bromochloromethane	3.977	49	42227	17.40 ug/l	82
31) 2,2-Dichloropropane	3.797	77	38916	19.07 ug/l	85
32) Ethyl acetate	3.845	43	48988	14.44 ug/l	99
33) 1,4-Dioxane	5.029	88	23494	732.65 ug/l	83
34) 1,1-Dichloropropene	4.272	75	54197	19.37 ug/l	99
35) Chloroform	4.031	83	67139	17.42 ug/l	88
37) Cyclohexane	4.200	56	40226	17.64 ug/l	94
39) 1,2-Dichloroethane	4.422	62	63934	16.94 ug/l	99
40) 2-Butanone	3.809	43	19222	12.61 ug/l	91
41) 1,1,1-Trichloroethane	4.164	97	55791	18.13 ug/l	93
42) Carbon Tetrachloride	4.272	117	44847	17.62 ug/l	98
43) Vinyl Acetate	3.358	43	108076	12.66 ug/l	100
44) Bromodichloromethane	5.113	83	56732	15.53 ug/l	89
45) Methylcyclohexane	4.927	83	32082	19.00 ug/l	98
46) Dibromomethane	5.029	174	43286	17.11 ug/l	96
47) 1,2-Dichloropropane	4.951	63	51826	17.62 ug/l	99
48) Trichloroethene	4.806	130	48111	19.36 ug/l	90
49) Benzene	4.410	78	167285	18.28 ug/l	100
50) tert-Amyl methyl ether	4.470	73	79261	16.19 ug/l	98
52) Iso-propylacetate	4.440	43	89796	14.10 ug/l	87
53) Methyl methacrylate	4.999	41	53784	15.10 ug/l	92
54) Dibromochloromethane	6.068	129	49039	15.04 ug/l	97
55) 2-Chloroethylvinylether	5.281	63	30492	15.62 ug/l	87
56) cis-1,3-Dichloropropene	5.383	75	66159	15.13 ug/l	93
57) trans-1,3-Dichloropropene	5.708	75	52453	12.81 ug/l	97
58) Ethyl methacrylate	5.738	41	58538	15.55 ug/l	82
59) 1,1,2-Trichloroethane	5.828	97	51487	18.08 ug/l	87
60) 1,2-Dibromoethane	6.153	107	53361	16.51 ug/l	83
61) 1,3-Dichloropropane	5.930	76	84828	18.54 ug/l	100
62) 4-Methyl-2-Pentanone	5.468	43	58254	13.99 ug/l	97
63) 2-Hexanone	5.960	43	42722	12.42 ug/l	99
64) Tetrachloroethene	5.918	164	44526	21.33 ug/l	89
66) Toluene	5.588	92	116937	18.36 ug/l	99
67) 1,1,1,2-Tetrachloroethane	6.477	133	46694	19.55 ug/l	69

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M88451.D
Acq On : 02/28/11 09:04

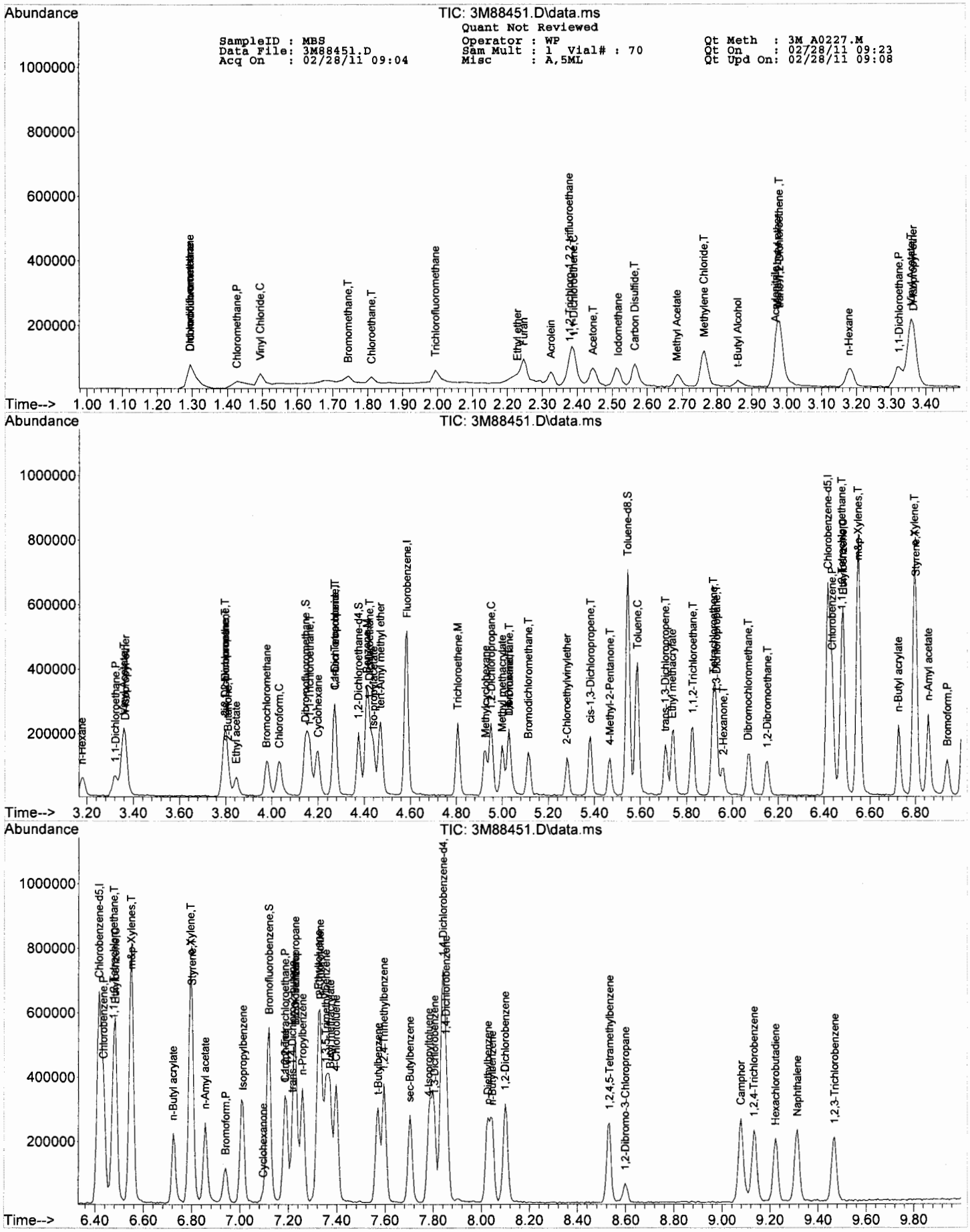
Operator : WP
Sam Mult : 1 Vial# : 70
Misc : A,5ML

Qt Meth : 3M_A0227.M
Qt On : 02/28/11 09:23
Qt Upd On: 02/28/11 09:08

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-28-11\
Qt Path : G:\GcMsData\2011\GCMS_3\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.435	112	142905	19.56	ug/l	99
70)	n-Butyl acrylate	6.723	55	97483	12.90	ug/l	96
71)	n-Amyl acetate	6.856	43	103237	12.95	ug/l	87
72)	Bromoform	6.940	173	39519	12.64	ug/l	97
73)	Ethylbenzene	6.483	106	53040	19.28	ug/l	87
74)	1,1,2,2-Tetrachloroethane	7.186	83	73928	17.40	ug/l	92
76)	Styrene	6.802	104	139380	18.94	ug/l	91
77)	m&p-Xylenes	6.549	106	163858	42.51	ug/l	85
78)	o-Xylene	6.796	106	84104	20.81	ug/l	70
79)	trans-1,4-Dichloro-2-b...	7.216	53	23811	16.55	ug/l	96
80)	1,3-Dichlorobenzene	7.805	146	111002	20.20	ug/l	86
81)	1,4-Dichlorobenzene	7.853	146	119211	19.84	ug/l	88
82)	1,2-Dichlorobenzene	8.099	146	111314	19.35	ug/l	87
83)	Isopropylbenzene	7.012	105	164937	17.89	ug/l	90
84)	Cyclohexanone	7.096	55	10495	56.24	ug/l	94
85)	Camphene	7.186	93	36175	18.26	ug/l	93
86)	1,2,3-Trichloropropane	7.228	75	75250	16.28	ug/l	94
87)	2-Chlorotoluene	7.330	91	128723	21.74	ug/l	93
88)	p-Ethyltoluene	7.324	105	201544	20.07	ug/l	80
89)	4-Chlorotoluene	7.396	91	121454	18.64	ug/l	86
90)	n-Propylbenzene	7.258	91	208872	19.08	ug/l	96
91)	Bromobenzene	7.228	77	133174	18.91	ug/l	88
92)	1,3,5-Trimethylbenzene	7.354	105	137295	19.66	ug/l	78
93)	Butyl methacrylate	7.372	41	88271	15.87	ug/l	57
94)	t-Butylbenzene	7.571	119	126880	17.97	ug/l	80
95)	1,2,4-Trimethylbenzene	7.595	105	159343	20.17	ug/l	88
96)	sec-Butylbenzene	7.703	105	146344	17.01	ug/l	96
97)	4-Isopropyltoluene	7.781	119	121524	18.65	ug/l	89
98)	n-Butylbenzene	8.045	91	131726	18.12	ug/l	93
99)	p-Diethylbenzene	8.027	119	63033	16.97	ug/l	86
100)	1,2,4,5-Tetramethylben...	8.532	119	115951	16.85	ug/l	94
101)	1,2-Dibromo-3-Chloropr...	8.598	157	13368	12.62	ug/l	54
102)	Camphor	9.079	95	56962	142.83	ug/l	88
103)	Hexachlorobutadiene	9.223	225	42486	22.03	ug/l	95
104)	1,2,4-Trichlorobenzene	9.133	180	69186	19.90	ug/l	94
105)	1,2,3-Trichlorobenzene	9.470	180	65341	19.32	ug/l	93
106)	Naphthalene	9.313	128	160999	16.44	ug/l	100

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


Abundance
TIC: 3M88451.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 3M88451.D
Acq On : 02/28/11 09:04
Operator : WP
Sam Mult : 1 Vial# : 70
Misc : A,5ML
Qt Meth : 3M_A0227.M
Qt On : 02/28/11 09:23
Qt Upd On: 02/28/11 09:08
Time-->

Form3
Recovery Data
QC Batch: MBS6293

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63647.D	MBS6293	3/2/2011 3:44:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	14.42	0	20	72	21	137
1,1-Dichloroethene	1	16.12	0	20	81	21	133
1,1-Dichloroethane	1	18.19	0	20	91	44	134
Chloroform	1	18.09	0	20	90	40	148
1,2-Dichloroethane	1	17.42	0	20	87	43	144
2-Butanone	1	22.35	0	20	112	25	157
Carbon Tetrachloride	1	20.08	0	20	100	42	146
Trichloroethene	1	17.41	0	20	87	46	127
Benzene	1	18.42	0	20	92	49	135
Tetrachloroethene	1	17.53	0	20	88	42	138
Toluene	1	17.98	0	20	90	53	129
Chlorobenzene	1	16.93	0	20	85	51	129
1,4-Dichlorobenzene	1	17.89	0	20	89	45	128
1,2-Dichlorobenzene	1	17.77	0	20	89	50	126
n-Propylbenzene	1	20.39	0	20	102	45	135
sec-Butylbenzene	1	21.42	0	20	107	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63647.D Sam Mult : 1 Vial# : 30 Qt On : 03/02/11 15:58
Acq On : 03/ 2/11 15:44 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.289	96	264188	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.094	117	225224	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.490	152	125241	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	3.826	111	66586	30.40	ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.33%		
38) 1,2-Dichloroethane-d4	4.073	67	42997	30.99	ug/l	-0.02
Spiked Amount 30.000			Recovery =	103.30%		
65) Toluene-d8	5.240	98	286281	28.75	ug/l	-0.02
Spiked Amount 30.000			Recovery =	95.83%		
75) Bromofluorobenzene	6.786	174	112667	28.81	ug/l	-0.02
Spiked Amount 30.000			Recovery =	96.03%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.195	51	104430	19.98	ug/l	57
6) Dichlorodifluoromethane	1.178	85	29079	9.74	ug/l	92
7) Chloromethane	1.295	50	47810	14.59	ug/l	79
8) Bromomethane	1.578	94	21503	13.90	ug/l	89
9) Vinyl Chloride	1.361	62	36551	14.42	ug/l	98
10) Chloroethane	1.627	64	23232	12.45	ug/l	94
11) Trichlorofluoromethane	1.794	101	48303	18.51	ug/l	86
12) Ethyl ether	1.987	59	53217	17.53	ug/l	91
13) Furan	2.017	39	140253	16.39	ug/l	98
14) 1,1,2-Trichloro-1,2,2-...	2.135	101	36700	23.67	ug/l	95
15) Methylene Chloride	2.480	84	59361	18.41	ug/l	87
16) Acrolein	2.076	56	46077	116.29	ug/l	94
17) Acrylonitrile	2.658	53	22186	19.04	ug/l	99
18) Iodomethane	2.254	142	82963	12.41	ug/l	91
19) Acetone	2.185	43	83316	102.50	ug/l	89
20) Carbon Disulfide	2.303	76	163059	18.30	ug/l	100
21) t-Butyl Alcohol	2.549	59	24015	96.29	ug/l	91
22) n-Hexane	2.865	57	58870	29.40	ug/l	69
23) Di-isopropyl-ether	3.023	45	222916	19.33	ug/l	86
24) 1,1-Dichloroethene	2.145	61	74872	16.12	ug/l	95
25) Methyl Acetate	2.402	43	50574	18.13	ug/l	100
26) Methyl-t-butyl ether	2.668	73	125102	19.01	ug/l	68
27) 1,1-Dichloroethane	2.983	63	107335	18.19	ug/l	97
28) trans-1,2-Dichloroethene	2.678	96	49269	17.51	ug/l	85
29) cis-1,2-Dichloroethene	3.447	61	89353	18.94	ug/l	90
30) Bromochloromethane	3.640	49	54486	17.43	ug/l	68
31) 2,2-Dichloropropane	3.441	77	69943	26.86	ug/l	95
32) Ethyl acetate	3.495	43	53716	15.71	ug/l	96
33) 1,4-Dioxane	4.735	88	30454	935.43	ug/l	75
34) 1,1-Dichloropropene	3.965	75	75511	19.68	ug/l	90
35) Chloroform	3.700	83	83911	18.09	ug/l	98
37) Cyclohexane	3.880	56	79823	22.70	ug/l	88
39) 1,2-Dichloroethane	4.121	62	74311	17.42	ug/l	94
40) 2-Butanone	3.453	43	30797	22.35	ug/l	74
41) 1,1,1-Trichloroethane	3.844	97	65706	18.71	ug/l	89
42) Carbon Tetrachloride	3.965	117	54231	20.08	ug/l	97
43) Vinyl Acetate	3.023	43	239487	20.09	ug/l	100
44) Bromodichloromethane	4.813	83	70975	16.54	ug/l	99
45) Methylcyclohexane	4.632	83	71784	25.54	ug/l	93
46) Dibromomethane	4.729	174	45603	17.03	ug/l	93
47) 1,2-Dichloropropane	4.656	63	73179	19.50	ug/l	91
48) Trichloroethene	4.518	130	55760	17.41	ug/l	93
49) Benzene	4.109	78	219765	18.42	ug/l	100
50) tert-Amyl methyl ether	4.175	73	144650	19.24	ug/l	75
52) Iso-propylacetate	4.145	43	121629	16.65	ug/l	72
53) Methyl methacrylate	4.711	41	64567	17.75	ug/l	94
54) Dibromochloromethane	5.757	129	61163	16.39	ug/l	96
55) 2-Chloroethylvinylether	4.987	63	43868	18.29	ug/l	86
56) cis-1,3-Dichloropropene	5.077	75	100510	17.93	ug/l	90
57) trans-1,3-Dichloropropene	5.402	75	87572	17.48	ug/l	100
58) Ethyl methacrylate	5.438	41	69767	17.28	ug/l	80
59) 1,1,2-Trichloroethane	5.517	97	56062	17.94	ug/l	85
60) 1,2-Dibromoethane	5.829	107	60060	17.08	ug/l	87
61) 1,3-Dichloropropane	5.613	76	107281	18.81	ug/l	94
62) 4-Methyl-2-Pentanone	5.162	43	74843	17.29	ug/l	74
63) 2-Hexanone	5.649	43	53764	17.05	ug/l	85
64) Tetrachloroethene	5.601	164	51727	17.53	ug/l	93
66) Toluene	5.282	92	150954	17.98	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.154	133	54094	17.78	ug/l	77

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 2M63647.D
Acq On : 03/ 2/11 15:44

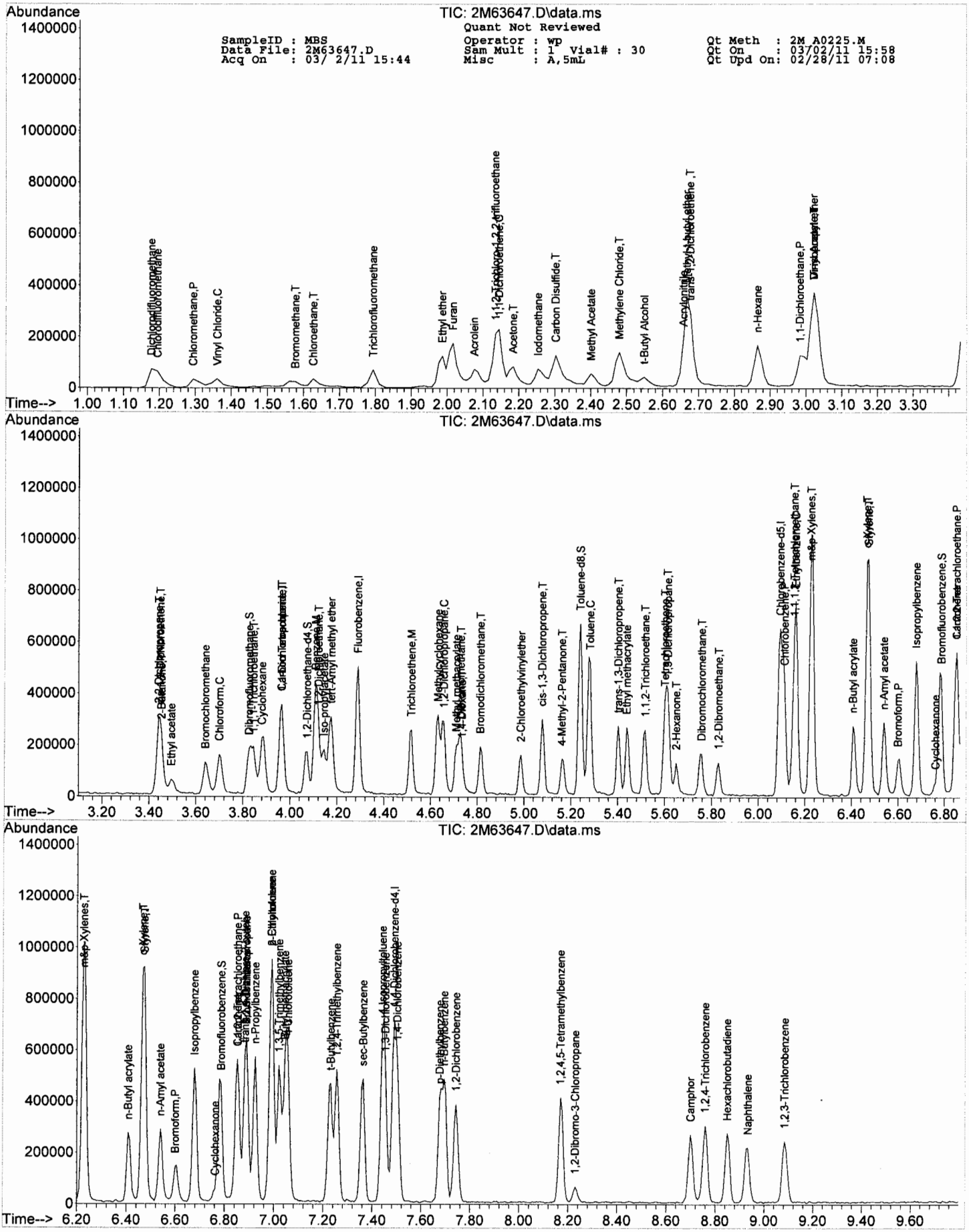
Operator : wp
Sam Mult : 1 Vial# : 30
Misc : A,5mL

Qt Meth : 2M_A0225.M
Qt On : 03/02/11 15:58
Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.112	112	161505	16.93 ug/l	93
70) n-Butyl acrylate	6.407	55	129439	16.42 ug/l	97
71) n-Amyl acetate	6.539	43	131441	16.37 ug/l	92
72) Bromoform	6.599	173	46311	15.61 ug/l	95
73) Ethylbenzene	6.160	106	68690	22.67 ug/l	85
74) 1,1,2,2-Tetrachloroethane	6.852	83	74878	18.02 ug/l	92
76) Styrene	6.473	104	179811	19.39 ug/l	87
77) m&p-Xylenes	6.226	106	206698	40.18 ug/l	84
78) o-Xylene	6.467	106	106404	20.32 ug/l	66
79) trans-1,4-Dichloro-2-b...	6.882	53	24282	28.17 ug/l	43
80) 1,3-Dichlorobenzene	7.454	146	131942	18.35 ug/l	85
81) 1,4-Dichlorobenzene	7.502	146	131738	17.89 ug/l	92
82) 1,2-Dichlorobenzene	7.742	146	123743	17.77 ug/l	88
83) Isopropylbenzene	6.678	105	243258	19.79 ug/l	94
84) Cyclohexanone	6.762	55	13688	88.73 ug/l	93
85) Camphene	6.852	93	75602	23.77 ug/l	92
86) 1,2,3-Trichloropropane	6.888	75	92896	18.80 ug/l	84
87) 2-Chlorotoluene	6.990	91	157548	17.95 ug/l	95
88) p-Ethyltoluene	6.990	105	268708	19.62 ug/l	80
89) 4-Chlorotoluene	7.057	91	152472	19.28 ug/l	88
90) n-Propylbenzene	6.924	91	311763	20.39 ug/l	96
91) Bromobenzene	6.888	77	156802	24.95 ug/l	88
92) 1,3,5-Trimethylbenzene	7.020	105	195438	18.79 ug/l	81
93) Butyl methacrylate	7.045	41	102028	16.15 ug/l	54
94) t-Butylbenzene	7.231	119	190896	19.67 ug/l	77
95) 1,2,4-Trimethylbenzene	7.255	105	217464	20.32 ug/l	85
96) sec-Butylbenzene	7.363	105	255366	21.42 ug/l	99
97) 4-Isopropyltoluene	7.442	119	197684	20.74 ug/l	88
98) n-Butylbenzene	7.694	91	221221	21.57 ug/l	93
99) p-Diethylbenzene	7.676	119	106375	19.39 ug/l	87
100) 1,2,4,5-Tetramethylben...	8.169	119	171487	18.85 ug/l	84
101) 1,2-Dibromo-3-Chloropr...	8.230	157	13591	14.14 ug/l	64
102) Camphor	8.699	95	50038	157.62 ug/l	94
103) Hexachlorobutadiene	8.849	225	53735	17.82 ug/l	96
104) 1,2,4-Trichlorobenzene	8.759	180	81966	17.05 ug/l	92
105) 1,2,3-Trichlorobenzene	9.084	180	71487	16.29 ug/l	92
106) Naphthalene	8.933	128	144797	15.64 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : MBS
Data File: 2M63647.D
Acq On : 03/ 2/11 15:44
Operator : wp
Sam Mult : 1 Vial# : 30
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/02/11 15:58
Qt Upd On: 02/28/11 07:08
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
t-Butylbenzene
sec-Butylbenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65643.D	MBS6063	2/18/2011 5:33:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			
Method: 8260		Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	16.39	0	20	82	21	137
1,1-Dichloroethene	1	11.71	0	20	59	21	133
1,1-Dichloroethane	1	15.32	0	20	77	44	134
Chloroform	1	16.23	0	20	81	40	148
1,2-Dichloroethane	1	16.54	0	20	83	43	144
2-Butanone	1	12.67	0	20	63	25	157
Carbon Tetrachloride	1	17.68	0	20	88	42	146
Trichloroethene	1	16.61	0	20	83	46	127
Benzene	1	16.5	0	20	82	49	135
Tetrachloroethene	1	17.45	0	20	87	42	138
Toluene	1	15.67	0	20	78	53	129
Chlorobenzene	1	15.89	0	20	79	51	129
1,4-Dichlorobenzene	1	15.78	0	20	79	45	128
1,2-Dichlorobenzene	1	15.54	0	20	78	50	126
n-Propylbenzene	1	16.68	0	20	83	45	135
sec-Butylbenzene	1	15.52	0	20	78	43	123

* - Indicates outside of limits

Quantitation Report (QT Reviewed)

SampleID : MBS | Operator : WP | Qt Meth : 6M_A0202.M
Data File: 6M65643.D | Sam Mult : 1 Vial# : 7 | Qt On : 02/18/11 17:51
Acq On : 02/18/11 17:33 | Misc : A,5ML | Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.640	96	144799	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.191	117	90972	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.429	152	41672	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.249	111	40824	30.93	ug/l	0.00
Spiked Amount 30.000			Recovery =	103.10%		
38) 1,2-Dichloroethane-d4	4.454	67	27695	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.20%		
65) Toluene-d8	5.458	98	131814	29.28	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.60%		
75) Bromofluorobenzene	6.798	174	36133	31.66	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.53%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.471	51	68891	22.96	ug/l	68
6) Dichlorodifluoromethane	1.454	85	24473	14.02	ug/l	87
7) Chloromethane	1.615	50	29796	16.58	ug/l	75
8) Bromomethane	1.943	94	10426	10.71	ug/l	84
9) Vinyl Chloride	1.684	62	21785	16.39	ug/l	95
10) Chloroethane	2.018	64	12975	15.52	ug/l	92
11) Trichlorofluoromethane	2.225	101	28423	26.56	ug/l	87
12) Ethyl ether	2.440	59	15815	12.45	ug/l	94
13) Furan	2.458	39	60279	13.11	ug/l	72
14) 1,1,2-Trichloro-1,2,2-...	2.620	101	11039	12.68	ug/l	92
15) Methylene Chloride	2.963	84	22501	13.44	ug/l	74
16) Acrolein	2.512	56	15233	60.55	ug/l	99
17) Acrylonitrile	3.137	53	9018	13.59	ug/l	99
18) Iodomethane	2.735	142	17614	8.14	ug/l	77
19) Acetone	2.632	43	42161	60.28	ug/l	100
20) Carbon Disulfide	2.795	76	68025	23.21	ug/l	100
21) t-Butyl Alcohol	3.035	59	7047	60.09	ug/l	93
22) n-Hexane	3.414	57	19537	13.90	ug/l	96
23) Di-isopropyl-ether	3.570	45	102154	15.42	ug/l	96
24) 1,1-Dichloroethene	2.614	61	29832	11.71	ug/l	92
25) Methyl Acetate	2.885	43	24251	12.48	ug/l	100
26) Methyl-t-butyl ether	3.191	73	46791	14.97	ug/l	80
27) 1,1-Dichloroethane	3.516	63	46760	15.32	ug/l	95
28) trans-1,2-Dichloroethene	3.191	96	20796	16.16	ug/l	91
29) cis-1,2-Dichloroethene	3.949	61	45038	15.12	ug/l	98
30) Bromochloromethane	4.105	49	31082	17.48	ug/l	62
31) 2,2-Dichloropropane	3.961	77	24187	14.29	ug/l	94
32) Ethyl acetate	3.985	43	32380	13.88	ug/l	86
33) 1,4-Dioxane	5.007	88	9023	749.12	ug/l	62
34) 1,1-Dichloropropene	4.376	75	30965	16.59	ug/l	97
35) Chloroform	4.153	83	40817	16.23	ug/l	83
37) Cyclohexane	4.327	56	32192	15.23	ug/l	77
39) 1,2-Dichloroethane	4.496	62	37020	16.54	ug/l	92
40) 2-Butanone	3.943	43	10564	12.67	ug/l	86
41) 1,1,1-Trichloroethane	4.285	97	28667	16.93	ug/l	96
42) Carbon Tetrachloride	4.388	117	22143	17.68	ug/l	97
43) Vinyl Acetate	3.540	43	43348m	10.14	ug/l	
44) Bromodichloromethane	5.085	83	29304	16.03	ug/l	90
45) Methylcyclohexane	4.953	83	19383	15.02	ug/l	81
46) Dibromomethane	5.013	174	12297	18.95	ug/l	90
47) 1,2-Dichloropropane	4.947	63	23918	15.22	ug/l	93
48) Trichloroethene	4.832	130	18742	16.61	ug/l	89
49) Benzene	4.496	78	86746	16.50	ug/l	100
50) tert-Amyl methyl ether	4.550	73	48775	15.06	ug/l	79
52) Iso-propylacetate	4.508	43	48313	13.44	ug/l	85
53) Methyl methacrylate	4.983	41	28754	12.57	ug/l	83
54) Dibromochloromethane	5.890	129	18091	15.32	ug/l	99
55) 2-Chloroethylvinylether	5.223	63	12775	11.22	ug/l	77
56) cis-1,3-Dichloropropene	5.307	75	29742	12.83	ug/l	90
57) trans-1,3-Dichloropropene	5.578	75	24091	11.92	ug/l	97
58) Ethyl methacrylate	5.608	41	29043	12.21	ug/l	96
59) 1,1,2-Trichloroethane	5.680	97	16848	14.88	ug/l	94
60) 1,2-Dibromoethane	5.957	107	16248	14.44	ug/l	88
61) 1,3-Dichloropropane	5.764	76	31889	15.50	ug/l	97
62) 4-Methyl-2-Pentanone	5.373	43	29480	11.87	ug/l	91
63) 2-Hexanone	5.788	43	21262	13.39	ug/l	90
64) Tetrachloroethene	5.776	164	14033	17.45	ug/l	96
66) Toluene	5.488	92	47656	15.67	ug/l	88
67) 1,1,1,2-Tetrachloroethane	6.239	133	15701	17.33	ug/l	60

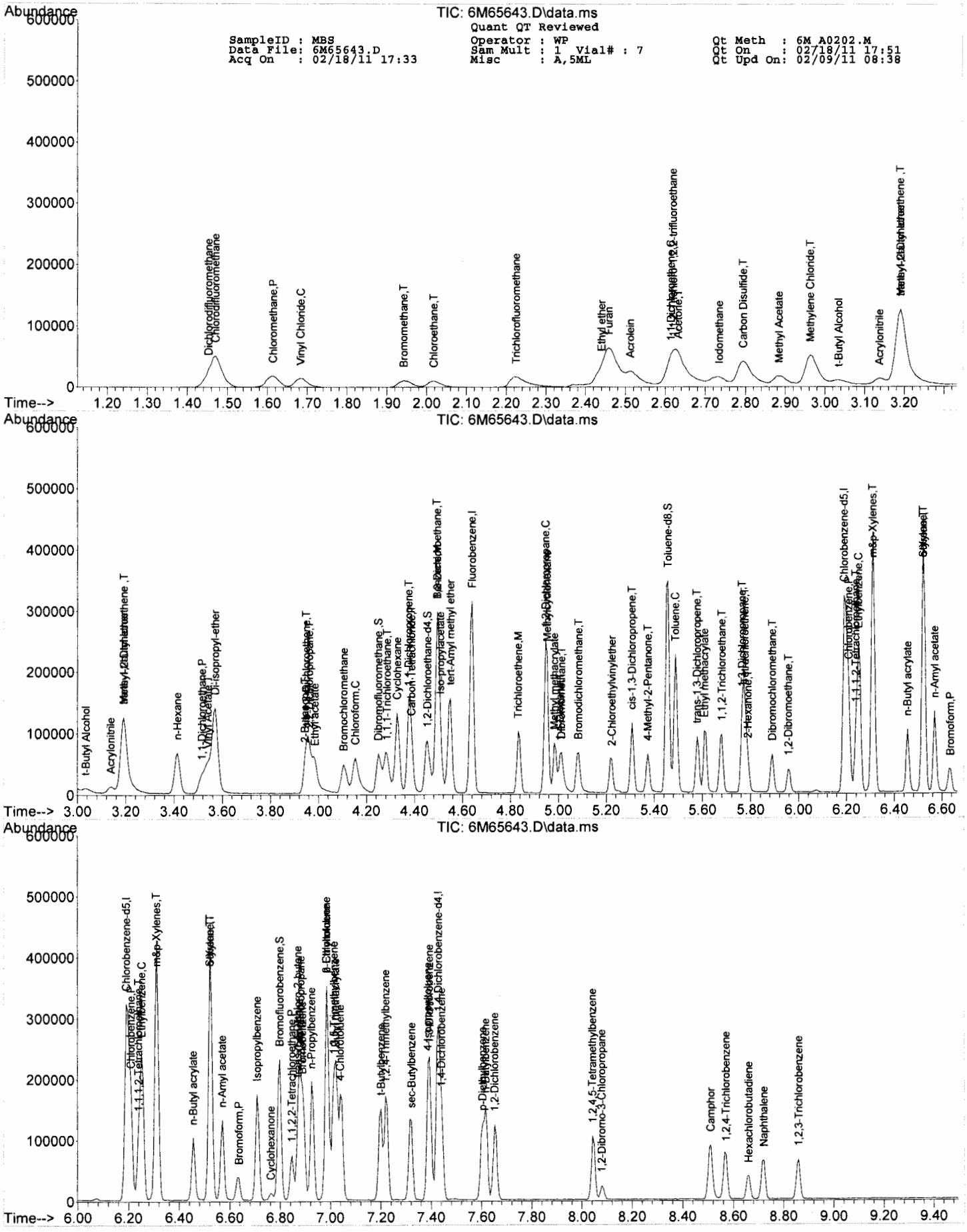
Quantitation Report (QT Reviewed)

SampleID : MBS Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65643.D Sam Mult : 1 Vial# : 7 Qt On : 02/18/11 17:51
Acq On : 02/18/11 17:33 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.209	112	48664	15.89 ug/l	98
70) n-Butyl acrylate	6.455	55	38080	10.92 ug/l	92
71) n-Amyl acetate	6.570	43	46922	12.31 ug/l	93
72) Bromoform	6.636	173	11593	15.34 ug/l	95
73) Ethylbenzene	6.251	106	22800	15.81 ug/l	94
74) 1,1,2,2-Tetrachloroethane	6.846	83	23770	14.63 ug/l	91
76) Styrene	6.522	104	51154	17.52 ug/l	93
77) m&p-Xylenes	6.311	106	59706	36.26 ug/l	98
78) o-Xylene	6.522	106	28849	18.12 ug/l	86
79) trans-1,4-Dichloro-2-b...	6.870	53	11677	15.60 ug/l	72
80) 1,3-Dichlorobenzene	7.393	146	32288	17.24 ug/l	92
81) 1,4-Dichlorobenzene	7.441	146	33088	15.78 ug/l	95
82) 1,2-Dichlorobenzene	7.652	146	29978	15.54 ug/l	94
83) Isopropylbenzene	6.708	105	62789	15.38 ug/l	98
84) Cyclohexanone	6.762	55	3335	54.56 ug/l	89
85) Camphene	6.876	93	18854	15.79 ug/l	91
86) 1,2,3-Trichloropropane	6.882	75	28262	15.44 ug/l	82
87) 2-Chlorotoluene	6.984	91	63936	16.81 ug/l	93
88) p-Ethyltoluene	6.984	105	71119	15.13 ug/l	78
89) 4-Chlorotoluene	7.039	91	56968	15.37 ug/l	93
90) n-Propylbenzene	6.924	91	90291	16.68 ug/l	95
91) Bromobenzene	6.888	77	54110	16.50 ug/l	87
92) 1,3,5-Trimethylbenzene	7.014	105	59345	18.86 ug/l	96
93) Butyl methacrylate	7.021	41	45200	15.30 ug/l	97
94) t-Butylbenzene	7.201	119	44835	15.61 ug/l	88
95) 1,2,4-Trimethylbenzene	7.219	105	60366	17.92 ug/l	95
96) sec-Butylbenzene	7.321	105	58883	15.52 ug/l	94
97) 4-Isopropyltoluene	7.387	119	44836	15.35 ug/l	94
98) n-Butylbenzene	7.616	91	57616	16.77 ug/l	88
99) p-Diethylbenzene	7.604	119	21904	13.82 ug/l	93
100) 1,2,4,5-Tetramethylben...	8.042	119	34177	11.65 ug/l	96
101) 1,2-Dibromo-3-Chloropr...	8.078	157	3195	12.78 ug/l	91
102) Camphor	8.511	95	12390	119.37 ug/l	95
103) Hexachlorobutadiene	8.662	225	5080	14.31 ug/l	96
104) 1,2,4-Trichlorobenzene	8.571	180	15186	15.09 ug/l	96
105) 1,2,3-Trichlorobenzene	8.860	180	12505	13.63 ug/l	98
106) Naphthalene	8.722	128	32561	11.23 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : MBS
Data File: 6M65643.D
Acq On : 02/18/11 17:33
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/18/11 17:51
Qt Upd On: 02/09/11 08:38
Abundance
Time-->

Form3
Recovery Data
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	20.19	0	20	101	21	137
1,1-Dichloroethene	1	13.69	0	20	68	21	133
1,1-Dichloroethane	1	18.17	0	20	91	44	134
Chloroform	1	19.93	0	20	100	40	148
1,2-Dichloroethane	1	19.48	0	20	97	43	144
2-Butanone	1	16.64	0	20	83	25	157
Carbon Tetrachloride	1	21.66	0	20	108	42	146
Trichloroethene	1	19.55	0	20	98	46	127
Benzene	1	19.7	0	20	98	49	135
Tetrachloroethene	1	21	0	20	105	42	138
Toluene	1	19.88	0	20	99	53	129
Chlorobenzene	1	19.2	0	20	96	51	129
1,4-Dichlorobenzene	1	18.13	0	20	91	45	128
1,2-Dichlorobenzene	1	18.42	0	20	92	50	126
n-Propylbenzene	1	20.07	0	20	100	45	135
sec-Butylbenzene	1	18.99	0	20	95	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Non Spike(If applicable):	6M65546.D	AC57097-005(T)	2/15/2011 8:29:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.79	0	20	94	21	137
1,1-Dichloroethene	1	16.73	0	20	84	21	133
1,1-Dichloroethane	1	17.47	0	20	87	44	134
Chloroform	1	18.75	0	20	94	40	148
1,2-Dichloroethane	1	18.94	0	20	95	43	144
2-Butanone	1	14.85	0	20	74	25	157
Carbon Tetrachloride	1	20.31	0	20	102	42	146
Trichloroethene	1	18.57	0	20	93	46	127
Benzene	1	19.33	0	20	97	49	135
Tetrachloroethene	1	19.28	0	20	96	42	138
Toluene	1	18.7	0	20	94	53	129
Chlorobenzene	1	18.41	0	20	92	51	129
1,4-Dichlorobenzene	1	18.43	0	20	92	45	128
1,2-Dichlorobenzene	1	18.18	0	20	91	50	126
n-Propylbenzene	1	19.83	0	20	99	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6063

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M65650.D	AC57097-005(T:MSD)	2/18/2011 7:30:00 PM
Duplicate(If applicable):	6M65649.D	AC57097-005(T:MS)	2/18/2011 7:13:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.79	20.19	7.2	30
1,1-Dichloroethene	1	16.73	13.69	20	34
1,1-Dichloroethane	1	17.47	18.17	3.9	30
Chloroform	1	18.75	19.93	6.1	37
1,2-Dichloroethane	1	18.94	19.48	2.8	34
2-Butanone	1	14.85	16.64	11	47
Carbon Tetrachloride	1	20.31	21.66	6.4	32
Trichloroethene	1	18.57	19.55	5.1	30
Benzene	1	19.33	19.7	1.9	29
Tetrachloroethene	1	19.28	21	8.5	27
Toluene	1	18.7	19.88	6.1	33
Chlorobenzene	1	18.41	19.2	4.2	30
1,4-Dichlorobenzene	1	18.43	18.13	1.6	30
1,2-Dichlorobenzene	1	18.18	18.42	1.3	34
n-Propylbenzene	1	19.83	20.07	1.2	32
sec-Butylbenzene	1	18.47	18.99	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

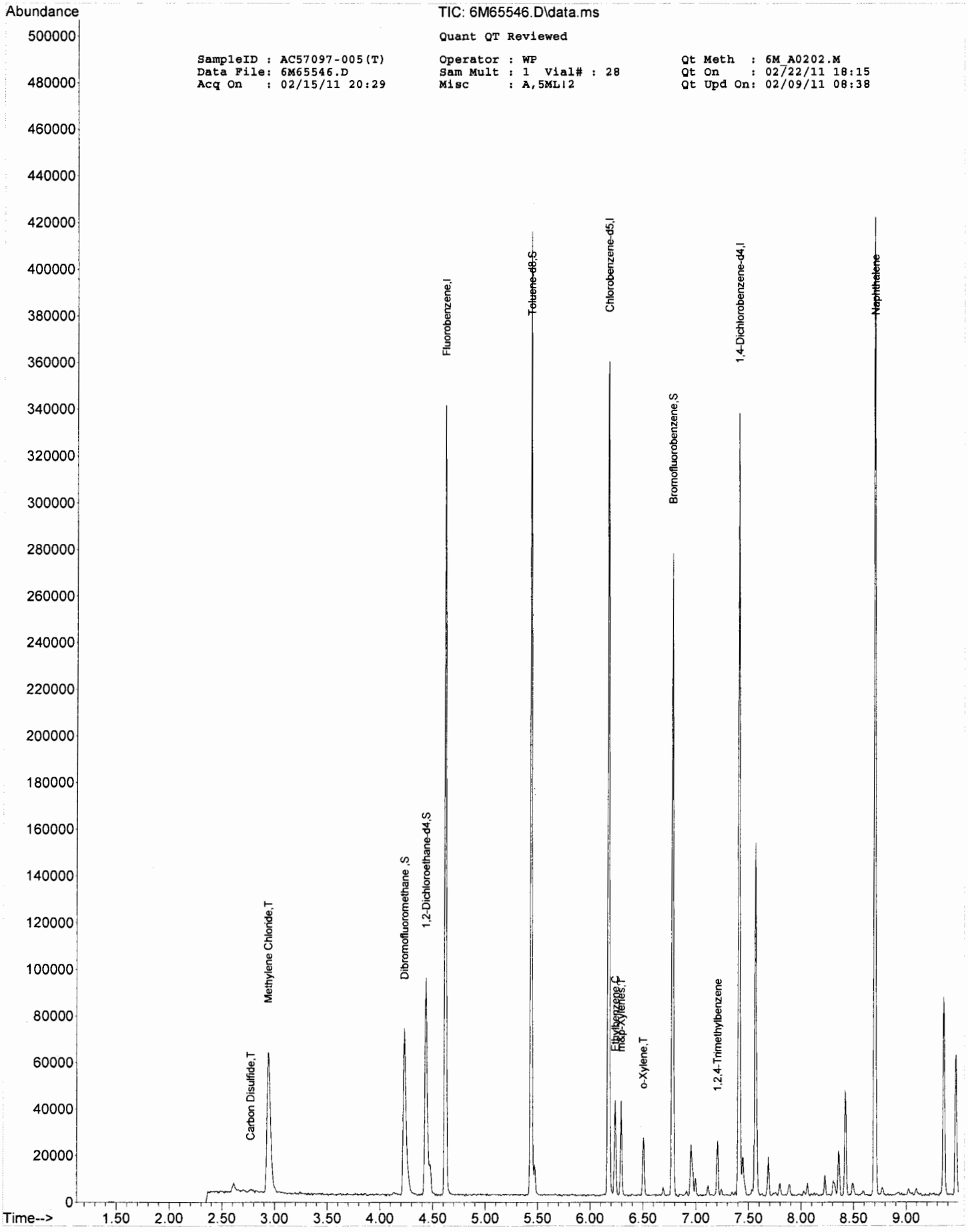
Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65546.D Sam Mult : 1 Vial# : 28 Qt On : 02/22/11 18:15
Acq On : 02/15/11 20:29 Misc : A,5ML!2 Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-15-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.622	96	145187	30.00	ug/l	-0.01
51) Chlorobenzene-d5	6.179	117	108140	30.00	ug/l	-0.01
69) 1,4-Dichlorobenzene-d4	7.411	152	49104	30.00	ug/l	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	4.231	111	44297	33.47	ug/l	-0.02
Spiked Amount 30.000			Recovery = 111.57%			
38) 1,2-Dichloroethane-d4	4.435	67	29535	31.65	ug/l	-0.01
Spiked Amount 30.000			Recovery = 105.50%			
65) Toluene-d8	5.439	98	140679	26.29	ug/l	-0.01
Spiked Amount 30.000			Recovery = 87.63%			
75) Bromofluorobenzene	6.780	174	41272	30.68	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.27%			
Target Compounds						Qvalue
15) Methylene Chloride	2.939	84	27361	16.30	ug/l	68
20) Carbon Disulfide	2.770	76	1351	1.90	ug/l	100
73) Ethylbenzene	6.239	106	4441	2.61	ug/l	98
77) m&p-Xylenes	6.293	106	5654	2.91	ug/l	91
78) o-Xylene	6.503	106	3105	1.65	ug/l	85
95) 1,2,4-Trimethylbenzene	7.207	105	8132	2.05	ug/l	91
106) Naphthalene	8.703	128	198522	58.09	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Data File: 6M65546.D
Acq On : 02/15/11 20:29
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : A,5ML!2
Qt Meth : 6M_A0202.M
Qt On : 02/22/11 18:15
Qt Upd On: 02/09/11 08:38
Carbon Disulfide,T
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Naphthalene
Time-->

Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MS) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65649.D Sam Mult : 1 Vial# : 10 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:13 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.639	96	134472	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.196	117	85090	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.428	152	39402	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.254	111	37731	30.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.60%			
38) 1,2-Dichloroethane-d4	4.452	67	24911	28.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.07%			
65) Toluene-d8	5.456	98	123419	29.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.70%			
75) Bromofluorobenzene	6.797	174	32950	30.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.77%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.471	51	62434	22.40	ug/l	72
6) Dichlorodifluoromethane	1.454	85	24290	14.99	ug/l	81
7) Chloromethane	1.615	50	31327	18.77	ug/l	79
8) Bromomethane	1.949	94	11640	12.87	ug/l	81
9) Vinyl Chloride	1.690	62	24919	20.19	ug/l	99
10) Chloroethane	2.013	64	14539	18.73	ug/l	96
11) Trichlorofluoromethane	2.226	101	31815	32.01	ug/l	90
12) Ethyl ether	2.439	59	17550	14.88	ug/l	90
13) Furan	2.463	39	66972	15.68	ug/l	74
14) 1,1,2-Trichloro-1,2,2-...	2.625	101	11795	14.59	ug/l	88
15) Methylene Chloride	2.962	84	42343	27.24	ug/l	71
16) Acrolein	2.517	56	15545	66.54	ug/l	97
17) Acrylonitrile	3.142	53	9117	14.80	ug/l	90
18) Iodomethane	2.733	142	21823	14.48	ug/l	88
19) Acetone	2.631	43	42033	64.72	ug/l	93
20) Carbon Disulfide	2.793	76	75769	27.55	ug/l	100
21) t-Butyl Alcohol	3.034	59	7489	68.76	ug/l	89
22) n-Hexane	3.413	57	22611	17.32	ug/l	97
23) Di-isopropyl-ether	3.569	45	114678	18.64	ug/l	96
24) 1,1-Dichloroethene	2.613	61	32379	13.69	ug/l	88
25) Methyl Acetate	2.884	43	25670	14.23	ug/l	100
26) Methyl-t-butyl ether	3.190	73	52327	18.03	ug/l	81
27) 1,1-Dichloroethane	3.521	63	51524	18.17	ug/l	98
28) trans-1,2-Dichloroethene	3.190	96	23407	19.58	ug/l	88
29) cis-1,2-Dichloroethene	3.954	61	51188	18.50	ug/l	97
30) Bromochloromethane	4.104	49	29531	17.88	ug/l	58
31) 2,2-Dichloropropane	3.960	77	28471	18.10	ug/l	98
32) Ethyl acetate	3.984	43	31902	14.73	ug/l	88
33) 1,4-Dioxane	5.011	88	9351	835.97	ug/l	57
34) 1,1-Dichloropropene	4.380	75	35223	20.32	ug/l	96
35) Chloroform	4.152	83	46546	19.93	ug/l	86
37) Cyclohexane	4.326	56	36760	18.73	ug/l	77
39) 1,2-Dichloroethane	4.495	62	40493	19.48	ug/l	93
40) 2-Butanone	3.948	43	12878	16.64	ug/l	87
41) 1,1,1-Trichloroethane	4.284	97	32616	20.74	ug/l	91
42) Carbon Tetrachloride	4.386	117	25191	21.66	ug/l	94
43) Vinyl Acetate	3.545	43	49131m	12.37	ug/l	
44) Bromodichloromethane	5.084	83	32681	19.25	ug/l	90
45) Methylcyclohexane	4.951	83	22111	18.44	ug/l	81
46) Dibromomethane	5.011	174	13682	22.70	ug/l	91
47) 1,2-Dichloropropane	4.945	63	27043	18.53	ug/l	97
48) Trichloroethene	4.837	130	20490	19.55	ug/l	84
49) Benzene	4.495	78	96184	19.70	ug/l	100
50) tert-Amyl methyl ether	4.549	73	53533	17.80	ug/l	80
52) Iso-propylacetate	4.507	43	51107	15.19	ug/l	84
53) Methyl methacrylate	4.987	41	31074	14.52	ug/l	85
54) Dibromochloromethane	5.889	129	20191	18.28	ug/l	95
56) cis-1,3-Dichloropropene	5.306	75	32015	14.76	ug/l	89
57) trans-1,3-Dichloropropene	5.583	75	27117	14.34	ug/l	97
58) Ethyl methacrylate	5.613	41	32683	14.69	ug/l	95
59) 1,1,2-Trichloroethane	5.679	97	18006	17.01	ug/l	92
60) 1,2-Dibromoethane	5.961	107	18436	17.52	ug/l	93
61) 1,3-Dichloropropane	5.769	76	34175	17.76	ug/l	99
62) 4-Methyl-2-Pentanone	5.372	43	32351	13.93	ug/l	90
63) 2-Hexanone	5.787	43	22062	14.85	ug/l	90
64) Tetrachloroethene	5.775	164	15797	21.00	ug/l	100
66) Toluene	5.492	92	56547	19.88	ug/l	96
67) 1,1,1,2-Tetrachloroethane	6.244	133	17569	20.73	ug/l	75
68) Chlorobenzene	6.208	112	55012	19.20	ug/l	96

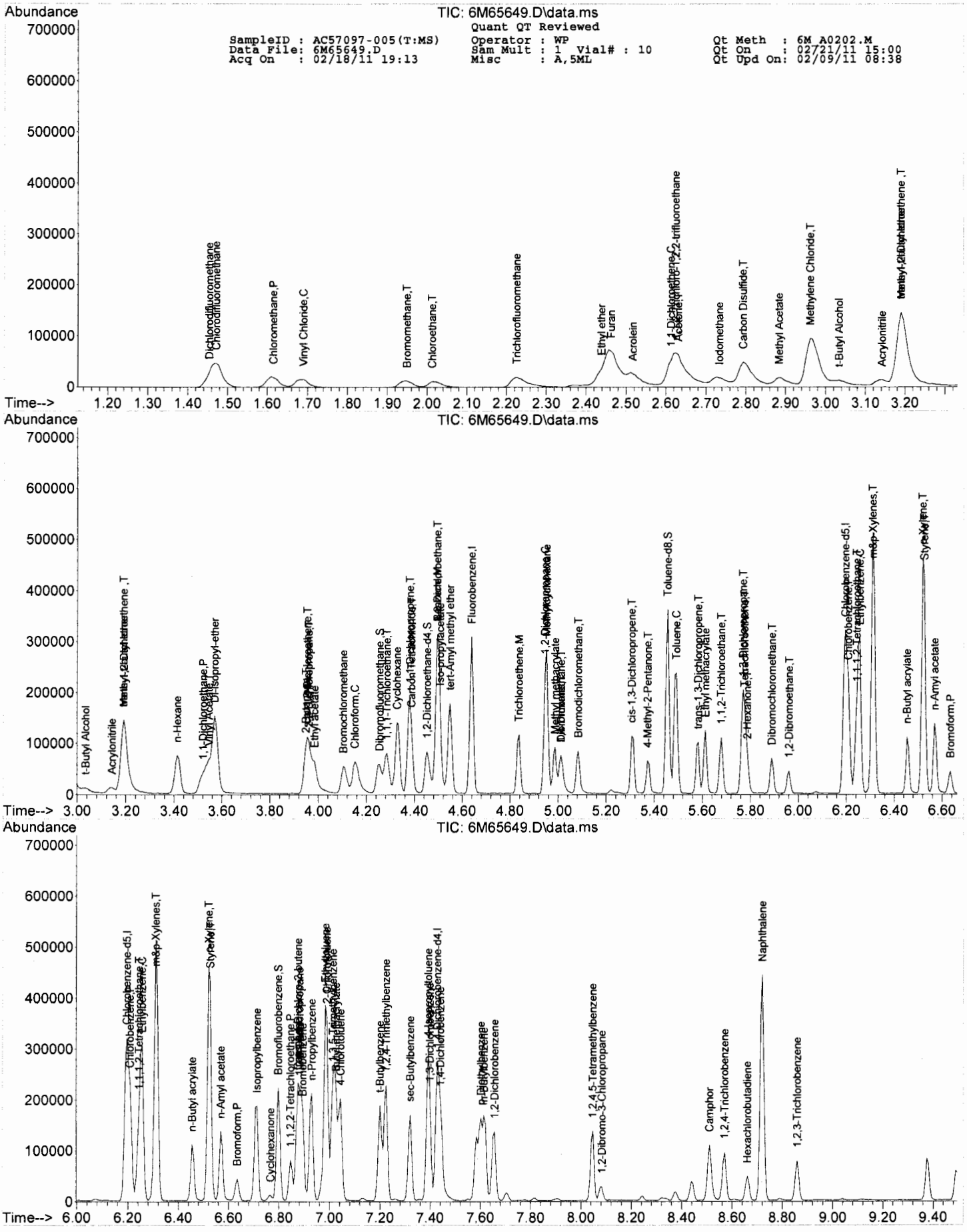
Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MS) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65649.D Sam Mult : 1 Vial# : 10 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:13 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	n-Butyl acrylate	6.454	55	42774	12.97 ug/l	91
71)	n-Amyl acetate	6.568	43	51830	14.38 ug/l	95
72)	Bromoform	6.635	173	12190	17.06 ug/l	98
73)	Ethylbenzene	6.256	106	32512	23.84 ug/l	98
74)	1,1,2,2-Tetrachloroethane	6.845	83	25866	16.83 ug/l	89
76)	Styrene	6.526	104	57003	20.65 ug/l	98
77)	m&p-Xylenes	6.310	106	72555	46.61 ug/l	95
78)	o-Xylene	6.520	106	35259	23.42 ug/l	97
79)	trans-1,4-Dichloro-2-b...	6.875	53	12498	17.66 ug/l	73
80)	1,3-Dichlorobenzene	7.398	146	35808	20.22 ug/l	92
81)	1,4-Dichlorobenzene	7.440	146	35940	18.13 ug/l	96
82)	1,2-Dichlorobenzene	7.656	146	33613	18.42 ug/l	94
83)	Isopropylbenzene	6.713	105	73527	19.05 ug/l	98
84)	Cyclohexanone	6.767	55	3322	57.48 ug/l	85
85)	Camphene	6.875	93	19186	17.00 ug/l	91
86)	1,2,3-Trichloropropane	6.881	75	30568	17.67 ug/l	81
87)	2-Chlorotoluene	6.989	91	72520	20.17 ug/l	95
88)	p-Ethyltoluene	6.983	105	99431	22.37 ug/l	81
89)	4-Chlorotoluene	7.043	91	69008	19.69 ug/l	94
90)	n-Propylbenzene	6.929	91	102707	20.07 ug/l	97
91)	Bromobenzene	6.893	77	58076	18.73 ug/l	88
92)	1,3,5-Trimethylbenzene	7.013	105	65255	21.93 ug/l	95
93)	Butyl methacrylate	7.025	41	52674	18.86 ug/l	99
94)	t-Butylbenzene	7.200	119	52686	19.41 ug/l	90
95)	1,2,4-Trimethylbenzene	7.224	105	78741	24.73 ug/l	95
96)	sec-Butylbenzene	7.320	105	68134	18.99 ug/l	93
97)	4-Isopropyltoluene	7.392	119	53401	19.34 ug/l	94
98)	n-Butylbenzene	7.614	91	74330	22.89 ug/l	85
99)	p-Diethylbenzene	7.602	119	31981	21.34 ug/l	92
100)	1,2,4,5-Tetramethylben...	8.047	119	47149	16.99 ug/l	96
101)	1,2-Dibromo-3-Chloropr...	8.083	157	3493	14.77 ug/l	88
102)	Camphor	8.510	95	13866	141.29 ug/l	98
103)	Hexachlorobutadiene	8.660	225	6111	18.21 ug/l	98
104)	1,2,4-Trichlorobenzene	8.570	180	17421	18.31 ug/l	96
105)	1,2,3-Trichlorobenzene	8.859	180	14265	16.45 ug/l	98
106)	Naphthalene	8.720	128	219262	79.95 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AC57097-005(T:MS)
Data File: 6M65649.D
Acq On : 02/18/11 19:13
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/21/11 15:00
Qt Upd On: 02/09/11 08:38
Time-->

Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MSD) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65650.D Sam Mult : 1 Vial# : 11 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:30 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.640	96	134918	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.191	117	85108	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.430	152	38120	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.250	111	36653	29.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.33%			
38) 1,2-Dichloroethane-d4	4.454	67	24971	28.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.97%			
65) Toluene-d8	5.458	98	124216	29.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.30%			
75) Bromofluorobenzene	6.798	174	33419	32.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.70%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.471	51	59608	21.32	ug/l	71
6) Dichlorodifluoromethane	1.459	85	22578	13.88	ug/l	86
7) Chloromethane	1.615	50	28854	17.23	ug/l	82
8) Bromomethane	1.943	94	11699	12.89	ug/l	82
9) Vinyl Chloride	1.684	62	23268	18.79	ug/l	100
10) Chloroethane	2.024	64	13285	17.06	ug/l	90
11) Trichlorofluoromethane	2.225	101	20889	20.95	ug/l	81
12) Ethyl ether	2.434	59	18378	15.53	ug/l	97
13) Furan	2.458	39	63893	14.91	ug/l	74
14) 1,1,2-Trichloro-1,2,2-...	2.621	101	14669	18.09	ug/l	89
15) Methylene Chloride	2.963	84	49218	31.56	ug/l	80
16) Acrolein	2.512	56	15986	68.20	ug/l	99
17) Acrylonitrile	3.144	53	9992	16.16	ug/l	90
18) Iodomethane	2.723	142	24379	17.35	ug/l	85
19) Acetone	2.627	43	57663	88.49	ug/l	98
20) Carbon Disulfide	2.795	76	87044	31.33	ug/l	100
21) t-Butyl Alcohol	3.041	59	6772	61.97	ug/l	97
22) n-Hexane	3.414	57	20548	15.69	ug/l	98
23) Di-isopropyl-ether	3.570	45	113494	18.39	ug/l	96
24) 1,1-Dichloroethene	2.615	61	39708	16.73	ug/l	95
25) Methyl Acetate	2.885	43	28991	16.01	ug/l	100
26) Methyl-t-butyl ether	3.192	73	50779	17.44	ug/l	80
27) 1,1-Dichloroethane	3.516	63	49699	17.47	ug/l	99
28) trans-1,2-Dichloroethene	3.192	96	22277	18.58	ug/l	88
29) cis-1,2-Dichloroethene	3.949	61	47360	17.06	ug/l	100
30) Bromochloromethane	4.105	49	28544	17.23	ug/l	60
31) 2,2-Dichloropropane	3.961	77	24290	15.40	ug/l	94
32) Ethyl acetate	3.985	43	33980	15.63	ug/l	87
33) 1,4-Dioxane	5.013	88	9232	822.61	ug/l	51
34) 1,1-Dichloropropene	4.376	75	34276	19.71	ug/l	96
35) Chloroform	4.153	83	43932	18.75	ug/l	84
37) Cyclohexane	4.328	56	35125	17.84	ug/l	77
39) 1,2-Dichloroethane	4.496	62	39489	18.94	ug/l	91
40) 2-Butanone	3.943	43	11530	14.85	ug/l	87
41) 1,1,1-Trichloroethane	4.286	97	29830	18.91	ug/l	94
42) Carbon Tetrachloride	4.388	117	23693	20.31	ug/l	91
43) Vinyl Acetate	3.540	43	50518m	12.68	ug/l	
44) Bromodichloromethane	5.079	83	31216	18.33	ug/l	89
45) Methylcyclohexane	4.953	83	21586	17.95	ug/l	78
46) Dibromomethane	5.013	174	12652	20.92	ug/l	93
47) 1,2-Dichloropropane	4.947	63	26546	18.13	ug/l	93
48) Trichloroethene	4.833	130	19524	18.57	ug/l	86
49) Benzene	4.496	78	94680	19.33	ug/l	100
50) tert-Amyl methyl ether	4.550	73	53027	17.57	ug/l	79
52) Iso-propylacetate	4.502	43	52902	15.72	ug/l	84
53) Methyl methacrylate	4.983	41	31880	14.89	ug/l	83
54) Dibromochloromethane	5.891	129	19346	17.51	ug/l	100
56) cis-1,3-Dichloropropene	5.308	75	31546	14.54	ug/l	91
57) trans-1,3-Dichloropropene	5.578	75	25347	13.40	ug/l	97
58) Ethyl methacrylate	5.608	41	32681	14.68	ug/l	95
59) 1,1,2-Trichloroethane	5.680	97	17944	16.95	ug/l	89
60) 1,2-Dibromoethane	5.957	107	17841	16.95	ug/l	93
61) 1,3-Dichloropropane	5.764	76	34675	18.02	ug/l	97
62) 4-Methyl-2-Pentanone	5.374	43	31832	13.70	ug/l	95
63) 2-Hexanone	5.789	43	22758	15.32	ug/l	90
64) Tetrachloroethene	5.777	164	14507	19.28	ug/l	99
66) Toluene	5.488	92	53212	18.70	ug/l	89
67) 1,1,1,2-Tetrachloroethane	6.239	133	16678	19.68	ug/l	64
68) Chlorobenzene	6.209	112	52761	18.41	ug/l	100

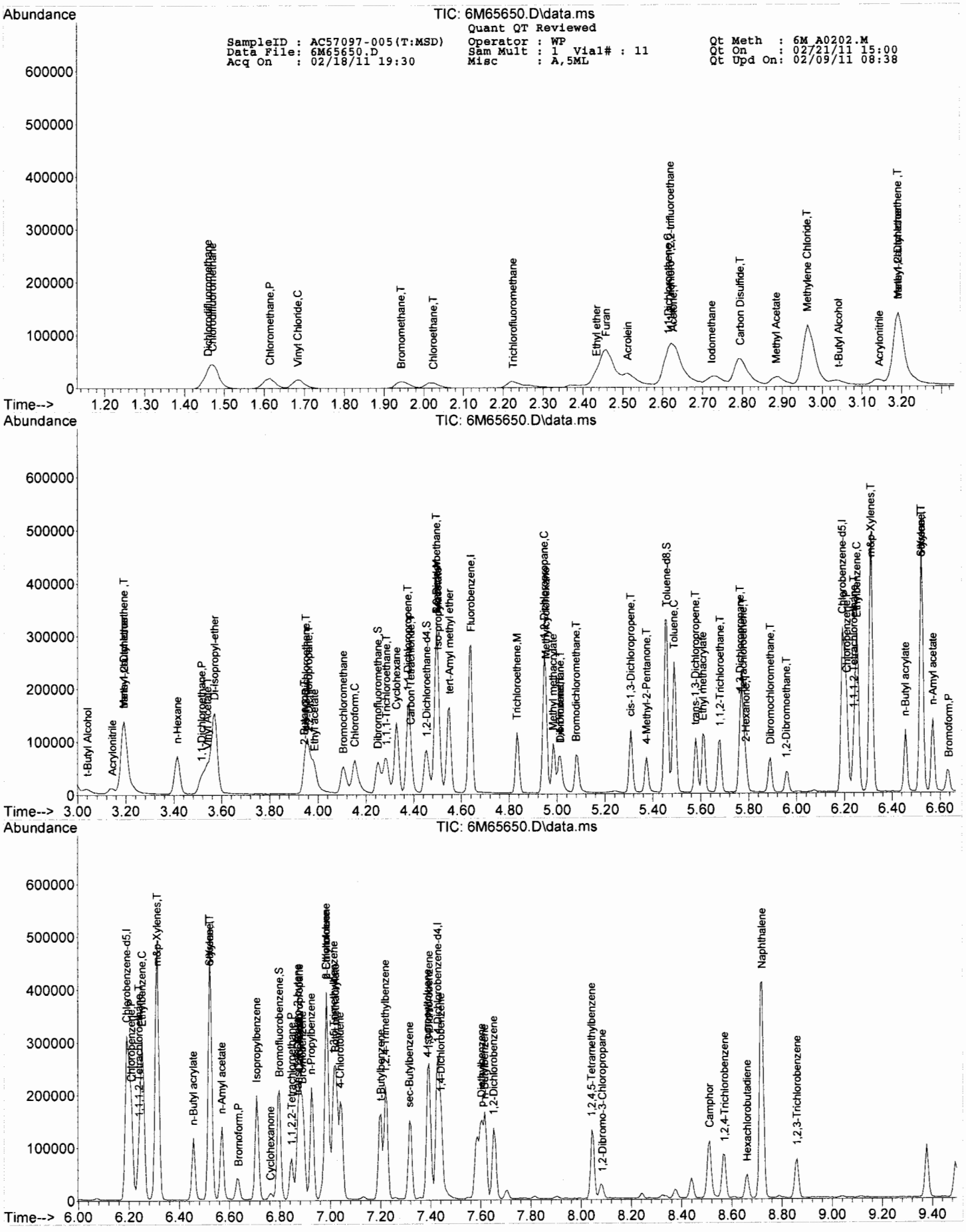
Quantitation Report (QT Reviewed)

SampleID : AC57097-005(T:MSD) Operator : WP Qt Meth : 6M_A0202.M
Data File: 6M65650.D Sam Mult : 1 Vial# : 11 Qt On : 02/21/11 15:00
Acq On : 02/18/11 19:30 Misc : A,5ML Qt Upd On: 02/09/11 08:38

Data Path : G:\GcMsData\2011\GCMS_6\Data\02-18-11\
Qt Path : G:\GcMsData\2011\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) n-Butyl acrylate	6.456	55	41825	13.11 ug/l	93
71) n-Amyl acetate	6.570	43	51590	14.79 ug/l	95
72) Bromoform	6.636	173	12033	17.40 ug/l	100
73) Ethylbenzene	6.251	106	29088	22.05 ug/l	99
74) 1,1,2,2-Tetrachloroethane	6.846	83	25307	17.02 ug/l	90
76) Styrene	6.522	104	55051	20.61 ug/l	91
77) m&p-Xylenes	6.311	106	70254	46.65 ug/l	95
78) o-Xylene	6.522	106	34963	24.00 ug/l	89
79) trans-1,4-Dichloro-2-b...	6.871	53	11870	17.33 ug/l	76
80) 1,3-Dichlorobenzene	7.394	146	35453	20.69 ug/l	91
81) 1,4-Dichlorobenzene	7.442	146	35354	18.43 ug/l	95
82) 1,2-Dichlorobenzene	7.652	146	32080	18.18 ug/l	95
83) Isopropylbenzene	6.708	105	70182	18.79 ug/l	98
84) Cyclohexanone	6.762	55	3460	61.88 ug/l	86
85) Camphene	6.877	93	16393	15.01 ug/l	92
86) 1,2,3-Trichloropropane	6.877	75	29823	17.82 ug/l	81
87) 2-Chlorotoluene	6.985	91	69348	19.94 ug/l	94
88) p-Ethyltoluene	6.985	105	90384	21.02 ug/l	79
89) 4-Chlorotoluene	7.039	91	60728	17.91 ug/l	95
90) n-Propylbenzene	6.925	91	98171	19.83 ug/l	95
91) Bromobenzene	6.889	77	55819	18.61 ug/l	87
92) 1,3,5-Trimethylbenzene	7.015	105	66074	22.95 ug/l	95
93) Butyl methacrylate	7.021	41	49029	18.14 ug/l	95
94) t-Butylbenzene	7.201	119	49875	18.99 ug/l	90
95) 1,2,4-Trimethylbenzene	7.219	105	73798	23.95 ug/l	96
96) sec-Butylbenzene	7.315	105	64085	18.47 ug/l	94
97) 4-Isopropyltoluene	7.388	119	49861	18.66 ug/l	95
98) n-Butylbenzene	7.616	91	70991	22.59 ug/l	85
99) p-Diethylbenzene	7.604	119	30047	20.73 ug/l	92
100) 1,2,4,5-Tetramethylben...	8.043	119	42180	15.71 ug/l	91
101) 1,2-Dibromo-3-Chloropr...	8.085	157	3443	15.05 ug/l	90
102) Camphor	8.512	95	14248	150.06 ug/l	100
103) Hexachlorobutadiene	8.662	225	5633	17.35 ug/l	99
104) 1,2,4-Trichlorobenzene	8.572	180	16812	18.26 ug/l	96
105) 1,2,3-Trichlorobenzene	8.860	180	14692	17.51 ug/l	97
106) Naphthalene	8.722	128	217592	82.01 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 6M65650.D\data.ms
Quant QT Reviewed
SampleID : AC57097-005(T:MSD)
Data File: 6M65650.D
Acq On : 02/18/11 19:30
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 6M_A0202.M
Qt On : 02/21/11 15:00
Qt Upd On: 02/09/11 08:38
Time-->
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Vinyl Acetate
Di-isopropyl-ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88074.D	MBS6079	2/22/2011 12:17:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.66	0	20	78	21	137
1,1-Dichloroethene	1	20.41	0	20	102	21	133
1,1-Dichloroethane	1	19.15	0	20	96	44	134
Chloroform	1	19.53	0	20	98	40	148
1,2-Dichloroethane	1	20.53	0	20	103	43	144
2-Butanone	1	16.24	0	20	81	25	157
Carbon Tetrachloride	1	21.08	0	20	105	42	146
Trichloroethene	1	19.92	0	20	100	46	127
Benzene	1	20.4	0	20	102	49	135
Tetrachloroethene	1	19.93	0	20	100	42	138
Toluene	1	19.32	0	20	97	53	129
Chlorobenzene	1	19.79	0	20	99	51	129
1,4-Dichlorobenzene	1	18.71	0	20	94	45	128
1,2-Dichlorobenzene	1	18.19	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	17.42	0	20	87	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS | Operator : WP | Qt Meth : 3M_A0209.M
Data File: 3M88074.D | Sam Mult : 1 Vial# : 6 | Qt On : 02/22/11 13:14
Acq On : 02/22/11 12:17 | Misc : A,5ML | Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	178400	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	157507	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.820	152	102108	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	46885	31.17	ug/l	0.01
Spiked Amount 30.000			Recovery = 103.90%			
35) 1,2-Dichloroethane-d4	4.356	102	10584	30.89	ug/l	0.01
Spiked Amount 30.000			Recovery = 102.97%			
59) Toluene-d8	5.523	100	126149	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
67) Bromofluorobenzene	7.098	174	88358	29.02	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.73%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.277	51	51930	19.02	ug/l	79
6) Dichlorodifluoromethane	1.261	85	19791	17.40	ug/l	91
7) Chloromethane	1.394	50	28049	19.24	ug/l	87
8) Bromomethane	1.710	94	6241	17.97	ug/l	96
9) Vinyl Chloride	1.477	62	14196	15.66	ug/l	99
10) Chloroethane	1.793	66	2022	20.78	ug/l	67
11) Trichlorofluoromethane	1.976	101	13138	19.21	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.354	101	13616	30.22	ug/l	93
13) Methylene Chloride	2.739	84	24367	19.60	ug/l	87
14) Acrolein	2.300	56	8169	110.33	ug/l	96
15) Acrylonitrile	2.937	53	11557	19.47	ug/l	92
16) Iodomethane	2.486	142	35011	20.99	ug/l	96
17) Acetone	2.420	43	49109	79.95	ug/l	95
18) Carbon Disulfide	2.540	76	70501	19.71	ug/l	100
19) t-Butyl Alcohol	2.829	59	6813	58.77	ug/l	72
20) n-Hexane	3.154	57	14943	18.85	ug/l	78
21) Di-isopropyl-ether	3.334	45	111790	19.91	ug/l	75
22) 1,1-Dichloroethene	2.360	61	36014	20.41	ug/l	83
23) Methyl Acetate	2.661	43	32977	17.71	ug/l	100
24) Methyl-t-butyl ether	2.949	73	44109	20.04	ug/l	89
25) 1,1-Dichloroethane	3.298	63	49324	19.15	ug/l	95
26) trans-1,2-Dichloroethene	2.949	96	19301	22.56	ug/l	97
27) cis-1,2-Dichloroethene	3.773	61	44382	18.27	ug/l	83
28) Bromochloromethane	3.953	49	35075	18.84	ug/l	91
29) 2,2-Dichloropropane	3.773	77	24170	19.30	ug/l	95
30) 1,4-Dioxane	5.012	88	14066	772.31	ug/l	62
31) 1,1-Dichloropropene	4.248	75	38453	20.59	ug/l	95
32) Chloroform	4.008	83	44345	19.53	ug/l	95
34) Cyclohexane	4.176	56	36635	20.53	ug/l	78
36) 1,2-Dichloroethane	4.404	62	48666	20.53	ug/l	98
37) 2-Butanone	3.785	43	19697	16.24	ug/l	78
38) 1,1,1-Trichloroethane	4.140	97	31902	19.32	ug/l	98
39) Carbon Tetrachloride	4.254	117	28648	21.08	ug/l	95
40) Vinyl Acetate	3.328	43	123882	18.64	ug/l	100
41) Bromodichloromethane	5.096	83	39610	17.86	ug/l	92
42) Methylcyclohexane	4.903	83	23099	20.89	ug/l	88
43) Dibromomethane	5.006	174	27987	21.14	ug/l	92
44) 1,2-Dichloropropane	4.928	63	40668	18.15	ug/l	97
45) Trichloroethene	4.789	130	29384	19.92	ug/l	96
46) Benzene	4.392	78	115448	20.40	ug/l	100
47) tert-Amyl methyl ether	4.446	73	55391	15.85	ug/l	85
49) Dibromochloromethane	6.052	129	32389	15.69	ug/l	96
50) 2-Chloroethylvinylether	5.264	63	23891	14.64	ug/l	82
51) cis-1,3-Dichloropropene	5.360	75	48394	15.30	ug/l	94
52) trans-1,3-Dichloropropene	5.691	75	39410	13.44	ug/l	97
53) 1,1,2-Trichloroethane	5.805	97	31541	19.06	ug/l	95
54) 1,2-Dibromoethane	6.130	107	35086	17.33	ug/l	95
55) 1,3-Dichloropropane	5.908	76	60592	21.13	ug/l	92
56) 4-Methyl-2-Pentanone	5.445	43	47711	12.53	ug/l	95
57) 2-Hexanone	5.938	43	33655	11.87	ug/l	90
58) Tetrachloroethene	5.896	164	27361	19.93	ug/l	98
60) Toluene	5.565	92	73082	19.32	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.455	133	30140	21.40	ug/l	90
62) Chlorobenzene	6.413	112	88678	19.79	ug/l	99
64) Bromoform	6.918	173	25689	15.58	ug/l	96
65) Ethylbenzene	6.461	106	33568	20.03	ug/l	93
66) 1,1,2,2-Tetrachloroethane	7.164	83	50740	18.83	ug/l	88
68) Styrene	6.780	104	87506	19.76	ug/l	99
69) m&p-Xylenes	6.527	106	102128	45.31	ug/l	97

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 3M88074.D
Acq On : 02/22/11 12:17

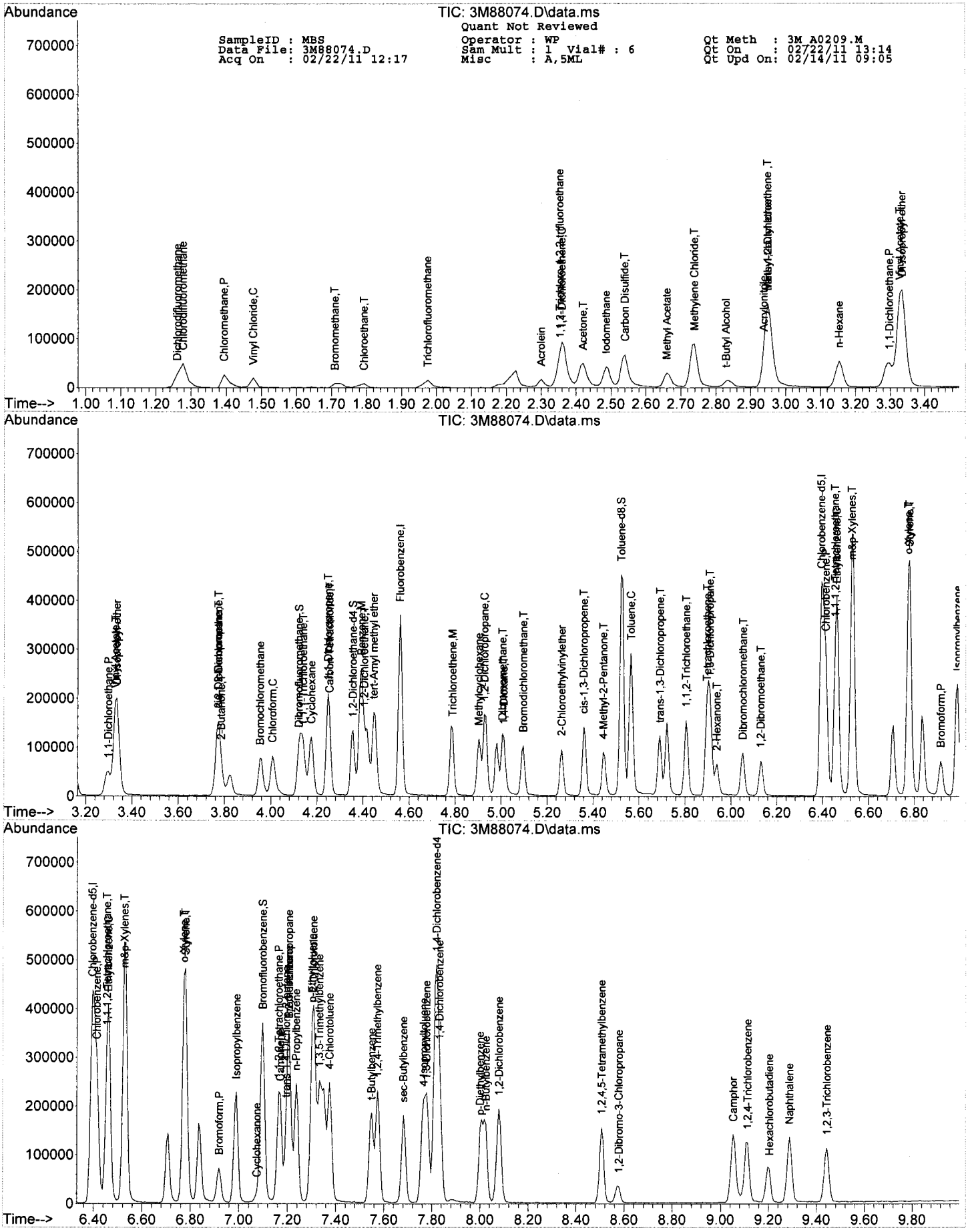
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML

Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:14
Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70)	o-Xylene	6.774	106	51626	21.53 ug/l	93
71)	trans-1,4-Dichloro-2-b...	7.195	53	19146	16.54 ug/l	58
72)	1,3-Dichlorobenzene	7.778	146	67546	18.95 ug/l	97
73)	1,4-Dichlorobenzene	7.832	146	70411	18.71 ug/l	94
74)	1,2-Dichlorobenzene	8.079	146	66784	18.19 ug/l	99
75)	Isopropylbenzene	6.990	105	104714	18.40 ug/l	98
76)	Cyclohexanone	7.074	55	6816	37.00 ug/l	93
77)	Camphene	7.170	93	24590	18.02 ug/l	96
78)	1,2,3-Trichloropropane	7.207	75	54306	15.41 ug/l	92
79)	2-Chlorotoluene	7.309	91	78317	19.15 ug/l	98
80)	p-Ethyltoluene	7.303	105	127416	20.86 ug/l	98
81)	4-Chlorotoluene	7.375	91	85374	21.33 ug/l	98
82)	n-Propylbenzene	7.237	91	137300	19.17 ug/l	99
83)	Bromobenzene	7.207	77	98006	18.89 ug/l	87
84)	1,3,5-Trimethylbenzene	7.333	105	85974	18.29 ug/l	94
85)	t-Butylbenzene	7.549	119	72761	18.06 ug/l	95
86)	1,2,4-Trimethylbenzene	7.573	105	99063	20.25 ug/l	87
87)	sec-Butylbenzene	7.682	105	89375	17.42 ug/l	96
88)	4-Isopropyltoluene	7.766	119	71368	19.48 ug/l	99
89)	n-Butylbenzene	8.024	91	82818	18.04 ug/l	98
90)	p-Diethylbenzene	8.000	119	38116	17.43 ug/l	95
91)	1,2,4,5-Tetramethylben...	8.505	119	64973	15.62 ug/l	97
92)	1,2-Dibromo-3-Chloropr...	8.578	157	9046	11.26 ug/l	90
93)	Camphor	9.053	95	29309	102.09 ug/l	96
94)	Hexachlorobutadiene	9.203	225	14211	14.27 ug/l	98
95)	1,2,4-Trichlorobenzene	9.113	180	36450	16.48 ug/l	97
96)	1,2,3-Trichlorobenzene	9.444	180	34059	15.64 ug/l	99
97)	Naphthalene	9.287	128	89163	13.94 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : MBS
Data File: 3M88074.D
Acq On : 02/22/11 12:17
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 3M_A0209.M
Qt On : 02722/11 13:14
Qt Upd On: 02/14/11 09:05
Time-->

Form3
Recovery Data
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.9	0	20	79	21	137
1,1-Dichloroethene	1	19.84	0	20	99	21	133
1,1-Dichloroethane	1	18.48	0	20	92	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	19.11	0	20	96	43	144
2-Butanone	1	20.25	0	20	101	25	157
Carbon Tetrachloride	1	18.58	0	20	93	42	146
Trichloroethene	1	19.01	0	20	95	46	127
Benzene	1	20.5	0	20	102	49	135
Tetrachloroethene	1	17.39	0	20	87	42	138
Toluene	1	18.81	0	20	94	53	129
Chlorobenzene	1	18.38	0	20	92	51	129
1,4-Dichlorobenzene	1	17.57	0	20	88	45	128
1,2-Dichlorobenzene	1	17.98	0	20	90	50	126
n-Propylbenzene	1	20.21	0	20	101	45	135
sec-Butylbenzene	1	18.47	0	20	92	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Non Spike(If applicable):	3M88077.D	AC57097-010(T)	2/22/2011 1:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	15.78	0	20	79	21	137
1,1-Dichloroethene	1	19.26	0	20	96	21	133
1,1-Dichloroethane	1	18.62	0	20	93	44	134
Chloroform	1	18.71	0	20	94	40	148
1,2-Dichloroethane	1	19.52	0	20	98	43	144
2-Butanone	1	16.45	0	20	82	25	157
Carbon Tetrachloride	1	19.6	0	20	98	42	146
Trichloroethene	1	18.78	0	20	94	46	127
Benzene	1	19.8	0	20	99	49	135
Tetrachloroethene	1	16.96	0	20	85	42	138
Toluene	1	17.96	0	20	90	53	129
Chlorobenzene	1	17.71	0	20	89	51	129
1,4-Dichlorobenzene	1	17.81	0	20	89	45	128
1,2-Dichlorobenzene	1	17.69	0	20	88	50	126
n-Propylbenzene	1	19.92	0	20	100	45	135
sec-Butylbenzene	1	17.96	0	20	90	43	123

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: MBS6079

	Data File	Sample ID:	Analysis Date
Spike or Dup:	3M88103.D	AC57097-010(T:MSD)	2/22/2011 8:55:00 PM
Duplicate(If applicable):	3M88102.D	AC57097-010(T:MS)	2/22/2011 8:38:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	15.78	15.9	0.76	30
1,1-Dichloroethene	1	19.26	19.84	3	34
1,1-Dichloroethane	1	18.62	18.48	0.75	30
Chloroform	1	18.71	18.17	2.9	37
1,2-Dichloroethane	1	19.52	19.11	2.1	34
2-Butanone	1	16.45	20.25	21	47
Carbon Tetrachloride	1	19.6	18.58	5.3	32
Trichloroethene	1	18.78	19.01	1.2	30
Benzene	1	19.8	20.5	3.5	29
Tetrachloroethene	1	16.96	17.39	2.5	27
Toluene	1	17.96	18.81	4.6	33
Chlorobenzene	1	17.71	18.38	3.7	30
1,4-Dichlorobenzene	1	17.81	17.57	1.4	30
1,2-Dichlorobenzene	1	17.69	17.98	1.6	34
n-Propylbenzene	1	19.92	20.21	1.4	32
sec-Butylbenzene	1	17.96	18.47	2.8	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

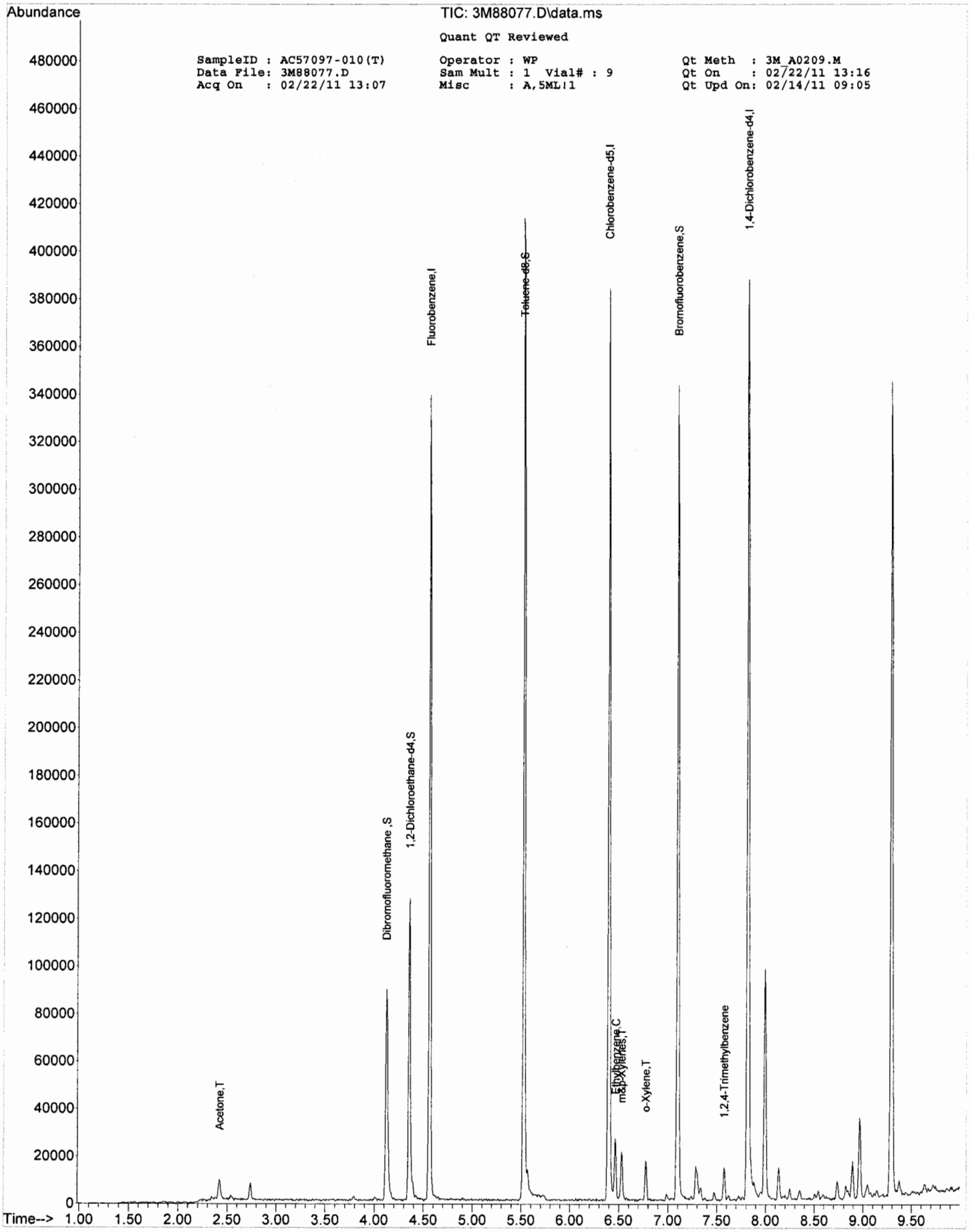
Quantitation Report (QT Reviewed)

SampleID : AC57097-010(T) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88077.D Sam Mult : 1 Vial# : 9 Qt On : 02/22/11 13:16
Acq On : 02/22/11 13:07 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	162186	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	145987	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.821	152	90460	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	44379	32.46	ug/l	0.01
Spiked Amount 30.000			Recovery = 108.20%			
35) 1,2-Dichloroethane-d4	4.357	102	9932	31.88	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.27%			
59) Toluene-d8	5.523	100	111719	27.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.50%			
67) Bromofluorobenzene	7.099	174	77855	28.87	ug/l	0.01
Spiked Amount 30.000			Recovery = 96.23%			
Target Compounds						Qvalue
17) Acetone	2.421	43	9424	16.88	ug/l	97
65) Ethylbenzene	6.468	106	2870	1.93	ug/l	98
69) m&p-Xylenes	6.528	106	4004	2.01	ug/l	96
70) o-Xylene	6.774	106	2769	1.30	ug/l	96
86) 1,2,4-Trimethylbenzene	7.574	105	6404	1.48	ug/l	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Data File: 3M88077.D
Acq On : 02/22/11 13:07
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML;1
Qt Meth : 3M_A0209.M
Qt On : 02/22/11 13:16
Qt Upd On: 02/14/11 09:05
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Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I

Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MS) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88102.D Sam Mult : 1 Vial# : 29 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:38 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.561	96	171651	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.395	117	160787	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.814	152	96189	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.122	111	41491	28.67	ug/l	0.01
Spiked Amount 30.000			Recovery = 95.57%			
35) 1,2-Dichloroethane-d4	4.351	102	10007	30.35	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.17%			
59) Toluene-d8	5.523	100	123137	27.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.57%			
67) Bromofluorobenzene	7.093	174	85262	29.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.10%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.275	51	45754	17.42	ug/l	94
6) Dichlorodifluoromethane	1.258	85	17320	15.82	ug/l	93
7) Chloromethane	1.391	50	23767	16.94	ug/l	86
8) Bromomethane	1.724	94	5358	16.04	ug/l	99
9) Vinyl Chloride	1.474	62	13869	15.90	ug/l	93
10) Chloroethane	1.790	66	1752	18.71	ug/l	82
11) Trichlorofluoromethane	1.973	101	12264	18.64	ug/l	92
12) 1,1,2-Trichloro-1,2,2-...	2.348	101	11390	26.27	ug/l	93
13) Methylene Chloride	2.733	84	22591	18.89	ug/l	98
14) Acrolein	2.294	56	7471	104.87	ug/l	93
15) Acrylonitrile	2.938	53	12159	21.29	ug/l	81
16) Iodomethane	2.487	142	29961	18.67	ug/l	92
17) Acetone	2.414	43	59238	100.23	ug/l	98
18) Carbon Disulfide	2.535	76	59112	17.18	ug/l	100
19) t-Butyl Alcohol	2.835	59	7750	69.48	ug/l	87
20) n-Hexane	3.148	57	15600	20.45	ug/l	72
21) Di-isopropyl-ether	3.328	45	114478	21.19	ug/l	76
22) 1,1-Dichloroethene	2.360	61	33685	19.84	ug/l	81
23) Methyl Acetate	2.655	43	32908	18.37	ug/l	100
24) Methyl-t-butyl ether	2.950	73	46060	21.75	ug/l	91
25) 1,1-Dichloroethane	3.286	63	45805	18.48	ug/l	91
26) trans-1,2-Dichloroethene	2.944	96	17910	21.76	ug/l	79
27) cis-1,2-Dichloroethene	3.767	61	42873	18.34	ug/l	81
28) Bromochloromethane	3.954	49	32647	18.23	ug/l	86
29) 2,2-Dichloropropane	3.767	77	21242	17.63	ug/l	92
30) 1,4-Dioxane	5.006	88	15129	863.33	ug/l	64
31) 1,1-Dichloropropene	4.248	75	36232	20.17	ug/l	97
32) Chloroform	4.008	83	39687	18.17	ug/l	99
34) Cyclohexane	4.170	56	39279	22.88	ug/l	75
36) 1,2-Dichloroethane	4.399	62	43598	19.11	ug/l	99
37) 2-Butanone	3.785	43	23637	20.25	ug/l	82
38) 1,1,1-Trichloroethane	4.134	97	30598	19.26	ug/l	94
39) Carbon Tetrachloride	4.248	117	24291	18.58	ug/l	86
40) Vinyl Acetate	3.322	43	124678	19.50	ug/l	100
41) Bromodichloromethane	5.090	83	34694	16.26	ug/l	96
42) Methylcyclohexane	4.904	83	23947	22.51	ug/l	73
43) Dibromomethane	5.006	174	23837	18.71	ug/l	99
44) 1,2-Dichloropropane	4.928	63	40230	18.66	ug/l	95
45) Trichloroethene	4.784	130	26981	19.01	ug/l	94
46) Benzene	4.387	78	111657	20.50	ug/l	100
47) tert-Amyl methyl ether	4.447	73	57291	17.04	ug/l	85
49) Dibromochloromethane	6.046	129	26870	12.75	ug/l	93
51) cis-1,3-Dichloropropene	5.361	75	44793	13.87	ug/l	95
52) trans-1,3-Dichloropropene	5.686	75	35223	11.76	ug/l	96
53) 1,1,2-Trichloroethane	5.806	97	28417	16.83	ug/l	97
54) 1,2-Dibromoethane	6.125	107	33109	16.02	ug/l	97
55) 1,3-Dichloropropane	5.908	76	58398	19.95	ug/l	93
56) 4-Methyl-2-Pentanone	5.445	43	57769	14.86	ug/l	91
57) 2-Hexanone	5.932	43	42523	14.69	ug/l	87
58) Tetrachloroethene	5.896	164	24378	17.39	ug/l	92
60) Toluene	5.565	92	72662	18.81	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.455	133	27654	19.24	ug/l	91
62) Chlorobenzene	6.413	112	84081	18.38	ug/l	97
64) Bromoform	6.912	173	20913	13.97	ug/l	99
65) Ethylbenzene	6.461	106	36128	22.88	ug/l	88
66) 1,1,2,2-Tetrachloroethane	7.165	83	49892	19.65	ug/l	86
68) Styrene	6.780	104	85690	20.54	ug/l	98
69) m&p-Xylenes	6.527	106	105461	49.67	ug/l	98
70) o-Xylene	6.774	106	52098	23.07	ug/l	88

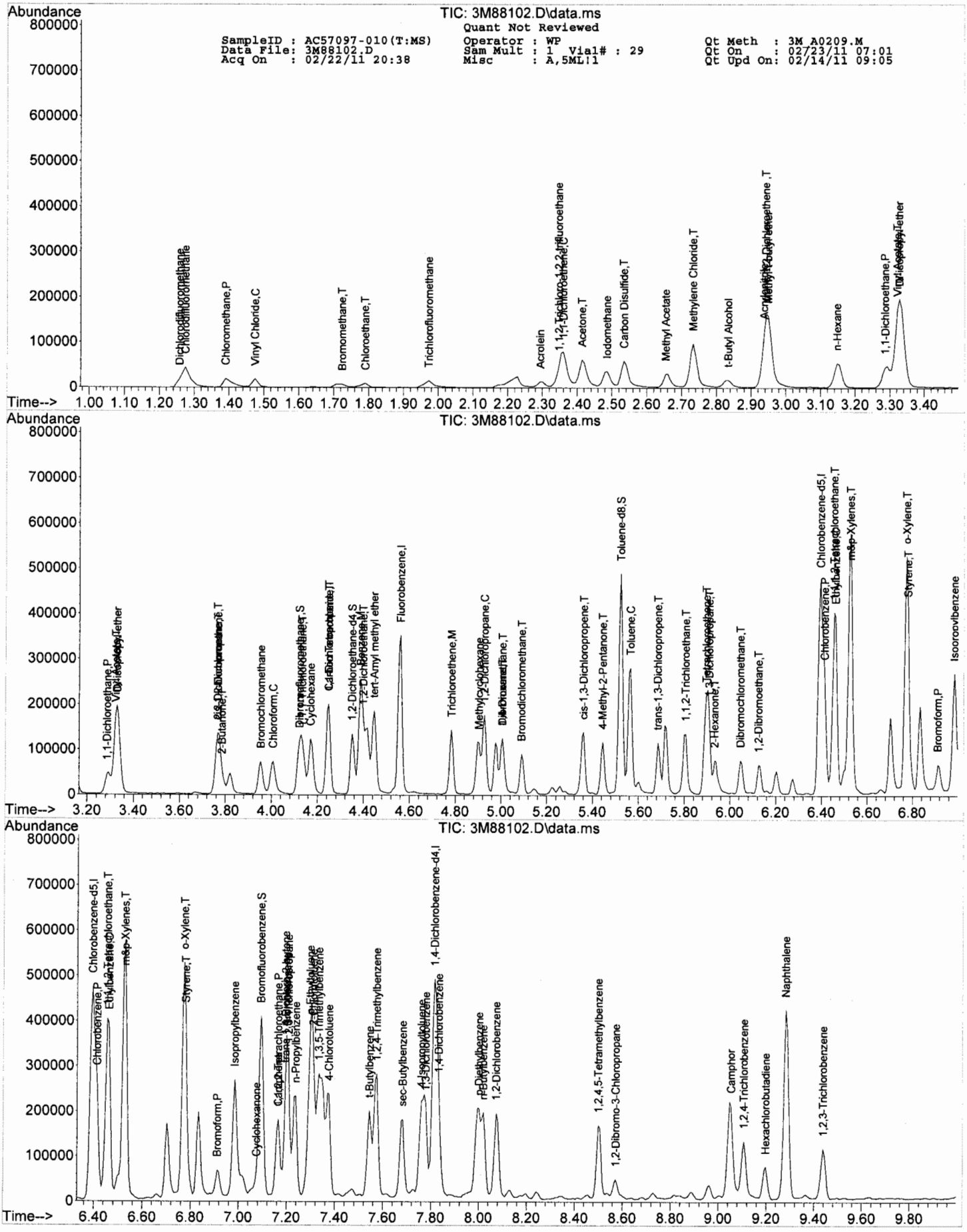
Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MS) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88102.D Sam Mult : 1 Vial# : 29 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:38 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.195	53	16286	14.93 ug/l	76
72) 1,3-Dichlorobenzene	7.778	146	63410	18.88 ug/l	97
73) 1,4-Dichlorobenzene	7.832	146	62298	17.57 ug/l	89
74) 1,2-Dichlorobenzene	8.073	146	62178	17.98 ug/l	98
75) Isopropylbenzene	6.984	105	105376	19.66 ug/l	99
76) Cyclohexanone	7.075	55	9385	54.08 ug/l	85
77) Camphene	7.165	93	11043	8.59 ug/l	93
78) 1,2,3-Trichloropropane	7.207	75	53457	16.11 ug/l	91
79) 2-Chlorotoluene	7.309	91	80930	21.01 ug/l	98
80) p-Ethyltoluene	7.297	105	130743	22.72 ug/l	97
81) 4-Chlorotoluene	7.375	91	79318	21.04 ug/l	98
82) n-Propylbenzene	7.237	91	136387	20.21 ug/l	99
83) Bromobenzene	7.201	77	93960	19.23 ug/l	86
84) 1,3,5-Trimethylbenzene	7.333	105	95685	21.61 ug/l	96
85) t-Butylbenzene	7.544	119	75858	19.98 ug/l	93
86) 1,2,4-Trimethylbenzene	7.574	105	115528	25.07 ug/l	89
87) sec-Butylbenzene	7.682	105	89272	18.47 ug/l	93
88) 4-Isopropyltoluene	7.760	119	72985	21.15 ug/l	98
89) n-Butylbenzene	8.019	91	91537	21.17 ug/l	94
90) p-Diethylbenzene	8.001	119	44697	21.70 ug/l	94
91) 1,2,4,5-Tetramethylben...	8.500	119	77403	19.76 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.572	157	7971	10.53 ug/l	98
93) Camphor	9.053	95	45343	167.67 ug/l	92
94) Hexachlorobutadiene	9.197	225	14200	15.14 ug/l	97
95) 1,2,4-Trichlorobenzene	9.107	180	36013	17.28 ug/l	99
96) 1,2,3-Trichlorobenzene	9.438	180	33757	16.46 ug/l	99
97) Naphthalene	9.282	128	276213	45.86 ug/l	100

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


TIC: 3M88102.D\data.ms
Quant Not Reviewed
SampleID : AC57097-010(T:MS)
Data File: 3M88102.D
Acq On : 02/22/11 20:38
Operator : WP
Sam Mult : 1 Vial# : 29
Misc : A,5ML!1
Qt Meth : 3M_A0209.M
Qt On : 02/23/11 07:01
Qt Upd On: 02/14/11 09:05
Abundance
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MSD) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88103.D Sam Mult : 1 Vial# : 30 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:55 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.556	96	173313	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.390	117	161305	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.815	152	98438	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.123	111	43616	29.85	ug/l	0.01
Spiked Amount 30.000			Recovery =	99.50%		
35) 1,2-Dichloroethane-d4	4.352	102	10587	31.80	ug/l	0.00
Spiked Amount 30.000			Recovery =	106.00%		
59) Toluene-d8	5.524	100	121978	27.42	ug/l	0.00
Spiked Amount 30.000			Recovery =	91.40%		
67) Bromofluorobenzene	7.094	174	84698	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.20%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.275	51	47955	18.08	ug/l	84
6) Dichlorodifluoromethane	1.258	85	16222	14.68	ug/l	86
7) Chloromethane	1.391	50	24942	17.61	ug/l	85
8) Bromomethane	1.724	94	5693	16.88	ug/l	97
9) Vinyl Chloride	1.474	62	13904	15.78	ug/l	94
10) Chloroethane	1.790	66	1717	18.16	ug/l	76
11) Trichlorofluoromethane	1.973	101	12419	18.70	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.349	101	11153	25.48	ug/l	91
13) Methylene Chloride	2.734	84	22250	18.43	ug/l	96
14) Acrolein	2.295	56	7016	97.54	ug/l	92
15) Acrylonitrile	2.938	53	10799	18.73	ug/l	99
16) Iodomethane	2.487	142	31766	19.61	ug/l	99
17) Acetone	2.415	43	54033	90.54	ug/l	92
18) Carbon Disulfide	2.536	76	61593	17.73	ug/l	100
19) t-Butyl Alcohol	2.830	59	6922	61.46	ug/l	92
20) n-Hexane	3.149	57	15506	20.13	ug/l	72
21) Di-isopropyl-ether	3.329	45	113403	20.79	ug/l	75
22) 1,1-Dichloroethene	2.361	61	33024	19.26	ug/l	82
23) Methyl Acetate	2.656	43	30717	16.98	ug/l	100
24) Methyl-t-butyl ether	2.951	73	43371	20.28	ug/l	90
25) 1,1-Dichloroethane	3.287	63	46597	18.62	ug/l	88
26) trans-1,2-Dichloroethene	2.945	96	17776	21.39	ug/l	90
27) cis-1,2-Dichloroethene	3.768	61	43582	18.46	ug/l	85
28) Bromochloromethane	3.955	49	32877	18.18	ug/l	90
29) 2,2-Dichloropropane	3.768	77	22066	18.14	ug/l	97
30) 1,4-Dioxane	5.007	88	14034	793.17	ug/l	53
31) 1,1-Dichloropropene	4.243	75	36829	20.30	ug/l	96
32) Chloroform	4.003	83	41272	18.71	ug/l	92
34) Cyclohexane	4.171	56	38350	22.13	ug/l	76
36) 1,2-Dichloroethane	4.400	62	44969	19.52	ug/l	99
37) 2-Butanone	3.780	43	19380	16.45	ug/l	70
38) 1,1,1-Trichloroethane	4.135	97	30572	19.06	ug/l	91
39) Carbon Tetrachloride	4.249	117	25880	19.60	ug/l	96
40) Vinyl Acetate	3.323	43	122989	19.05	ug/l	100
41) Bromodichloromethane	5.091	83	36535	16.96	ug/l	94
42) Methylcyclohexane	4.899	83	23119	21.52	ug/l	74
43) Dibromomethane	5.007	174	24292	18.89	ug/l	91
44) 1,2-Dichloropropane	4.929	63	38566	17.72	ug/l	95
45) Trichloroethene	4.785	130	26911	18.78	ug/l	93
46) Benzene	4.388	78	108884	19.80	ug/l	100
47) tert-Amyl methyl ether	4.448	73	58907	17.35	ug/l	82
49) Dibromochloromethane	6.047	129	27110	12.82	ug/l	96
51) cis-1,3-Dichloropropene	5.356	75	43429	13.41	ug/l	94
52) trans-1,3-Dichloropropene	5.687	75	35986	11.98	ug/l	98
53) 1,1,2-Trichloroethane	5.801	97	27842	16.43	ug/l	93
54) 1,2-Dibromoethane	6.126	107	31175	15.03	ug/l	90
55) 1,3-Dichloropropane	5.903	76	57438	19.56	ug/l	91
56) 4-Methyl-2-Pentanone	5.446	43	53402	13.70	ug/l	90
57) 2-Hexanone	5.933	43	37380	12.88	ug/l	92
58) Tetrachloroethene	5.891	164	23844	16.96	ug/l	94
60) Toluene	5.560	92	69582	17.96	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.450	133	27401	19.00	ug/l	91
62) Chlorobenzene	6.408	112	81271	17.71	ug/l	97
64) Bromoform	6.913	173	21169	13.86	ug/l	100
65) Ethylbenzene	6.462	106	34616	21.42	ug/l	89
66) 1,1,2,2-Tetrachloroethane	7.160	83	48625	18.72	ug/l	84
68) Styrene	6.775	104	84794	19.86	ug/l	98
69) m&p-Xylenes	6.528	106	102105	46.99	ug/l	92
70) o-Xylene	6.769	106	52802	22.84	ug/l	93

lw

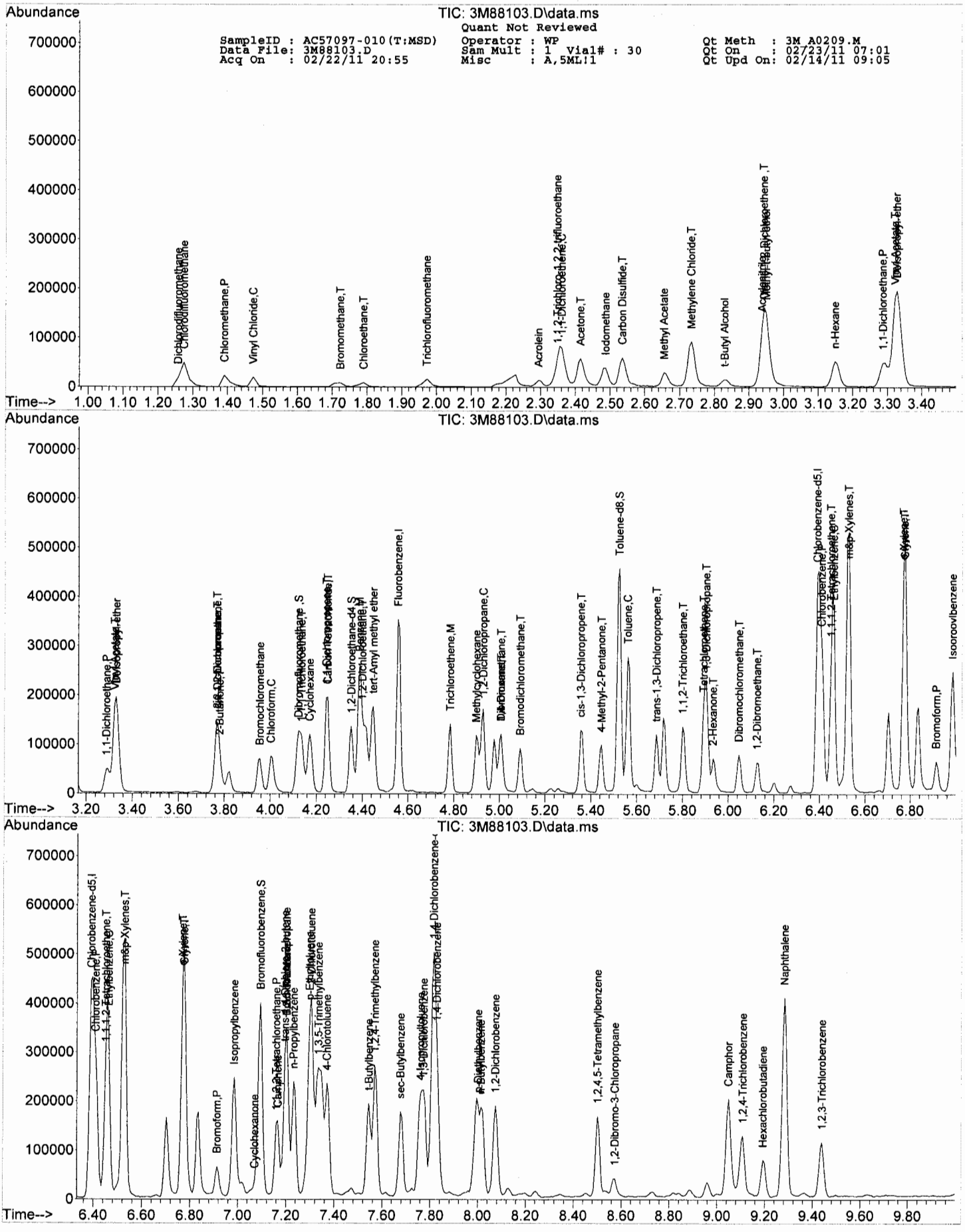
Quantitation Report (Not Reviewed)

SampleID : AC57097-010(T:MSD) Operator : WP Qt Meth : 3M_A0209.M
Data File: 3M88103.D Sam Mult : 1 Vial# : 30 Qt On : 02/23/11 07:01
Acq On : 02/22/11 20:55 Misc : A,5ML!1 Qt Upd On: 02/14/11 09:05

Data Path : G:\GcMsData\2011\GCMS_3\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_3\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.196	53	15689	14.06	ug/l	78
72) 1,3-Dichlorobenzene	7.773	146	61671	17.94	ug/l	99
73) 1,4-Dichlorobenzene	7.827	146	64612	17.81	ug/l	92
74) 1,2-Dichlorobenzene	8.074	146	62619	17.69	ug/l	99
75) Isopropylbenzene	6.985	105	104253	19.00	ug/l	98
76) Cyclohexanone	7.070	55	8527	48.01	ug/l	84
77) Camphene	7.166	93	10225	7.77	ug/l	95
78) 1,2,3-Trichloropropane	7.202	75	52171	15.36	ug/l	90
79) 2-Chlorotoluene	7.304	91	74618	18.93	ug/l	97
80) p-Ethyltoluene	7.298	105	126915	21.55	ug/l	98
81) 4-Chlorotoluene	7.370	91	77114	19.98	ug/l	97
82) n-Propylbenzene	7.232	91	137565	19.92	ug/l	99
83) Bromobenzene	7.202	77	92416	18.48	ug/l	86
84) 1,3,5-Trimethylbenzene	7.334	105	90639	20.00	ug/l	95
85) t-Butylbenzene	7.545	119	75044	19.32	ug/l	94
86) 1,2,4-Trimethylbenzene	7.569	105	111429	23.63	ug/l	87
87) sec-Butylbenzene	7.677	105	88814	17.96	ug/l	95
88) 4-Isopropyltoluene	7.761	119	72133	20.42	ug/l	99
89) n-Butylbenzene	8.014	91	89546	20.24	ug/l	94
90) p-Diethylbenzene	8.002	119	42000	19.93	ug/l	97
91) 1,2,4,5-Tetramethylben...	8.501	119	73906	18.43	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	8.573	157	7557	9.76	ug/l	94
93) Camphor	9.048	95	41475	149.86	ug/l	89
94) Hexachlorobutadiene	9.192	225	14593	15.21	ug/l	97
95) 1,2,4-Trichlorobenzene	9.108	180	36117	16.94	ug/l	98
96) 1,2,3-Trichlorobenzene	9.439	180	33616	16.01	ug/l	98
97) Naphthalene	9.283	128	268053	43.48	ug/l	100

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


Abundance
TIC: 3M88103.D\data.ms
Quant Not Reviewed
SampleID : AC57097-010(T:MSD)
Data File: 3M88103.D
Acq On : 02/22/11 20:55
Operator : WP
Sam Mult : 1 Vial# : 30
Misc : A,5ML!1
Qt Meth : 3M_A0209.M
Qt On : 02/23/11 07:01
Qt Upd On: 02/14/11 09:05
Time-->

Form3
Recovery Data
QC Batch: MBS6307

Data File	Sample ID:	Analysis Date
Spike or Dup: 2M63689.D	MBS6307	3/3/2011 9:53:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		
Method: 8260	Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	13.24	0	20	66	21	137
1,1-Dichloroethene	1	14.74	0	20	74	21	133
1,1-Dichloroethane	1	16.2	0	20	81	44	134
Chloroform	1	15.78	0	20	79	40	148
1,2-Dichloroethane	1	14.9	0	20	74	43	144
2-Butanone	1	14.68	0	20	73	25	157
Carbon Tetrachloride	1	19.98	0	20	100	42	146
Trichloroethene	1	17.15	0	20	86	46	127
Benzene	1	16.45	0	20	82	49	135
Tetrachloroethene	1	18.78	0	20	94	42	138
Toluene	1	16.22	0	20	81	53	129
Chlorobenzene	1	16.74	0	20	84	51	129
1,4-Dichlorobenzene	1	16.32	0	20	82	45	128
1,2-Dichlorobenzene	1	16.67	0	20	83	50	126
n-Propylbenzene	1	17.56	0	20	88	45	135
sec-Butylbenzene	1	18.27	0	20	91	43	123

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 2M63689.D
Acq On : 03/ 3/11 09:53
Operator : wp
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/03/11 11:08
Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.278	96	297234	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.076	117	247547	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.472	152	149301	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.815	111	74411	30.19	ug/l	-0.04
Spiked Amount 30.000			Recovery = 100.63%			
38) 1,2-Dichloroethane-d4	4.055	67	45305	29.02	ug/l	-0.04
Spiked Amount 30.000			Recovery = 96.73%			
65) Toluene-d8	5.228	98	314252	28.72	ug/l	-0.03
Spiked Amount 30.000			Recovery = 95.73%			
75) Bromofluorobenzene	6.768	174	138151	29.63	ug/l	-0.04
Spiked Amount 30.000			Recovery = 98.77%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.178	51	105610	17.96	ug/l	54
6) Dichlorodifluoromethane	1.178	85	26816	7.98	ug/l	95
7) Chloromethane	1.294	50	49427	13.41	ug/l	87
8) Bromomethane	1.560	94	22552	12.95	ug/l	82
9) Vinyl Chloride	1.344	62	37735	13.24	ug/l	88
10) Chloroethane	1.627	64	23492	10.29	ug/l	93
11) Trichlorofluoromethane	1.777	101	54899	18.69	ug/l	86
12) Ethyl ether	1.978	59	46444	13.60	ug/l	87
13) Furan	1.998	39	133406	13.85	ug/l	99
14) 1,1,2-Trichloro-1,2,2-...	2.126	101	38637	22.15	ug/l	96
15) Methylene Chloride	2.471	84	57294	15.79	ug/l	85
16) Acrolein	2.067	56	38440	86.23	ug/l	94
17) Acrylonitrile	2.649	53	17811	13.59	ug/l	99
18) Iodomethane	2.244	142	84244	10.17	ug/l	91
19) Acetone	2.166	43	78408	85.74	ug/l	95
20) Carbon Disulfide	2.294	76	161817	16.14	ug/l	100
21) t-Butyl Alcohol	2.530	59	17901	63.80	ug/l	67
22) n-Hexane	2.856	57	56315	25.00	ug/l	73
23) Di-isopropyl-ether	3.013	45	218142	16.81	ug/l	89
24) 1,1-Dichloroethene	2.136	61	76996	14.74	ug/l	94
25) Methyl Acetate	2.392	43	44874	14.30	ug/l	100
26) Methyl-t-butyl ether	2.659	73	117753	15.91	ug/l	68
27) 1,1-Dichloroethane	2.974	63	107542	16.20	ug/l	97
28) trans-1,2-Dichloroethene	2.659	96	53634	16.94	ug/l	95
29) cis-1,2-Dichloroethene	3.430	61	90352	17.02	ug/l	81
30) Bromochloromethane	3.628	49	53000	15.07	ug/l	79
31) 2,2-Dichloropropane	3.430	77	70118	23.94	ug/l	91
32) Ethyl acetate	3.484	43	49940	12.98	ug/l	97
33) 1,4-Dioxane	4.723	88	26321	718.59	ug/l	93
34) 1,1-Dichloropropene	3.953	75	72162	16.72	ug/l	93
35) Chloroform	3.688	83	82331	15.78	ug/l	88
37) Cyclohexane	3.869	56	85222	21.54	ug/l	89
39) 1,2-Dichloroethane	4.109	62	71498	14.90	ug/l	96
40) 2-Butanone	3.442	43	22764	14.68	ug/l	93
41) 1,1,1-Trichloroethane	3.833	97	67266	17.02	ug/l	94
42) Carbon Tetrachloride	3.953	117	60704	19.98	ug/l	95
43) Vinyl Acetate	3.004	43	211902	15.80	ug/l	100
44) Bromodichloromethane	4.801	83	77440	16.04	ug/l	93
45) Methylcyclohexane	4.621	83	71185	22.51	ug/l	98
46) Dibromomethane	4.717	174	52139	17.31	ug/l	94
47) 1,2-Dichloropropane	4.645	63	68782	16.29	ug/l	94
48) Trichloroethene	4.506	130	61812	17.15	ug/l	89
49) Benzene	4.097	78	220732	16.45	ug/l	100
50) tert-Amyl methyl ether	4.163	73	139448	16.48	ug/l	75
52) Iso-propylacetate	4.133	43	104771	13.05	ug/l	71
53) Methyl methacrylate	4.699	41	54151	13.54	ug/l	93
54) Dibromochloromethane	5.740	129	64329	15.68	ug/l	95
55) 2-Chloroethylvinylether	4.970	63	39933	15.15	ug/l	71
56) cis-1,3-Dichloropropene	5.066	75	100469	16.31	ug/l	90
57) trans-1,3-Dichloropropene	5.391	75	82220	14.93	ug/l	88
58) Ethyl methacrylate	5.427	41	63938	14.41	ug/l	82
59) 1,1,2-Trichloroethane	5.499	97	52593	15.31	ug/l	88
60) 1,2-Dibromoethane	5.812	107	55981	14.48	ug/l	85
61) 1,3-Dichloropropane	5.601	76	99648	15.90	ug/l	97
62) 4-Methyl-2-Pentanone	5.150	43	64909	13.64	ug/l	89
63) 2-Hexanone	5.637	43	41483	11.97	ug/l	93
64) Tetrachloroethene	5.589	164	60921	18.78	ug/l	96
66) Toluene	5.264	92	149754	16.22	ug/l	91
67) 1,1,1,2-Tetrachloroethane	6.137	133	56911	17.02	ug/l	60

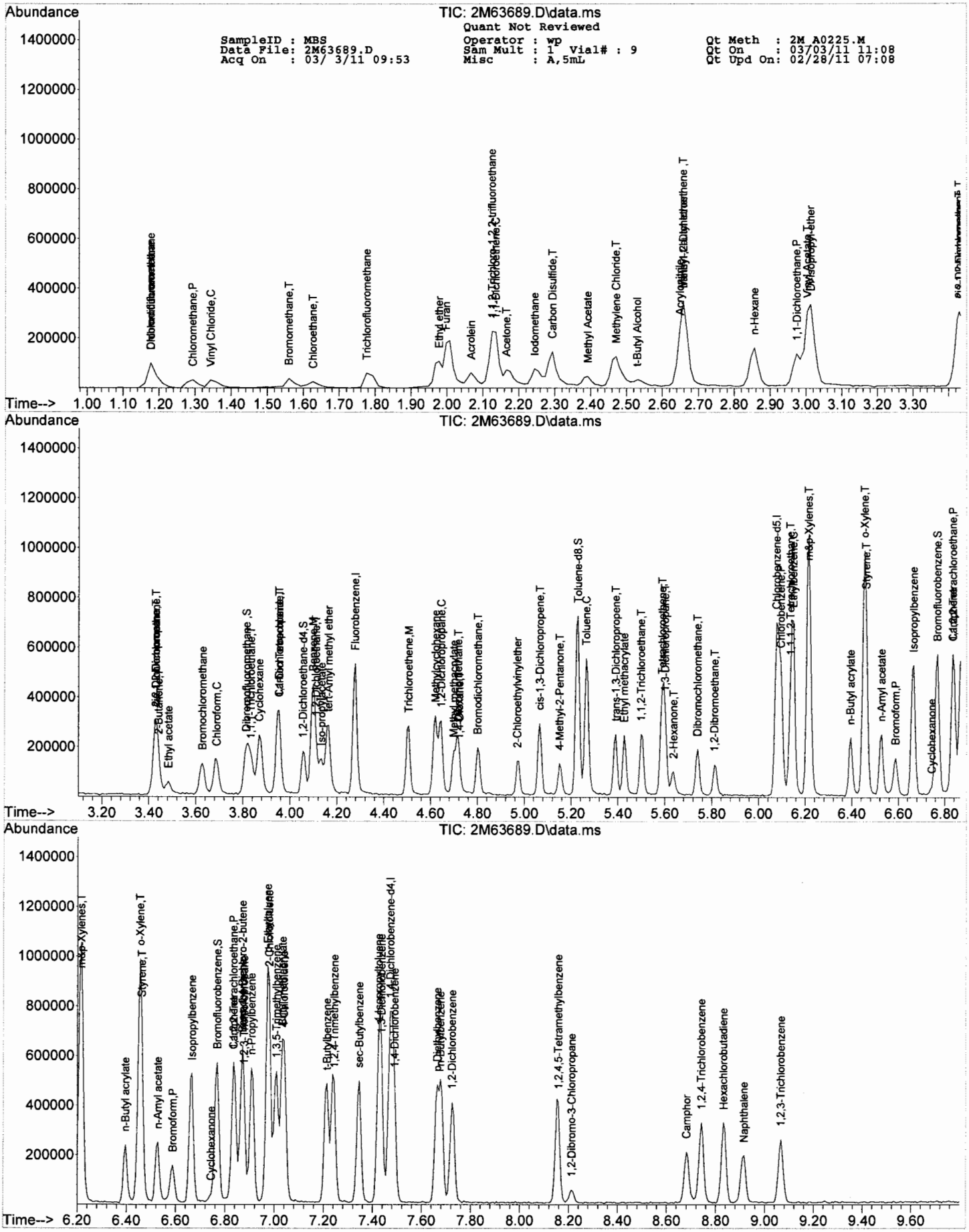
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63689.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 11:08
Acq On : 03/ 3/11 09:53 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.094	112	175538	16.74 ug/l	98
70) n-Butyl acrylate	6.395	55	104463	11.12 ug/l	96
71) n-Amyl acetate	6.528	43	109501	11.44 ug/l	86
72) Bromoform	6.588	173	49087	13.88 ug/l	93
73) Ethylbenzene	6.149	106	77216	21.37 ug/l	74
74) 1,1,2,2-Tetrachloroethane	6.834	83	69484	14.03 ug/l	89
76) Styrene	6.461	104	181425	16.41 ug/l	80
77) m&p-Xylenes	6.215	106	217462	35.46 ug/l	76
78) o-Xylene	6.455	106	109587	17.55 ug/l	69
79) trans-1,4-Dichloro-2-b...	6.870	53	18128	17.64 ug/l	30
80) 1,3-Dichlorobenzene	7.436	146	147272	17.18 ug/l	83
81) 1,4-Dichlorobenzene	7.490	146	143284	16.32 ug/l	93
82) 1,2-Dichlorobenzene	7.725	146	138401	16.67 ug/l	85
83) Isopropylbenzene	6.666	105	250539	17.10 ug/l	92
84) Cyclohexanone	6.744	55	11385	61.91 ug/l	89
85) Camphene	6.834	93	78386	20.67 ug/l	86
86) 1,2,3-Trichloropropane	6.876	75	82669	14.03 ug/l	85
87) 2-Chlorotoluene	6.979	91	165507	15.82 ug/l	93
88) p-Ethyltoluene	6.973	105	274395	16.80 ug/l	84
89) 4-Chlorotoluene	7.039	91	161705	17.16 ug/l	89
90) n-Propylbenzene	6.907	91	320039	17.56 ug/l	95
91) Bromobenzene	6.870	77	140990	18.82 ug/l	77
92) 1,3,5-Trimethylbenzene	7.009	105	204733	16.51 ug/l	82
93) Butyl methacrylate	7.033	41	92040	12.22 ug/l	48
94) t-Butylbenzene	7.213	119	206003	17.81 ug/l	75
95) 1,2,4-Trimethylbenzene	7.243	105	225920	17.71 ug/l	84
96) sec-Butylbenzene	7.346	105	259679	18.27 ug/l	97
97) 4-Isopropyltoluene	7.424	119	204020	17.96 ug/l	86
98) n-Butylbenzene	7.676	91	223979	18.32 ug/l	93
99) p-Diethylbenzene	7.664	119	111528	17.05 ug/l	86
100) 1,2,4,5-Tetramethylben...	8.158	119	176087	16.24 ug/l	81
101) 1,2-Dibromo-3-Chloropr...	8.212	157	13637	11.90 ug/l	47
102) Camphor	8.681	95	39923	105.49 ug/l	88
103) Hexachlorobutadiene	8.831	225	68314	19.00 ug/l	97
104) 1,2,4-Trichlorobenzene	8.741	180	92854	16.20 ug/l	95
105) 1,2,3-Trichlorobenzene	9.066	180	78124	14.93 ug/l	95
106) Naphthalene	8.916	128	132495	12.00 ug/l	100

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


Abundance
TIC: 2M63689.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 2M63689.D
Acq On : 03/ 3/11 09:53
Operator : wp
Sam Mult : 1 Vial# : 9
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/03/11 11:08
Qt Upd On: 02/28/11 07:08
Time-->

Form3
Recovery Data
QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	17.77	0	20	89	21	137
1,1-Dichloroethene	1	16.44	0	20	82	21	133
1,1-Dichloroethane	1	17.33	0	20	87	44	134
Chloroform	1	17.1	0	20	86	40	148
1,2-Dichloroethane	1	16.46	0	20	82	43	144
2-Butanone	1	18.42	0	20	92	25	157
Carbon Tetrachloride	1	19.9	0	20	100	42	146
Trichloroethene	1	17.07	0	20	85	46	127
Benzene	1	17.31	0	20	87	49	135
Tetrachloroethene	1	17.34	0	20	87	42	138
Toluene	1	17.36	0	20	87	53	129
Chlorobenzene	1	16.99	0	20	85	51	129
1,4-Dichlorobenzene	1	17.42	0	20	87	45	128
1,2-Dichlorobenzene	1	17.73	0	20	89	50	126
n-Propylbenzene	1	19.44	0	20	97	45	135
sec-Butylbenzene	1	19.33	0	20	97	43	123

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Non Spike(If applicable):	2M63656.D	AC57471-001(T)	3/2/2011 6:07:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Vinyl Chloride	1	18.41	0	20	92	21	137
1,1-Dichloroethene	1	17.15	0	20	86	21	133
1,1-Dichloroethane	1	17.75	0	20	89	44	134
Chloroform	1	18.17	0	20	91	40	148
1,2-Dichloroethane	1	16.07	0	20	80	43	144
2-Butanone	1	21.06	0	20	105	25	157
Carbon Tetrachloride	1	20.65	0	20	103	42	146
Trichloroethene	1	18.21	0	20	91	46	127
Benzene	1	17.64	0	20	88	49	135
Tetrachloroethene	1	18.36	0	20	92	42	138
Toluene	1	17.67	0	20	88	53	129
Chlorobenzene	1	17.61	0	20	88	51	129
1,4-Dichlorobenzene	1	17.68	0	20	88	45	128
1,2-Dichlorobenzene	1	18.13	0	20	91	50	126
n-Propylbenzene	1	19.17	0	20	96	45	135
sec-Butylbenzene	1	19.85	0	20	99	43	123

* - Indicates outside of limits

Form3
RPD DATA

QC Batch: MBS6307

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M63707.D	AC57471-001(T:MSD)	3/3/2011 3:00:00 PM
Duplicate(If applicable):	2M63706.D	AC57471-001(T:MS)	3/3/2011 2:44:00 PM
Inst Blank(If applicable):			

Method: 8260 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Vinyl Chloride	1	18.41	17.77	3.5	30
1,1-Dichloroethene	1	17.15	16.44	4.2	34
1,1-Dichloroethane	1	17.75	17.33	2.4	30
Chloroform	1	18.17	17.1	6.1	37
1,2-Dichloroethane	1	16.07	16.46	2.4	34
2-Butanone	1	21.06	18.42	13	47
Carbon Tetrachloride	1	20.65	19.9	3.7	32
Trichloroethene	1	18.21	17.07	6.5	30
Benzene	1	17.64	17.31	1.9	29
Tetrachloroethene	1	18.36	17.34	5.7	27
Toluene	1	17.67	17.36	1.8	33
Chlorobenzene	1	17.61	16.99	3.6	30
1,4-Dichlorobenzene	1	17.68	17.42	1.5	30
1,2-Dichlorobenzene	1	18.13	17.73	2.2	34
n-Propylbenzene	1	19.17	19.44	1.4	32
sec-Butylbenzene	1	19.85	19.33	2.7	33

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

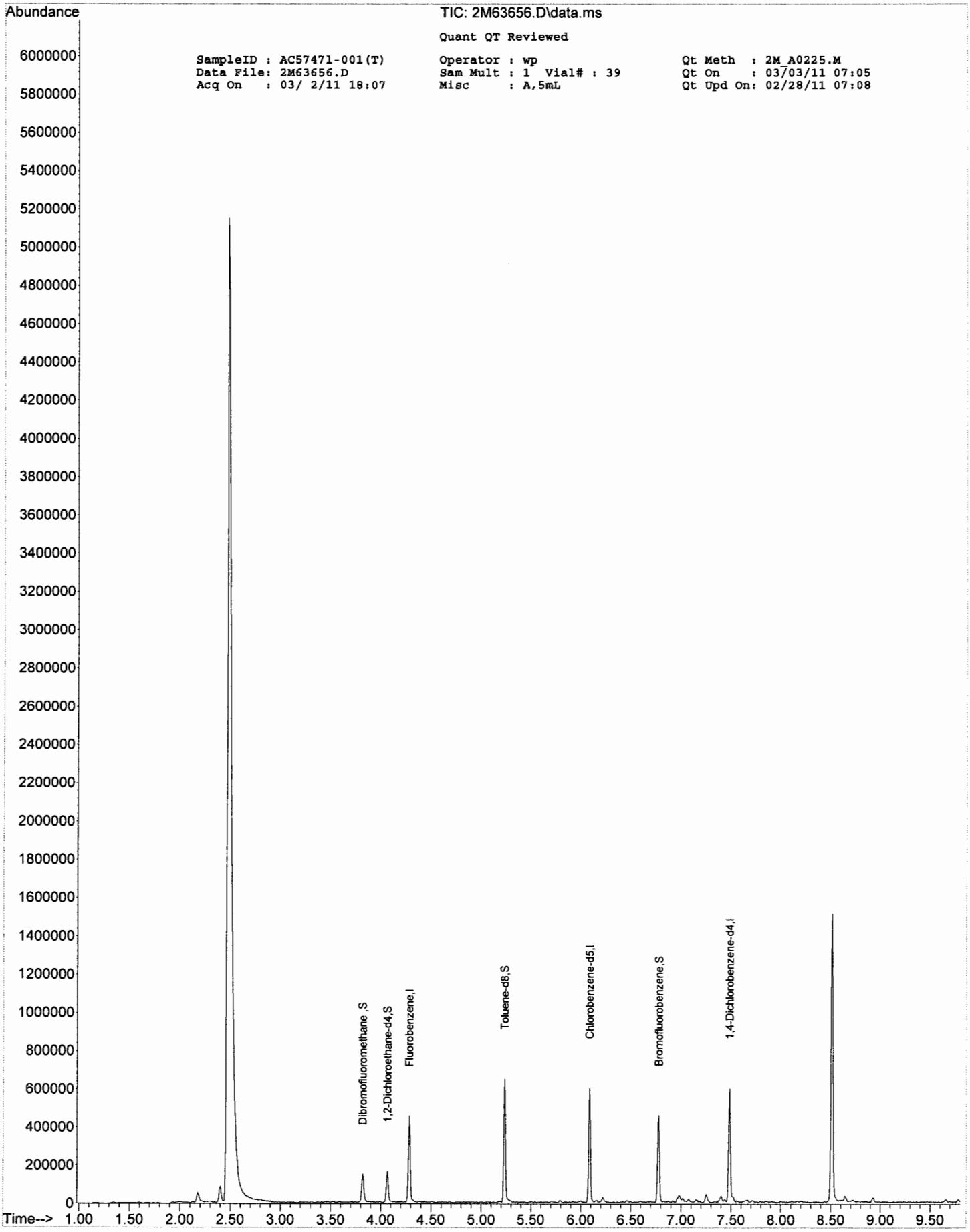
Quantitation Report (QT Reviewed)

SampleID : AC57471-001(T) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63656.D Sam Mult : 1 Vial# : 39 Qt On : 03/03/11 07:05
Acq On : 03/ 2/11 18:07 Misc : A,5mL Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-0211\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.283	96	255942	30.00	ug/l	-0.02
51) Chlorobenzene-d5	6.088	117	222337	30.00	ug/l	-0.02
69) 1,4-Dichlorobenzene-d4	7.483	152	129061	30.00	ug/l	-0.03
System Monitoring Compounds						
36) Dibromofluoromethane	3.820	111	65679	30.95	ug/l	-0.03
Spiked Amount 30.000			Recovery = 103.17%			
38) 1,2-Dichloroethane-d4	4.067	67	42869	31.89	ug/l	-0.02
Spiked Amount 30.000			Recovery = 106.30%			
65) Toluene-d8	5.234	98	276622	28.14	ug/l	-0.02
Spiked Amount 30.000			Recovery = 93.80%			
75) Bromofluorobenzene	6.779	174	114246	28.35	ug/l	-0.02
Spiked Amount 30.000			Recovery = 94.50%			
Target Compounds						Qvalue

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


Abundance
TIC: 2M63656.D\data.ms
Quant QT Reviewed
SampleID : AC57471-001(T)
Data File: 2M63656.D
Acq On : 03/ 2/11 18:07
Operator : wp
Sam Mult : 1 Vial# : 39
Misc : A,5mL
Qt Meth : 2M_A0225.M
Qt On : 03/03/11 07:05
Qt Upd On: 02/28/11 07:08
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MS) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63706.D Sam Mult : 1 Vial# : 26 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 14:44 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.277	96	291401	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.075	117	246893	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.471	152	144828	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.807	111	74743	30.94	ug/l	-0.04
Spiked Amount 30.000			Recovery =	103.13%		
38) 1,2-Dichloroethane-d4	4.054	67	44744	29.23	ug/l	-0.04
Spiked Amount 30.000			Recovery =	97.43%		
65) Toluene-d8	5.221	98	311565	28.55	ug/l	-0.04
Spiked Amount 30.000			Recovery =	95.17%		
75) Bromofluorobenzene	6.767	174	124830	27.60	ug/l	-0.04
Spiked Amount 30.000			Recovery =	92.00%		
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.176	51	131742	22.85	ug/l	79
6) Dichlorodifluoromethane	1.176	85	58401	17.73	ug/l	89
7) Chloromethane	1.293	50	64595	17.88	ug/l	74
8) Bromomethane	1.559	94	25552	14.97	ug/l	84
9) Vinyl Chloride	1.343	62	49680	17.77	ug/l	94
10) Chloroethane	1.626	64	26291	13.00	ug/l	99
11) Trichlorofluoromethane	1.775	101	55268	19.20	ug/l	84
12) Ethyl ether	1.977	59	61921	18.49	ug/l	89
13) Furan	2.007	39	141130	14.95	ug/l	92
14) 1,1,2-Trichloro-1,2,2-...	2.125	101	37702	22.05	ug/l	93
15) Methylene Chloride	2.460	84	3091980	869.46	ug/l	80
16) Acrolein	2.066	56	42137	96.41	ug/l	91
17) Acrylonitrile	2.648	53	20437	15.90	ug/l	87
18) Iodomethane	2.244	142	80211	9.58	ug/l	91
19) Acetone	2.165	43	139925	156.07	ug/l	93
20) Carbon Disulfide	2.293	76	165137	16.80	ug/l	100
21) t-Butyl Alcohol	2.529	59	20577	74.80	ug/l	99
22) n-Hexane	2.855	57	67545	30.59	ug/l	70
23) Di-isopropyl-ether	3.013	45	214758	16.88	ug/l	95
24) 1,1-Dichloroethene	2.125	61	84214	16.44	ug/l	96
25) Methyl Acetate	2.391	43	167355	54.40	ug/l	100
26) Methyl-t-butyl ether	2.658	73	120566	16.61	ug/l	66
27) 1,1-Dichloroethane	2.973	63	112804	17.33	ug/l	98
28) trans-1,2-Dichloroethene	2.658	96	51732	16.67	ug/l	87
29) cis-1,2-Dichloroethene	3.428	61	92162	17.71	ug/l	83
30) Bromochloromethane	3.621	49	55435	16.08	ug/l	61
31) 2,2-Dichloropropane	3.428	77	73503	25.59	ug/l	92
32) Ethyl acetate	3.483	43	59519	15.78	ug/l	99
33) 1,4-Dioxane	4.716	88	25367	706.41	ug/l	74
34) 1,1-Dichloropropene	3.946	75	81155	19.18	ug/l	98
35) Chloroform	3.687	83	87495	17.10	ug/l	83
37) Cyclohexane	3.868	56	92902	23.95	ug/l	79
39) 1,2-Dichloroethane	4.108	62	77457	16.46	ug/l	95
40) 2-Butanone	3.440	43	28006	18.42	ug/l	89
41) 1,1,1-Trichloroethane	3.831	97	71488	18.45	ug/l	92
42) Carbon Tetrachloride	3.946	117	59283	19.90	ug/l	93
43) Vinyl Acetate	3.003	43	173853	13.22	ug/l	100
44) Bromodichloromethane	4.800	83	77252	16.32	ug/l	95
45) Methylcyclohexane	4.613	83	71593	23.10	ug/l	90
46) Dibromomethane	4.716	174	47279	16.01	ug/l	90
47) 1,2-Dichloropropane	4.644	63	73517	17.76	ug/l	97
48) Trichloroethene	4.499	130	60304	17.07	ug/l	93
49) Benzene	4.096	78	227763	17.31	ug/l	100
50) tert-Amyl methyl ether	4.156	73	141758	17.09	ug/l	74
52) Iso-propylacetate	4.132	43	175541	21.92	ug/l	89
53) Methyl methacrylate	4.692	41	53149	13.33	ug/l	82
54) Dibromochloromethane	5.738	129	61018	14.92	ug/l	86
55) 2-Chloroethylvinylether	4.968	63	41926	15.95	ug/l	77
56) cis-1,3-Dichloropropene	5.065	75	103984	16.92	ug/l	93
57) trans-1,3-Dichloropropene	5.389	75	86332	15.72	ug/l	92
58) Ethyl methacrylate	5.426	41	71944	16.25	ug/l	90
59) 1,1,2-Trichloroethane	5.498	97	60319	17.61	ug/l	91
60) 1,2-Dibromoethane	5.811	107	61144	15.86	ug/l	94
61) 1,3-Dichloropropane	5.600	76	106787	17.08	ug/l	95
62) 4-Methyl-2-Pentanone	5.149	43	78128	16.46	ug/l	83
63) 2-Hexanone	5.636	43	70893	20.51	ug/l	89
64) Tetrachloroethene	5.588	164	56115	17.34	ug/l	89
66) Toluene	5.263	92	159811	17.36	ug/l	95
67) 1,1,1,2-Tetrachloroethane	6.135	133	58035	17.41	ug/l	56

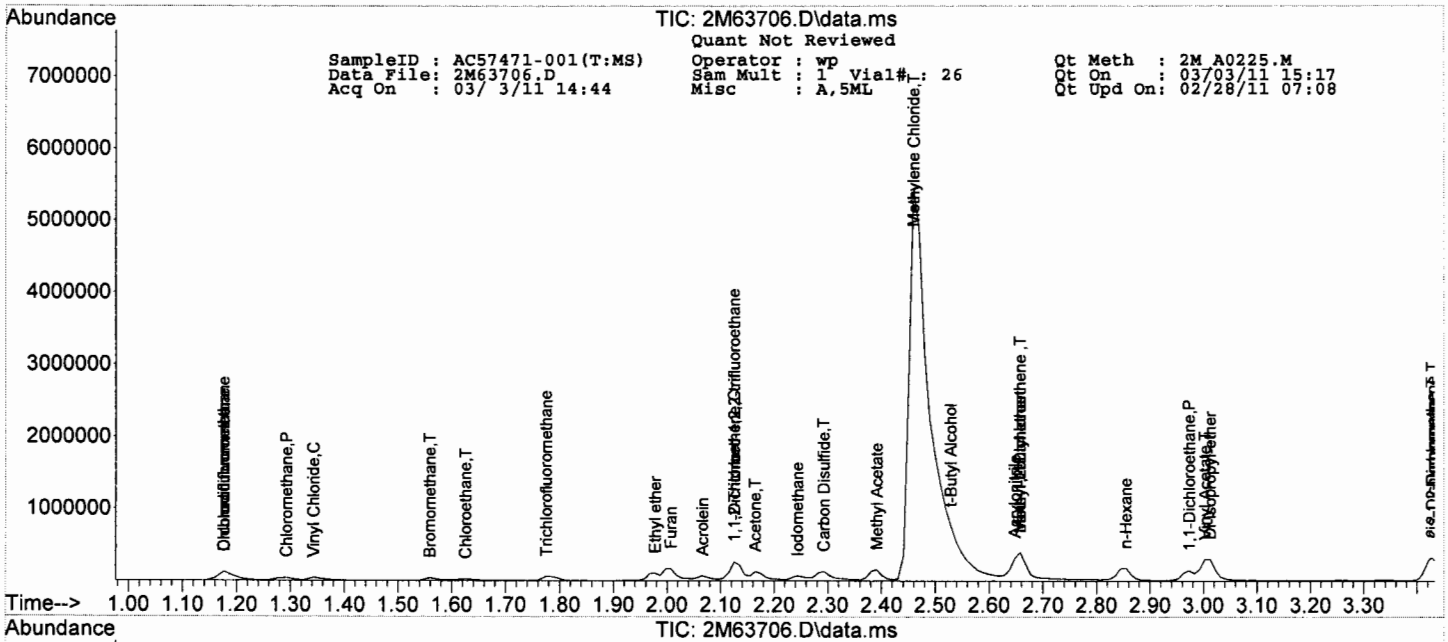
Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MS) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63706.D Sam Mult : 1 Vial# : 26 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 14:44 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	Chlorobenzene	6.093	112	177682	16.99	ug/l	99
70)	n-Butyl acrylate	6.394	55	152148	16.69	ug/l	93
71)	n-Amyl acetate	6.526	43	137672	14.83	ug/l	93
72)	Bromoform	6.587	173	45067	13.13	ug/l	93
73)	Ethylbenzene	6.147	106	80936	23.09	ug/l	77
74)	1,1,2,2-Tetrachloroethane	6.833	83	84282	17.54	ug/l	88
76)	Styrene	6.454	104	192035	17.91	ug/l	92
77)	m&p-Xylenes	6.214	106	242633	40.79	ug/l	82
78)	o-Xylene	6.448	106	116858	19.30	ug/l	59
79)	trans-1,4-Dichloro-2-b...	6.869	53	20950	21.02	ug/l	47
80)	1,3-Dichlorobenzene	7.435	146	143116	17.21	ug/l	86
81)	1,4-Dichlorobenzene	7.489	146	148344	17.42	ug/l	92
82)	1,2-Dichlorobenzene	7.723	146	142764	17.73	ug/l	87
83)	Isopropylbenzene	6.665	105	264133	18.58	ug/l	90
84)	Cyclohexanone	6.743	55	8638	48.42	ug/l	83
85)	Camphene	6.833	93	76887	20.90	ug/l	90
86)	1,2,3-Trichloropropane	6.869	75	92137	16.12	ug/l	89
87)	2-Chlorotoluene	6.978	91	165524	16.31	ug/l	94
88)	p-Ethyltoluene	6.972	105	332293	20.98	ug/l	85
89)	4-Chlorotoluene	7.038	91	168915	18.47	ug/l	90
90)	n-Propylbenzene	6.905	91	343835	19.44	ug/l	93
91)	Bromobenzene	6.869	77	152755	21.02	ug/l	82
92)	1,3,5-Trimethylbenzene	7.008	105	237127	19.72	ug/l	85
93)	Butyl methacrylate	7.026	41	102820	14.08	ug/l	47
94)	t-Butylbenzene	7.212	119	219376	19.55	ug/l	79
95)	1,2,4-Trimethylbenzene	7.236	105	295434	23.87	ug/l	84
96)	sec-Butylbenzene	7.344	105	266469	19.33	ug/l	98
97)	4-Isopropyltoluene	7.423	119	221350	20.09	ug/l	85
98)	n-Butylbenzene	7.681	91	244467	20.61	ug/l	92
99)	p-Diethylbenzene	7.657	119	130179	20.52	ug/l	87
100)	1,2,4,5-Tetramethylben...	8.151	119	196910	18.72	ug/l	83
101)	1,2-Dibromo-3-Chloropr...	8.211	157	15314	13.78	ug/l	55
102)	Camphor	8.680	95	47457	129.27	ug/l	95
103)	Hexachlorobutadiene	8.830	225	61579	17.66	ug/l	95
104)	1,2,4-Trichlorobenzene	8.740	180	94828	17.06	ug/l	96
105)	1,2,3-Trichlorobenzene	9.065	180	77007	15.17	ug/l	96
106)	Naphthalene	8.908	128	249471	23.30	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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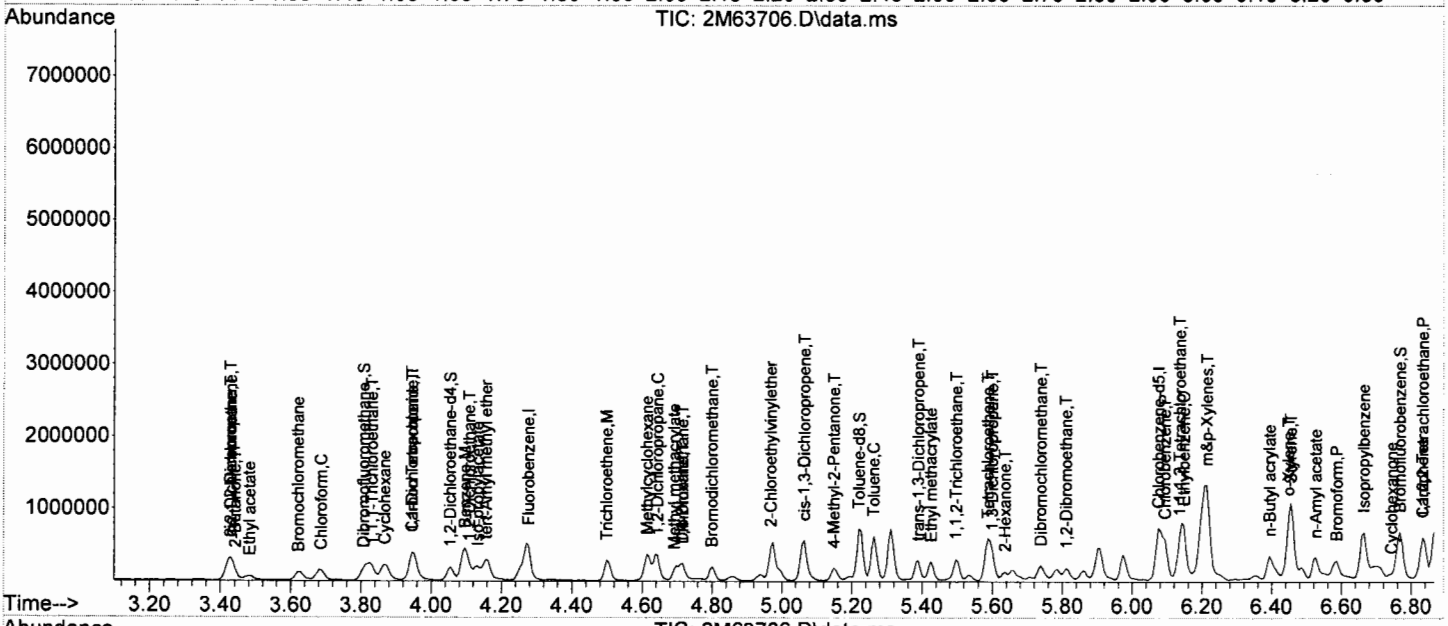
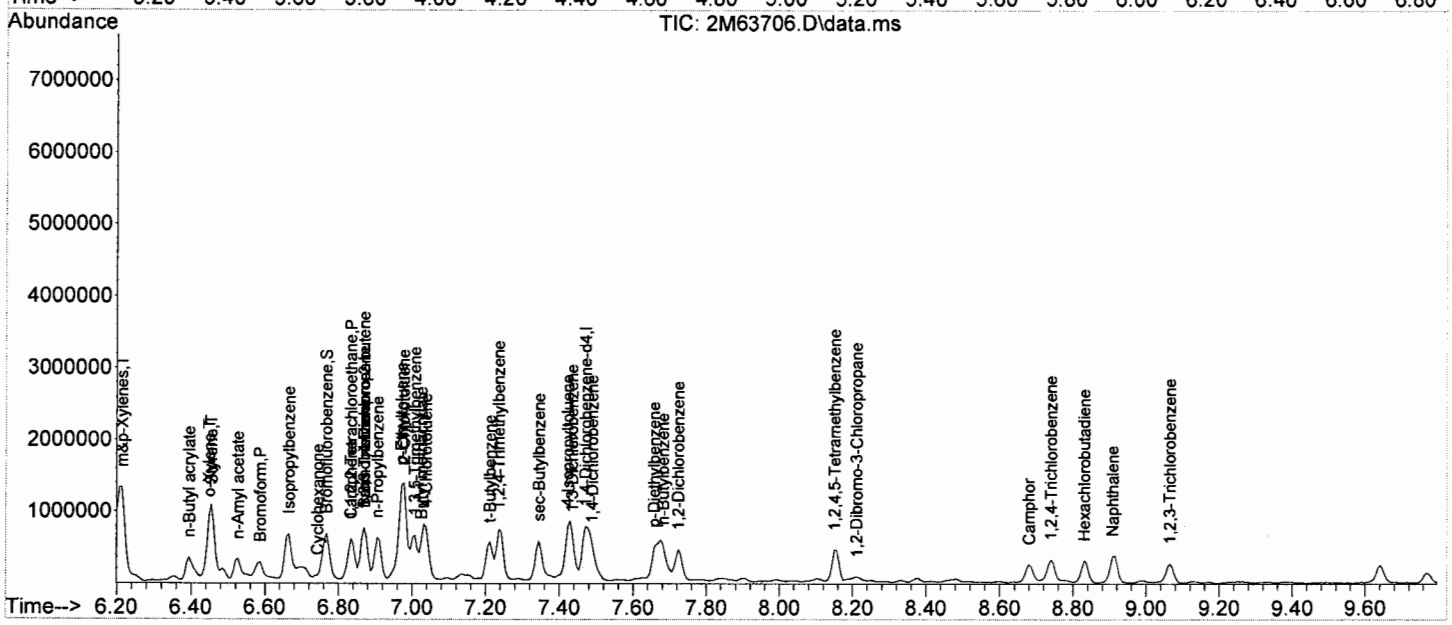
SampleID : AC57471-001(T:MS)
Data File: 2M63706.D
Acq On : 03/ 3/11 14:44
Operator : wp
Sam Mult : 1 Vial#: 26
Misc : A,5ML
Qt Meth : 2M_A0225.M
Qt On : 03703/11 15:17
Qt Upd On: 02/28/11 07:08
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,
t-Butyl Alcohol
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 2M63706.D\data.ms
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M63706.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MSD) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63707.D Sam Mult : 1 Vial# : 27 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 15:00 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.276	96	271574	30.00	ug/l	-0.03
51) Chlorobenzene-d5	6.075	117	232493	30.00	ug/l	-0.04
69) 1,4-Dichlorobenzene-d4	7.470	152	139609	30.00	ug/l	-0.04
System Monitoring Compounds						
36) Dibromofluoromethane	3.813	111	68916	30.61	ug/l	-0.04
Spiked Amount 30.000			Recovery = 102.03%			
38) 1,2-Dichloroethane-d4	4.054	67	41089	28.80	ug/l	-0.04
Spiked Amount 30.000			Recovery = 96.00%			
65) Toluene-d8	5.227	98	309068	30.07	ug/l	-0.03
Spiked Amount 30.000			Recovery = 100.23%			
75) Bromofluorobenzene	6.767	174	123499	28.33	ug/l	-0.04
Spiked Amount 30.000			Recovery = 94.43%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.178	51	126087	23.47	ug/l	84
6) Dichlorodifluoromethane	1.162	85	60535	19.72	ug/l	91
7) Chloromethane	1.278	50	65849	19.55	ug/l	81
8) Bromomethane	1.561	94	26389	16.59	ug/l	86
9) Vinyl Chloride	1.345	62	47962	18.41	ug/l	93
10) Chloroethane	1.628	64	23715	12.30	ug/l	87
11) Trichlorofluoromethane	1.777	101	51768	19.29	ug/l	82
12) Ethyl ether	1.977	59	48834	15.65	ug/l	91
13) Furan	2.007	39	133308	15.15	ug/l	93
14) 1,1,2-Trichloro-1,2,2-...	2.125	101	37486	23.52	ug/l	94
15) Methylene Chloride	2.460	84	2898158	874.45	ug/l	78
16) Acrolein	2.066	56	41433	101.72	ug/l	94
17) Acrylonitrile	2.648	53	18761	15.66	ug/l	97
18) Iodomethane	2.243	142	79559	10.87	ug/l	95
19) Acetone	2.164	43	138949	166.30	ug/l	82
20) Carbon Disulfide	2.293	76	162305	17.72	ug/l	100
21) t-Butyl Alcohol	2.539	59	20760	80.98	ug/l	79
22) n-Hexane	2.855	57	59301	28.81	ug/l	69
23) Di-isopropyl-ether	3.012	45	218271	18.41	ug/l	91
24) 1,1-Dichloroethene	2.135	61	81858	17.15	ug/l	95
25) Methyl Acetate	2.391	43	158342	55.23	ug/l	100
26) Methyl-t-butyl ether	2.657	73	115177	17.03	ug/l	68
27) 1,1-Dichloroethane	2.973	63	107676	17.75	ug/l	97
28) trans-1,2-Dichloroethene	2.657	96	53435	18.48	ug/l	96
29) cis-1,2-Dichloroethene	3.428	61	87809	18.11	ug/l	91
30) Bromochloromethane	3.627	49	51291	15.96	ug/l	80
31) 2,2-Dichloropropane	3.428	77	71437	26.69	ug/l	97
32) Ethyl acetate	3.482	43	59457	16.91	ug/l	99
33) 1,4-Dioxane	4.715	88	25062	748.87	ug/l	78
34) 1,1-Dichloropropene	3.945	75	75740	19.20	ug/l	95
35) Chloroform	3.687	83	86656	18.17	ug/l	81
37) Cyclohexane	3.873	56	80822	22.35	ug/l	88
39) 1,2-Dichloroethane	4.108	62	70464	16.07	ug/l	95
40) 2-Butanone	3.440	43	29834	21.06	ug/l	99
41) 1,1,1-Trichloroethane	3.831	97	68802	19.06	ug/l	91
42) Carbon Tetrachloride	3.945	117	57324	20.65	ug/l	88
43) Vinyl Acetate	3.002	43	167223	13.65	ug/l	100
44) Bromodichloromethane	4.800	83	76684	17.38	ug/l	92
45) Methylcyclohexane	4.619	83	67969	23.53	ug/l	96
46) Dibromomethane	4.709	174	47527	17.27	ug/l	90
47) 1,2-Dichloropropane	4.637	63	72286	18.73	ug/l	93
48) Trichloroethene	4.505	130	59953	18.21	ug/l	94
49) Benzene	4.096	78	216300	17.64	ug/l	100
50) tert-Amyl methyl ether	4.162	73	134096	17.35	ug/l	76
52) Iso-propylacetate	4.132	43	119156	15.80	ug/l	78
53) Methyl methacrylate	4.697	41	61843	16.47	ug/l	94
54) Dibromochloromethane	5.738	129	64237	16.68	ug/l	93
55) 2-Chloroethylvinylether	4.968	63	38936	15.73	ug/l	76
56) cis-1,3-Dichloropropene	5.064	75	97627	16.87	ug/l	98
57) trans-1,3-Dichloropropene	5.389	75	86573	16.74	ug/l	98
58) Ethyl methacrylate	5.425	41	69722	16.73	ug/l	80
59) 1,1,2-Trichloroethane	5.497	97	54182	16.80	ug/l	82
60) 1,2-Dibromoethane	5.810	107	62124	17.11	ug/l	96
61) 1,3-Dichloropropane	5.600	76	101639	17.27	ug/l	99
62) 4-Methyl-2-Pentanone	5.149	43	74041	16.57	ug/l	93
63) 2-Hexanone	5.636	43	50725	15.59	ug/l	86
64) Tetrachloroethene	5.588	164	55931	18.36	ug/l	95
66) Toluene	5.263	92	153154	17.67	ug/l	97
67) 1,1,1,2-Tetrachloroethane	6.135	133	58706	18.70	ug/l	56

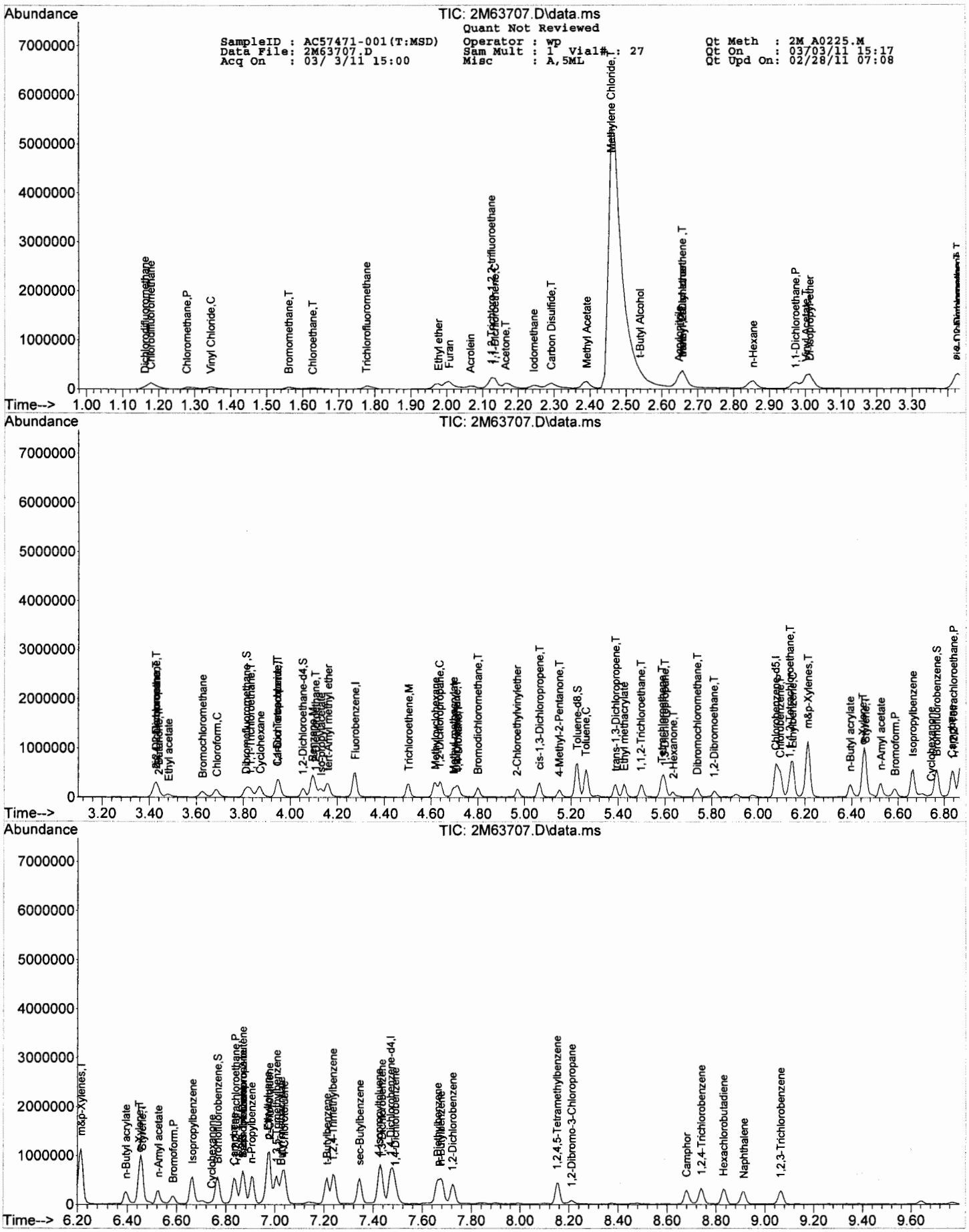
Quantitation Report (Not Reviewed)

SampleID : AC57471-001(T:MSD) Operator : wp Qt Meth : 2M_A0225.M
Data File: 2M63707.D Sam Mult : 1 Vial# : 27 Qt On : 03/03/11 15:17
Acq On : 03/ 3/11 15:00 Misc : A,5ML Qt Upd On: 02/28/11 07:08

Data Path : G:\GcMsData\2011\GCMS_2\Data\03-03-11\
Qt Path : G:\GcMsData\2011\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Chlorobenzene	6.093	112	173388	17.61 ug/l	93
70) n-Butyl acrylate	6.394	55	128024	14.57 ug/l	99
71) n-Amyl acetate	6.526	43	136031	15.20 ug/l	92
72) Bromoform	6.586	173	49165	14.86 ug/l	97
73) Ethylbenzene	6.147	106	80576	23.85 ug/l	75
74) 1,1,2,2-Tetrachloroethane	6.839	83	78861	17.02 ug/l	93
76) Styrene	6.460	104	182706	17.67 ug/l	82
77) m&p-Xylenes	6.213	106	228687	39.88 ug/l	77
78) o-Xylene	6.448	106	109328	18.73 ug/l	70
79) trans-1,4-Dichloro-2-b...	6.869	53	18806	19.58 ug/l	28
80) 1,3-Dichlorobenzene	7.434	146	140712	17.55 ug/l	86
81) 1,4-Dichlorobenzene	7.489	146	145148	17.68 ug/l	93
82) 1,2-Dichlorobenzene	7.723	146	140733	18.13 ug/l	85
83) Isopropylbenzene	6.664	105	249625	18.22 ug/l	91
84) Cyclohexanone	6.743	55	12417	72.21 ug/l	86
85) Camphene	6.833	93	75931	21.41 ug/l	96
86) 1,2,3-Trichloropropane	6.869	75	92838	16.85 ug/l	85
87) 2-Chlorotoluene	6.977	91	172520	17.63 ug/l	93
88) p-Ethyltoluene	6.971	105	301963	19.78 ug/l	85
89) 4-Chlorotoluene	7.037	91	166080	18.84 ug/l	89
90) n-Propylbenzene	6.905	91	326760	19.17 ug/l	93
91) Bromobenzene	6.869	77	148147	21.15 ug/l	83
92) 1,3,5-Trimethylbenzene	7.007	105	225467	19.45 ug/l	85
93) Butyl methacrylate	7.025	41	98497	13.99 ug/l	46
94) t-Butylbenzene	7.212	119	212989	19.69 ug/l	77
95) 1,2,4-Trimethylbenzene	7.236	105	261776	21.94 ug/l	84
96) sec-Butylbenzene	7.344	105	263697	19.85 ug/l	97
97) 4-Isopropyltoluene	7.422	119	216905	20.42 ug/l	88
98) n-Butylbenzene	7.675	91	234335	20.49 ug/l	93
99) p-Diethylbenzene	7.663	119	118658	19.40 ug/l	87
100) 1,2,4,5-Tetramethylben...	8.150	119	200589	19.78 ug/l	91
101) 1,2-Dibromo-3-Chloropr...	8.210	157	15402	14.37 ug/l	53
102) Camphor	8.680	95	54964	155.32 ug/l	90
103) Hexachlorobutadiene	8.830	225	62574	18.61 ug/l	92
104) 1,2,4-Trichlorobenzene	8.740	180	95019	17.73 ug/l	95
105) 1,2,3-Trichlorobenzene	9.065	180	81592	16.68 ug/l	96
106) Naphthalene	8.914	128	174345	16.89 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : AC57471-001(T:MSD)
Data File: 2M63707.D
Acq On : 03/ 3/11 15:00
Operator : wp
Sam Mult : 1 Vial# : 27
Misc : A,5ML
Qt Meth : 2M_A0225.M
Qt On : 03703/11 15:17
Qt Upd On: 02/28/11 07:08
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Time-->

SPLP
GC/MS Volatile Data
Logbook Data

0412

Hampton-Clarke/Veritech

9932

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-12	10:10	2-13	10:00	S	KR/KR			DI H_2O = 6.08
AC57097-003	29	20	19	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-003	26	20	19	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-13	10:10	2-14	10:00	S	KR/SW	X E		DI H_2O = 6.86
AC57097-004	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-004	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500mL	2-14	10:10	2-15	10:00	S	SW			DI H_2O = 6.92
AC57097-005	29	20	20	↓	25g/500mL	↓	|	↓	/	↓	↓			
AC57099-005	26	20	20	↓	↓	↓	|	↓	/	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-15	10:10	2-16	10:00	S	SW			DI H_2O = 6.84
AC57097-006	29	20	20	↓	25g/500ml	↓	|	↓	/	↓	↓			
AC57099-006	26	20	20	↓	↓	↓	|	↓	/	↓	↓			

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

0413

Hampton-Clarke/Veritech

8833

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-16	10:10	2-17	10:00	S	SW	RS		pH DI = 6.99
AC57097-007	29	"	20	"	25g/500ml	"	"	"	"	"	"	"		
AC57099-007	26	"	20	"	"	"	"	"	"	"	"	"		
EF-3 V-1014	32	~~20~~ RQ 2/17	20	DI H_2O EF-3 V-1014	500ml	2-17	10:10	2-18	10:00	S	SW	RS		pH DI = 7.06
AC57097-008	29	20	20	"	25g/500ml	"	"	"	"	"	"	"		
AC57099-008	26	20	20	"	"	"	"	"	"	"	"	"		
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-18	10:10	2-19	10:00	S	KR/SW			pH DI = 8.16
AC57097-009	29	20	19	"	25g/500ml	"	"	"	"	"	"			
AC57099-009	26	20	20	"	"	"	"	"	"	"	"			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-19	10:10	2-20	10:00	S	KR			pH DI = 7.27
AC57097-010	~~009~~ 29 RQ 2/17	20	20	"	25g/500ml	"	"	"	"	"	"			
AC57099-010	26	20	20	"	"	"	"	"	"	"	"			

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

0414

Hampton-Clarke/Veritech

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF1V-107011	33	20	20	EF1V 107011	500ml	2-3	12:00	2-4	0745	T	SW/RQ	T		
23-11 S7067-004 AC SW ~~S7064-004~~	20	20	20		25g/500ml									
AC S7067-005	29	20	20											
AC S7065-001	21	20	19											
AC S7067-002	5	20	19											
AC S7082-003	19	20	20											
~~AC S7082-005~~ R.Q 2/14/11	~~26~~	~~20~~	~~20~~											Can Not Filter Taking out for Tumbling. Will have to do VOA Directly
AC														
EF3V-1014 DI H2O	32	20	20	EF3V-1014	500ml	2-10 ~~2-7~~ RQ 2/9	10:00	2-11 ~~2-8~~ RQ 2/9	10:00	RQ 2/11 TS	SW	A		DI = 4.57pH
AC 57097-001	29	20	20		25g/500ml									
AC 57099-001	26	20	20		1							A		
EF3V-1014	32	20	20	1014 EF3V-	500mL	2-11	10:10	2-12	10:00	S	SW/KR			RQ 2/11 DI = ~~4~~ 6.53
AC57097-002 RQ 2/14/11	29	20	20		25g/500mL									
AC57099-002	26	20	20		1									

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M
** Initials of person taking custody of extractions

Hampton-Clarke/Veritech

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-24	10:10	2-25	10:00	S	SW	FO		pH= 7.04
AC57097-015	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓	↓		
AC57099-015	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓	↓		
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-25	10:10	2-26	10:00	S	SW/KR			
AC57097-016	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-016	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-26	10:10	2-27	10:00	S	KR			
AC57097-017	29	19	19	↓	25g/500ml	↓	↓	↓	↓	↓	↓			
AC57099-017	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H2O EF-3 V-1014	500ml	2-27	10:10	2-28	10:00	S	KR/SW	FO		
AC57097-018	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓	↓		
AC57099-018	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓	↓		

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M

** Initials of person taking custody of extractions

0416

ZERO HEADSPACE EXTRACTION- SAMPLE ENTRY

Hampton-Clarke/Veritech

Sample ID	Vessel #	Initial Pressure	Final Pressure	Ext. Fluid #	Wt./Vol. Of Sample	Start Date	Start Time	Finish Date	Finish Time	Ext. Type*	Analyst (s)	Transfer To**	Transfer To**	Comments
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	2-28	10:10	3-1	10:00	S	SW			RQ 3/1/11 ~~7.21~~
AC57097-019	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			PH= ~~7.05~~
AC57099-019	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			
EF-3 V-1014	32	20	20	DI H_2O EF-3 V-1014	500ml	3-1	10:10	3-2	10:00	S	SW			
AC57097-020	29	20	20	↓	25g/500ml	↓	↓	↓	↓	↓	↓			PH= 7.45
AC57099-020	26	20	20	↓	↓	↓	↓	↓	↓	↓	↓			

*Ext. Type TCLP=T ASTM=A SPLP=S MEP = M
** Initials of person taking custody of extractions

RUN LOG

Instrument: GCMS_6 Year: 2011
Analyst: W

1-1-6M65279

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65279.	BFB TUNE		V-106304,V-95161,V-107388	WP						02/02 09:25
6M65280.	BLK	IsCnAnc	-	WP		Aqueous	1	1	624 8260	02/02 09:36
6M65281.	CAL @ 1 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 09:52
6M65282.	CAL @ 0.5 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 10:09
6M65283.	CAL @ 5 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 10:25
6M65284.	CAL @ 500 PPB	Oc	B-9600	WP		Aqueous	1	1	624 8260	02/02 10:48
6M65285.	CAL @ 250 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:06
6M65286.	CAL @ 100 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:22
6M65287.	CAL @ 50 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:40
6M65288.	CAL @ 20 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 11:56
6M65289.	CAL @ 10 PPB		B-9600	WP		Aqueous	1	1	624 8260	02/02 12:13
6M65290.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 12:29
6M65291.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/02 12:46
6M65292.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/02 13:02
6M65293.	ICV	Ivo	V-107437	WP		Aqueous	1	1	624 8260	02/02 13:30
6M65294.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 13:46
6M65295.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/02 14:05
6M65296.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/02 14:21
6M65297.	MBS5772		OK MBS5772	WP		Methano	1	1	8260	02/02 14:37
6M65298.	MBS5774		OK MBS5774	WP		Aqueous	1	1	624 8260	02/02 14:54
6M65299.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 15:10
6M65300.	20ppb(1/31)		-	WP		Aqueous	1	1	624 8260	02/02 15:26
6M65301.	20ppb(2/1)		-	WP		Aqueous	1	2	624 8260	02/02 15:45
6M65302.	20ppb(2/1)		-	WP		Aqueous	1	2	624 8260	02/02 16:01
6M65303.	AC57073-002		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 16:22
6M65304.	AC57073-005		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 16:38
6M65305.	BLK		-	WP		Aqueous	1	1	624 8260	02/02 16:55
6M65306.	AC57073-009		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 17:11
6M65307.	AC57073-008		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 17:27
6M65308.	AC57073-007		OK	WP	VO10-8260	Aqueous	1	1	8260	02/02 17:44
6M65309.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/03 07:01

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eha	An Extraction Before Collection Date
Emo	Problem Checking Prep/sundates modcheckprepsundate
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tcln/Solvent Extraction Date Missing/Not check'd
Eto	Tcln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16 I26	Initial cal 600 series failed Column 1 and or 2
I18 I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calmt csv for init calibration chek rfs
Iw	Initial cal warning. Ini cal file <> method.
Ix	Initial Cal Files Not Updated Properly for a samp
M16 M26	Spike Out Col 1 and or Col 2 600 series
M16a M16b	Spike Out Col 1 600 series Acid and or BN
M18 M28	Spike Out Col 1 and or Col 2 8000 series
M18a M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20... not checked
Cro	C30/C20 failed for eoh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or eodrin
R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

1-1-3M87517

RUN LOG

Instrument: GCMS_3 Year: 2011
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M87517.	BFB TUNE		V-106304,V-95161,V-107817	WP						02/09 09:13
3M87518.	BLK	IsCnAnc	-	WP		Aqueous	1	1	624 8260	02/09 09:23
3M87519.	CAL @ 1 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 09:40
3M87520.	CAL @ 0.5 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 09:59
3M87521.	CAL @ 5 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 10:18
3M87522.	CAL @ 500 PPB	Oc	B-9635	WP		Aqueous	1	1	624 8260	02/09 10:35
3M87523.	CAL @ 250 PPB	Oc	B-9635	WP		Aqueous	1	1	624 8260	02/09 10:52
3M87524.	CAL @ 100 PPB	Oc	B-9635	WP		Aqueous	1	1	624 8260	02/09 11:08
3M87525.	CAL @ 50 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 11:25
3M87526.	CAL @ 20 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 11:41
3M87527.	CAL @ 10 PPB		B-9635	WP		Aqueous	1	1	624 8260	02/09 11:58
3M87528.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 12:15
3M87529.	ICV	Ivo	V-107828	WP		Aqueous	1	1	624 8260	02/09 12:31
3M87530.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/09 12:48
3M87531.	DAILY BLANK		-,OK	WP		Aqueous	1	1	624 8260	02/09 13:04
3M87532.	DAILY BLANK		-,OK	WP		Methano	1	1	8260	02/09 13:21
3M87533.	1 PPB		-	WP		Aqueous	1	1	624 8260	02/09 13:38
3M87534.	MBS5983		OK MBS5983	WP		Aqueous	1	1	624 8260	02/09 13:54
3M87535.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 14:11
3M87536.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 14:27
3M87537.	MBS5993		- MBS5993	WP		Aqueous	1	1	624 8260	02/09 14:44
3M87538.	57040-001	Oc	-	WP		Aqueous	1	1	624 8260	02/09 15:01
3M87539.	20 PPB		-	WP		Aqueous	1	1	624 8260	02/09 15:17
3M87540.	AC57040-001(50X)		OK MBS5983	WP	VO10-8260	Aqueous	1	50	8260	02/09 15:37
3M87541.	AC57040-002(50X)(MS		OK MBS5983	WP	VO10-8260	Aqueous	1	50	624 8260	02/09 15:58
3M87542.	AC57040-003(50X)(MS		OK MBS5983	WP	VO10-8260	Aqueous	1	50	624 8260	02/09 16:20
3M87543.	20 PPB		- MBS5987	WP		Methano	1	40	8260	02/09 16:40
3M87544.	MBS5988		OK MBS5988	WP		Aqueous	1	1	624 8260	02/09 16:57
3M87545.	57180-001	Oc	RR-80uL	WP		Methano	1	1.399	8260	02/09 17:14
3M87546.	57180-004		RR-5G	WP		Methano	1	1.399	8260	02/09 17:30
3M87547.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 17:47
3M87548.	AC57171-011		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:04
3M87549.	AC57171-012		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:20
3M87550.	AC57171-013		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:37
3M87551.	AC57182-004		OK	WP	VO10-624	Aqueous	1	1	624	02/09 18:54
3M87552.	AC57171-001		OK	WP	VO10-624	Aqueous	1	1	624	02/09 19:10
3M87553.	AC57171-002	S6Ao	RR-1X	WP	VO10-624	Aqueous	1	1	624	02/09 19:26
3M87554.	AC57171-003		OK MBS5991	WP	VO10-624	Aqueous	1	1	624	02/09 19:43
3M87555.	AC57171-004		OK	WP	VO10-624	Aqueous	1	1	624	02/09 19:59
3M87556.	AC57171-005		OK MBS6022	WP	VO10-624	Aqueous	1	1	624	02/09 20:16
3M87557.	AC57080-001(MS)		OK MBS5988	WP	VOBTEX-624	Aqueous	1	1	624 8260	02/09 20:33
3M87558.	AC57080-001(MSD)		OK MBS5988	WP	VOBTEX-624	Aqueous	1	1	624 8260	02/09 20:49
3M87559.	BLK		-	WP		Aqueous	1	1	624 8260	02/09 21:06
3M87560.	AC57171-007		OK	WP	VO10-624	Aqueous	1	1	624	02/09 21:22
3M87561.	AC57171-008		OK	WP	VO10-624	Aqueous	1	1	624	02/09 21:38
3M87562.	AC57171-009		OK	WP	VO10-624	Aqueous	1	1	624	02/09 21:55
3M87563.	AC57171-010		OK MBS6009	WP	VO10-624	Aqueous	1	1	624	02/09 22:11
3M87564.	AC57171-014		OK	WP	VO10-624	Aqueous	1	1	624	02/09 22:27
3M87565.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/09 22:44
3M87566.	AC57182-001		OK	WP	VO10-624	Aqueous	1	1	624	02/09 23:00
3M87567.	AC57182-002(50X)		RR-1X ,dirty	WP	VO10-624	Aqueous	1	50	624	02/09 23:19
3M87568.	AC57182-003(50X)		RR-1X ,dirty	WP	VO10-624	Aqueous	1	50	624	02/09 23:41
3M87569.	AC57171-006(50X)		RR-1X	WP	VO10-624	Aqueous	1	50	624	02/10 00:02
3M87570.	MBS5989	Ti8	- MBS5989	WP		Aqueous	1	1	624 8260	02/10 00:21
3M87571.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 00:37
3M87572.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 00:53
3M87573.	BLK	S6S8Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:10
3M87574.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:27
3M87575.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:43
3M87576.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 01:59
3M87577.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 02:16
3M87578.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/10 02:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing dfl or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Diff
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek.rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini.cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16h	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18h	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emn	Problem Checking Prep/runDates.modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_6 Year: 2011
Analyst: SG

0419

1-1-6M65415

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65415.	BFB TUNE		V-106304,V-108116,V-95161,V-107817	DB						02/11 09:41
6M65416.	20 PPB	CnAnc	-	DB		Aqueous	1	1	624 8260	02/11 09:57
6M65417.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	02/11 10:15
6M65418.	BLKHCL		-	DB		Aqueous	1	1	624 8260	02/11 10:38
6M65419.	DAILY BLANK		OK	DB		Methano	1	1	8260	02/11 10:55
6M65420.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	02/11 11:11
6M65421.	MBS6005		OK MBS6005	DB		Methano	1	1	8260	02/11 11:28
6M65422.	MBS6006		OK MBS6006	DB		Aqueous	1	1	624 8260	02/11 11:44
6M65423.	BLKJUG2		-	DB		Aqueous	1	1	624 8260	02/11 12:02
6M65424.	AC57228-004		RR-5g	DB	VO10-8260	Methano	1	1	8260	02/11 12:18
6M65425.	AC57228-005		RR-5g MBS6013	DB	VO10-8260	Methano	1	1	8260	02/11 12:35
6M65426.	AC57229-001	Oc	RR-80uL	DB	VO10-8260	Methano	1	1	8260	02/11 12:51
6M65427.	AC57229-002		OK	DB	VO10-8260	Methano	1	1	8260	02/11 13:07
6M65428.	AC57232-003		OK	DB	VO-PA-FO82	Methano	1	1	8260	02/11 13:24
6M65429.	AC57232-007		RR-5g	DB	VO-PA-FO82	Methano	1	1	8260	02/11 13:40
6M65430.	AC57232-008		RR-5g	DB	VO-PA-FO82	Methano	1	1	8260	02/11 13:57
6M65431.	AC57232-009		RR-5g	DB	VO-PA-FO82	Methano	1	1	8260	02/11 14:13
6M65432.	AC57199-001		OK	DB	VO10-8260	Methano	1	1	8260	02/11 14:29
6M65433.	BLK		-	DB		Aqueous	1	1	624 8260	02/11 14:46
6M65434.	AC57205-019		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:02
6M65435.	AC57205-020		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:19
6M65436.	AC57205-021		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:35
6M65437.	AC57205-022		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 15:51
6M65438.	AC57224-003		RR-5g	DB	VO10-8260	Methano	1	1	8260	02/11 16:14
6M65439.	AC57224-004		RR-5g	DB	VO10-8260	Methano	1	1	8260	02/11 16:30
6M65440.	AC57205-023		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 16:47
6M65441.	AC57205-024		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 17:03
6M65442.	AC57205-025		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 17:19
6M65443.	AC57205-026		OK MBS6014	DB	VO-8260	Aqueous	1	1	8260	02/11 17:36
6M65444.	AC57205-016		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 17:52
6M65445.	AC57205-015		OK	DB	VO-8260	Aqueous	1	1	8260	02/11 18:11
6M65446.	AC57097-001(T)		OK	DB	VOSPLP-826	Aqueous	1	1	8260	02/11 18:27
6M65447.	AC57099-001(T)		OK	DB	VOSPLP-826	Aqueous	1	1	8260	02/11 18:44
6M65448.	EF-3-1014(2/11/11)		OK	DB		Aqueous	1	2	8260	02/11 19:00
6M65449.	AC57199-002		OK	DB	VO10-8260	Methano	1	1	8260	02/11 19:16
6M65450.	AC57216-001		OK	DB	VO10-8260	Aqueous	1	1	8260	02/11 19:33
6M65451.	AC57229-001(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	02/11 19:49
6M65452.	AC57232-001		OK	DB	VO-PA-FO82	Methano	1	1	8260	02/11 20:05
6M65453.	AC57232-002(400uL)		OK	DB	VO-PA-FO82	Methano	1	2	8260	02/11 20:22
6M65454.	EF-1-V-107674(021111		OK	DB		Aqueous	1	2111	8260	02/11 20:38
6M65455.	57224-007(80uL)		-	DB		Methano	1	10	8260	02/11 20:54
6M65456.	57224-008		-	DB		Methano	1	1.398	8260	02/11 21:11
6M65457.	BLK		-	DB		Aqueous	1	1	624 8260	02/11 21:27
6M65458.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	02/11 21:43

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	Ao Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/rundates modcheckprepunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-6M65519

RUN LOG

Instrument: GCMS_6 Year: 2011
Analyst: WI 0420

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65519.	BFB TUNE		V-106304,V-95161,V-107817,V-108428	WP						02/15 12:42
6M65520.	BLK	CnAnc	-	WP		Aqueous	1	1	624 8260	02/15 12:58
6M65521.	20 PPB	CnAnc	-	WP		Aqueous	1	1	624 8260	02/15 13:16
6M65522.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/15 13:38
6M65523.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 13:55
6M65524.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/15 14:19
6M65525.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/15 14:36
6M65526.	MBS6023	S8	- MBS6023	WP		Methano	1	1	8260	02/15 14:56
6M65527.	MBS6024		OK MBS6024	WP		Aqueous	1	1	624 8260	02/15 15:18
6M65528.	MBS6025	S8	- MBS6025	WP		Methano	1	1	8260	02/15 15:34
6M65529.	AC57241-001(MS)		OK MBS6026	WP	VO10-8260	Methano	1	1	8260	02/15 15:50
6M65530.	AC57241-001(MSD)		OK MBS6026	WP	VO10-8260	Methano	1	1	8260	02/15 16:07
6M65531.	MBS6026		OK MBS6026	WP		Methano	1	1	8260	02/15 16:23
6M65532.	AC57213-001		OK MBS6024	WP	VO10-624	Aqueous	1	1	624	02/15 16:40
6M65533.	AC57270-001		OK	WP	VO-624	Aqueous	1	1	624	02/15 16:56
6M65534.	AC57274-001		OK	WP	VO-PAGAS82	Aqueous	1	1	8260	02/15 17:12
6M65535.	AC57273-001		OK	WP	VO-PA-FO82	Aqueous	1	1	8260	02/15 17:29
6M65536.	AC57213-001(MS)		OK MBS6024	WP	VO10-624	Aqueous	1	1	624 8260	02/15 17:45
6M65537.	AC57213-001(MSD)		OK MBS6024	WP	VO10-624	Aqueous	1	1	624 8260	02/15 18:02
6M65538.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 18:18
6M65539.	AC57213-003		OK	WP	VO10-624	Aqueous	1	1	624	02/15 18:34
6M65540.	AC57213-002		OK	WP	VO10-624	Aqueous	1	1	624	02/15 18:51
6M65541.	AC57099-004(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/15 19:07
6M65542.	AC57097-004(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/15 19:23
6M65543.	AC57099-005(T)		OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/15 19:40
6M65544.	EF-3-1014(2/15/11)		OK	WP		Aqueous	1	2	8260	02/15 19:56
6M65545.	EF-3-VO-SPLPMONOL		OK	WP		Aqueous	1	2141	8260	02/15 20:13
6M65546.	AC57097-005(T)		OK MBS6063	WP	VOSPLP-826	Aqueous	1	1	8260	02/15 20:29
6M65547.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 20:45
6M65548.	BLK		-	WP		Aqueous	1	1	624 8260	02/15 21:02
6M65549.	524INTTEST	S6S8Ao	-	WP		Aqueous	1	1	624 8260	02/15 21:18

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evro	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/runDates modcheckprepoundsa	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_6 Year: 2004421
Analyst: WP

1-1-6M65639

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
6M65639.	BFB TUNE		V-106304,V-95161,V-107817,V-108738	WP						02/18 16:32
6M65640.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/18 16:42
6M65641.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/18 17:00
6M65642.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/18 17:16
6M65643.	MBS6063		OK MBS6063	WP		Aqueous	1	1	624 8260	02/18 17:33
6M65644.	MBS6064		OK MBS6064	WP		Methano	1	1	8260	02/18 17:49
6M65645.	AC57263-001(T)	S8	RR-1X	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:05
6M65646.	AC57198-002(T)	S8	RR-1X	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:22
6M65647.	AC57263-001(T)	S8	2ND RUN	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:40
6M65648.	AC57198-002(T)	S8	2ND RUN	WP	VOTCLP-826	Aqueous	1	1	8260	02/18 18:57
6M65649.	AC57097-005(T:MS)	M16	OK MBS6063	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/18 19:13
6M65650.	AC57097-005(T:MSD)	R16M16	OK MBS6063	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/18 19:30
6M65651.	EF-1-V-108537(02181$	8	RR-1X	WP		Aqueous	1	2181	8260	02/18 19:46
6M65652.	EF-3-V-1014(021711)		OK	WP		Aqueous	1	2171	8260	02/18 20:02
6M65653.	AC57294-001(40uL)		OK	WP	VO10-8260	Methano	1	20	8260	02/18 20:19
6M65654.	EF-3-V-1014(021611)		OK	WP		Aqueous	1	2161	8260	02/18 20:35
6M65655.	AC57298-005(80uL)		OK	WP	VO-8260	Methano	1	10	8260	02/18 20:52
6M65656.	EF-3-V-1014(021811)		OK	WP		Aqueous	1	2181	8260	02/18 21:08
6M65657.	AC57099-006(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/18 21:24
6M65658.	AC57099-007(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/18 21:41
6M65659.	AC57099-008(T)		OK	WP	ERROR	Aqueous	1	1	624 8260	02/18 21:57
6M65660.	BLK		-	WP		Aqueous	1	1	624 8260	02/18 22:14
6M65661.	AC57312-002		OK	WP	VO10-624	Aqueous	1	1	624	02/18 22:30
6M65662.	AC57312-003		OK	WP	VO10-624	Aqueous	1	1	624	02/18 22:46
6M65663.	AC57312-004		OK	WP	VO10-624	Aqueous	1	1	624	02/18 23:03
6M65664.	AC57312-005		OK	WP	VO10-624	Aqueous	1	1	624	02/18 23:19
6M65665.	AC57312-006		RR-1X	WP	VO10-624	Aqueous	1	1	624	02/18 23:35
6M65666.	AC57312-007		OK	WP	VO10-624	Aqueous	1	1	624	02/18 23:52
6M65667.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 07:36
6M65668.	AC57300-001		OK	WP	VO10-624	Aqueous	1	1	624	02/19 07:53
6M65669.	AC57300-002		OK	WP	VO10-624	Aqueous	1	1	624	02/19 08:12
6M65670.	AC57300-003	Oc	RR-10X	WP	VO10-624	Aqueous	1	1	624	02/19 08:29
6M65671.	AC57300-005		RR-1X	WP	VO10-624	Aqueous	1	1	624	02/19 08:45
6M65672.	AC57300-008		OK	WP	VO10-624	Aqueous	1	1	624	02/19 09:01
6M65673.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 09:18
6M65674.	AC57332-001		OK	WP	VO10-624	Aqueous	1	1	624	02/19 09:34
6M65675.	MBS6067	Ti8	- MBS6067	WP		Aqueous	1	1	624 8260	02/19 09:50
6M65676.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:07
6M65677.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:23
6M65678.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:39
6M65679.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/19 10:56

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for eph
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix mission drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have oassign cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have oassign cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-3M88068

RUN LOG

Instrument: GCMS_3 Year: 2011
Analyst: [illegible]

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88068.	BFB TUNE		V-106304,V-95161,V-107817,V-108854	WP						02/22 09:55
3M88069.	20 PPB	CnB6mAnc	-	WP		Aqueous	1	1	624 8260	02/22 10:05
3M88070.	CAL @ 20 PPB	C16	OK,8260 ONLY	WP		Aqueous	1	1	624 8260	02/22 10:25
3M88071.	BLKJUG2	C6fB6m	-	WP		Aqueous	1	1	624 8260	02/22 11:27
3M88072.	STDTEST		-	WP		Methano	1	1	8260	02/22 11:05
3M88073.	DAILY BLANK	C6f	OK	WP		Aqueous	1	1	624 8260	02/22 12:01
3M88074.	MBS6079	C6f	OK MBS6079	WP		Aqueous	1	1	624 8260	02/22 12:17
3M88075.	MBS6080		- MBS6080	WP		Methano	1	1	8260	02/22 12:34
3M88076.	AC57097-009(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 12:50
3M88077.	AC57097-010(T)		OK MBS6079	WP	VOSPLP-826	Aqueous	1	1	8260	02/22 13:07
3M88078.	AC57097-011(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 13:23
3M88079.	AC57099-009(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 13:40
3M88080.	AC57099-010(T)	Oc	OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/22 13:57
3M88081.	AC57099-011(T)	C6f	OK	WP	ERROR	Aqueous	1	1	624 8260	02/22 14:13
3M88082.	EF-3-V-1014#9(021911		OK	WP		Aqueous	1	2191	8260	02/22 14:30
3M88083.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/22 14:46
3M88084.	MBS6081		OK MBS6081	WP		Methano	1	1	8260	02/22 15:03
3M88085.	EF-3-V-1014#10(02201		OK	WP		Aqueous	1	2201	8260	02/22 15:20
3M88086.	AC57375-001	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/22 15:36
3M88087.	AC57375-002		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/22 15:53
3M88088.	AC57375-003		RR-5G,dirty	WP	VO10-8260	Methano	1	1	8260	02/22 16:09
3M88089.	AC57375-006		OK	WP	VO10-8260	Methano	1	1	8260	02/22 16:26
3M88090.	AC57375-008		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/22 16:42
3M88091.	AC57375-010	Oc	OK	WP	VO10-8260	Methano	1	1	8260	02/22 16:59
3M88092.	AC57375-011		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/22 17:15
3M88093.	EF-3-V-1014#11(02211		OK	WP		Aqueous	1	2211	8260	02/22 17:32
3M88094.	AC57372-001(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/22 17:51
3M88095.	AC57375-012(80uL)		RR-400uL,dirty	WP	VO10-8260	Methano	1	10	8260	02/22 18:14
3M88096.	AC57375-005(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/22 18:36
3M88097.	AC57375-007(80uL)		RR-800uL	WP	VO10-8260	Methano	1	10	8260	02/22 18:58
3M88098.	AC57375-009(80uL)	Oc	OK	WP	VO10-8260	Methano	1	10	8260	02/22 19:19
3M88099.	AC57375-004(80uL)	Oc	RR-40uL	WP	VO10-8260	Methano	1	10	8260	02/22 19:41
3M88100.	AC57375-013(80uL)	Oc	RR-40uL	WP	VO10-8260	Methano	1	10	8260	02/22 20:02
3M88101.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 20:22
3M88102.	AC57097-010(T:MS)	C6fM16	OK MBS6079	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/22 20:38
3M88103.	AC57097-010(T:MSD)	C6fM16	OK MBS6079	WP	VOSPLP-826	Aqueous	1	1	624 8260	02/22 20:55
3M88104.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 21:11
3M88105.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 21:28
3M88106.	BLK	C6f	-	WP		Aqueous	1	1	624 8260	02/22 21:44
3M88107.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:01
3M88108.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:17
3M88109.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:33
3M88110.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 22:50
3M88111.	BLK	C6fTi8	-	WP		Aqueous	1	1	624 8260	02/22 23:07

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank dirl not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Endinn Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eha	An Extraction Before Collection Date
Emp	Problem Checking Prep/updates modcheckprepunda
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tcln/Solvent Extraction Date Missing/Not check'd
Eto	Tcln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for Init calibration chek rfs
Iw	Initial cal warning. Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a samol
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20 not checked
Cro	C30/C20 failed for enh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or endrin
R16,R26	Rnd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_2 Year: 2011
Analyst: DB

1-1-2M63418

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M63418.	BFB TUNE		V-106304,V-95161,V-109130	WP						02/25 06:00
2M63419.	BLK	IsCnAnc	-	DB		Aqueous	1	1	624 8260	02/25 06:16
2M63421.	CAL @ 1 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 07:55
2M63422.	CAL @ 0.5 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 08:13
2M63423.	CAL @ 5 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 08:31
2M63424.	CAL @ 500 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 08:47
2M63425.	CAL @ 250 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 09:02
2M63426.	CAL @ 100 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 09:18
2M63427.	CAL @ 50 PPB	Oc	B-9749	WP		Aqueous	1	1	624 8260	02/25 09:34
2M63428.	CAL @ 20 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 09:50
2M63429.	CAL @ 10 PPB		B-9749	WP		Aqueous	1	1	624 8260	02/25 10:06
2M63430.	ICV	Ivo	V-109313	WP		Aqueous	1	1	624 8260	02/25 10:22
2M63431.	BLK		-	DB		Aqueous	1	1	624 8260	02/25 11:00
2M63432.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	02/25 11:16
2M63433.	DAILY BLANK		OK	DB		Methano	1	1	8260	02/25 11:32
2M63434.	MBS6137		OK MBS6137	DB		Aqueous	1	1	624 8260	02/25 11:48
2M63435.	BLK		-	DB		Aqueous	1	1	624 8260	02/25 12:03
2M63436.	MBS6218		OK MBS6218	DB		Methano	1	1	8260	02/25 12:19
2M63437.	MBS6219		OK MBS6219	DB		Methano	1	1	8260	02/25 12:35
2M63438.	MBS6220		OK MBS6220	DB		Methano	1	1	8260	02/25 12:51
2M63439.	MBS6221		OK MBS6221	DB		Methano	1	1	8260	02/25 13:07
2M63440.	MBS6222		OK MBS6222	DB		Methano	1	1	8260	02/25 13:22
2M63441.	MBS6223		OK MBS6223	DB		Methano	1	1	8260	02/25 13:38
2M63442.	MBS6224		OK MBS6224	DB		Methano	1	1	8260	02/25 13:54
2M63443.	MBS6225		OK MBS6225	DB		Methano	1	1	8260	02/25 14:10
2M63444.	BLK		-	DB		Aqueous	1	1	624 8260	02/25 14:26
2M63445.	AC57458-001		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 14:42
2M63446.	AC57458-002		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 14:57
2M63447.	AC57458-003		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 15:13
2M63448.	AC57458-004		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 15:29
2M63449.	AC57458-005		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 15:45
2M63450.	BLK		-	WP		Aqueous	1	1	624 8260	02/25 16:19
2M63451.	AC57476-001		OK	WP	VO-8260	Aqueous	1	1	8260	02/25 16:43
2M63452.	AC57476-002		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 16:59
2M63453.	AC57476-003		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 17:15
2M63454.	AC57476-004		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 17:31
2M63455.	AC57476-005		OK	DB	VO-8260	Aqueous	1	1	8260	02/25 17:46
2M63456.	AC57476-006	Ti8	RR-1X	DB	VO-8260	Aqueous	1	1	8260	02/25 18:02
2M63457.	AC57476-007	Ti8	RR-1X	DB	VO-8260	Aqueous	1	1	8260	02/25 18:18
2M63458.	AC57476-008	Ti8	RR-1X	DB	VO-8260	Aqueous	1	1	8260	02/25 18:34
2M63459.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	02/25 18:49

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tnln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tnln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16,R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16,I26	Initial cal 600 series failed Column 1 and or 2	R18,R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18,I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmd.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Enrlino Cal missing for sample (8000 series)	Iw	Initial cal warning .Ini cal file <> method..	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
D1n,D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16,M26	Spike Out Col 1 and or Col 2 600 series	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a,M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/rundates modcheckoreprunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-3M88287

RUN LOG

Instrument: GCMS_3 Year: 2011
Analyst: 0424

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88287.	BFB TUNE		V-106304,V-95161,V-107817,V-109183	WP						02/25 07:38
3M88288.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/25 07:57
3M88289.	BLKHCL		-	WP		Aqueous	1	1	624 8260	02/25 08:18
3M88290.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/25 08:34
3M88291.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/25 08:51
3M88292.	MBS6131		- MBS6131	WP		Methano	1	1	8260	02/25 09:08
3M88293.	MBS6133		OK MBS6133	WP		Aqueous	1	1	624 8260	02/25 09:25
3M88294.	MBS6135		OK MBS6135	WP		Methano	1	1	8260	02/25 09:41
3M88295.	AC57379-006		RR-5G MBS6131	WP	VO10-8260	Methano	1	1	8260	02/25 09:58
3M88296.	AC57431-001	S8	RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 10:14
3M88297.	AC57426-001		OK	WP	VO10-8260	Methano	1	1	8260	02/25 10:31
3M88298.	AC57426-002		OK	WP	VO10-8260	Methano	1	1	8260	02/25 10:47
3M88299.	AC57426-003		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 11:04
3M88300.	AC57431-001	S8AoRo	-	WP	VO10-8260	Methano	1	1	8260	02/25 11:21
3M88301.	AC57426-004	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 11:37
3M88302.	AC57426-005	Oc	RR-40uL	WP	VO10-8260	Methano	1	1	8260	02/25 11:54
3M88303.	AC57426-006		RR-800uL	WP	VO10-8260	Methano	1	1	8260	02/25 12:11
3M88304.	AC57426-007	Oc	R-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 12:27
3M88305.	AC57426-008		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 12:44
3M88306.	AC57441-001		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 13:01
3M88307.	AC57441-002	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 13:18
3M88308.	AC57441-003	Oc	RR-80uL	WP	VO10-8260	Methano	1	1	8260	02/25 13:34
3M88309.	AC57441-004		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 13:51
3M88310.	AC57441-005		OK	WP	VO10-8260	Methano	1	1	8260	02/25 14:08
3M88311.	AC57441-007		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 14:25
3M88312.	AC57441-008	Oc	RR-40uL	WP	VO10-8260	Methano	1	1	8260	02/25 14:42
3M88313.	AC57441-010		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/25 14:58
3M88314.	AC57441-006(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/25 15:17
3M88315.	AC57441-009(80uL)	Oc	RR-20uL	WP	VO10-8260	Methano	1	10	8260	02/25 15:40
3M88316.	AC57379-006(MS)		OK MBS6131	WP	VO10-8260	Methano	1	1	8260	02/25 15:59
3M88317.	AC57379-006(MSD)		OK MBS6131	WP	VO10-8260	Methano	1	1	8260	02/25 16:16
3M88318.	BLK		-	WP		Aqueous	1	1	624 8260	02/25 16:33
3M88319.	AC57099-015(T)	Eto	OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/25 16:49
3M88320.	AC57097-015(T)	Eto	OK	WP	VOSPLP-826	Aqueous	1	1	8260	02/25 17:06
3M88321.	AC57097-014(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/25 17:23
3M88322.	AC57099-014(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/25 17:39
3M88323.	EF-3-V-1014#14(02241		OK	WP		Aqueous	1	2241	8260	02/25 17:56
3M88324.	EF-3-V-1014#15(02251		OK	WP		Aqueous	1	2251	8260	02/25 18:12
3M88325.	AC57364-004		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 18:29
3M88326.	AC57364-003		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 18:49
3M88327.	AC57364-002		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 19:06
3M88328.	AC57364-001		OK	WP	VO-PA-8260	Aqueous	1	1	8260	02/25 19:22
3M88329.	AC57280-006(MS)	Ti8	OK MBS6233	WP	VO10-624	Aqueous	1	1	624 8260	02/25 19:39
3M88330.	AC57280-006(MSD)	Ti8	OK MBS6233	WP	VO10-624	Aqueous	1	1	624 8260	02/25 19:56
3M88331.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/25 20:13
3M88332.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/25 20:30
3M88333.	BLK	Ti8	OK	WP		Aqueous	1	1	624 8260	02/25 20:46
3M88334.	MBS6232	Ti8	OK MBS6232	WP		Aqueous	1	1	624 8260	02/25 21:03
3M88335.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/25 21:20
3M88336.	AC57414-006		OK	WP	VO10-624	Aqueous	1	1	624	02/25 21:37
3M88337.	AC57414-007		OK	WP	VO10-624	Aqueous	1	1	624	02/25 21:53
3M88338.	AC57434-002		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:09
3M88339.	AC57422-021		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:26
3M88340.	AC57422-005		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:42
3M88341.	AC57422-007		OK	WP	VO10-624	Aqueous	1	1	624	02/25 22:59
3M88342.	AC57422-009		OK MBS6242	WP	VO10-624	Aqueous	1	1	624	02/25 23:16
3M88343.	AC57422-011		OK	WP	VO10-624	Aqueous	1	1	624	02/25 23:32
3M88344.	AC57422-017		OK	WP	VO10-624	Aqueous	1	1	624	02/25 23:49
3M88345.	AC57422-019		OK	WP	VO10-624	Aqueous	1	1	624	02/26 00:06
3M88346.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/26 00:22
3M88347.	AC57414-002		OK	WP	VO10-624	Aqueous	1	1	624	02/26 00:38
3M88348.	AC57414-005		OK	WP	VO10-624	Aqueous	1	1	624	02/26 00:55
3M88349.	AC57414-003		OK	WP	VO10-624	Aqueous	1	1	624	02/26 01:11
3M88350.	AC57414-001		OK	WP	VO10-624	Aqueous	1	1	624	02/26 01:28
3M88351.	AC57414-004		OK	WP	VO10-624	Aqueous	1	1	624	02/26 01:45
3M88352.	MBS6233	Ti8	OK MBS6233	WP		Aqueous	1	1	624 8260	02/26 02:02

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or andon
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rod Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rod Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	800 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method...	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepnuda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_3 Year: 2011
Analyst: 0425

1-1-3M88353

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)		Analysis Date
3M88353.	BLK	Ti8	-	WP		Aqueous	1	1	624	8260	02/26 02:18
3M88354.	AC57422-015		OK	WP	VO10-624	Aqueous	1	1	624		02/26 02:35
3M88355.	AC57422-013		RR-1X,possible co	WP	VO10-624	Aqueous	1	1	624		02/26 02:52
3M88356.	AC57422-003		OK	WP	VO10-624	Aqueous	1	1	624		02/26 03:08
3M88357.	AC57422-001(20X)		OK	WP	VO10-624	Aqueous	1	20	624		02/26 03:27
3M88358.	BLK	Ti8	-	WP		Aqueous	1	1	624	8260	02/26 03:46
3M88359.	AC57434-001		OK	WP	VO10-624	Aqueous	1	1	624		02/26 04:03
3M88360.	AC57280-007(MS)	Ti8	OK MBS6232	WP	VO10-624	Aqueous	1	1	624	8260	02/26 04:19
3M88361.	AC57280-007(MSD)	Ti8	OK MBS6232	WP	VO10-624	Aqueous	1	1	624	8260	02/26 04:36
3M88362.	BLK	Ti8	-	WP		Aqueous	1	1	624	8260	02/26 04:52
3M88363.	BLK	Ti8	OK	WP		Aqueous	1	1	624	8260	02/26 05:09
3M88364.	MBS6234	Ti8	OK MBS6234	WP		Aqueous	1	1	624	8260	02/26 05:25
3M88365.	BLK	Ti8	-	WP		Aqueous	1	1	624	8260	02/26 05:42
3M88366.	AC57437-008		OK	WP	VO10-624	Aqueous	1	1	624		02/26 05:58
3M88367.	AC57443-001		OK	WP	VO10-624	Aqueous	1	1	624		02/26 06:15
3M88368.	AC57443-002		OK	WP	VO10-624	Aqueous	1	1	624		02/26 06:31
3M88369.	AC57443-005		OK	WP	VO10-624	Aqueous	1	1	624		02/26 06:48
3M88370.	AC57443-004		OK	WP	VO10-624	Aqueous	1	1	624		02/26 07:05
3M88371.	AC57443-003		OK	WP	VO10-624	Aqueous	1	1	624		02/26 07:21
3M88375.	BLK	S6S8Ti6Ti8AoRo	-	WP		Aqueous	1	1	624	8260	02/27 10:30
3M88376.	BLK	S6S8Ti6Ti8AoRo	-	WP		Aqueous	1	1	624	8260	02/27 12:01
3M88377.	BLK	S6S8Ti6Ti8AoRo	-	WP		Aqueous	1	1	624	8260	02/27 12:29
3M88378.	BLK	Ti6Ti8Ao	-	WP		Aqueous	1	1	624	8260	02/27 12:44
3M88379.	BLK	Ti6Ti8	-	WP		Aqueous	1	1	624	8260	02/27 13:19

Anc	Area Not Checked
An	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1n D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eha	An Extraction Before Collection Date
Emo	Problem Checking Prep/rundates modcheckpreprundate
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Trip/Solvent Extraction Date Missing/Not check'd
Eto	Trip Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16 I26	Initial cal 600 series failed Column 1 and or 2
I18 I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calml.csv for init calibration chek rfs
Iw	Initial cal warning..ini cal file <> method..
Ix	Initial Cal Files Not Updated Properly for a sampl
M16 M26	Spike Out Col 1 and or Col 2 600 series
M16a M16h	Spike Out Col 1 600 series Acid and or BN
M18 M28	Spike Out Col 1 and or Col 2 8000 series
M18a M18h	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20 ... not checked
Cro	C30/C20 failed for endr
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or endrin
R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

1-1-3M88385

RUN LOG

Instrument: GCMS_3 Year: 2011
Analyst: 0426

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88385.	BFB TUNE		V-106304,V95161,V-109130	DB						02/27 14:51
3M88387.	CAL @ 1 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 15:21
3M88388.	CAL @ 0.5 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 15:41
3M88389.	CAL @ 5 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 16:00
3M88390.	CAL @ 500 PPB	Oc	B-9749	DB		Aqueous	1	1	624 8260	02/27 16:17
3M88391.	CAL @ 250 PPB	Oc	B-9749	DB		Aqueous	1	1	624 8260	02/27 16:34
3M88392.	CAL @ 100 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 16:50
3M88393.	CAL @ 50 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 17:07
3M88394.	CAL @ 20 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 17:23
3M88395.	CAL @ 10 PPB		B-9749	DB		Aqueous	1	1	624 8260	02/27 17:40
3M88396.	BLK		-	DB		Aqueous	1	1	624 8260	02/27 17:56
3M88397.	20 PPB		-	DB		Aqueous	1	1	624 8260	02/27 18:13
3M88398.	ICV	Ivo	V-109313	DB		Aqueous	1	1	624 8260	02/27 18:29
3M88399.	BLK		-	DB		Aqueous	1	1	624 8260	02/27 18:46
3M88400.	DAILY BLANK		OK	DB		Methano	1	1	8260	02/27 19:03
3M88401.	DAILY BLANK		OK	DB		Aqueous	1	1	624 8260	02/27 19:20
3M88402.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 19:36
3M88403.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 19:53
3M88404.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 20:09
3M88405.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 20:26
3M88406.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 20:42
3M88407.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 20:59
3M88408.	1 PPB		-	DB		Aqueous	1	1	624 8260	02/27 21:16
3M88409.	MDL@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 21:32
3M88410.	VER@ 1 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 21:49
3M88411.	VER@ 0.5 PPB		OK	DB		Aqueous	1	1	624 8260	02/27 22:08
3M88412.	DAILY BLANK		OK	DB		Methano	1	1	8260	02/27 22:27
3M88413.	MBS6231		OK MBS6231	DB		Methano	1	1	8260	02/27 22:43
3M88414.	AC57477-012	S8Oc			VO10-8260	Methano	1	1	8260	02/27 23:00
3M88415.	AC57477-014	S8Oc			VO10-8260	Methano	1	1	8260	02/27 23:16
3M88416.	AC57477-017	S8Oc			VO10-8260	Methano	1	1	8260	02/27 23:33
3M88417.	57477-011					Methano	1	1.391	8260	02/27 23:49
3M88418.	57477-013					Methano	1	1.391	8260	02/28 00:05
3M88419.	57477-015					Methano	1	1.391	8260	02/28 00:22
3M88420.	57477-016					Methano	1	1.391	8260	02/28 00:39
3M88421.	57477-018					Methano	1	1.391	8260	02/28 00:56
3M88422.	57477-019					Methano	1	1.391	8260	02/28 01:12
3M88423.	57487-020					Methano	1	1.391	8260	02/28 01:29
3M88424.	57487-016					Methano	1	1.391	8260	02/28 01:45
3M88425.	57487-012					Methano	1	1.391	8260	02/28 02:02
3M88426.	57487-008					Methano	1	1.391	8260	02/28 02:19
3M88427.	57487-004					Methano	1	1.391	8260	02/28 02:35
3M88428.	57487-018					Methano	1	1.391	8260	02/28 02:51
3M88429.	57487-014	Ti8				Methano	1	1.391	8260	02/28 03:08
3M88430.	57487-010	Ti8				Methano	1	1.391	8260	02/28 03:24
3M88431.	57487-006	Ti8				Methano	1	1.391	8260	02/28 03:41
3M88432.	57487-002	Ti8				Methano	1	1.391	8260	02/28 03:57
3M88433.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 04:13
3M88434.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 04:30
3M88435.	BLK	S6S8Ti8				Aqueous	1	1	624 8260	02/28 04:46
3M88436.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 05:01
3M88437.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 05:16
3M88438.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 05:31
3M88439.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 05:46
3M88440.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 06:01
3M88441.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 06:16
3M88442.	BLK	Ti8				Aqueous	1	1	624 8260	02/28 06:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20.... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C18	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method...	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1n.D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Preo/pudates modcheckoreopunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-3M88443

RUN LOG

Instrument: GCMS_3 Year: 2011
Analyst: 0427

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88443.	BFB TUNE		V-106304,V-95161,V-109130,V-109368	WP						02/28 06:45
3M88444.	BLK	CnAnc	-	WP		Aqueous	1	1	624 8260	02/28 06:55
3M88445.	20 PPB	CnAnc	-	WP		Aqueous	1	1	624 8260	02/28 07:21
3M88446.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	02/28 07:40
3M88447.	BLK		-	WP		Aqueous	1	1	624 8260	02/28 07:57
3M88448.	DAILY BLANK		OK	WP		Methano	1	1	8260	02/28 08:14
3M88449.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	02/28 08:31
3M88450.	MBS6241		OK MBS6241	WP		Methano	1	1	8260	02/28 08:47
3M88451.	MBS6242		OK MBS6242	WP		Aqueous	1	1	624 8260	02/28 09:04
3M88452.	BLK		-	WP		Aqueous	1	1	624 8260	02/28 09:21
3M88453.	AC57454-001		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/28 09:37
3M88454.	AC57454-002		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/28 09:54
3M88455.	AC57454-003		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/28 10:10
3M88456.	AC57454-004		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/28 10:27
3M88457.	AC57454-005		RR-5G	WP	VO10-8260	Methano	1	1	8260	02/28 10:43
3M88458.	AC57426-004(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/28 11:06
3M88459.	AC57426-007(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/28 11:23
3M88460.	AC57426-005(40uL)		OK	WP	VO10-8260	Methano	1	20	8260	02/28 11:40
3M88461.	AC57426-006		OK	WP	VO10-8260	Methano	1	1	8260	02/28 11:57
3M88462.	AC57441-008(40uL)		OK	WP	VO10-8260	Methano	1	20	8260	02/28 12:13
3M88463.	AC57441-002(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/28 12:30
3M88464.	AC57441-003(80uL)		OK	WP	VO10-8260	Methano	1	10	8260	02/28 12:47
3M88465.	AC57441-009(20uL)		OK	WP	VO10-8260	Methano	1	40	8260	02/28 13:04
3M88466.	BLKHCL		-	WP		Aqueous	1	1	624 8260	02/28 13:20
3M88467.	AC57426-003		OK	WP	VO10-8260	Methano	1	1	8260	02/28 13:37
3M88468.	AC57475-001		OK	WP	VOSTAR2-82	Aqueous	1	1	8260	02/28 13:54
3M88469.	AC57475-002		OK	WP	VOSTAR2-82	Aqueous	1	1	8260	02/28 14:10
3M88470.	AC57475-003		OK	WP	VOSTAR2-82	Aqueous	1	1	8260	02/28 14:27
3M88471.	AC57475-004		OK	WP	VOSTAR2-82	Aqueous	1	1	8260	02/28 14:44
3M88472.	AC57099-010(5X)		OK	WP	VOSPLP-826	Aqueous	1	5	8260	02/28 15:04
3M88473.	AC57475-005(5X)		OK	WP	VOSTAR2-82	Aqueous	1	5	8260	02/28 15:26
3M88474.	EF-3-V-1014(022611)		OK	WP		Aqueous	1	2261	8260	02/28 15:45
3M88475.	EF-3-V-1014(022711)		OK	WP		Aqueous	1	2271	8260	02/28 16:02
3M88476.	AC57475-006		OK	WP	VOSTAR2-82	Aqueous	1	1	8260	02/28 16:18
3M88477.	AC57475-007		OK	WP	VOSTAR2-82	Aqueous	1	1	8260	02/28 16:35
3M88478.	AC57099-016(T)	OcHo	RR-5X	WP	ERROR	Aqueous	1	1	624 8260	02/28 16:51
3M88479.	AC57099-017(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/28 17:08
3M88480.	AC57099-018(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/28 17:24
3M88481.	AC57097-016(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/28 17:40
3M88482.	AC57097-017(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/28 17:57
3M88483.	AC57097-018(T)	Ho	OK	WP	ERROR	Aqueous	1	1	624 8260	02/28 18:13
3M88484.	EF-3-V-1014(022811)		OK	WP		Aqueous	1	2281	8260	02/28 18:30
3M88485.	AC57422-009(MS)	Ti8	OK MBS6242	WP	VO10-624	Aqueous	1	1	624 8260	02/28 18:46
3M88486.	AC57422-009(MSD)	Ti8	OK MBS6242	WP	VO10-624	Aqueous	1	1	624 8260	02/28 19:03
3M88487.	BLK	S6S8Ti8Ao	-	WP		Aqueous	1	1	624 8260	02/28 19:19
3M88488.	BLK	Ti8	OK	WP		Aqueous	1	1	624 8260	02/28 19:36
3M88489.	MBS6259	Ti8	- MBS6259	WP		Aqueous	1	1	624 8260	02/28 19:52
3M88490.	MBS6260	Ti8	OK MBS6260	WP		Aqueous	1	1	624 8260	02/28 20:08
3M88491.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	02/28 20:25
3M88492.	AC57444-009		OK	WP	VOBTEX-624	Aqueous	1	1	624	02/28 20:41
3M88493.	AC57444-011		OK	WP	VOBTEX-624	Aqueous	1	1	624	02/28 20:58
3M88494.	AC57450-005		OK	WP	VO10-624	Aqueous	1	1	624	02/28 21:15
3M88495.	AC57450-006		OK	WP	VO10-624	Aqueous	1	1	624	02/28 21:31
3M88496.	AC57449-018		OK	WP	VO10-624	Aqueous	1	1	624	02/28 21:47
3M88497.	AC57444-001		OK	WP	VOBTEX-624	Aqueous	1	1	624	02/28 22:04
3M88498.	AC57444-007		OK	WP	VOBTEX-624	Aqueous	1	1	624	02/28 22:21
3M88499.	AC57449-020		OK	WP	VO10-624	Aqueous	1	1	624	02/28 22:37
3M88500.	AC57450-001		OK	WP	VO10-624	Aqueous	1	1	624	02/28 22:54
3M88501.	AC57450-002		OK	WP	VO10-624	Aqueous	1	1	624	02/28 23:11
3M88502.	AC57450-003		OK	WP	VO10-624	Aqueous	1	1	624	02/28 23:27
3M88503.	AC57450-004		OK	WP	VO10-624	Aqueous	1	1	624	02/28 23:43
3M88504.	AC57451-001		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 00:00
3M88505.	AC57451-002		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 00:16
3M88506.	AC57452-001		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 00:33
3M88507.	AC57452-002		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 00:50
3M88508.	AC57452-003		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 01:07

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/rundates modcheckprepround
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tclo/Solvent Extraction Date Missing/Not check'd
Eto	Tclo Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16 I26	Initial cal 600 series failed Column 1 and or 2
I18 I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Pmb with calmt.csv for init calibration chek rls
Iw	Initial cal warning..Ini cal file <> method..
Ix	Initial Cal Files Not Updated Properly for a samol
M16.M26	Spike Out Col 1 and or Col 2 600 series
M16a.M16b	Spike Out Col 1 600 series Acid and or BN
M18.M28	Spike Out Col 1 and or Col 2 8000 series
M18a.M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20 ... not checked
Cro	C30/C20 failed for enh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evro	Eval Mix missing ddt or endrin
R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Rn	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-3M88509

Instrument: GCMS_3 Year: 2011 0428
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
3M88509.	AC57478-001		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 01:23
3M88510.	AC57478-003		OK	WP	VOBTEX-624	Aqueous	1	1	624	03/01 01:40
3M88511.	AC57444-003(10X)		RR-1X	WP	VOBTEX-624	Aqueous	1	10	624	03/01 01:59
3M88512.	MBS6261	Ti8	- MBS6261	WP		Aqueous	1	1	624 8260	03/01 02:18
3M88513.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 02:34
3M88514.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 02:51
3M88515.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 03:07
3M88516.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 03:23
3M88517.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 03:38
3M88518.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 03:53
3M88519.	BLK	S6S8Ti8	-	WP		Aqueous	1	1	624 8260	03/01 04:09
3M88520.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 04:24
3M88521.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 04:39
3M88522.	BLK	Ti8	-	WP		Aqueous	1	1	624 8260	03/01 04:55

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddl or anddn
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Diff
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method...	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/updates modcheckprepfunds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-2M63640

RUN LOG

Instrument: GCMS_2 Year: 2011
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M63640.	BFB TUNE		V-106304,V-95161,V-109540,V-109602	WP						03/02 13:49
2M63641.	BLKJUG3	CnAnc	-	WP		Aqueous	1	1	624 8260	03/02 14:01
2M63642.	CAL @ 20 PPB		OK	WP		Aqueous	1	1	624 8260	03/02 14:16
2M63643.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 14:38
2M63644.	DAILY BLANK		OK	WP		Methano	1	1	8260	03/02 14:57
2M63645.	DAILY BLANK		OK	WP		Aqueous	1	1	624 8260	03/02 15:12
2M63646.	MBS6292		OK MBS6292	WP		Methano	1	1	8260	03/02 15:28
2M63647.	MBS6293		OK MBS6293	WP		Aqueous	1	1	624 8260	03/02 15:44
2M63648.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 16:00
2M63649.	AC57462-001		OK MBS6293	WP	VO10-624	Aqueous	1	1	624	03/02 16:16
2M63650.	AC57466-005		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 16:32
2M63651.	AC57466-006		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 16:47
2M63652.	AC57466-009		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 17:03
2M63653.	AC57466-008		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 17:19
2M63654.	AC57466-007		OK	WP	VOTAGM-826	Aqueous	1	1	8260	03/02 17:35
2M63655.	AC57442-001(T)		OK	WP	VOTCLP-826	Aqueous	1	1	8260	03/02 17:51
2M63656.	AC57471-001(T)		OK MBS6307	WP	VOTCLP-826	Aqueous	1	1	8260	03/02 18:07
2M63657.	AC57462-001(MS)		OK MBS6293	WP	VO10-624	Aqueous	1	1	624 8260	03/02 18:23
2M63658.	AC57462-001(MSD)		OK MBS6293	WP	VO10-624	Aqueous	1	1	624 8260	03/02 18:38
2M63659.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 18:54
2M63660.	AC57392-009		OK	WP	VO10-8260	Aqueous	1	1	8260	03/02 19:10
2M63661.	AC57487-035		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 19:26
2M63662.	AC57490-005		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 19:42
2M63663.	AC57490-006	S8	RR-1X	WP	VO-8260	Aqueous	1	1	8260	03/02 19:58
2M63664.	BLK		-	WP		Aqueous	1	1	624 8260	03/02 20:13
2M63665.	AC57531-003		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 20:29
2M63666.	AC57531-004		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 20:45
2M63667.	AC57531-005		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:01
2M63668.	AC57531-006		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:16
2M63669.	AC57531-007		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:32
2M63670.	AC57531-009		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 21:48
2M63671.	AC57531-010		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 22:04
2M63672.	AC57531-011		OK	WP	VO-8260	Aqueous	1	1	8260	03/02 22:19
2M63673.	AC57487-022(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 22:35
2M63674.	AC57487-024(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 22:51
2M63675.	AC57487-026(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 23:07
2M63676.	AC57487-028(40uL)		RR-5G	WP	VO-8260	Methano	1	20	8260	03/02 23:22
2M63677.	AC57487-030(40uL)	S8Ti8	RR-5G	WP	VO-8260	Methano	1	20	8260	03/03 06:58
2M63678.	AC57487-034(40uL)	Ti8	RR-5G	WP	VO-8260	Methano	1	20	8260	03/03 07:14
2M63679.	AC57487-032(40uL)	S8Ti8	RR-5G	WP	VO-8260	Methano	1	20	8260	03/03 07:30
2M63680.	AC57512-001	Ti8	RR-5G	WP	VOBTEX-826	Methano	1	1	8260	03/03 07:46

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eqh
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/pndates modcheckprepround	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_2 Year: 2011 0430
Analyst: wp

1-1-2M63682

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M63682.	BFB TUNE		V-106304,V-109728,~~V-109706~~,V-109130	DB						03/03 08:08
2M63683.	BLK	CnS6S8Anc	-	DB		Aqueous	1	1	624 8260	03/03 08:18
2M63684.	CAL @ 20 PPB		OK	DB		Aqueous	1	1	624 8260	03/03 08:28
2M63685.	BLKHCL		-	DB		Aqueous	1	1	624 8260	03/03 08:49
2M63686.	DAILY BLANK		OK	DB		Methano	1	1	8260	03/03 09:05
2M63687.	DAILY BLANK		OK	KL		Aqueous	1	1	624 8260	03/03 09:21
2M63688.	MBS6305		OK MBS6305	KL		Methano	1	1	8260	03/03 09:37
2M63689.	MBS6307		OK MBS6307	KL		Aqueous	1	1	624 8260	03/03 09:53
2M63690.	BLK					Aqueous	1	1	624 8260	03/03 10:09
2M63691.	AC57531-013		OK	KL	VO-8260	Aqueous	1	1	8260	03/03 10:24
2M63692.	AC57531-012		OK	KL	VO-8260	Aqueous	1	1	8260	03/03 10:40
2M63693.	AC57531-008		OK	KL	VO-8260	Aqueous	1	1	8260	03/03 10:56
2M63694.	AC57410-007		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:12
2M63695.	AC57410-008		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:28
2M63696.	AC57416-020		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:44
2M63697.	AC57416-005		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 11:59
2M63698.	AC57416-006		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 12:15
2M63699.	AC57490-006		OK	DB	VO-8260	Aqueous	1	1	8260	03/03 12:31
2M63700.	AC57466-002		OK	KL	VOTAGM-826	Aqueous	1	1	8260	03/03 12:47
2M63701.	AC57466-001(10X)		OK,Report 1X	KL	VOTAGM-826	Aqueous	1	10	8260	03/03 13:05
2M63702.	AC57439-001(10X)		OK	DB	VO-PAGAS8	Aqueous	1	10	8260	03/03 13:25
2M63703.	AC57516-009(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	03/03 13:46
2M63704.	AC57516-012(80uL)	S8Oc	RR-8uL	DB	VO10-8260	Methano	1	10	8260	03/03 14:05
2M63705.	AC57516-016(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	03/03 14:27
2M63706.	AC57471-001(T:MS)	OcM16	OK	KL	VOTCLP-826	Aqueous	1	1	624 8260	03/03 14:44
2M63707.	AC57471-001(T:MSD)	OcM16	OK	KL	VOTCLP-826	Aqueous	1	1	624 8260	03/03 15:00
2M63708.	AC57099-020(T)	Eto	OK	DB	VOSPLP-826	Aqueous	1	1	8260	03/03 15:16
2M63709.	AC57097-020(T)	Eto	OK	DB	VOSPLP-826	Aqueous	1	1	8260	03/03 15:31
2M63710.	EF-3-V1014(030111)		OK	DB		Aqueous	1	3011	8260	03/03 15:47
2M63711.	AC57099-019(T)	Ho	OK	DB	ERROR	Aqueous	1	1	624 8260	03/03 16:03
2M63712.	AC57097-019(T)	Ho	OK	DB	ERROR	Aqueous	1	1	624 8260	03/03 16:19
2M63713.	EF-3-V-1014(030211)		OK	DB		Aqueous	1	3021	8260	03/03 16:35
2M63714.	AC57516-013(80uL)		OK	DB	VO10-8260	Methano	1	10	8260	03/03 16:51
2M63715.	AC57516-014	S8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/03 17:06
2M63716.	AC57516-015	S8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/03 17:22
2M63717.	AC57516-007	Ti8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/04 06:22
2M63718.	AC57516-008	Ti8Oc	RR-40uL	DB	VO10-8260	Methano	1	1	8260	03/04 06:38
2M63719.	AC57516-010	Ti8	RR-800uL - DIRTY	DB	VO10-8260	Methano	1	1	8260	03/04 06:54
2M63720.	AC57516-011	Ti8	RR-800uL	DB	VO10-8260	Methano	1	1	8260	03/04 07:10
2M63721.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	03/04 07:28
2M63722.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	03/04 07:44
2M63723.	BLK	Ti8	-	DB		Aqueous	1	1	624 8260	03/04 07:59

143.10.11

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Train/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Train Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or enddn
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and nr col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and nr 2	R18.R28	Rnd Out on MsMsd (col1 and nr col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and nr 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibratinn chak rfs	S6	600 series surrnnate out
Cme	Endinn Cal missinn for sample (8000 series)	Iw	Initial cal warninn. Ini cal file <> method..	S8	8000 series surrnnate out
Cn	Calibratinn Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Undated Prnnerly for a samnl	Sa6.Sb6	Acid and nr BN Surrnnate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals nr Init Cals	M16.M26	Spike Out Col 1 and nr Col 2 600 series	Sa8.Sb8	Acid and nr BN Surrnnate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and nr BN	Sd	Surrnnate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and nr Col 2 8000 series	Snc	Surrnnate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and nr BN	Ti5	Outside of 500 series Tune time
Emn	Problem Checking Pmn/nundates modcheckprepnunds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82356

Prepared By: Revolus, Jean
Description: VOA STOCK INT/SURR MIX
Prep Date: 3/9/2010
Expiration Date: 3/9/2011
Department: Organics
BatchNumber:
Concentration: 1500 ppm
Final Volume: 100 ml
ApprovedBy: jean
ApproveDate: 03/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm
3661	Fluorobenzene	150 mg	NEAT	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
4372	Methanol	100 ml	neat	
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm

Veritech Lot Number: V-88943

Prepared By: Revolus, Jean
Description: Voa extra add mix
Prep Date: 6/21/2010
Expiration Date: 6/21/2011
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5013	d-Camphor	200 mg	NEAT	20000 ppm
5014	Camphene	20 mg	NEAT	2000 ppm
4995	METHANOL	10 ml	neat neat	

Veritech Lot Number: V-93698

Prepared By: Revolus, Jean
Description: Voa Extra Add mix 2
Prep Date: 8/19/2010
Expiration Date: 8/19/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 09/24/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5101	Methyl methacrylate	25 mg	Neat	5000 ppm
5100	Ethyl Methacrylate	25 mg	Neat	5000 ppm
5099	Butyl methacrylate	25 mg	Neat	5000 ppm
5098	n-Butyl acrylate	25 mg	Neat	5000 ppm
5097	n-Amyl acetate	25 mg	Neat	5000 ppm
5096	Iso-propyl acetate	25 mg	Neat	5000 ppm
5095	Ethyl acetate	25 mg	Neat	5000 ppm
5185	METHANOL	5 ml	neat neat	

Veritech Lot Number: V-93699

Prepared By: Revolus, Jean
Description: Voa Extra Add mix 2(2nd source)
Prep Date: 8/19/2010
Expiration Date: 8/19/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 09/24/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5101	Methyl methacrylate	25 mg	Neat	5000 ppm
5100	Ethyl Methacrylate	25 mg	Neat	5000 ppm
5099	Butyl methacrylate	25 mg	Neat	5000 ppm
5098	n-Butyl acrylate	25 mg	Neat	5000 ppm
5097	n-Amyl acetate	25 mg	Neat	5000 ppm
5096	Iso-propyl acetate	25 mg	Neat	5000 ppm
5095	Ethyl acetate	25 mg	Neat	5000 ppm
5185	METHANOL	5 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-95161

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA WORKING INT/SURR MIX | BatchNumber: | ApproveDate: 09/09/10
Prep Date: 9/7/2010 | Concentration: 150 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 200 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	225 ml	NEAT	
V-82356	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-105159

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA ADD MIX | BatchNumber: | ApproveDate: 01/05/11
Prep Date: 1/4/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/4/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
5532	p-Diethylbenzene	50 mg	Neat neat	5000 ppm
5533	p-Ethyltoluene	50 mg	Neat neat	5000 ppm
5531	Cyclohexanone	250 mg	Neat neat	25000 ppm
1230	METHANOL		NEAT	

Veritech Lot Number: V-105161

Prepared By: Batelli, Daniel | Department: Organics | ApprovedBy: DAN
Description: VOA ADD MIX(2nd Source) | BatchNumber: | ApproveDate: 01/05/11
Prep Date: 1/4/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/4/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
5532	p-Diethylbenzene	50 mg	Neat neat	5000 ppm
5533	p-Ethyltoluene	50 mg	Neat neat	5000 ppm
5531	Cyclohexanone	250 mg	Neat neat	25000 ppm
1230	METHANOL		NEAT	

Veritech Lot Number: V-106304

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: BFB Tune Mix | BatchNumber: | ApproveDate: 01/18/11
Prep Date: 1/18/2011 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 1.5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-95161	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Lot Number: V-106417

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: Ethyl ether/Furan Mix | BatchNumber: | ApproveDate: 02/03/11
Prep Date: 1/19/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/10/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106418

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: Ethyl ether/Furan Mix(2nd Source) | BatchNumber: | ApproveDate: 02/03/11
Prep Date: 1/19/2011 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/10/2012 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Lot Number: V-107387

Prepared By: Goring, Shawn | Department: Organics | ApprovedBy: DAN
Description: 200ppm VOA Working Std | BatchNumber: | ApproveDate: 02/18/11
Prep Date: 2/1/2011 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 3/4/2011 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-107388

Prepared By: Goring, Shawn | Department: Organics | ApprovedBy: DAN
Description: MBS | BatchNumber: | ApproveDate: 02/02/11
Prep Date: 2/1/2011 | Concentration: 100 ppm | Checked: Yes
Expiration Date: 5/9/2011 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-107428

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 250 PPB | BatchNumber: B-9600 | ApproveDate: 02/07/11
Prep Date: 2/2/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/9/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106418

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix(2nd Source)
Prep Date: 1/19/2011
Expiration Date: 1/10/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Lot Number: V-107387

Prepared By: Goring, Shawn
Description: 200ppm VOA Working Std
Prep Date: 2/1/2011
Expiration Date: 3/4/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-107667

Prepared By: Batelli, Daniel
Description: 200ppm VOA Working Std
Prep Date: 2/4/2011
Expiration Date: 3/4/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5281	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106418

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix(2nd Source)
Prep Date: 1/19/2011
Expiration Date: 1/10/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5555	Ethyl ether	50 mg	NEAT	5000 ppm
5559	Furan	50 mg	NEAT	5000 ppm
5544	Methanol	10 ml	neat neat	

Veritech Lot Number: V-109129

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 2/24/2011
Expiration Date: 3/4/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: dan
ApproveDate: 02/24/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5412	Gases	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-109130

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 2/24/2011
Expiration Date: 5/9/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: dan
ApproveDate: 02/24/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5285	Gases/502.2 Cal mix#1	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-109304

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107429

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-107430

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-107431

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-107432

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-107433

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107434

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-107435

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Lot Number: V-107436

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber: B-9600
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-107437

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 2/2/2011
Expiration Date: 2/9/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/07/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107388	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107817

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description:	MBS	BatchNumber:	ApproveDate: 02/14/11
Prep Date:	2/9/2011	Concentration: 100 ppm	Checked: Yes
Expiration Date:	5/10/2011	Final Volume: 1 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-108116

Prepared By:	Goring, Shawn	Department: Organics	ApprovedBy: DAN
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 02/14/11
Prep Date:	2/11/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	2/18/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108428

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 02/15/11
Prep Date:	2/15/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	2/22/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107817

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 2/9/2011
Expiration Date: 5/10/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-107819

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-107820

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-107821

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107817

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description:	MBS	BatchNumber:	ApproveDate: 02/14/11
Prep Date:	2/9/2011	Concentration: 100 ppm	Checked: Yes
Expiration Date:	5/10/2011	Final Volume: 1 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5512	VOA CAL MIX 6 (GASES)	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-108428

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: DAN
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 02/15/11
Prep Date:	2/15/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	2/22/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108738

Prepared By:	Goring, Shawn	Department: Organics	ApprovedBy: dan
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 02/22/11
Prep Date:	2/18/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	2/25/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107822

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-107823

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-107824

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Lot Number: V-107825

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-107826

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 2/9/2011
Expiration Date: 2/16/2011
Department: Organics
BatchNumber: B-9635
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: DAN
ApproveDate: 02/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107827

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 624/8260 CAL @ 500 PPB | BatchNumber: B-9635 | ApproveDate: 02/14/11
Prep Date: 2/9/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/16/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107667	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-107828

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: ICV CAL @ 20 PPB | BatchNumber: | ApproveDate: 02/14/11
Prep Date: 2/9/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 2/16/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107817	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-108854

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: CAL @ 20 PPB | BatchNumber: | ApproveDate: 02/25/11
Prep Date: 2/22/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/1/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107387	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-109129

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 200ppm VOA Working Std | BatchNumber: | ApproveDate: 02/24/11
Prep Date: 2/24/2011 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 3/4/2011 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5412	Gases	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5413	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109130

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 2/24/2011
Expiration Date: 5/9/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: dan
ApproveDate: 02/24/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5285	Gases/502.2 Cal mix#1	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-109304

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-109305

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-109306

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109183

Prepared By:	Goring, Shawn	Department: Organics	ApprovedBy: dan
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 03/01/11
Prep Date:	2/25/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	3/4/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109305

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-109306

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-109307

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-109308

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	5 ul	VARIOUS pp	10 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	5 ul	200 ppm	10 ppb

Veritech Lot Number: V-109309

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 2/24/2011
Expiration Date: 3/3/2011
Department: Organics
BatchNumber: B-9749
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: dan
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	2.5 ul	VARIOUS pp	5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	2.5 ul	200 ppm	5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109310

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 1 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	.5 ul	VARIOUS pp	1 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.5 ul	200 ppm	1 ppb

Veritech Lot Number: V-109311

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 0.5 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	.25 ul	VARIOUS pp	0.5 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	.25 ul	200 ppm	0.5 ppb

Veritech Lot Number: V-109312

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: 624/8260 CAL @ 500 PPB | BatchNumber: B-9749 | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-109313

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: dan
Description: ICV CAL @ 20 PPB | BatchNumber: | ApproveDate: 03/01/11
Prep Date: 2/24/2011 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 3/3/2011 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109130	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109312

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: dan
Description:	624/8260 CAL @ 500 PPB	BatchNumber: B-9749	ApproveDate: 03/01/11
Prep Date:	2/24/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	3/3/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
5381	P&T Water	100 ml	Neat neat	
5278	CHLORODIFLUOMETHANE	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-109313

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: dan
Description:	ICV CAL @ 20 PPB	BatchNumber:	ApproveDate: 03/01/11
Prep Date:	2/24/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	3/3/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109130	MBS	20 ul	100 ppm	20 ppb
5381	P&T Water	100 ml	Neat neat	neat
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-109368

Prepared By:	Previlon, Wilner	Department: Organics	ApprovedBy: dan
Description:	CAL @ 20 PPB	BatchNumber:	ApproveDate: 03/01/11
Prep Date:	2/28/2011	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	3/4/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109129	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109539

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 3/2/2011
Expiration Date: 5/10/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	280 ul	NEAT	neat
5412	Gases	100 ul	2000 ppm	200 ppm
5516	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
5620	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
5450	CUSTOM VOC STANDARD(2nd Source)	100 ul	2000 ppm	various ppm
5288	TAMES	100 ul	2000 ppm	200 ppm
V-105159	VOA ADD MIX	40 ul	5000 ppm	various ppm
V-88943	Voa extra add mix	100 ul	2000-20000 p	200-2000 pp
V-93698	Voa Extra Add mix 2	40 ul	5000 ppm	200 ppm
V-106417	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm

Veritech Lot Number: V-109540

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 3/2/2011
Expiration Date: 5/10/2011
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	640 ul	NEAT	neat neat
5285	Gases/502.2 Cal mix#1	50 ul	2000 ppm	100 ppm
5092	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
5409	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
5449	CUSTOM VOC STD MIX	50 ul	2000 ppm	various ppm
5123	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-105161	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	various ppm
v-88943	Voa extra add mix	50 ul	2000-20000 p	100-1000 pp
v-93699	Voa Extra Add mix 2(2nd source)	20 ul	5000 ppm	100 ppm
V-106418	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm

Veritech Lot Number: V-109728

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 3/3/2011
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109539	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
5381	P&T Water	100 ml	Neat neat	
5650	FREON#22(CHLORODIFLUOROMETHANE	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777

Description
1-bromo-4-fluorobenzene

ApprovedBy: jean
ApproveDate: 09/03/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295

Description
CHLOROBENZENE-D5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297

Description
TOLUENE-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2889

Description
1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 3178

Description
1,2-Dichloroethane-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3661

Description
Fluorobenzene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 3693

Description
Dibromofluoromethane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT	

Veritech Control/Receipt Number: 4372

Description
Methanol

ApprovedBy: jean
ApproveDate: 09/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G49E42	09/01/09	08/31/11	Okomeng, Maxwel	36	1Lt	neat	

Veritech Control/Receipt Number: 4995

Description
METHANOL

ApprovedBy: richq
ApproveDate: 06/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A412SK-4	103255	06/11/10	06/11/12	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 5013

Description
d-Camphor

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2404	402-140B	06/21/10	06/30/14	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5014

Description
Camphene

ApprovedBy: jean
ApproveDate: 06/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-747	419-138A	06/21/10	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5092

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 07/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	5-02111	LB72437	07/23/10	12/31/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5095

Description
Ethyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-412	433-138B	07/26/10	03/31/15	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 5096

Description
Iso-propyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2536	428-14A	07/26/10	07/31/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5097

Description
n-Amyl acetate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	o-2003	414-70B	07/26/10	11/30/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5098

Description
n-Butyl acrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-1004	409-80A	07/26/10	09/30/14	Revolus, Jean	1	10g	Neat	

Veritech Control/Receipt Number: 5099

Description
Butyl methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-1005	419-155B	07/26/10	03/31/13	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 5100

Description
Ethyl Methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F984	433-132A	07/26/10	02/28/14	Revolus, Jean	1	5g	Neat	

Veritech Control/Receipt Number: 5101

Description
Methyl methacrylate

ApprovedBy: jean
ApproveDate: 07/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F982	422-28B	07/26/10	04/30/15	Revolus, Jean	1	5g	Neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5123

Description
tert-Amyl Methyl Ether Standard

ApprovedBy: jean
ApproveDate: 08/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A075900	08/02/10	07/31/15	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5185

Description
METHANOL

ApprovedBy: jean
ApproveDate: 08/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9077-02	H45E36	08/13/10	08/13/12	Okomeng, Maxwel	60	2.5LT	neat	neat

Veritech Control/Receipt Number: 5278

Description
CHLORODIFLUOMETHANE

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	210041336	09/22/10	04/21/20	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 5281

Description
GASES(PURGEABLE HALOCARBONS)

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	209091042	09/22/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5288

Description
TAMES

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-06737	LB64951	09/29/10	02/28/12	Hamid, Akmal	2	1	2000	ppm

Veritech Control/Receipt Number: 5381

Description
P&T Water

ApprovedBy: DAN
ApproveDate: 10/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Veritech	N/A	N/A	10/01/10	10/01/15	Batelli, Daniel	1	N/A	Neat	Neat

Veritech Control/Receipt Number: 5409

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB73020	11/09/10	11/30/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5123

Description
tert-Amyl Methyl Ether Standard

ApprovedBy: jean
ApproveDate: 08/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A075900	08/02/10	07/31/15	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5185

Description
METHANOL

ApprovedBy: jean
ApproveDate: 08/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9077-02	H45E36	08/13/10	08/13/12	Okomeng, Maxwel	60	2.5LT	neat	neat

Veritech Control/Receipt Number: 5278

Description
CHLORODIFLUOMETHANE

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	210041336	09/22/10	04/21/20	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 5281

Description
GASES(PURGEABLE HALOCARBONS)

ApprovedBy: jean
ApproveDate: 09/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X-PAK	209091042	09/22/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5285

Description
Gases/502.2 Cal mix#1

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	30042	A075674	09/27/10	03/31/17	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 5288

Description
TAMES

ApprovedBy: jean
ApproveDate: 10/04/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	5-06737	LB64951	09/29/10	02/28/12	Hamid, Akmal	2	1	2000	ppm

Veritech Control/Receipt Number: 5381

Description
P&T Water

ApprovedBy: DAN
ApproveDate: 10/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Veritech	N/A	N/A	10/01/10	10/01/15	Batelli, Daniel	1	N/A	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5409

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB73020	11/09/10	11/30/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5412

Description
Gases

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	V-601B-10X-PAK	210091188	11/09/10	10/06/13	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5413

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5449

Description
CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description
CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5512

Description
VOA CAL MIX 6 (GASES)

ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB79744	12/14/10	01/31/12	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5516

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 12/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	LVOC-1JM	457-9A	12/16/10	12/31/11	Revolus, Jean	4	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5412

Description
Gases

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	V-601B-10X-PAK	210091188	11/09/10	10/06/13	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5413

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5449

Description
CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description
CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5512

Description
VOA CAL MIX 6 (GASES)

ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB79744	12/14/10	01/31/12	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5516

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 12/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	LVOC-1JM	457-9A	12/16/10	12/31/11	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5531

Description
Cyclohexanone

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	F2326	428-78B	12/28/10	07/31/14	Batelli, Daniel	1	5g	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5413

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 11/09/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418	11/09/10	03/04/11	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 5449

Description
CUSTOM VOC STD MIX

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111110	11/16/10	05/10/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5450

Description
CUSTOM VOC STANDARD(2nd Source)

ApprovedBy: jean
ApproveDate: 11/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	210111131	11/16/10	08/23/11	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5512

Description
VOA CAL MIX 6 (GASES)

ApprovedBy: jean
ApproveDate: 12/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB79744	12/14/10	01/31/12	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5516

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 12/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	LVOC-1JM	457-9A	12/16/10	12/31/11	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 5531

Description
Cyclohexanone

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	F2326	428-78B	12/28/10	07/31/14	Batelli, Daniel	1	5g	Neat	Neat

Veritech Control/Receipt Number: 5532

Description
p-Diethylbenzene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2296	451-130B	12/28/10	11/30/14	Batelli, Daniel	1	100m	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5531

Description
Cyclohexanone

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	F2326	428-78B	12/28/10	07/31/14	Batelli, Daniel	1	5g	Neat	Neat

Veritech Control/Receipt Number: 5532

Description
p-Diethylbenzene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2296	451-130B	12/28/10	11/30/14	Batelli, Daniel	1	100m	Neat	Neat

Veritech Control/Receipt Number: 5533

Description
p-Ethyltoluene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2413	453-143B	12/28/10	12/31/15	Batelli, Daniel	1	1g	Neat	Neat

Veritech Control/Receipt Number: 5544

Description
Methanol

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9077-02	H45E36	01/11/11	01/10/12	Lopez, Jose	18	1L	neat	neat

Veritech Control/Receipt Number: 5555

Description
Ethyl ether

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-569	444-37B	01/18/11	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5559

Description
Furan

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2298	451-74A	01/18/11	09/30/13	Revolus, Jean	1	10g	NEAT	

Veritech Control/Receipt Number: 5650

Description
FREON#22(CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209121020	02/18/11	12/02/19	Revolus, Jean	20	1ml	200	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5532

Description
p-Diethylbenzene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2296	451-130B	12/28/10	11/30/14	Batelli, Daniel	1	100m	Neat	Neat

Veritech Control/Receipt Number: 5533

Description
p-Ethyltoluene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2413	453-143B	12/28/10	12/31/15	Batelli, Daniel	1	1g	Neat	Neat

Veritech Control/Receipt Number: 5544

Description
Methanol

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9077-02	H45E36	01/11/11	01/10/12	Lopez, Jose	18	1L	neat	neat

Veritech Control/Receipt Number: 5555

Description
Ethyl ether

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-569	444-37B	01/18/11	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5559

Description
Furan

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2298	451-74A	01/18/11	09/30/13	Revolus, Jean	1	10g	NEAT	

Veritech Control/Receipt Number: 5650

Description
FREON#22(CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209121020	02/18/11	12/02/19	Revolus, Jean	20	1ml	200	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5533

Description
p-Ethyltoluene

ApprovedBy: DAN
ApproveDate: 01/07/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ChemService	O-2413	453-143B	12/28/10	12/31/15	Batelli, Daniel	1	1g	Neat	Neat

Veritech Control/Receipt Number: 5544

Description
Methanol

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9077-02	H45E36	01/11/11	01/10/12	Lopez, Jose	18	1L	neat	neat

Veritech Control/Receipt Number: 5555

Description
Ethyl ether

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-569	444-37B	01/18/11	03/31/15	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5559

Description
Furan

ApprovedBy: jean
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2298	451-74A	01/18/11	09/30/13	Revolus, Jean	1	10g	NEAT	

Veritech Control/Receipt Number: 5620

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 02/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	210101418-01	02/15/11	05/10/11	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5650

Description
FREON#22(CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209121020	02/18/11	12/02/19	Revolus, Jean	20	1ml	200	PPM

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: Port Jervis

Client PO: B0043021.0001.00

Report To: ARCADIS
4915 Prospectus Drive
Suite F
Durham, NC 27713

Attn: D.Liles

Received Date: 2/3/2011

Report Date: 4/1/2011

Deliverables: NYDOH-CatB

Lab ID: AC57100

Lab Project No: 1020306

This report is a true report of results obtained from our tests of this material All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Jeri Rossi - Quality Assurance Director OR Stanley Gilewicz - Laboratory Director

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

TABLE OF CONTENTS

HC·V LABORATORY RESULTS	PAGE NOS.
SDG Narrative	1-2
Reporting Limit Definitions	3-4
Data Package Summary Forms	5-43
Chain of Custody Forms	44-48
SPLP GC/MS Semivolatiles Data	49-530
Metal Data	531-585
SPLP Metal Data	586-832
Wet Chemistry Data	833-848

SDG Narrative

HCV Case Narrative/Conformance Summary

Client: Arcadis
Project: Port Jervis

HCV Project: 1020306

Hampton-Clarke/Veritech (HC·V) received the following samples on February 3,2011:

Client ID	HCV Sample ID	Matrix	Analysis
ISSS6 large monolith (1st)	AC57100-001	Monolith	SPLP SVOC (8270C) , SPLP Metals (6010B/7470A)
PW	AC57100-002	Aqueous	Hardness (200.7), pH (SM4500 H+ B-00)
ISSS6 large monolith (2nd)	AC57100-003	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (3rd)	AC57100-004	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (4th)	AC57100-005	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (5th)	AC57100-006	Monolith	SPLP SVOC (8270C) , SPLP Metals (6010B/7470A)
ISSS6 large monolith (6th)	AC57100-007	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (7th)	AC57100-008	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (8th)	AC57100-009	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (9th)	AC57100-010	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (10th)	AC57100-011	Monolith	SPLP SVOC (8270C) , SPLP Metals (6010B/7470A)
ISSS6 large monolith (11h)	AC57100-012	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (12th)	AC57100-013	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (13th)	AC57100-014	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (14th)	AC57100-015	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (15th)	AC57100-016	Monolith	SPLP SVOC (8270C) , SPLP Metals (6010B/7470A)
ISSS6 large monolith (16th)	AC57100-017	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (17th)	AC57100-018	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (18th)	AC57100-019	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (19th)	AC57100-020	Monolith	(SPLP Extract and Hold)
ISSS6 large monolith (20th)	AC57100-021	Monolith	SPLP SVOC (8270C) , SPLP Metals (6010B/7470A)

Samples AC27100-001, and –002 through –021 were prepped for SPLP analysis according to Arcadis Standard Operating Procedure 'Monolith Leaching Method'.

SPLP Base Neutral/Acid Extractable Analysis:

The MS/MSD RPD of Pyridine is outside QC limits in batches WMB4536 and WMB4585.

Metals Analysis:

Data conforms to method requirements.

SPLP Metals Analysis:

Data conforms to method requirements.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

4/5/11
Date

Reporting Limit Definitions

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL = Reporting Limit *

RT = Retention Time

NA = Not Applicable

ND = Not Detected

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the concentration is below the Reporting Limit (RL) but above the MDL (Method Detection Limit). The concentration reported is an estimate.

*For Clean Water Act and SW846 Organic Methods and Metals Methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

*For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

HCV Report Of Analysis

Client: ARCADIS
Project: Port Jervis

HCV Project #: 1020306

Sample ID: ISSS6 large monolith (1st)
Lab#: AC57100-001
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**23JB**
Cadmium	**1**	**ug/l**	**0.43**	50	**1.2JB**
Chromium	**1**	**ug/l**	**0.71**	200	**4.5JB**
Lead	**1**	**ug/l**	**2.1**	65	**4.4J**
Selenium	1	ug/l	6.4	200	ND
Silver	**1**	**ug/l**	**0.74**	50	**1.5J**

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**		**n/a**	**completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**24**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**9.7**
Acenaphthylene	1	ug/l	0.14	2.0	ND
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	1	ug/l	0.34	2.0	ND
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	1	ug/l	0.13	2.0	ND
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND

Sample ID: ISSS6 large monolith (1st) **Collection Date:** 2/2/2011
Lab#: AC57100-001 **Receipt Date:** 2/3/2011
Matrix: Monolith

Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	1	ug/l	0.16	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND
Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	1	ug/l	0.14	2.0	ND
Fluorene	**1**	**ug/l**	**0.20**	2.0	**3.7**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**92**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**7.9**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	1	ug/l	0.13	2.0	ND

Sample ID: PW
Lab#: AC57100-002
Matrix: Aqueous

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

Hardness 200.7/8

Analyte	DF	Units	RL	Result
Hardness	0.5	ug caco3/l	6600	15000

pH (SM4500-H+ B-00)

Analyte	DF	Units	RL	Result
pH	1	ph		7.2

Total Dissolved Solids (SM2540C-97)

Analyte	DF	Units	RL	Result
Total Dissolved Solids @ 180 C	1	mg/l	10	47

Sample ID:	**ISSS6 large monolith (2nd)**	**Collection Date:**	**2/2/2011**
Lab#:	**AC57100-003**	**Receipt Date:**	**2/3/2011**
Matrix:	**Monolith**		

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (3rd)
Lab#: AC57100-004
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (4th)
Lab#: AC57100-005
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (5th) | **Collection Date:** 2/2/2011
Lab#: AC57100-006 | **Receipt Date:** 2/3/2011
Matrix: Monolith

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**9.8JB**
Cadmium	**1**	**ug/l**	**0.43**	50	**0.82JB**
Chromium	**1**	**ug/l**	**0.71**	200	**1.6JB**
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	1	ug/l	0.74	50	ND

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**		**n/a**	**completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**13**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**5.8**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.34J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.66J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.21J**
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	1	ug/l	0.16	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND

Sample ID: ISSS6 large monolith (5th) **Collection Date:** 2/2/2011
Lab#: AC57100-006 **Receipt Date:** 2/3/2011
Matrix: Monolith

Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.55J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.6**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**40**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**4.6**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**0.60J**

Sample ID: ISSS6 large monolith (6th)
Lab#: AC57100-007
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (7th)
Lab#: AC57100-008
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (8th)
Lab#: AC57100-009
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (9th)
Lab#: AC57100-010
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (10th) **Collection Date:** 2/2/2011
Lab#: AC57100-011 **Receipt Date:** 2/3/2011
Matrix: Monolith

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**5.2J**
Cadmium	1	ug/l	0.43	50	ND
Chromium	**1**	**ug/l**	**0.71**	200	**3.0JB**
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	1	ug/l	0.74	50	ND

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**		**n/a**	**completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**14**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**5.5**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.60J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.83J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.26J**
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	1	ug/l	0.16	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND

Sample ID: ISSS6 large monolith (10th)
Lab#: AC57100-011
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.60J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.2**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**37**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**4.5**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**0.84J**

Sample ID: ISSS6 large monolith (11th)
Lab#: AC57100-012
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (12th)
Lab#: AC57100-013
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID:	**ISSS6 large monolith (13th)**	**Collection Date:**	**2/2/2011**
Lab#:	**AC57100-014**	**Receipt Date:**	**2/3/2011**
Matrix:	**Monolith**		

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (14th)
Lab#: AC57100-015
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (15th)
Lab#: AC57100-016
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**6.4JB**
Cadmium	**1**	**ug/l**	**0.43**	50	**0.94JB**
Chromium	**1**	**ug/l**	**0.71**	200	**1.8JB**
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	**1**	**ug/l**	**0.74**	50	**1.1JB**

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	**1**			**Completed**

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**13**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**5.2**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.62J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.68J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.33J**
Benzo[a]pyrene	1	ug/l	0.17	2.0	ND
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	10	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	1	ug/l	0.16	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND

Sample ID: ISSS6 large monolith (15th) **Collection Date: 2/2/2011**
Lab#: AC57100-016 **Receipt Date: 2/3/2011**
Matrix: Monolith

Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.63J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.0J**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**31**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	10	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**4.3**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**0.89J**

Sample ID: ISSS6 large monolith (16th)
Lab#: AC57100-017
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (17th)
Lab#: AC57100-018
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (18th)
Lab#: AC57100-019
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (19th)
Lab#: AC57100-020
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

SPLP Metals Extraction

Analyte	DF	Units	RL	Result
SPLP Metals Extraction	1			Completed

Sample ID: ISSS6 large monolith (20th)
Lab#: AC57100-021
Matrix: Monolith

Collection Date: 2/2/2011
Receipt Date: 2/3/2011

Mercury (SPLP) 7471A

Analyte	DF	Units	MDL	RL	Result
Mercury	1	ug/l	0.082	0.70	ND

SPLP Metals 6010

Analyte	DF	Units	MDL	RL	Result
Arsenic	1	ug/l	5.8	200	ND
Barium	**1**	**ug/l**	**0.33**	250	**5.2J**
Cadmium	1	ug/l	0.43	50	ND
Chromium	1	ug/l	0.71	200	ND
Lead	1	ug/l	2.1	65	ND
Selenium	1	ug/l	6.4	200	ND
Silver	1	ug/l	0.74	50	ND

SPLP Semivolatiles 8270

Analyte	DF	Units	MDL	RL	Result
1,2-Diphenylhydrazine	1	ug/l	0.12	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	1.8	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	0.90	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.61	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.70	10	ND
2,4-Dinitrophenol	1	ug/l	1.1	10	ND
2,4-Dinitrotoluene	1	ug/l	0.21	2.0	ND
2,6-Dinitrotoluene	1	ug/l	0.32	2.0	ND
2-Chloronaphthalene	1	ug/l	0.19	2.0	ND
2-Chlorophenol	1	ug/l	0.75	2.0	ND
2-Methylnaphthalene	**1**	**ug/l**	**0.79**	2.0	**12**
2-Methylphenol	1	ug/l	2.0	10	ND
2-Nitroaniline	1	ug/l	0.83	2.0	ND
2-Nitrophenol	1	ug/l	0.58	2.0	ND
3&4-Methylphenol	1	ug/l	1.8	10	ND
3,3'-Dichlorobenzidine	1	ug/l	0.91	2.0	ND
3-Nitroaniline	1	ug/l	1.9	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	0.59	2.0	ND
4-Bromophenyl-phenylether	1	ug/l	0.22	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	0.58	2.0	ND
4-Chloroaniline	1	ug/l	1.1	10	ND
4-Chlorophenyl-phenylether	1	ug/l	0.24	2.0	ND
4-Nitroaniline	1	ug/l	1.6	2.0	ND
4-Nitrophenol	1	ug/l	0.50	2.0	ND
Acenaphthene	**1**	**ug/l**	**0.21**	2.0	**5.1**
Acenaphthylene	**1**	**ug/l**	**0.14**	2.0	**0.73J**
Aniline	1	ug/l	0.62	2.0	ND
Anthracene	**1**	**ug/l**	**0.34**	2.0	**0.76J**
Benzidine	1	ug/l	5.9	10	ND
Benzo[a]anthracene	**1**	**ug/l**	**0.13**	2.0	**0.31J**
Benzo[a]pyrene	**1**	**ug/l**	**0.17**	2.0	**0.23J**
Benzo[b]fluoranthene	1	ug/l	0.097	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	0.17	2.0	ND
Benzo[k]fluoranthene	1	ug/l	0.24	2.0	ND
Benzoic acid	1	ug/l	2.0	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	0.13	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.27	2.0	ND
bis(2-Chloroisopropyl)ether	1	ug/l	0.25	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	0.22	2.0	ND
Butylbenzylphthalate	1	ug/l	0.15	2.0	ND
Carbazole	1	ug/l	0.15	2.0	ND
Chrysene	**1**	**ug/l**	**0.16**	2.0	**0.24J**
Dibenzo[a,h]anthracene	1	ug/l	0.18	2.0	ND
Dibenzofuran	1	ug/l	1.1	2.0	ND
Diethylphthalate	1	ug/l	0.19	2.0	ND
Dimethylphthalate	1	ug/l	0.18	2.0	ND
Di-n-butylphthalate	1	ug/l	0.19	2.0	ND
Di-n-octylphthalate	1	ug/l	0.20	2.0	ND
Fluoranthene	**1**	**ug/l**	**0.14**	2.0	**0.75J**
Fluorene	**1**	**ug/l**	**0.20**	2.0	**2.5**
Hexachlorobenzene	1	ug/l	0.27	2.0	ND
Hexachlorobutadiene	1	ug/l	0.28	2.0	ND

NOTE: Soil Results are reported to Dry Weight

Sample ID: ISSS6 large monolith (20th) **Collection Date:** 2/2/2011
Lab#: AC57100-021 **Receipt Date:** 2/3/2011
Matrix: Monolith

Hexachlorocyclopentadiene	1	ug/l	0.83	2.0	ND
Hexachloroethane	1	ug/l	0.34	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	0.13	2.0	ND
Isophorone	1	ug/l	0.15	2.0	ND
Naphthalene	**1**	**ug/l**	**0.16**	0.50	**29**
Nitrobenzene	1	ug/l	0.32	2.0	ND
N-Nitrosodimethylamine	1	ug/l	1.5	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.27	2.0	ND
N-Nitrosodiphenylamine	1	ug/l	0.29	2.0	ND
Pentachlorophenol	1	ug/l	1.1	2.0	ND
Phenanthrene	**1**	**ug/l**	**0.15**	2.0	**4.7**
Phenol	1	ug/l	0.65	2.0	ND
Pyrene	**1**	**ug/l**	**0.13**	2.0	**1.0J**

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-001(T)
Client Id: ISSS6 large monolith (1st)
Data File: 9M32369.D
Analysis Date: 02/17/11 10:28
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**24**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**3.7**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**92**
83-32-9	**Acenaphthene**	**0.21**	**9.7**	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	**85-01-8**	**Phenanthrene**	**0.15**	**7.9**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-006(T)(R)
Client Id: ISSS6 large monolith (5th)
Data File: 10M19518.D
Analysis Date: 02/22/11 12:45
Date Rec/Extracted: 02/03/11-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**13**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.55 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.6**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**40**
83-32-9	**Acenaphthene**	**0.21**	**5.8**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.34 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.66 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.21 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.6**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.60 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-011(T)
Client Id: ISSS6 large monolith (10th)
Data File: 5M64845.D
Analysis Date: 02/24/11 13:26
Date Rec/Extracted: 02/03/11-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**14**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.60 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.2**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**37**
83-32-9	**Acenaphthene**	**0.21**	**5.5**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.60 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.83 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.26 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.5**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.84 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-016(T)
Client Id: ISSS6 large monolith (15th)
Data File: 5M64942.D
Analysis Date: 03/01/11 13:15
Date Rec/Extracted: 02/03/11-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**13**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.63 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.0 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**31**
83-32-9	**Acenaphthene**	**0.21**	**5.2**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.62 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.68 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.33 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.3**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.89 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-021(T)
Client Id: ISSS6 large monolith (20th)
Data File: 10M19727.D
Analysis Date: 03/04/11 16:59
Date Rec/Extracted: 02/03/11-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	**218-01-9**	**Chrysene**	**0.16**	**2.0**	**0.24J**
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**2.0**	**12**	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	**206-44-0**	**Fluoranthene**	**0.14**	**2.0**	**0.75J**
99-09-2	3-Nitroaniline	1.9	2.0	U	**86-73-7**	**Fluorene**	**0.20**	**2.0**	**2.5**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	**91-20-3**	**Naphthalene**	**0.16**	**0.50**	**29**
83-32-9	**Acenaphthene**	**0.21**	**2.0**	**5.1**	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	**Acenaphthylene**	**0.14**	**2.0**	**0.73J**	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	**Anthracene**	**0.34**	**2.0**	**0.76J**	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**2.0**	**0.31J**	**85-01-8**	**Phenanthrene**	**0.15**	**2.0**	**4.7**
50-32-8	**Benzo[a]pyrene**	**0.17**	**2.0**	**0.23J**	108-95-2	Phenol	0.65	2.0	U
205-99-2	Benzo[b]fluoranthene	0.097	2.0	U	**129-00-0**	**Pyrene**	**0.13**	**2.0**	**1.0J**
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-39-3	Barium	0.33	23JB	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-43-9	Cadmium	0.43	1.2JB	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-47-3	Chromium	0.71	4.5JB	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7439-92-1	Lead	2.1	4.4J	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	18	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-22-4	Silver	0.74	1.5J	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Veritech
Data File Name: A12318A

Lab Code: 14622
Analysis Date: 02/15/2011

Matrix: Water
Lab Sample ID: AC57100-002
Client ID: PW

Level: low/med
Dilution: 0.5

Batch: 12318
% Solid: 0

Concentration Units: Ug CaC03/L

Cas No.	Analyte	RL	Concentration	M
	Hardness	6600	15000	P

U - Indicates compound not found above detection/reporting limit
* - Indicates compound above calibration range
P - Indicates analyzed by ICP
CV - Indicates analyzed by Cold Vapor

Comments: _____

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-006	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A
7440-39-3	Barium	0.33	9.8JB	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A
7440-43-9	Cadmium	0.43	0.82JB	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A
7440-47-3	Chromium	0.71	1.6JB	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	19	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	02/15/11	3328	SP12319A2	23	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-016	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-39-3	Barium	0.33	6.4JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-43-9	Cadmium	0.43	0.94JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-47-3	Chromium	0.71	1.8JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/03/11	3382	H12358SP	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-22-4	Silver	0.74	1.1JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-011	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-39-3	Barium	0.33	5.2J	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-47-3	Chromium	0.71	3.0JB	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/25/11	33501	H12334SPb	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-021	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-39-3	Barium	0.33	5.2J	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-47-3	Chromium	0.71	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/09/11	3400	H12376SP	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC57100-002
Matrix Aqueous
Client SampleID: PW

Project Number: 1020306
Received Date: 2/3/2011
Collect Date: 2/2/2011

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
pH	PH-WATER-MUR	1	7.2	Ph			02/08/11
Total Dissolved Solids @ 180 C	TDS-MUR	1	47	mg/l	10	02/08/11	02/08/11

Chain of Custody Forms

ARCADIS

Laboratory Task Order No./P.O. No. _____ **CHAIN-OF-CUSTODY RECORD** Page 1 of 1

0045

Project Number/Name Pt Jervis

Project Location Durham, NC

Laboratory HCV

Project Manager DAVE LILES

Sampler(s)/Affiliation "

1020306

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: monolith leaching SOP + method 8260	monolith leaching SOP + methods 8270 & 6010	pH	hardness (200.7)	total dissolved solids		Remarks	Total
~~ISSS3 small monolith~~	S	2/1/11		✓							1
~~ISSS3 large monolith~~		2/1/11			✓						1
~~ISSS6 small monolith~~		2/1/11		✓							1
~~ISSS6 large monolith~~		2/2/11			✓					AC57100-001, -003 thru -021	1
PW	L	2/2/11				✓	✓	✓		AC57100-002	1
										3.9°C	

BR 2/4/11

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 5

					Seal Intact?
Relinquished by: David S. Liles	Organization: ARCADIS	Date 2/2/11	Time 16:00		
Received by:	Organization:	Date / /	Time		Yes No N/A
Relinquished by: FEDEX	Organization:	Date 2/3/11	Time 10:10		Seal Intact?
Received by:	Organization: HCV	Date 2/3/11	Time 10:10		Yes No N/A

Special Instructions/Remarks:

Results to david.liles@arcadis-us.com

questions (919) 328-5574

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

CONDITION UPON RECEIPT

Batch Number AC57100 Entered By: Frantz
Date Entered 2/3/2011 12:07:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.9
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	NO	Are samples preserved correctly? Samples were received in Zip-lock Bags.
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	YES	Corrective actions (Specify item number and corrective action taken). Sample PW metals preserved at the lab.

PRESERVATION DOCUMENT

Batch Number AC57100 Entered By: Frantz

Date Entered 2/3/2011 12:08:00 PM

Lab#:	Container Siz	Container Typ	Parameter	Preservative	PH
AC57100-001	NA	NA	NA	NA	NA
AC57100-002	250ML	P	METALS	HNO3	7/1

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC57100-001	02/03/11 10:10	FRAN	0	M	Received
AC57100-001	02/03/11 12:07	FRAN	0	M	Login
AC57100-001	02/15/11 12:43	ABM	2	A	BNA-AQ
AC57100-002	02/03/11 10:10	FRAN	0	M	Received
AC57100-002	02/03/11 12:07	FRAN	0	M	Login
AC57100-002	02/07/11 10:43	JAR	1	A	T-PHOS/TDS
AC57100-002	02/07/11 15:07	R12	1	A	NONE
AC57100-002	02/08/11 09:53	JB	1	A	pH
AC57100-002	02/08/11 12:22	R12	1	A	NONE
AC57100-002	02/15/11 10:16	JPC	1	A	TDWI
AC57100-002	02/15/11 12:22	R12	1	A	NONE
AC57100-002	03/22/11 08:51	MAXW	1	A	SHELF
AC57100-002	02/15/11 12:22	R12	2	A	NONE
AC57100-002	03/22/11 08:51	MAXW	2	A	SHELF
AC57100-003	02/03/11 10:10	RICAR	0	M	Received
AC57100-003	02/04/11 13:22	RICAR	0	M	Login
AC57100-003	02/15/11 12:43	ABM	2	A	BNA-AQ
AC57100-004	02/03/11 10:10	RICAR	0	M	Received
AC57100-004	02/04/11 13:22	RICAR	0	M	Login
AC57100-004	02/15/11 12:43	ABM	1	A	BNA-AQ
AC57100-005	02/03/11 10:10	RICAR	0	M	Received
AC57100-005	02/04/11 13:22	RICAR	0	M	Login
AC57100-005	02/15/11 12:43	ABM	1	A	BNA-AQ
AC57100-005	02/14/11 11:30	JS	3	M	SPLP
AC57100-005	02/14/11 13:04	DEPLE	3	A	DEPLETED
AC57100-006	02/03/11 10:10	RICAR	0	M	Received
AC57100-006	02/04/11 13:22	RICAR	0	M	Login
AC57100-006	02/20/11 05:22	ABM	1	A	BNA-AQ
AC57100-006	02/20/11 06:07	R12	1	A	NONE
AC57100-006	02/17/11 12:44	ABM	2	A	BNA-AQ
AC57100-007	02/03/11 10:10	RICAR	0	M	Received
AC57100-007	02/04/11 13:22	RICAR	0	M	Login
AC57100-007	02/17/11 12:44	ABM	1	A	BNA-AQ
AC57100-007	02/20/11 05:22	ABM	2	A	BNA-AQ
AC57100-007	02/20/11 06:07	R12	2	A	NONE
AC57100-008	02/03/11 10:10	RICAR	0	M	Received
AC57100-008	02/04/11 13:22	RICAR	0	M	Login
AC57100-008	02/17/11 12:44	ABM	1	A	BNA-AQ
AC57100-008	02/20/11 05:22	ABM	2	A	BNA-AQ
AC57100-008	02/20/11 06:07	R12	2	A	NONE
AC57100-009	02/03/11 10:10	RICAR	0	M	Received
AC57100-009	02/04/11 13:22	RICAR	0	M	Login
AC57100-009	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57100-009	02/18/11 13:27	JS	3	A	splp
AC57100-009	02/18/11 13:27	DEPLE	3	A	depleted
AC57100-010	02/03/11 10:10	RICAR	0	M	Received
AC57100-010	02/04/11 13:22	RICAR	0	M	Login
AC57100-010	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57100-011	02/03/11 10:10	RICAR	0	M	Received
AC57100-011	02/04/11 13:22	RICAR	0	M	Login
AC57100-011	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57100-012	02/03/11 10:10	RICAR	0	M	Received
AC57100-012	02/04/11 13:22	RICAR	0	M	Login
AC57100-012	02/23/11 12:16	ABM	1	A	`BNA-AQ
AC57100-013	02/03/11 10:10	RICAR	0	M	Received
AC57100-013	02/04/11 13:22	RICAR	0	M	Login
AC57100-013	02/28/11 12:15	ABM	1	A	bna-aq
AC57100-014	02/03/11 10:10	RICAR	0	M	Received
AC57100-014	02/04/11 13:22	RICAR	0	M	Login
AC57100-014	02/28/11 12:15	ABM	1	A	bna-aq
AC57100-015	02/03/11 10:10	RICAR	0	M	Received
AC57100-015	02/04/11 13:22	RICAR	0	M	Login
AC57100-015	03/02/11 18:22	MLC	1	A	A, BNA
AC57100-015	02/28/11 12:15	ABM	2	A	bna-aq
AC57100-016	02/03/11 10:10	RICAR	0	M	Received
AC57100-016	02/04/11 13:22	RICAR	0	M	Login
AC57100-016	02/28/11 12:15	ABM	2	A	bna-aq
AC57100-017	02/03/11 10:10	RICAR	0	M	Received
AC57100-017	02/04/11 13:22	RICAR	0	M	Login
AC57100-017	03/03/11 12:36	ABM	1	A	BNA-AQ
AC57100-018	02/03/11 10:10	RICAR	0	M	Received
AC57100-018	02/04/11 13:22	RICAR	0	M	Login
AC57100-018	03/03/11 12:36	ABM	2	A	BNA-AQ
AC57100-019	02/03/11 10:10	RICAR	0	M	Received
AC57100-019	02/04/11 13:22	RICAR	0	M	Login
AC57100-019	03/03/11 12:36	ABM	1	A	BNA-AQ
AC57100-020	02/03/11 10:10	RICAR	0	M	Received
AC57100-020	02/04/11 13:22	RICAR	0	M	Login
AC57100-020	03/03/11 12:36	ABM	1	A	BNA-AQ
AC57100-021	02/03/11 10:10	RICAR	0	M	Received
AC57100-021	02/04/11 13:22	RICAR	0	M	Login
AC57100-021	03/03/11 12:36	ABM	1	A	BNA-AQ

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

SPLP
GC/MS Semi-Volatile Data

SPLP
GC/MS Semi-Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M64713.D	WMB4536	Aqueous	02/16/11 10:16	1		62	43	102	97	100	106
9M32373.D	EF-3 V-1014(	Aqueous	02/17/11 12:01	1		60	39	102	97	98	104
9M32369.D	AC57100-001(	Aqueous	02/17/11 10:28	1		61	39	100	92	97	103
5M64714.D	WMB4536(MS	Aqueous	02/16/11 10:40	1		57	41	103	83	98	103
5M64715.D	AC57098-001(	Aqueous	02/16/11 11:08	1		85	72	102	94	111	105
5M64716.D	AC57098-001(	Aqueous	02/16/11 11:32	1		82	67	101	65	109	107
5M64717.D	AC57098-001(	Aqueous	02/16/11 11:55	1		77	64	106	68	109	110

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M19517.D	EF-3 V-1014(	Aqueous	02/22/11 12:23	1		81	63	98	96	96	103
5M64793.D	WMB4565	Aqueous	02/22/11 08:38	1		67	46	94	96	96	100
10M19518.D	AC57100-006(	Aqueous	02/22/11 12:45	1		79	53	96	130	97	105
5M64714.D	WMB4536(MS	Aqueous	02/16/11 10:40	1		57	41	103	83	98	103
5M64715.D	AC57098-001(	Aqueous	02/16/11 11:08	1		85	72	102	94	111	105
5M64716.D	AC57098-001(	Aqueous	02/16/11 11:32	1		82	67	101	65	109	107
5M64717.D	AC57098-001(	Aqueous	02/16/11 11:55	1		77	64	106	68	109	110
5M64794.D	WMB4565(MS	Aqueous	02/22/11 09:02	1		62	41	100	85	97	100

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M64838.D	WMB4585	Aqueous	02/24/11 10:42	1		64	43	99	96	100	103
5M64852.D	EF-3 V-1014(	Aqueous	02/24/11 16:11	1		67	45	101	99	98	110
5M64845.D	AC57100-011(	Aqueous	02/24/11 13:26	1		65	44	100	93	102	108
5M64837.D	WMB4585(MS	Aqueous	02/24/11 10:18	1		65	44	108	86	106	107
5M64839.D	AC57098-010(	Aqueous	02/24/11 11:05	1		88	71	102	102	106	113
5M64840.D	AC57098-010(	Aqueous	02/24/11 11:28	1		82	68	103	79	107	110
5M64841.D	AC57098-010(	Aqueous	02/24/11 11:52	1		74	59	108	79	110	109

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M19711.D	WMB4657	Aqueous	03/04/11 11:04	1		78	52	111	113	120	118
10M19732.D	EF-3 V-1014(	Aqueous	03/04/11 18:50	1		61	42	109	107	118	123
10M19727.D	AC57100-021(	Aqueous	03/04/11 16:59	1		67	47	113	111	118	116
5M64837.D	WMB4585(MS	Aqueous	02/24/11 10:18	1		65	44	108	86	106	107
5M64839.D	AC57098-010(	Aqueous	02/24/11 11:05	1		88	71	102	102	106	113
5M64840.D	AC57098-010(	Aqueous	02/24/11 11:28	1		82	68	103	79	107	110
5M64841.D	AC57098-010(	Aqueous	02/24/11 11:52	1		74	59	108	79	110	109
5M65035.D	WMB4657(MS	Aqueous	03/04/11 12:18	1		64	47	108	80	120	109

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M64934.D	WMB4624	Aqueous	03/01/11 10:06	1		75	50	111	111	112	121
5M64948.D	EF-3 V-1014(	Aqueous	03/01/11 15:38	1		50	35	102	104	105	126
5M64942.D	AC57100-016(	Aqueous	03/01/11 13:15	1		72	49	106	109	108	123
5M64837.D	WMB4585(MS	Aqueous	02/24/11 10:18	1		65	44	108	86	106	107
5M64839.D	AC57098-010(	Aqueous	02/24/11 11:05	1		88	71	102	102	106	113
5M64840.D	AC57098-010(	Aqueous	02/24/11 11:28	1		82	68	103	79	107	110
5M64841.D	AC57098-010(	Aqueous	02/24/11 11:52	1		74	59	108	79	110	109
9M32515.D	WMB4624(MS	Aqueous	03/01/11 10:05	1		67	44	112	95	119	119

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8270C

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	23-117
S2=Phenol-d5	100	3-120
S3=Nitrobenzene-d5	50	41-143
S4=2-Fluorobiphenyl	50	35-140
S5=2,4,6-Tribromophenol	100	55-146
S6=Terphenyl-d14	50	26-154

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64714.D	WMB4536(MS)	2/16/2011 10:40:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	13.3	0	100	13	1	93
Phenol	1	37	0	100	37	32	98
2-Chlorophenol	1	84.98	0	100	85	64	108
1,4-Dichlorobenzene	1	69.21	0	100	69	52	110
2-Methylphenol	1	77.93	0	100	78	58	113
Hexachloroethane	1	65.12	0	100	65	57	116
N-Nitroso-di-n-propylamine	1	95.67	0	100	96	49	118
3&4-Methylphenol	1	70.27	0	100	70	64	98
Nitrobenzene	1	94.58	0	100	95	80	115
2,4-Dimethylphenol	1	85.15	0	100	85	54	122
1,2,4-Trichlorobenzene	1	78.01	0	100	78	52	120
Naphthalene	1	79.58	0	100	80	61	116
Hexachlorobutadiene	1	77.21	0	100	77	61	118
4-Chloro-3-methylphenol	1	89.22	0	100	89	71	119
2,4,6-Trichlorophenol	1	99.81	0	100	100	89	124
2,4,5-Trichlorophenol	1	99.37	0	100	99	89	129
Acenaphthene	1	91.07	0	100	91	75	110
2,4-Dinitrotoluene	1	100.77	0	100	101	64	120
4-Nitrophenol	1	42.05	0	100	42	35	116
Fluorene	1	91.11	0	100	91	73	113
Hexachlorobenzene	1	95.7	0	100	96	61	120
Pentachlorophenol	1	107.96	0	100	108	76	140
Pyrene	1	96.14	0	100	96	76	118
Butylbenzylphthalate	1	100.53	0	100	101	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	24.7	0	100	25	1	93
Phenol	1	61.03	0	100	61	32	98
2-Chlorophenol	1	95.73	0	100	96	64	108
1,4-Dichlorobenzene	1	90.03	0	100	90	52	110
2-Methylphenol	1	97.43	0	100	97	58	113
Hexachloroethane	1	89.38	0	100	89	57	116
N-Nitroso-di-n-propylamine	1	97.45	0	100	97	49	118
3&4-Methylphenol	1	91.58	0	100	92	64	98
Nitrobenzene	1	98.7	0	100	99	80	115
2,4-Dimethylphenol	1	96.44	0	100	96	54	122
1,2,4-Trichlorobenzene	1	87.58	0	100	88	52	120
Naphthalene	1	162.34	97.78	100	65	61	116
Hexachlorobutadiene	1	89.13	0	100	89	61	118
4-Chloro-3-methylphenol	1	102.94	0	100	103	71	119
2,4,6-Trichlorophenol	1	110.89	0	100	111	89	124
2,4,5-Trichlorophenol	1	108.99	0	100	109	89	129
Acenaphthene	1	109.14	12.28	100	97	75	110
2,4-Dinitrotoluene	1	106.44	0	100	106	64	120
4-Nitrophenol	1	76.54	0	100	77	35	116
Fluorene	1	99.84	5.47	100	94	73	113
Hexachlorobenzene	1	96.25	0	100	96	61	120
Pentachlorophenol	1	127.92	0	100	128	76	140
Pyrene	1	101.33	0	100	101	76	118
Butylbenzylphthalate	1	107.18	0	100	107	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.4	0	100	15	1	93
Phenol	1	56.93	0	100	57	32	98
2-Chlorophenol	1	95.9	0	100	96	64	108
1,4-Dichlorobenzene	1	97.11	0	100	97	52	110
2-Methylphenol	1	94.03	0	100	94	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	102.28	0	100	102	49	118
3&4-Methylphenol	1	87.7	0	100	88	64	98
Nitrobenzene	1	103.49	0	100	103	80	115
2,4-Dimethylphenol	1	97.26	0	100	97	54	122
1,2,4-Trichlorobenzene	1	91.87	0	100	92	52	120
Naphthalene	1	169.96	97.78	100	72	61	116
Hexachlorobutadiene	1	94.86	0	100	95	61	118
4-Chloro-3-methylphenol	1	103.15	0	100	103	71	119
2,4,6-Trichlorophenol	1	107.49	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.54	0	100	106	89	129
Acenaphthene	1	105.51	12.28	100	93	75	110
2,4-Dinitrotoluene	1	104.44	0	100	104	64	120
4-Nitrophenol	1	69.68	0	100	70	35	116
Fluorene	1	99.9	5.47	100	94	73	113
Hexachlorobenzene	1	98.03	0	100	98	61	120
Pentachlorophenol	1	123.32	0	100	123	76	140
Pyrene	1	103.97	0	100	104	76	118
Butylbenzylphthalate	1	109.16	0	100	109	66	127

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Duplicate(If applicable):	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.4	24.7	46 *	27
Phenol	1	56.93	61.03	7	27
2-Chlorophenol	1	95.9	95.73	0.18	21
1,4-Dichlorobenzene	1	97.11	90.03	7.6	30
2-Methylphenol	1	94.03	97.43	3.6	25
Hexachloroethane	1	95.79	89.38	6.9	27
N-Nitroso-di-n-propylamine	1	102.28	97.45	4.8	14
3&4-Methylphenol	1	87.7	91.58	4.3	27
Nitrobenzene	1	103.49	98.7	4.7	27
2,4-Dimethylphenol	1	97.26	96.44	0.85	18
1,2,4-Trichlorobenzene	1	91.87	87.58	4.8	17
Naphthalene	1	169.96	162.34	4.6	16
Hexachlorobutadiene	1	94.86	89.13	6.2	27
4-Chloro-3-methylphenol	1	103.15	102.94	0.2	16
2,4,6-Trichlorophenol	1	107.49	110.89	3.1	27
2,4,5-Trichlorophenol	1	105.54	108.99	3.2	27
Acenaphthene	1	105.51	109.14	3.4	14
2,4-Dinitrotoluene	1	104.44	106.44	1.9	13
4-Nitrophenol	1	69.68	76.54	9.4	41
Fluorene	1	99.9	99.84	0.06	14
Hexachlorobenzene	1	98.03	96.25	1.8	27
Pentachlorophenol	1	123.32	127.92	3.7	31
Pyrene	1	103.97	101.33	2.6	13
Butylbenzylphthalate	1	109.16	107.18	1.8	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: WMB4585

Data File	Sample ID:	Analysis Date
Spike or Dup: 5M64837.D	WMB4585(MS)	2/24/2011 10:18:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		
Method: 8270	Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	18.76	0	100	19	1	93
Phenol	1	40.27	0	100	40	32	98
2-Chlorophenol	1	92.32	0	100	92	64	108
1,4-Dichlorobenzene	1	80.14	0	100	80	52	110
2-Methylphenol	1	87.6	0	100	88	58	113
Hexachloroethane	1	79.08	0	100	79	57	116
N-Nitroso-di-n-propylamine	1	95.29	0	100	95	49	118
3&4-Methylphenol	1	77.94	0	100	78	64	98
Nitrobenzene	1	105.96	0	100	106	80	115
2,4-Dimethylphenol	1	96.52	0	100	97	54	122
1,2,4-Trichlorobenzene	1	89.96	0	100	90	52	120
Naphthalene	1	91.16	0	100	91	61	116
Hexachlorobutadiene	1	92.47	0	100	92	61	118
4-Chloro-3-methylphenol	1	99.4	0	100	99	71	119
2,4,6-Trichlorophenol	1	110.03	0	100	110	89	124
2,4,5-Trichlorophenol	1	104.55	0	100	105	89	129
Acenaphthene	1	101.64	0	100	102	75	110
2,4-Dinitrotoluene	1	111.09	0	100	111	64	120
4-Nitrophenol	1	47.81	0	100	48	35	116
Fluorene	1	99.15	0	100	99	73	113
Hexachlorobenzene	1	101.42	0	100	101	61	120
Pentachlorophenol	1	112.09	0	100	112	76	140
Pyrene	1	102.43	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	9.32	0	100	9.3	1	93
Phenol	1	60.33	0	100	60	32	98
2-Chlorophenol	1	91.73	0	100	92	64	108
1,4-Dichlorobenzene	1	94.35	0	100	94	52	110
2-Methylphenol	1	91.32	0	100	91	58	113
Hexachloroethane	1	94.05	0	100	94	57	116
N-Nitroso-di-n-propylamine	1	97.05	0	100	97	49	118
3&4-Methylphenol	1	89.69	0	100	90	64	98
Nitrobenzene	1	101.08	0	100	101	80	115
2,4-Dimethylphenol	1	91.89	0	100	92	54	122
1,2,4-Trichlorobenzene	1	90.39	0	100	90	52	120
Naphthalene	1	121.43	36.02	100	85	61	116
Hexachlorobutadiene	1	95.27	0	100	95	61	118
4-Chloro-3-methylphenol	1	100.98	0	100	101	71	119
2,4,6-Trichlorophenol	1	106.98	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.19	0	100	105	89	129
Acenaphthene	1	102.91	5.29	100	98	75	110
2,4-Dinitrotoluene	1	109.21	0	100	109	64	120
4-Nitrophenol	1	73.79	0	100	74	35	116
Fluorene	1	101.38	2.3	100	99	73	113
Hexachlorobenzene	1	102.66	0	100	103	61	120
Pentachlorophenol	1	116.29	0	100	116	76	140
Pyrene	1	106.27	0	100	106	76	118
Butylbenzylphthalate	1	110.92	0	100	111	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.1	0	100	15	1	93
Phenol	1	53.52	0	100	54	32	98
2-Chlorophenol	1	92.2	0	100	92	64	108
1,4-Dichlorobenzene	1	87.66	0	100	88	52	110
2-Methylphenol	1	87.22	0	100	87	58	113
Hexachloroethane	1	90.47	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	96.7	0	100	97	49	118
3&4-Methylphenol	1	82.34	0	100	82	64	98
Nitrobenzene	1	105.36	0	100	105	80	115
2,4-Dimethylphenol	1	97.32	0	100	97	54	122
1,2,4-Trichlorobenzene	1	88.71	0	100	89	52	120
Naphthalene	1	117.52	36.02	100	82	61	116
Hexachlorobutadiene	1	94.18	0	100	94	61	118
4-Chloro-3-methylphenol	1	101.41	0	100	101	71	119
2,4,6-Trichlorophenol	1	108.27	0	100	108	89	124
2,4,5-Trichlorophenol	1	109.47	0	100	109	89	129
Acenaphthene	1	100.97	5.29	100	96	75	110
2,4-Dinitrotoluene	1	106.96	0	100	107	64	120
4-Nitrophenol	1	63.45	0	100	63	35	116
Fluorene	1	100.26	2.3	100	98	73	113
Hexachlorobenzene	1	100.09	0	100	100	61	120
Pentachlorophenol	1	119.38	0	100	119	76	140
Pyrene	1	101.11	0	100	101	76	118
Butylbenzylphthalate	1	109.85	0	100	110	66	127

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Duplicate(If applicable):	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.1	9.32	47 *	27
Phenol	1	53.52	60.33	12	27
2-Chlorophenol	1	92.2	91.73	0.51	21
1,4-Dichlorobenzene	1	87.66	94.35	7.4	30
2-Methylphenol	1	87.22	91.32	4.6	25
Hexachloroethane	1	90.47	94.05	3.9	27
N-Nitroso-di-n-propylamine	1	96.7	97.05	0.36	14
3&4-Methylphenol	1	82.34	89.69	8.5	27
Nitrobenzene	1	105.36	101.08	4.1	27
2,4-Dimethylphenol	1	97.32	91.89	5.7	18
1,2,4-Trichlorobenzene	1	88.71	90.39	1.9	17
Naphthalene	1	117.52	121.43	3.3	16
Hexachlorobutadiene	1	94.18	95.27	1.2	27
4-Chloro-3-methylphenol	1	101.41	100.98	0.42	16
2,4,6-Trichlorophenol	1	108.27	106.98	1.2	27
2,4,5-Trichlorophenol	1	109.47	105.19	4	27
Acenaphthene	1	100.97	102.91	1.9	14
2,4-Dinitrotoluene	1	106.96	109.21	2.1	13
4-Nitrophenol	1	63.45	73.79	15	41
Fluorene	1	100.26	101.38	1.1	14
Hexachlorobenzene	1	100.09	102.66	2.5	27
Pentachlorophenol	1	119.38	116.29	2.6	31
Pyrene	1	101.11	106.27	5	13
Butylbenzylphthalate	1	109.85	110.92	0.97	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: WMB4624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M32515.D	WMB4624(MS)	3/1/2011 10:05:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	34.57	0	100	35	1	93
Phenol	1	38.25	0	100	38	32	98
2-Chlorophenol	1	87.95	0	100	88	64	108
1,4-Dichlorobenzene	1	93.06	0	100	93	52	110
2-Methylphenol	1	80.38	0	100	80	58	113
Hexachloroethane	1	91.13	0	100	91	57	116
N-Nitroso-di-n-propylamine	1	93.27	0	100	93	49	118
3&4-Methylphenol	1	75.93	0	100	76	64	98
Nitrobenzene	1	102.35	0	100	102	80	115
2,4-Dimethylphenol	1	85.79	0	100	86	54	122
1,2,4-Trichlorobenzene	1	90.96	0	100	91	52	120
Naphthalene	1	90.88	0	100	91	61	116
Hexachlorobutadiene	1	92.77	0	100	93	61	118
4-Chloro-3-methylphenol	1	97.4	0	100	97	71	119
2,4,6-Trichlorophenol	1	101.47	0	100	101	89	124
2,4,5-Trichlorophenol	1	103.11	0	100	103	89	129
Acenaphthene	1	94.23	0	100	94	75	110
2,4-Dinitrotoluene	1	98.21	0	100	98	64	120
4-Nitrophenol	1	38.46	0	100	38	35	116
Fluorene	1	95.74	0	100	96	73	113
Hexachlorobenzene	1	96.9	0	100	97	61	120
Pentachlorophenol	1	103.35	0	100	103	76	140
Pyrene	1	102.49	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Form3
Recovery Data
QC Batch: WMB4657

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M65035.D	WMB4657(MS)	3/4/2011 12:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	5.83	0	100	5.8	1	93
Phenol	1	39.55	0	100	40	32	98
2-Chlorophenol	1	87.28	0	100	87	64	108
1,4-Dichlorobenzene	1	90.28	0	100	90	52	110
2-Methylphenol	1	80.07	0	100	80	58	113
Hexachloroethane	1	90.17	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	93.31	0	100	93	49	118
3&4-Methylphenol	1	73	0	100	73	64	98
Nitrobenzene	1	94.17	0	100	94	80	115
2,4-Dimethylphenol	1	86.78	0	100	87	54	122
1,2,4-Trichlorobenzene	1	85.17	0	100	85	52	120
Naphthalene	1	90	0	100	90	61	116
Hexachlorobutadiene	1	90.07	0	100	90	61	118
4-Chloro-3-methylphenol	1	98.86	0	100	99	71	119
2,4,6-Trichlorophenol	1	95.09	0	100	95	89	124
2,4,5-Trichlorophenol	1	97.72	0	100	98	89	129
Acenaphthene	1	90.74	0	100	91	75	110
2,4-Dinitrotoluene	1	104.94	0	100	105	64	120
4-Nitrophenol	1	41.88	0	100	42	35	116
Fluorene	1	86.45	0	100	86	73	113
Hexachlorobenzene	1	90.54	0	100	91	61	120
Pentachlorophenol	1	97.29	0	100	97	76	140
Pyrene	1	91.81	0	100	92	76	118
Butylbenzylphthalate	1	96.78	0	100	97	66	127

* - Indicates outside of limits

FORM 4
Blank Summary

Blank Number: WMB4536
Blank Data File: 5M64713.D
Matrix: Aqueous

Blank Analysis Date: 02/16/11 10:16
Blank Extraction Date: 02/15/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57100-001(T)	9M32369.D	02/17/11 10:28
EF-3 V-1014(02/11	9M32373.D	02/17/11 12:01
AC57098-001(T)(M	5M64717.D	02/16/11 11:55
AC57098-001(T)(M	5M64716.D	02/16/11 11:32
AC57098-001(T)	5M64715.D	02/16/11 11:08
WMB4536(MS)	5M64714.D	02/16/11 10:40

FORM 4
Blank Summary

Blank Number: WMB4565
Blank Data File: 5M64793.D
Matrix: Aqueous

Blank Analysis Date: 02/22/11 08:38
Blank Extraction Date: 02/20/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57100-006(T)(R	10M19518.D	02/22/11 12:45
EF-3 V-1014(02/15	10M19517.D	02/22/11 12:23
WMB4565(MS)	5M64794.D	02/22/11 09:02

FORM 4
Blank Summary

Blank Number: WMB4585
Blank Data File: 5M64838.D
Matrix: Aqueous

Blank Analysis Date: 02/24/11 10:42
Blank Extraction Date: 02/23/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57100-011(T)	5M64845.D	02/24/11 13:26
EF-3 V-1014(02/20	5M64852.D	02/24/11 16:11
AC57098-010(T)(M	5M64841.D	02/24/11 11:52
AC57098-010(T)(M	5M64840.D	02/24/11 11:28
AC57098-010(T)	5M64839.D	02/24/11 11:05
WMB4585(MS)	5M64837.D	02/24/11 10:18

FORM 4
Blank Summary

Blank Number: WMB4624
Blank Data File: 5M64934.D
Matrix: Aqueous

Blank Analysis Date: 03/01/11 10:06
Blank Extraction Date: 02/28/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57100-016(T)	5M64942.D	03/01/11 13:15
EF-3 V-1014(02/25	5M64948.D	03/01/11 15:38
WMB4624(MS)	9M32515.D	03/01/11 10:05

FORM 4
Blank Summary

Blank Number: WMB4657
Blank Data File: 10M19711.D
Matrix: Aqueous

Blank Analysis Date: 03/04/11 11:04
Blank Extraction Date: 03/03/11
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC57100-021(T)	10M19727.D	03/04/11 16:59
EF-3 V-1014(03/02	10M19732.D	03/04/11 18:50
WMB4657(MS)	5M65035.D	03/04/11 12:18

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19414.D
Analysis Date: 02/09/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.827 to 9.832 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	67756	PASS
68	69	0.00	2	1.4	844	PASS
69	198	0.00	100	45.1	58768	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	54.3	70736	PASS
197	198	0.00	1	0.2	294	PASS
198	198	100	100	100.0	130260	PASS
199	198	5	9	6.9	9032	PASS
275	198	10	30	19.1	24864	PASS
365	198	1	100	2.3	2981	PASS
441	443	0.01	100	73.5	10493	PASS
442	198	40	100	54.4	70844	PASS
443	442	17	23	20.1	14268	PASS

Data File	Sample Number	Analysis Date:
10M19415.D	CAL BNA@50PPM	02/09/11 09:39
10M19416.D	CAL BNA@196PP	02/09/11 10:03
10M19417.D	CAL BNA@160PP	02/09/11 10:26
10M19418.D	CAL BNA@120PP	02/09/11 10:48
10M19419.D	CAL BNA@80PPM	02/09/11 11:10
10M19420.D	CAL BNA@20PPM	02/09/11 11:33
10M19421.D	CAL BNA@10PPM	02/09/11 11:55
10M19422.D	CAL BNA@2PPM	02/09/11 12:17
10M19423.D	CAL BNA@0.5PP	02/09/11 12:39
10M19424.D	CAL BNA@50PPM	02/09/11 13:01
10M19425.D	CAL BNA@25PPM	02/09/11 13:24
10M19426.D	CAL BNA@30PPM	02/09/11 13:55
10M19427.D	ICV BNA@50PPM	02/09/11 14:17
10M19428.D	WMB4476	02/09/11 15:09
10M19429.D	AC57153-001	02/09/11 15:31
10M19430.D	AC57023-003(T)	02/09/11 15:53
10M19431.D	EF-SPLP V-10679	02/09/11 16:16
10M19432.D	AC57154-001	02/09/11 16:38
10M19433.D	MBS-A	02/09/11 17:00
10M19434.D	MBS-B	02/09/11 17:22
10M19435.D	MBS-C	02/09/11 17:44
10M19436.D	MBS-D	02/09/11 18:06

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64598.D
Instrument: GCMS 5 **Analysis Date:** 02/09/11 09:20
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.594 to 9.604 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.2	40084	PASS
68	69	0.00	2	0.7	270	PASS
69	198	0.00	100	52.6	38884	PASS
70	69	0.00	2	0.8	325	PASS
127	198	40	60	59.4	43930	PASS
197	198	0.00	1	1.0	729	PASS
198	198	100	100	100.0	73955	PASS
199	198	5	9	7.1	5218	PASS
275	198	10	30	17.5	12958	PASS
365	198	1	100	2.1	1530	PASS
441	443	0.01	100	78.3	6413	PASS
442	198	40	100	57.0	42127	PASS
443	442	17	23	19.4	8191	PASS

Data File	Sample Number	Analysis Date:
5M64599.D	CAL BNA@50PPM	02/09/11 09:44
5M64600.D	CAL BNA@196PP	02/09/11 10:07
5M64601.D	CAL BNA@160PP	02/09/11 10:30
5M64602.D	CAL BNA@120PP	02/09/11 10:54
5M64603.D	CAL BNA@80PPM	02/09/11 11:18
5M64604.D	CAL BNA@20PPM	02/09/11 11:42
5M64605.D	CAL BNA@10PPM	02/09/11 12:06
5M64606.D	CAL BNA@2PPM	02/09/11 12:30
5M64607.D	CAL BNA@0.5PP	02/09/11 12:53
5M64608.D	CAL BNA@50PPM	02/09/11 13:17
5M64609.D	CAL BNA@25PPM	02/09/11 13:40
5M64610.D	CAL BNA@30PPM	02/09/11 14:04
5M64611.D	ICV BNA@50PPM	02/09/11 14:35
5M64612.D	WMB4476(MS)	02/09/11 15:12
5M64613.D	WMB4476	02/09/11 15:35
5M64614.D	AC57151-001	02/09/11 15:58
5M64615.D	AC57156-001	02/09/11 16:22
5M64616.D	AC57151-003	02/09/11 16:45
5M64617.D	AC57156-002	02/09/11 17:09
5M64618.D	MLCL2-TEST	02/09/11 17:32

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32186.D
Instrument: GCMS 9 **Analysis Date:** 02/09/11 09:29
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.703 to 9.714 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	38.7	38942	PASS
68	69	0.00	2	1.7	708	PASS
69	198	0.00	100	42.5	42744	PASS
70	69	0.00	2	0.5	206	PASS
127	198	40	60	53.9	54198	PASS
197	198	0.00	1	0.5	496	PASS
198	198	100	100	100.0	100536	PASS
199	198	5	9	6.8	6856	PASS
275	198	10	30	20.9	21034	PASS
365	198	1	100	2.0	2019	PASS
441	443	0.01	100	77.8	6639	PASS
442	198	40	100	42.9	43152	PASS
443	442	17	23	19.8	8536	PASS

Data File	Sample Number	Analysis Date:
9M32187.D	CAL BNA@50PPM	02/09/11 09:52
9M32188.D	CAL BNA@196PP	02/09/11 10:15
9M32189.D	CAL BNA@160PP	02/09/11 10:38
9M32190.D	CAL BNA@120PP	02/09/11 11:05
9M32191.D	CAL BNA@80PPM	02/09/11 11:28
9M32192.D	CAL BNA@20PPM	02/09/11 11:51
9M32193.D	CAL BNA@10PPM	02/09/11 12:14
9M32194.D	CAL BNA@2PPM	02/09/11 12:37
9M32195.D	CAL BNA@0.5PP	02/09/11 13:00
9M32196.D	CAL BNA@50PPM	02/09/11 13:26
9M32197.D	BNA@25PPM	02/09/11 13:49
9M32198.D	BNA@30PPM	02/09/11 14:12
9M32199.D	ICV BNA@50PPM	02/09/11 14:36
9M32200.D	SMB4479	02/09/11 15:09
9M32201.D	SMB4479(MS)	02/09/11 15:31
9M32202.D	AC57095-001	02/09/11 15:54
9M32203.D	AC57095-001(5X)	02/09/11 16:19
9M32204.D	MBS4479-1	02/09/11 16:42
9M32205.D	MBS4479-2	02/09/11 17:04
9M32206.D	MBS4479-3	02/09/11 17:27
9M32207.D	MBS4479-4	02/09/11 17:50

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64711.D
Instrument: GCMS 5 **Analysis Date:** 02/16/11 09:14
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.572 to 9.583 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	48.1	52565	PASS
68	69	0.00	2	1.9	1016	PASS
69	198	0.00	100	48.2	52654	PASS
70	69	0.00	2	0.6	299	PASS
127	198	40	60	58.0	63400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109340	PASS
199	198	5	9	6.5	7106	PASS
275	198	10	30	18.0	19696	PASS
365	198	1	100	2.3	2484	PASS
441	443	0.01	100	80.6	9770	PASS
442	198	40	100	59.3	64833	PASS
443	442	17	23	18.7	12124	PASS

Data File	Sample Number	Analysis Date:
5M64712.D	CAL BNA@50PPM	02/16/11 09:50
5M64713.D	WMB4536	02/16/11 10:16
5M64714.D	WMB4536(MS)	02/16/11 10:40
5M64715.D	AC57098-001(T)	02/16/11 11:08
5M64716.D	AC57098-001(T)(M	02/16/11 11:32
5M64717.D	AC57098-001(T)(M	02/16/11 11:55
5M64718.D	AC57098-002(T)	02/16/11 12:19
5M64719.D	AC57098-003(T)	02/16/11 12:43
5M64720.D	WMB4538(MS)	02/16/11 13:07
5M64721.D	WMB4538	02/16/11 13:30
5M64722.D	AC57098-004(T)	02/16/11 13:54
5M64723.D	AC57277-001(10X)	02/16/11 14:17
5M64724.D	AC57224-006(10X)	02/16/11 14:41
5M64725.D	AC57277-001(5X)	02/16/11 15:04
5M64726.D	AC57273-001	02/16/11 15:28
5M64727.D	AC57274-001	02/16/11 15:52
5M64728.D	AC57232-010	02/16/11 16:16
5M64729.D	AC57242-001(MS)	02/16/11 16:39
5M64730.D	AC57242-001(MSD	02/16/11 17:15
5M64731.D	AC57242-001	02/16/11 17:39
5M64732.D	AC57242-002	02/16/11 18:03
5M64733.D	AC57246-005	02/16/11 18:27
5M64734.D	AC57274-001	02/16/11 18:50
5M64735.D	AC57232-010	02/16/11 19:13
5M64736.D	AC57100-001(T)	02/16/11 19:37
5M64737.D	AC57100-003(T)	02/16/11 20:01
5M64738.D	AC57100-004(T)	02/16/11 20:25
5M64739.D	AC57100-005(T)	02/16/11 20:48
5M64740.D	EF-3 V-1014(02/11	02/16/11 21:11
5M64741.D	EF-3 V-1014(02/12	02/16/11 21:35
5M64742.D	EF-3 V-1014(02/13	02/16/11 21:58
5M64743.D	EF-3 V-1014(02/14	02/16/11 22:22
5M64744.D	AC57251-004	02/16/11 22:46
5M64745.D	AC57251-005	02/16/11 23:09
5M64746.D	AC57251-006	02/16/11 23:33
5M64747.D	AC57251-008	02/16/11 23:57
5M64748.D	AC57239-001	02/17/11 00:20
5M64749.D	AC57239-002	02/17/11 00:43
5M64750.D	AC57239-003	02/17/11 01:07
5M64751.D	AC57239-004	02/17/11 01:30
5M64752.D	AC57226-001	02/17/11 01:53
5M64753.D	AC57226-002	02/17/11 02:17
5M64754.D	AC57259-012	02/17/11 02:40

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M32364.D
Analysis Date: 02/17/11 08:28
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.661 to 9.672 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.3	45446	PASS
68	69	0.00	2	1.5	752	PASS
69	198	0.00	100	43.6	49155	PASS
70	69	0.00	2	0.6	285	PASS
127	198	40	60	54.7	61607	PASS
197	198	0.00	1	0.5	587	PASS
198	198	100	100	100.0	112648	PASS
199	198	5	9	6.5	7352	PASS
275	198	10	30	20.9	23585	PASS
365	198	1	100	2.0	2305	PASS
441	443	0.01	100	88.3	7662	PASS
442	198	40	100	41.6	46835	PASS
443	442	17	23	18.5	8676	PASS

Data File	Sample Number	Analysis Date:
9M32365.D	CAL BNA@50PPM	02/17/11 08:52
9M32366.D	WMB4536	02/17/11 09:18
9M32367.D	WMB4538	02/17/11 09:41
9M32368.D	AC57232-010	02/17/11 10:04
9M32369.D	AC57100-001(T)	02/17/11 10:28
9M32370.D	AC57100-003(T)	02/17/11 10:51
9M32371.D	AC57100-004(T)	02/17/11 11:14
9M32372.D	AC57100-005(T)	02/17/11 11:37
9M32373.D	EF-3 V-1014(02/11	02/17/11 12:01
9M32374.D	EF-3 V-1014(02/12	02/17/11 12:24
9M32375.D	EF-3 V-1014(02/13	02/17/11 12:47
9M32376.D	EF-3 V-1014(02/14	02/17/11 13:10
9M32377.D	WMB4546	02/17/11 13:34
9M32378.D	WMB4536	02/17/11 13:57
9M32379.D	AC57241-003	02/17/11 14:21
9M32380.D	EF-SPLP V-10679	02/17/11 14:44
9M32381.D	AC57120-001(T)	02/17/11 15:07
9M32382.D	AC57141-001(T)	02/17/11 15:29

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64791.D
Instrument: GCMS 5 **Analysis Date:** 02/22/11 07:27
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.556 to 9.567 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	29999	PASS
68	69	0.00	2	1.4	383	PASS
69	198	0.00	100	48.7	28112	PASS
70	69	0.00	2	0.7	211	PASS
127	198	40	60	55.8	32208	PASS
197	198	0.00	1	0.2	93	PASS
198	198	100	100	100.0	57735	PASS
199	198	5	9	7.0	4026	PASS
275	198	10	30	17.1	9870	PASS
365	198	1	100	2.4	1361	PASS
441	443	0.01	100	88.0	5750	PASS
442	198	40	100	61.5	35506	PASS
443	442	17	23	18.4	6535	PASS

Data File	Sample Number	Analysis Date:
5M64792.D	CAL BNA@50PPM	02/22/11 07:57
5M64793.D	WMB4565	02/22/11 08:38
5M64794.D	WMB4565(MS)	02/22/11 09:02
5M64795.D	WMB4567(MS)	02/22/11 09:25
5M64796.D	WMB4567	02/22/11 09:49
5M64797.D	AC57285-005	02/22/11 10:12
5M64798.D	AC57285-005(MS)	02/22/11 10:36
5M64799.D	AC57285-005(MSD	02/22/11 10:59
5M64800.D	AC57285-010(5X)	02/22/11 11:22
5M64801.D	AC57285-004	02/22/11 11:46
5M64802.D	AC57285-007	02/22/11 12:09
5M64803.D	AC57285-008	02/22/11 12:33
5M64804.D	WMB4569(MS)	02/22/11 12:56
5M64805.D	WMB4569	02/22/11 13:20
5M64806.D	AC57306-002	02/22/11 13:43
5M64807.D	AC57306-003(MS:	02/22/11 14:07
5M64808.D	AC57306-004(MSD	02/22/11 14:30
5M64809.D	AC57285-009	02/22/11 14:54
5M64810.D	AC57285-003	02/22/11 15:18
5M64813.D	AC57290-004	02/22/11 16:29

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19508.D
Instrument: GCMS 10 **Analysis Date:** 02/22/11 08:34
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.800 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.9	58576	PASS
68	69	0.00	2	1.7	828	PASS
69	198	0.00	100	49.2	49739	PASS
70	69	0.00	2	0.7	346	PASS
127	198	40	60	56.2	56832	PASS
197	198	0.00	1	0.8	854	PASS
198	198	100	100	100.0	101192	PASS
199	198	5	9	6.7	6778	PASS
275	198	10	30	19.6	19845	PASS
365	198	1	100	2.3	2292	PASS
441	443	0.01	100	72.5	7491	PASS
442	198	40	100	49.8	50416	PASS
443	442	17	23	20.5	10328	PASS

Data File	Sample Number	Analysis Date:
10M19509.D	CAL BNA@50PPM	02/22/11 08:56
10M19510.D	WMB4565	02/22/11 09:48
10M19511.D	AC57098-005(T)(R	02/22/11 10:10
10M19512.D	AC57098-006(T)(R	02/22/11 10:32
10M19513.D	AC57098-007(T)(R	02/22/11 10:54
10M19514.D	AC57100-006(T)(R	02/22/11 11:17
10M19515.D	AC57100-007(T)(R	02/22/11 11:39
10M19516.D	AC57100-008(T)(R	02/22/11 12:01
10M19517.D	EF-3 V-1014(02/15	02/22/11 12:23
10M19518.D	AC57100-006(T)(R	02/22/11 12:45
10M19519.D	EF-3 V-1014(02/16	02/22/11 13:07
10M19520.D	EF-3 V-1014(02/17	02/22/11 13:30
10M19521.D	WMB4567	02/22/11 13:52

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64835.D
Instrument: GCMS 5 **Analysis Date:** 02/24/11 07:39
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.549 to 9.560 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.8	36480	PASS
68	69	0.00	2	0.7	231	PASS
69	198	0.00	100	52.8	34516	PASS
70	69	0.00	2	0.5	182	PASS
127	198	40	60	58.4	38192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65354	PASS
199	198	5	9	6.5	4222	PASS
275	198	10	30	17.1	11188	PASS
365	198	1	100	2.0	1296	PASS
441	443	0.01	100	83.7	5549	PASS
442	198	40	100	53.6	35012	PASS
443	442	17	23	18.9	6632	PASS

Data File	Sample Number	Analysis Date:
5M64836.D	CAL BNA@50PPM	02/24/11 09:54
5M64837.D	WMB4585(MS)	02/24/11 10:18
5M64838.D	WMB4585	02/24/11 10:42
5M64839.D	AC57098-010(T)	02/24/11 11:05
5M64840.D	AC57098-010(T)(M	02/24/11 11:28
5M64841.D	AC57098-010(T)(M	02/24/11 11:52
5M64842.D	AC57098-008(T)	02/24/11 12:15
5M64843.D	AC57098-009(T)	02/24/11 12:39
5M64844.D	AC57098-011(T)	02/24/11 13:03
5M64845.D	AC57100-011(T)	02/24/11 13:26
5M64846.D	WMB4595(MS)	02/24/11 13:50
5M64847.D	WMB4595	02/24/11 14:13
5M64848.D	AC57252-002(T)	02/24/11 14:37
5M64849.D	AC57100-012(T)	02/24/11 15:01
5M64850.D	EF-3 V-1014(02/18	02/24/11 15:24
5M64851.D	EF-3 V-1014(02/19	02/24/11 15:48
5M64852.D	EF-3 V-1014(02/20	02/24/11 16:11
5M64853.D	EF-3 V-1014(02/21	02/24/11 16:35
5M64854.D	AC57263-001(T)	02/24/11 16:59
5M64855.D	AC57263-001(T)(M	02/24/11 17:22
5M64856.D	AC57263-001(T)(M	02/24/11 17:46
5M64857.D	AC57382-002(10X)	02/24/11 18:09
5M64858.D	AC57228-003(T)	02/24/11 18:32
5M64859.D	AC57212-002(T)	02/24/11 18:55
5M64860.D	EF-SPLP V-10679	02/24/11 19:19
5M64861.D	EF-1 V-108537(02/	02/24/11 19:42
5M64862.D	AC57332-001(R)	02/24/11 20:06
5M64863.D	AC57374-001	02/24/11 20:29
5M64864.D	AC57374-002	02/24/11 20:52
5M64865.D	AC57374-003	02/24/11 21:16
5M64866.D	AC57374-004	02/24/11 21:39
5M64867.D	AC57374-005	02/24/11 22:02
5M64868.D	AC57374-006	02/24/11 22:25

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32489.D
Instrument: GCMS 9 **Analysis Date:** 02/28/11 09:50
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.645 to 9.655 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.3	37043	PASS
68	69	0.00	2	1.8	732	PASS
69	198	0.00	100	44.9	40285	PASS
70	69	0.00	2	0.7	285	PASS
127	198	40	60	55.0	49262	PASS
197	198	0.00	1	0.5	432	PASS
198	198	100	100	100.0	89626	PASS
199	198	5	9	6.6	5955	PASS
275	198	10	30	20.1	18002	PASS
365	198	1	100	2.1	1849	PASS
441	443	0.01	100	78.9	5450	PASS
442	198	40	100	40.6	36378	PASS
443	442	17	23	19.0	6906	PASS

Data File	Sample Number	Analysis Date:
9M32490.D	CAL BNA@50PPM	02/28/11 10:32
9M32491.D	CAL BNA@2PPM	02/28/11 10:55
9M32492.D	CAL BNA@.5PPM	02/28/11 11:18
9M32493.D	CAL BNA@10PPM	02/28/11 11:42
9M32494.D	CAL BNA@20PPM	02/28/11 12:05
9M32495.D	CAL BNA@80PPM	02/28/11 12:29
9M32496.D	CAL BNA@120PP	02/28/11 12:52
9M32497.D	CAL BNA@160PP	02/28/11 13:33
9M32498.D	CAL BNA@196PP	02/28/11 13:57
9M32499.D	CAL BNA@50PPM	02/28/11 14:20
9M32500.D	ICV BNA@50PPM	02/28/11 14:44
9M32501.D	TEST	02/28/11 15:54
9M32502.D	SMB4591	02/28/11 16:17
9M32503.D	AC57463-012	02/28/11 16:41
9M32504.D	AC57463-013	02/28/11 17:04
9M32505.D	AC57459-001	02/28/11 17:28
9M32506.D	AC57459-002	02/28/11 17:51
9M32507.D	AC57459-003	02/28/11 18:15
9M32508.D	AC57459-004	02/28/11 18:38
9M32509.D	AC57463-005	02/28/11 19:01
9M32510.D	AC57463-006	02/28/11 19:25
9M32511.D	AC57359-002	02/28/11 19:48
9M32512.D	AC57328-004	02/28/11 20:12

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64932.D
Instrument: GCMS 5 **Analysis Date:** 03/01/11 09:14
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.538 to 9.544 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.1	59476	PASS
68	69	0.00	2	1.7	952	PASS
69	198	0.00	100	50.3	55244	PASS
70	69	0.00	2	0.7	363	PASS
127	198	40	60	58.0	63748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109928	PASS
199	198	5	9	6.6	7251	PASS
275	198	10	30	17.4	19125	PASS
365	198	1	100	2.2	2465	PASS
441	443	0.01	100	81.0	8922	PASS
442	198	40	100	55.1	60524	PASS
443	442	17	23	18.2	11009	PASS

Data File	Sample Number	Analysis Date:
5M64933.D	CAL BNA@50PPM	03/01/11 09:38
5M64934.D	WMB4624	03/01/11 10:06
5M64935.D	AC57098-012(T)	03/01/11 10:29
5M64936.D	AC57098-013(T)	03/01/11 10:53
5M64937.D	AC57098-014(T)	03/01/11 11:17
5M64938.D	AC57098-015(T)	03/01/11 11:41
5M64939.D	AC57100-013(T)	03/01/11 12:04
5M64940.D	AC57100-014(T)	03/01/11 12:28
5M64941.D	AC57100-015(T)	03/01/11 12:51
5M64942.D	AC57100-016(T)	03/01/11 13:15
5M64943.D	AC57330-003(T)	03/01/11 13:39
5M64944.D	EF-2 V-109145(02/	03/01/11 14:03
5M64945.D	EF-3 V-1014(02/22	03/01/11 14:26
5M64946.D	EF-3 V-1014(02/23	03/01/11 14:50
5M64947.D	EF-3 V-1014(02/24	03/01/11 15:14
5M64948.D	EF-3 V-1014(02/25	03/01/11 15:38
5M64949.D	WMB4625	03/01/11 16:02
5M64950.D	SMB4620	03/01/11 16:25
5M64951.D	AC57446-009	03/01/11 16:49
5M64952.D	AC57446-011	03/01/11 17:12
5M64953.D	AC57446-013	03/01/11 17:36
5M64954.D	AC57446-020	03/01/11 18:00
5M64955.D	AC57446-003	03/01/11 18:24
5M64956.D	AC57487-011	03/01/11 18:47
5M64957.D	AC57487-013	03/01/11 19:11
5M64958.D	AC57487-003	03/01/11 19:34
5M64959.D	AC57487-007	03/01/11 19:58
5M64960.D	TEST-1	03/01/11 20:21
5M64961.D	TEST-2(G)	03/01/11 20:44

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32513.D
Instrument: GCMS 9 **Analysis Date:** 03/01/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.639 to 9.650 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.1	23457	PASS
68	69	0.00	2	1.8	467	PASS
69	198	0.00	100	38.9	25239	PASS
70	69	0.00	2	0.7	186	PASS
127	198	40	60	50.7	32930	PASS
197	198	0.00	1	0.4	279	PASS
198	198	100	100	100.0	64889	PASS
199	198	5	9	6.5	4211	PASS
275	198	10	30	22.0	14272	PASS
365	198	1	100	2.2	1452	PASS
441	443	0.01	100	83.7	4979	PASS
442	198	40	100	48.3	31314	PASS
443	442	17	23	19.0	5950	PASS

Data File	Sample Number	Analysis Date:
9M32514.D	CAL BNA@50PPM	03/01/11 09:41
9M32515.D	WMB4624(MS)	03/01/11 10:05
9M32516.D	WMB4624	03/01/11 10:28
9M32517.D	WMB4616	03/01/11 10:52
9M32518.D	WMB4616(MS)	03/01/11 11:15
9M32519.D	AC57433-002	03/01/11 11:38
9M32520.D	AC57433-002(MS)	03/01/11 12:01
9M32521.D	AC57433-002(MSD	03/01/11 12:24
9M32522.D	WMB4625(MS)	03/01/11 12:47
9M32523.D	WMB4625	03/01/11 13:11
9M32524.D	AC57446-005	03/01/11 13:34
9M32525.D	AC57446-007	03/01/11 13:57
9M32526.D	AC57446-016	03/01/11 14:20
9M32527.D	AC57446-018	03/01/11 14:44
9M32528.D	AC57359-002(5X)	03/01/11 15:07
9M32529.D	AC57446-001	03/01/11 15:30
9M32530.D	AC57446-001(MS)	03/01/11 15:53
9M32531.D	AC57487-031(3X)	03/01/11 16:16
9M32532.D	SMB4620(MS)	03/01/11 16:40
9M32533.D	SMB4620	03/01/11 17:03
9M32534.D	AC57446-001(MSD	03/01/11 17:26
9M32535.D	AC57487-031(3X)(	03/01/11 17:49
9M32536.D	AC57487-031(3X)(	03/01/11 18:12
9M32537.D	AC57487-009	03/01/11 18:36
9M32538.D	AC57487-015	03/01/11 18:59
9M32539.D	AC57487-017	03/01/11 19:22
9M32540.D	AC57446-007(3X)	03/01/11 19:45
9M32541.D	AC57446-016(10X)	03/01/11 20:08
9M32542.D	AC57446-018(200	03/01/11 20:31
9M32543.D	AC57411-006(R)	03/01/11 20:54
9M32544.D	AC57433-001	03/01/11 21:17
9M32545.D	AC57424-001	03/01/11 21:40
9M32546.D	AC57424-002	03/01/11 22:04
9M32547.D	AC57450-001	03/01/11 22:27
9M32548.D	AC57450-002	03/01/11 22:50
9M32549.D	AC57450-003	03/01/11 23:13
9M32550.D	AC57450-004	03/01/11 23:36
9M32551.D	AC57450-005	03/01/11 23:59
9M32552.D	AC57437-002	03/02/11 00:22
9M32553.D	AC57437-004	03/02/11 00:45
9M32554.D	AC57437-006	03/02/11 01:08
9M32555.D	AC57437-008	03/02/11 01:32

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19637.D
Instrument: GCMS 10 **Analysis Date:** 03/02/11 13:17
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.795 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	39.1	27098	PASS
68	69	0.00	2	0.9	222	PASS
69	198	0.00	100	35.2	24393	PASS
70	69	0.00	2	0.5	124	PASS
127	198	40	60	45.7	31615	PASS
197	198	0.00	1	0.9	628	PASS
198	198	100	100	100.0	69232	PASS
199	198	5	9	6.0	4139	PASS
275	198	10	30	22.3	15417	PASS
365	198	1	100	3.2	2239	PASS
441	443	0.01	100	73.1	8163	PASS
442	198	40	100	84.8	58700	PASS
443	442	17	23	19.0	11160	PASS

Data File	Sample Number	Analysis Date:
10M19638.D	CAL BNA@50PPM	03/02/11 14:04
10M19639.D	CAL BNA@2PPM	03/02/11 15:31
10M19640.D	CAL BNA@.5PPM	03/02/11 15:54
10M19641.D	CAL BNA@10PPM	03/02/11 16:16
10M19642.D	CAL BNA@20PPM	03/02/11 16:38
10M19643.D	CAL BNA@80PPM	03/02/11 17:00
10M19644.D	CAL BNA@120PP	03/02/11 17:22
10M19645.D	CAL BNA@160PP	03/02/11 17:45
10M19646.D	CAL BNA@196PP	03/02/11 18:07
10M19647.D	ICV BNA@50PPM	03/02/11 18:29
10M19648.D	SMB4620	03/02/11 19:54
10M19649.D	WMB4634	03/02/11 20:16
10M19650.D	AC57417-002	03/02/11 20:38
10M19651.D	AC57417-005	03/02/11 21:01
10M19652.D	AC57445-002	03/02/11 21:23
10M19653.D	AC57445-006	03/02/11 21:45
10M19654.D	AC57481-002	03/02/11 22:07
10M19655.D	AC57481-003	03/02/11 22:30
10M19656.D	AC57481-006	03/02/11 22:52
10M19657.D	AC57494-002	03/02/11 23:14
10M19658.D	AC57494-005	03/02/11 23:36

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64979.D
Instrument: GCMS 5 **Analysis Date:** 03/03/11 09:17
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.538 to 9.549 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.4	31792	PASS
68	69	0.00	2	0.5	145	PASS
69	198	0.00	100	48.7	30101	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	58.0	35822	PASS
197	198	0.00	1	0.6	356	PASS
198	198	100	100	100.0	61808	PASS
199	198	5	9	6.7	4148	PASS
275	198	10	30	17.5	10828	PASS
365	198	1	100	2.2	1390	PASS
441	443	0.01	100	80.1	5785	PASS
442	198	40	100	60.1	37158	PASS
443	442	17	23	19.4	7226	PASS

Data File	Sample Number	Analysis Date:
5M64980.D	CAL BNA@50PPM	03/03/11 09:47
5M64981.D	CAL BNA@2PPM	03/03/11 10:16
5M64982.D	CAL BNA@.5PPM	03/03/11 10:40
5M64983.D	CAL BNA@10PPM	03/03/11 11:04
5M64984.D	CAL BNA@20PPM	03/03/11 11:28
5M64985.D	CAL BNA@80PPM	03/03/11 11:52
5M64986.D	CAL BNA@120PP	03/03/11 12:16
5M64987.D	CAL BNA@160PP	03/03/11 12:40
5M64988.D	CAL BNA@196PP	03/03/11 13:04
5M64989.D	CAL BNA@50PPM	03/03/11 13:27
5M64990.D	CAL BNA@2PPM	03/03/11 16:15
5M64991.D	CAL BNA@10PPM	03/03/11 16:38
5M64992.D	ICV BNA@50PPM	03/03/11 17:06

Form 5

Tune Name: CAL DFTPP **Data File:** 5M65029.D
Instrument: GCMS 5 **Analysis Date:** 03/04/11 09:54
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.533 to 9.538 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	47.1	57764	PASS
68	69	0.00	2	1.6	926	PASS
69	198	0.00	100	48.0	58892	PASS
70	69	0.00	2	0.7	398	PASS
127	198	40	60	57.8	70908	PASS
197	198	0.00	1	0.2	291	PASS
198	198	100	100	100.0	122584	PASS
199	198	5	9	6.5	8015	PASS
275	198	10	30	17.5	21440	PASS
365	198	1	100	2.7	3365	PASS
441	443	0.01	100	82.1	11740	PASS
442	198	40	100	59.7	73220	PASS
443	442	17	23	19.5	14303	PASS

Data File	Sample Number	Analysis Date:
5M65030.D	CAL BNA@50PPM	03/04/11 10:17
5M65031.D	WMB4657(MS)	03/04/11 10:43
5M65032.D	WMB4657	03/04/11 11:08
5M65033.D	SMB4643	03/04/11 11:31
5M65034.D	AC57497-004	03/04/11 11:55
5M65035.D	WMB4657(MS)	03/04/11 12:18
5M65036.D	AC57497-014	03/04/11 12:42
5M65037.D	AC57497-013(3X)	03/04/11 13:05
5M65038.D	SMB4662(MS)	03/04/11 13:29
5M65039.D	SMB4662	03/04/11 13:53
5M65040.D	AC57526-001	03/04/11 14:16
5M65041.D	AC57526-002	03/04/11 14:39
5M65042.D	AC57526-003	03/04/11 15:03
5M65043.D	AC57526-004	03/04/11 15:26
5M65044.D	AC57526-005	03/04/11 15:50
5M65045.D	AC57526-006	03/04/11 16:14
5M65046.D	AC57526-007	03/04/11 16:37
5M65047.D	AC57497-006(2X)	03/04/11 17:01
5M65048.D	AC57507-005(15X)	03/04/11 17:25
5M65049.D	AC57391-012(10X)	03/04/11 17:49
5M65050.D	AC57500-001(3X)	03/04/11 18:12
5M65051.D	AC57527-001	03/04/11 18:35
5M65052.D	WMB4661	03/04/11 18:59
5M65053.D	AC57481-006(R)	03/04/11 19:22
5M65054.D	AC57417-002(R)	03/04/11 19:46
5M65055.D	AC57494-002(R)	03/04/11 20:09
5M65056.D	AC57527-002	03/04/11 20:33
5M65057.D	AC57527-003	03/04/11 20:56
5M65058.D	AC57527-004	03/04/11 21:19
5M65059.D	AC57527-005	03/04/11 21:43

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19708.D
Analysis Date: 03/04/11 09:58
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.779 to 9.784 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	43.3	33766	PASS
68	69	0.00	2	1.2	347	PASS
69	198	0.00	100	36.5	28420	PASS
70	69	0.00	2	0.4	119	PASS
127	198	40	60	48.1	37485	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77892	PASS
199	198	5	9	6.3	4883	PASS
275	198	10	30	21.9	17062	PASS
365	198	1	100	2.8	2197	PASS
441	443	0.01	100	75.2	8690	PASS
442	198	40	100	74.2	57780	PASS
443	442	17	23	20.0	11562	PASS

Data File	Sample Number	Analysis Date:
10M19709.D	CAL BNA@50PPM	03/04/11 10:20
10M19710.D	WMB4656	03/04/11 10:42
10M19711.D	WMB4657	03/04/11 11:04
10M19712.D	AC57490-006(R)	03/04/11 11:27
10M19713.D	AC57098-016(T)	03/04/11 11:49
10M19714.D	AC57098-017(T)	03/04/11 12:11
10M19715.D	AC57098-018(T)	03/04/11 12:33
10M19716.D	WMB4661(MS)	03/04/11 12:55
10M19717.D	WMB4661	03/04/11 13:18
10M19718.D	AC57098-019(T)	03/04/11 13:40
10M19719.D	AC57098-020(T)	03/04/11 14:02
10M19720.D	AC57542-003	03/04/11 14:24
10M19721.D	AC57542-003(MS)	03/04/11 14:47
10M19722.D	AC57542-003(MSD	03/04/11 15:08
10M19723.D	AC57100-017(T)	03/04/11 15:31
10M19724.D	AC57100-018(T)	03/04/11 15:53
10M19725.D	AC57100-019(T)	03/04/11 16:15
10M19726.D	AC57100-020(T)	03/04/11 16:37
10M19727.D	AC57100-021(T)	03/04/11 16:59
10M19728.D	EF-3 V-1014(02/26	03/04/11 17:22
10M19729.D	EF-3 V-1014(02/27	03/04/11 17:44
10M19730.D	EF-3 V-1014(02/28	03/04/11 18:06
10M19731.D	EF-3 V-1014(03/01	03/04/11 18:28
10M19732.D	EF-3 V-1014(03/02	03/04/11 18:50
10M19733.D	EF-SPLP V-10913	03/04/11 19:13
10M19734.D	AC57497-012	03/04/11 19:35
10M19735.D	AC57342-002(T)	03/04/11 19:57
10M19736.D	AC57341-003(T)	03/04/11 20:19
10M19737.D	AC57498-002	03/04/11 20:41
10M19738.D	AC57484-002	03/04/11 21:03
10M19739.D	AC57484-003	03/04/11 21:25
10M19740.D	AC57485-002	03/04/11 21:47
10M19741.D	AC57472-001	03/04/11 22:10
10M19742.D	AC57472-002	03/04/11 22:32
10M19743.D	AC57517-001	03/04/11 22:54
10M19744.D	AC57517-002	03/04/11 23:16
10M19745.D	AC57542-002	03/04/11 23:38

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M19424.D Method: EPA 8270C

Analysis Date/Time: 02/09/11 13:01

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	92929	5.68	385671	6.69	209799	8.10	333518	9.54	304851	12.57	287219	14.16
Eval File Area Limit:	46464-185858		192836-771342		104900-419598		166759-667036		152426-609702		143610-574438	
Eval File Rt Limit:	5.18-6.18		6.19-7.19		7.6-8.6		9.04-10.04		12.07-13.07		13.66-14.66	

Data File	Sample											
10M19416.	CAL BNA@1S	81567	5.68	328051	6.69	179463	8.10	288556	9.54	242435	12.58	249321	14.17
10M19417.	CAL BNA@1E	81664	5.69	325018	6.69	178453	8.10	290688	9.54	248582	12.58	247451	14.16
10M19418.	CAL BNA@12	85508	5.69	343195	6.69	190346	8.10	300742	9.54	266440	12.57	253514	14.16
10M19419.	CAL BNA@8C	92640	5.69	364090	6.69	198686	8.10	324948	9.54	288071	12.57	283760	14.16
10M19420.	CAL BNA@2C	93913	5.68	383362	6.69	210401	8.09	341007	9.53	312164	12.57	290583	14.16
10M19421.	CAL BNA@1C	91922	5.68	374430	6.69	201267	8.09	324270	9.53	301618	12.57	279468	14.16
10M19422.	CAL BNA@2F	96852	5.68	374256	6.69	207919	8.09	332599	9.53	305167	12.57	281775	14.16
10M19423.	CAL BNA@0.	94761	5.68	379371	6.69	208090	8.09	334648	9.53	304578	12.56	279460	14.16
10M19424.	CAL BNA@5C	92929	5.68	385671	6.69	209799	8.10	333518	9.54	304851	12.57	287219	14.16
10M19427.	ICV BNA@50	100890	5.68	397604	6.69	216530	8.09	347634	9.54	308733	12.57	295789	14.16
10M19428.	WMB4476	91308	5.68	370176	6.69	199918	8.09	318054	9.53	281019	12.57	262968	14.16
10M19430.	AC57023-003(	84233	5.68	331460	6.69	177312	8.09	285352	9.53	258260	12.57	237746	14.16
10M19431.	EF-SPLP V-1	88165	5.68	354551	6.69	190086	8.09	299322	9.53	265102	12.57	238685	14.16
10M19433.	MBS-A	99219	5.69	380036	6.69	203936	8.10	326317	9.54	292653	12.57	270893	14.16
10M19434.	MBS-B	100979	5.69	401903	6.69	215825	8.10	345215	9.54	288312	12.57	263432	14.16
10M19435.	MBS-C	98621	5.68	384477	6.69	213165	8.10	338512	9.54	291839	12.57	269102	14.16
10M19436.	MBS-D	98385	5.69	397934	6.69	215321	8.10	344509	9.54	301700	12.57	279401	14.16

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64608.D Method: EPA 8270C

Analysis Date/Time: 02/09/11 13:17

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	80006	5.45	318132	6.47	168506	7.85	286861	9.27	226195	12.30	195009	13.89
Eval File Area Limit:	40003-160012		159066-636264		84253-337012		143430-573722		113098-452390		97504-390018	
Eval File Rt Limit:	4.95-5.95		5.97-6.97		7.35-8.35		8.77-9.77		11.8-12.8		13.39-14.39	

Data File	Sample												
5M64600.D	CAL BNA@1	79900	5.45	327096	6.47	173104	7.86	284206	9.28	208534	12.31	175023	13.90
5M64601.D	CAL BNA@1	76994	5.45	298219	6.47	159304	7.85	261393	9.27	202981	12.31	175489	13.90
5M64602.D	CAL BNA@1	81272	5.45	324956	6.47	175060	7.85	295933	9.27	216440	12.31	186309	13.89
5M64603.D	CAL BNA@8	87059	5.45	343707	6.47	185442	7.85	308660	9.27	235298	12.30	204225	13.89
5M64604.D	CAL BNA@2	76048	5.45	299328	6.47	159132	7.85	269358	9.27	219520	12.30	192131	13.89
5M64605.D	CAL BNA@1	83568	5.45	320563	6.47	176222	7.85	297151	9.27	228938	12.30	200272	13.89
5M64606.D	CAL BNA@2	83490	5.45	336064	6.47	180447	7.85	309124	9.27	248781	12.30	207853	13.89
5M64607.D	CAL BNA@0.	73826	5.45	294128	6.47	159283	7.85	263866	9.27	208275	12.30	180886	13.89
5M64608.D	CAL BNA@5	80006	5.45	318132	6.47	168506	7.85	286861	9.27	226195	12.30	195009	13.89
5M64611.D	ICV BNA@50	67521	5.45	265765	6.47	144664	7.85	238597	9.27	195955	12.30	170108	13.89
5M64612.D	WMB4476(MS	75712	5.45	295637	6.47	159760	7.85	262089	9.28	202890	12.31	171503	13.90
5M64613.D	WMB4476	77955	5.45	307153	6.47	165474	7.85	278469	9.27	207617	12.30	186522	13.89
5M64618.D	MLCL2-TEST	76620	5.45	299087	6.47	155850	7.85	266755	9.27	206572	12.30	181311	13.89

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32196.D Method: EPA 8270C

Analysis Date/Time: 02/09/11 13:26

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	86323	5.56	346508	6.58	190795	7.97	315085	9.39	257471	12.42	217789	14.01
Eval File Area Limit:	43162-172646		173254-693016		95398-381590		157542-630170		128736-514942		108894-435578	
Eval File Rt Limit:	5.06-6.06		6.08-7.08		7.47-8.469999		8.89-9.89		11.92-12.92		13.51-14.51	

Data File	Sample												
9M32188.D	CAL BNA@1ç	78479	5.56	315500	6.58	179368	7.97	301531	9.40	238812	12.44	198861	14.03
9M32189.D	CAL BNA@1€	79250	5.56	313216	6.58	179527	7.97	294440	9.40	234583	12.43	196771	14.03
9M32190.D	CAL BNA@12	137128	5.56	534043	6.59	292635	7.98	471630	9.40	361280	12.44	272703	14.02
9M32191.D	CAL BNA@8C	88132	5.56	357542	6.58	201572	7.97	331638	9.39	272950	12.43	234692	14.01
9M32192.D	CAL BNA@2C	84606	5.56	328450	6.57	179144	7.97	291796	9.39	242274	12.42	204075	14.01
9M32193.D	CAL BNA@1C	82809	5.56	336197	6.57	186024	7.97	308945	9.39	256623	12.42	215524	14.01
9M32194.D	CAL BNA@2F	89667	5.56	369163	6.57	206995	7.97	334641	9.39	275005	12.42	231181	14.01
9M32195.D	CAL BNA@0.	85533	5.56	344478	6.57	191009	7.97	314722	9.39	256626	12.42	218278	14.01
9M32196.D	CAL BNA@5C	86323	5.56	346508	6.58	190795	7.97	315085	9.39	257471	12.42	217789	14.01
9M32197.D	BNA@25PPM	80992	5.56	330033	6.57	182308	7.97	299047	9.39	245746	12.42	204207	14.01
9M32198.D	BNA@30PPM	91311	5.56	370233	6.57	204130	7.97	337757	9.39	279911	12.42	233192	14.01
9M32199.D	ICV BNA@50	94195	5.56	376281	6.57	211120	7.97	346788	9.39	289714	12.42	233649	14.01
9M32200.D	SMB4479	94649	5.56	372014	6.57	195740	7.97	304632	9.39	212941	12.42	164216	14.01
9M32201.D	SMB4479(MS.	111628	5.56	437134	6.57	237571	7.97	368789	9.39	263643	12.42	206168	14.01
9M32202.D	AC57095-001	89848	5.56	296122	6.59	184297	7.99	277352	9.43	230506	12.43	207456	14.01
9M32203.D	AC57095-001(	90482	5.56	337377	6.57	192035	7.97	309486	9.40	270506	12.42	232646	14.01
9M32204.D	MBS4479-1	81405	5.56	321167	6.57	175309	7.97	279718	9.39	229116	12.42	184201	14.01
9M32205.D	MBS4479-2	88582	5.56	345612	6.57	186460	7.97	290910	9.39	220327	12.42	176888	14.01
9M32206.D	MBS4479-3	87462	5.56	336014	6.57	180312	7.97	279560	9.39	215905	12.42	177177	14.01
9M32207.D	MBS4479-4	94444	5.56	364327	6.57	193143	7.97	295609	9.39	217963	12.42	173141	14.01

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64712.D Method: EPA 8270C

Analysis Date/Time: 02/16/11 09:50

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	76247	5.43	308819	6.46	173541	7.84	291402	9.26	229963	12.28	199227	13.87
Eval File Area Limit:	38124-152494		154410-617638		86770-347082		145701-582804		114982-459926		99614-398454	
Eval File Rt Limit:	4.93-5.93		5.96-6.96		7.34-8.34		8.76-9.76		11.78-12.78		13.37-14.37	

Data File	Sample											
5M64713.D	WMB4536	74271	5.43	298931	6.45	168448	7.83	288787	9.25	228837	12.28	196289	13.87
5M64714.D	WMB4536(MS	71021	5.43	286400	6.45	157996	7.83	264140	9.25	210652	12.28	176660	13.87
5M64715.D	AC57098-001(	70232	5.43	284132	6.45	159007	7.84	261775	9.25	217966	12.28	189347	13.87
5M64716.D	AC57098-001(	68870	5.43	274855	6.45	149666	7.83	253505	9.25	200976	12.28	171212	13.87
5M64717.D	AC57098-001(	64919	5.43	261022	6.45	147884	7.83	243326	9.25	190364	12.28	160002	13.87
5M64718.D	AC57098-002(	69293	5.43	275176	6.45	157621	7.83	269288	9.25	208827	12.28	184058	13.87
5M64719.D	AC57098-003(	72602	5.43	294355	6.45	164988	7.83	283325	9.25	223203	12.28	186756	13.87
5M64720.D	WMB4538(MS	64391	5.43	259161	6.45	142711	7.83	241542	9.25	192039	12.28	154515	13.87
5M64721.D	WMB4538	65062	5.43	251910	6.45	141365	7.83	242843	9.25	193373	12.28	167513	13.87
5M64722.D	AC57098-004(	71089	5.43	277434	6.45	158213	7.83	265657	9.25	208197	12.28	173504	13.87
5M64723.D	AC57277-001(	69093	5.43	274797	6.45	147711	7.83	253023	9.25	203704	12.28	179225	13.87
5M64725.D	AC57277-001(	113110	5.43	449987	6.45	253470	7.83	425272	9.26	313994	12.29	284841	13.88
5M64726.D	AC57273-001	68380	5.43	240648	6.45	141538	7.84	255802	9.25	192169	12.28	167623	13.87
5M64727.D	AC57274-001	68311	5.43	266880	6.45	150152	7.83	253958	9.25	197029	12.28	178681	13.87
5M64728.D	AC57232-010	70100	5.43	270904	6.45	151775	7.83	260657	9.25	204311	12.28	177200	13.87
5M64729.D	AC57242-001(	67804	5.43	276315	6.45	145768	7.83	254381	9.25	195126	12.28	170890	13.87
5M64730.D	AC57242-001(	16912 A	5.43	75226 A	6.45	47779 A	7.83	90537 A	9.25	98970 A	12.28	98919 A	13.87
5M64731.D	AC57242-001	21712 A	5.43	87407 A	6.45	52130 A	7.83	100009 A	9.25	99107 A	12.28	101142	13.87
5M64732.D	AC57242-002	30226 A	5.43	129299 A	6.45	74919 A	7.83	140687 A	9.25	139645	12.28	130874	13.87
5M64733.D	AC57246-005	14347 A	5.43	66566 A	6.45	41224 A	7.83	82113 A	9.25	86596 A	12.27	91597 A	13.87
5M64734.D	AC57274-001	14827 A	5.43	66506 A	6.45	41821 A	7.83	82715 A	9.25	91453 A	12.28	97125 A	13.87
5M64735.D	AC57232-010	33958 A	5.43	144611 A	6.45	86340 A	7.83	159750	9.25	153831	12.28	151560	13.87
5M64736.D	AC57100-001(	23037 A	5.43	99649 A	6.45	63060 A	7.83	118702 A	9.25	116135	12.28	116067	13.87
5M64737.D	AC57100-003(	23570 A	5.43	103686 A	6.45	64161 A	7.83	120643 A	9.25	125553	12.27	131370	13.87
5M64738.D	AC57100-004(	23783 A	5.43	106212 A	6.45	63895 A	7.83	124628 A	9.25	126016	12.27	123936	13.87
5M64739.D	AC57100-005(	23622 A	5.43	98901 A	6.45	58744 A	7.83	105946 A	9.25	104814 A	12.27	106984	13.87
5M64740.D	EF-3 V-1014(	38028 A	5.43	162204	6.45	94339	7.83	173723	9.25	164406	12.28	155037	13.87
5M64741.D	EF-3 V-1014(	19630 A	5.43	88505 A	6.45	53268 A	7.83	103610 A	9.25	103315 A	12.27	106947	13.87
5M64742.D	EF-3 V-1014(	33039 A	5.43	138866 A	6.45	86512 A	7.83	159422	9.25	151700	12.28	144993	13.87
5M64743.D	EF-3 V-1014(	17554 A	5.43	77298 A	6.45	47888 A	7.83	92023 A	9.25	100416 A	12.27	102355	13.87
5M64754.D	AC57259-012	35595 A	5.43	154462	6.45	89286	7.83	165240	9.25	155695	12.27	147909	13.87

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32365.D Method: EPA 8270C

Analysis Date/Time: 02/17/11 08:52

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	85730	5.53	331118	6.54	177026	7.93	285751	9.35	238098	12.37	205939	13.97
Eval File Area Limit:	42865-171460		165559-662236		88513-354052		142876-571502		119049-476196		102970-411878	
Eval File Rt Limit:	5.03-6.03		6.04-7.04		7.43-8.43		8.85-9.85		11.87-12.87		13.47-14.47	

Data File	Sample											
9M32366.D	WMB4536	106445	5.53	417557	6.54	220861	7.93	359234	9.35	286893	12.37	247178	13.97
9M32367.D	WMB4538	96219	5.53	374361	6.54	198793	7.92	320799	9.35	258496	12.37	221864	13.96
9M32368.D	AC57232-010	96539	5.53	370770	6.54	195714	7.93	316342	9.35	256863	12.37	217894	13.97
9M32369.D	AC57100-001(	94109	5.53	369636	6.54	200531	7.92	319122	9.35	254744	12.37	216231	13.96
9M32370.D	AC57100-003(	97528	5.53	382071	6.54	204764	7.92	329415	9.35	264751	12.37	224285	13.96
9M32371.D	AC57100-004(	104187	5.53	406249	6.54	217804	7.92	355396	9.35	282329	12.37	239729	13.96
9M32372.D	AC57100-005(	99750	5.53	394652	6.54	213661	7.92	340118	9.35	272431	12.37	232697	13.96
9M32373.D	EF-3 V-1014(	97188	5.53	381584	6.54	203227	7.92	323262	9.35	256691	12.37	216697	13.96
9M32374.D	EF-3 V-1014(	99023	5.53	392202	6.54	210201	7.92	340222	9.35	266163	12.37	225772	13.96
9M32375.D	EF-3 V-1014(	99801	5.53	395441	6.54	210195	7.92	340542	9.35	270338	12.37	229177	13.96
9M32376.D	EF-3 V-1014(	97244	5.53	387655	6.54	205846	7.92	333408	9.35	264484	12.37	219830	13.96
9M32377.D	WMB4546	133227	5.53	530280	6.54	289694	7.92	472028	9.35	375060	12.37	320554	13.97
9M32378.D	WMB4536	106177	5.53	415205	6.54	221805	7.92	357462	9.35	281175	12.37	236480	13.96
9M32379.D	AC57241-003	94422	5.53	372709	6.54	199399	7.92	316368	9.35	246221	12.37	205191	13.96
9M32380.D	EF-SPLP V-1	91693	5.53	355718	6.54	189621	7.92	304268	9.35	243119	12.37	212165	13.96
9M32381.D	AC57120-001(	91786	5.53	348497	6.54	188120	7.92	300976	9.35	244817	12.37	209495	13.96
9M32382.D	AC57141-001(	113654	5.53	438049	6.54	242974	7.92	386213	9.35	314292	12.37	277489	13.97

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64792.D Method: EPA 8270C

Analysis Date/Time: 02/22/11 07:57

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	56591	5.42	219925	6.44	117222	7.82	195487	9.24	159000	12.26	135419	13.85
Eval File Area Limit:	28296-113182		109962-439850		58611-234444		97744-390974		79500-318000		67710-270838	
Eval File Rt Limit:	4.92-5.92		5.94-6.94		7.32-8.32		8.74-9.74		11.76-12.76		13.35-14.35	

Data File	Sample											
5M64793.D	WMB4565	61939	5.42	241009	6.44	131310	7.82	217850	9.23	176293	12.25	153715	13.85
5M64794.D	WMB4565(MS	64248	5.42	250635	6.44	134047	7.82	223736	9.23	174105	12.26	150475	13.85
5M64795.D	WMB4567(MS	72955	5.42	278920	6.44	152277	7.82	255184	9.23	203133	12.26	176577	13.85
5M64796.D	WMB4567	70761	5.42	270271	6.44	144156	7.81	258553	9.23	203359	12.25	173024	13.84
5M64798.D	AC57285-005(	73056	5.42	287323	6.44	151723	7.82	259311	9.23	205087	12.26	178269	13.85
5M64799.D	AC57285-005(	74296	5.42	290261	6.44	152170	7.82	261722	9.23	203911	12.26	181598	13.85
5M64804.D	WMB4569(MS	63905	5.42	247370	6.44	128094	7.82	218674	9.23	172390	12.26	148210	13.85
5M64805.D	WMB4569	55838	5.42	218225	6.44	116268	7.82	202264	9.23	160124	12.25	140677	13.84
5M64807.D	AC57306-003(	62564	5.42	249734	6.44	137462	7.82	223510	9.23	176021	12.26	148317	13.85
5M64808.D	AC57306-004(	64075	5.42	248176	6.44	134313	7.82	228252	9.23	175637	12.26	154245	13.85

I1 =	1.4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M19509.D Method: EPA 8270C

Analysis Date/Time: 02/22/11 08:56

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	71766	5.65	275965	6.66	150556	8.06	239636	9.50	208302	12.53	191464	14.12
Eval File Area Limit:	35883-143532		137982-551930		75278-301112		119818-479272		104151-416604		95732-382928	
Eval File Rt Limit:	5.15-6.15		6.16-7.16		7.56-8.56		9-10		12.03-13.03		13.62-14.62	

Data File	Sample											
10M19510.	WMB4565	94655	5.65	369018	6.66	207128	8.06	329578	9.50	290564	12.53	269517	14.13
10M19511.	AC57098-005(	70157	5.65	283867	6.66	157327	8.06	255976	9.50	232145	12.53	216506	14.12
10M19512.	AC57098-006(	68634	5.65	272337	6.66	146612	8.06	231481	9.50	205102	12.53	175792	14.12
10M19513.	AC57098-007(	69601	5.65	278368	6.66	81838	8.06	233085	9.50	160132	12.53	14336 A	14.12
10M19514.	AC57100-006(	76068	5.65	305292	6.66	114509	8.06	258877	9.50	214269	12.53	38863 A	14.12
10M19515.	AC57100-007(	75651	5.65	298953	6.66	161098	8.06	256677	9.49	229632	12.53	201607	14.12
10M19516.	AC57100-008(	73459	5.65	292322	6.66	162482	8.06	256753	9.49	237582	12.53	220570	14.12
10M19517.	EF-3 V-1014(	76683	5.65	301427	6.66	164878	8.06	262948	9.50	228299	12.53	200861	14.12
10M19518.	AC57100-006(	56325	5.65	229854	6.65	89776	8.06	195971	9.50	173076	12.53	36531 A	14.12
10M19519.	EF-3 V-1014(	70868	5.65	278262	6.65	152097	8.06	239748	9.50	208401	12.53	184157	14.12
10M19520.	EF-3 V-1014(	75554	5.65	296464	6.66	158477	8.06	259017	9.49	226377	12.53	156265	14.12
10M19521.	WMB4567	67051	5.65	266477	6.66	148683	8.06	237953	9.50	218241	12.53	197928	14.12

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64836.D Method: EPA 8270C

Analysis Date/Time: 02/24/11 09:54

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	68283	5.41	276061	6.43	148067	7.81	254300	9.23	205493	12.25	183432	13.84
Eval File Area Limit:	34142-136566		138030-552122		74034-296134		127150-508600		102746-410986		91716-366864	
Eval File Rt Limit:	4.91-5.91		5.93-6.93		7.31-8.309999		8.73-9.73		11.75-12.75		13.34-14.34	

Data File	Sample											
5M64837.D	WMB4585(MS	64363	5.41	240824	6.43	130573	7.81	219989	9.23	176818	12.25	155539	13.84
5M64838.D	WMB4585	68644	5.41	264527	6.43	147006	7.81	248334	9.23	199116	12.25	176051	13.84
5M64839.D	AC57098-010(	56561	5.41	217578	6.43	120797	7.81	199619	9.22	159737	12.25	137888	13.84
5M64840.D	AC57098-010(	63027	5.41	242915	6.43	129350	7.81	214515	9.23	168639	12.25	150252	13.84
5M64841.D	AC57098-010(	64324	5.41	244446	6.43	132780	7.81	219762	9.23	175946	12.25	151261	13.84
5M64842.D	AC57098-008(	67428	5.41	264259	6.43	144856	7.81	246115	9.23	189996	12.25	164647	13.84
5M64843.D	AC57098-009(	63486	5.41	240355	6.43	129104	7.81	213616	9.23	169443	12.25	148266	13.84
5M64844.D	AC57098-011(	65348	5.41	250440	6.43	139457	7.81	231876	9.23	187367	12.25	160353	13.84
5M64845.D	AC57100-011(	61536	5.41	242017	6.43	133936	7.81	229504	9.23	177520	12.25	152312	13.84
5M64846.D	WMB4595(MS	65342	5.41	259397	6.43	137869	7.81	230145	9.23	184612	12.25	159653	13.84
5M64847.D	WMB4595	72248	5.41	275241	6.43	149270	7.81	256696	9.23	203115	12.25	179481	13.84
5M64848.D	AC57252-002(	72188	5.41	287176	6.43	151523	7.81	253579	9.23	202359	12.25	173488	13.84
5M64849.D	AC57100-012(	65412	5.41	250677	6.43	137442	7.81	233983	9.23	181182	12.25	159169	13.84
5M64850.D	EF-3 V-1014(	64446	5.41	252749	6.43	135678	7.81	226348	9.23	177752	12.25	150678	13.84
5M64851.D	EF-3 V-1014(	69398	5.41	268421	6.43	147791	7.81	244299	9.23	190852	12.25	163707	13.84
5M64852.D	EF-3 V-1014(	61477	5.41	235579	6.43	127603	7.81	218872	9.22	170415	12.25	146397	13.84
5M64853.D	EF-3 V-1014(	61301	5.41	239100	6.43	129361	7.81	217255	9.23	168186	12.25	141449	13.84
5M64854.D	AC57263-001(	72215	5.41	279290	6.43	147644	7.81	245439	9.23	192083	12.25	161512	13.84
5M64855.D	AC57263-001(	72496	5.41	278760	6.43	152024	7.81	246606	9.23	190577	12.25	170740	13.84
5M64856.D	AC57263-001(	75341	5.41	291765	6.44	151689	7.81	259260	9.23	205071	12.25	177018	13.84
5M64857.D	AC57382-002(	65567	5.41	252285	6.43	139244	7.81	235257	9.23	185736	12.25	160312	13.84
5M64858.D	AC57228-003(	69094	5.41	267811	6.43	144150	7.81	239906	9.23	193007	12.25	165750	13.84
5M64859.D	AC57212-002(	68942	5.41	266889	6.43	145349	7.81	237612	9.23	184254	12.25	159305	13.84
5M64860.D	EF-SPLP V-1	74520	5.41	290194	6.43	157751	7.81	269742	9.23	212809	12.25	181637	13.84
5M64861.D	EF-1 V-10853	79652	5.41	310928	6.43	169726	7.81	276356	9.23	216048	12.25	183975	13.84

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32490.D Method: EPA 8270C

Analysis Date/Time: 02/28/11 10:32

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	84643	5.51	326705	6.53	174625	7.92	285496	9.33	242975	12.36	209380	13.96
Eval File Area Limit:	42322-169286		163352-653410		87312-349250		142748-570992		121488-485950		104690-418760	
Eval File Rt Limit:	5.01-6.01		6.03-7.03		7.42-8.42		8.83-9.83		11.86-12.86		13.46-14.46	

Data File	Sample											
9M32490.D	CAL BNA@5C	84643	5.51	326705	6.53	174625	7.92	285496	9.33	242975	12.36	209380	13.96
9M32491.D	CAL BNA@2F	89121	5.50	365556	6.53	201270	7.91	320165	9.32	256429	12.35	211399	13.95
9M32492.D	CAL BNA@.5	87187	5.51	347494	6.53	191190	7.91	306969	9.32	243314	12.35	202498	13.94
9M32493.D	CAL BNA@1C	84339	5.51	338102	6.53	180917	7.91	291748	9.32	244874	12.35	204685	13.94
9M32494.D	CAL BNA@2C	91454	5.51	363438	6.53	194166	7.91	314185	9.33	252099	12.35	208040	13.95
9M32495.D	CAL BNA@8C	87286	5.51	339127	6.53	183034	7.91	299035	9.33	243189	12.36	206143	13.95
9M32496.D	CAL BNA@12	88544	5.51	353639	6.53	192144	7.91	314416	9.33	239648	12.36	200196	13.95
9M32497.D	CAL BNA@16	88371	5.51	347775	6.53	192834	7.92	312030	9.34	242269	12.37	199175	13.96
9M32498.D	CAL BNA@19	91246	5.51	367795	6.53	199088	7.92	319949	9.33	245754	12.37	204273	13.96
9M32500.D	ICV BNA@50	98428	5.51	388261	6.53	205160	7.91	329858	9.33	263348	12.35	213071	13.95
9M32501.D	TEST	92314	5.51	355344	6.53	194490	7.91	322110	9.33	258169	12.36	215634	13.95
9M32502.D	SMB4591	83407	5.51	329020	6.52	170760	7.91	272189	9.32	200580	12.35	156705	13.94
9M32503.D	AC57463-012	89251	5.51	361765	6.52	188177	7.91	278997	9.32	194437	12.35	166255	13.94
9M32504.D	AC57463-013	88241	5.51	351782	6.53	185800	7.91	286597	9.32	205829	12.35	171148	13.94
9M32505.D	AC57459-001	82795	5.51	334873	6.53	183044	7.91	286293	9.33	199755	12.36	173735	13.95
9M32506.D	AC57459-002	86562	5.51	349086	6.53	190376	7.91	295274	9.33	209308	12.35	180411	13.95
9M32507.D	AC57459-003	87079	5.51	347089	6.53	183510	7.91	280045	9.33	198052	12.36	171621	13.95
9M32508.D	AC57459-004	90777	5.51	361816	6.53	189390	7.91	289302	9.33	204906	12.35	178243	13.95
9M32509.D	AC57463-005	95689	5.51	397962	6.53	218410	7.91	317343	9.33	202432	12.35	171415	13.95
9M32510.D	AC57463-006	84435	5.51	335574	6.53	176854	7.91	270181	9.33	194970	12.35	163395	13.95
9M32511.D	AC57359-002	91866	5.51	347321	6.53	233972	7.94	354733	9.37	222460	12.36	185714	13.95
9M32512.D	AC57328-004	83277	5.51	333107	6.53	176607	7.91	263879	9.33	191622	12.35	170026	13.95

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M32514.D Method: EPA 8270C

Analysis Date/Time: 03/01/11 09:41

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	87868	5.50	348355	6.52	188831	7.91	310460	9.32	259316	12.35	223079	13.94
Eval File Area Limit:	43934-175736		174178-696710		94416-377662		155230-620920		129658-518632		111540-446158	
Eval File Rt Limit:	5-6		6.02-7.02		7.41-8.41		8.82-9.82		11.85-12.85		13.44-14.44	

Data File	Sample											
9M32515.D	WMB4624(MS	88044	5.50	341787	6.53	188691	7.91	308599	9.32	241322	12.35	200889	13.94
9M32516.D	WMB4624	73252	5.50	291771	6.52	159424	7.90	260723	9.32	213028	12.34	191004	13.94
9M32517.D	WMB4616	126462	5.50	506427	6.52	279816	7.90	461315	9.32	377473	12.34	322462	13.94
9M32518.D	WMB4616(MS	92872	5.50	362762	6.53	198555	7.90	323796	9.32	255449	12.35	212602	13.94
9M32520.D	AC57433-002(	90266	5.50	351844	6.53	194135	7.90	318363	9.32	254055	12.35	211396	13.94
9M32521.D	AC57433-002(	94468	5.50	365039	6.53	200693	7.90	326743	9.32	256294	12.35	211916	13.95
9M32522.D	WMB4625(MS	88463	5.50	343989	6.52	187941	7.90	304774	9.32	249349	12.35	210498	13.94
9M32523.D	WMB4625	101790	5.50	413743	6.52	229300	7.90	383008	9.32	326298	12.34	286121	13.94
9M32524.D	AC57446-005	82446	5.50	311521	6.52	166553	7.90	258378	9.32	221566	12.35	188394	13.94
9M32525.D	AC57446-007	106588	5.50	413056	6.53	242667	7.90	385578	9.32	307325	12.35	254290	13.94
9M32526.D	AC57446-016	114045	5.50	419921	6.53	245128	7.90	389972	9.32	318246	12.35	266634	13.94
9M32527.D	AC57446-018	75359	5.53	285223	6.56	163184	7.91	259977	9.33	216731	12.36	180854	13.94
9M32528.D	AC57359-002(	92634	5.50	344601	6.52	191378	7.91	301643	9.33	265683	12.34	234896	13.94
9M32529.D	AC57446-001	93938	5.50	376880	6.52	212521	7.90	352534	9.32	304242	12.34	260881	13.94
9M32530.D	AC57446-001(	84534	5.50	326910	6.52	181280	7.90	296786	9.32	236869	12.35	195555	13.94
9M32531.D	AC57487-031(	92580	5.50	366319	6.52	185664	7.90	283936	9.32	218643	12.35	191251	13.95
9M32532.D	SMB4620(MS.	123745	5.50	456240	6.52	227365	7.90	321320	9.32	208352	12.34	185310	13.94
9M32533.D	SMB4620	106309	5.50	402814	6.52	198411	7.90	281491	9.32	187335	12.34	162712	13.93
9M32534.D	AC57446-001(	103520	5.50	420854	6.52	244204	7.91	399894	9.32	294936	12.36	246179	13.95
9M32535.D	AC57487-031(	95892	5.50	371487	6.52	185735	7.90	287713	9.32	220806	12.35	192353	13.95
9M32536.D	AC57487-031(	95431	5.50	367473	6.52	186390	7.90	286058	9.32	218693	12.35	195538	13.95
9M32537.D	AC57487-009	98180	5.50	388855	6.52	206503	7.90	318106	9.32	224140	12.35	191795	13.94
9M32538.D	AC57487-015	94512	5.50	376701	6.52	196638	7.90	299092	9.32	210331	12.34	179208	13.94
9M32539.D	AC57487-017	93283	5.50	367967	6.52	190494	7.90	286421	9.33	210956	12.36	188162	13.96
9M32540.D	AC57446-007(	96173	5.50	373440	6.52	204676	7.90	320439	9.32	232338	12.35	194838	13.94
9M32541.D	AC57446-016(	91864	5.50	365725	6.52	196031	7.90	309646	9.32	228742	12.34	189853	13.94
9M32542.D	AC57446-018(	151563	5.50	616260	6.52	359448	7.90	577626	9.32	424379	12.35	347365	13.94

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64933.D Method: EPA 8270C

Analysis Date/Time: 03/01/11 09:38

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	87123	5.41	335391	6.43	177237	7.81	294085	9.22	237819	12.24	204875	13.83
Eval File Area Limit:	43562-174246		167696-670782		88618-354474		147042-588170		118910-475638		102438-409750	
Eval File Rt Limit:	4.91-5.91		5.93-6.93		7.31-8.309999		8.72-9.72		11.74-12.74		13.33-14.33	

Data File	Sample											
5M64934.D	WMB4624	68474	5.41	260107	6.43	141733	7.80	233320	9.22	183682	12.24	161255	13.83
5M64935.D	AC57098-012(	70298	5.41	279936	6.43	154655	7.80	253459	9.22	197886	12.24	171086	13.83
5M64936.D	AC57098-013(	78803	5.41	300072	6.43	160140	7.80	268681	9.22	209557	12.24	178408	13.83
5M64937.D	AC57098-014(	72707	5.41	282572	6.43	149562	7.80	250296	9.22	194737	12.24	167090	13.83
5M64938.D	AC57098-015(	71393	5.41	273185	6.43	145927	7.80	247966	9.22	191145	12.24	160952	13.83
5M64939.D	AC57100-013(	69598	5.41	268842	6.43	143978	7.80	242104	9.22	180188	12.24	149838	13.83
5M64940.D	AC57100-014(	67263	5.41	253802	6.43	138596	7.80	226603	9.22	179651	12.24	144898	13.83
5M64941.D	AC57100-015(	66897	5.41	265424	6.43	140159	7.80	240705	9.22	184335	12.24	157138	13.83
5M64942.D	AC57100-016(	70222	5.41	264858	6.43	137558	7.80	233872	9.22	177741	12.24	151115	13.83
5M64943.D	AC57330-003(	88457	5.41	339884	6.43	178938	7.80	309451	9.22	237388	12.24	201634	13.83
5M64944.D	EF-2 V-10914	78697	5.41	301388	6.43	153515	7.80	261186	9.22	201326	12.24	166875	13.83
5M64945.D	EF-3 V-1014(	70744	5.41	271738	6.43	149611	7.80	254520	9.22	194453	12.24	164852	13.83
5M64946.D	EF-3 V-1014(	71879	5.41	269209	6.43	140102	7.80	237602	9.22	181207	12.24	152937	13.83
5M64947.D	EF-3 V-1014(	70548	5.41	273691	6.43	148236	7.80	250914	9.22	190641	12.24	159510	13.83
5M64948.D	EF-3 V-1014(	62715	5.41	235154	6.43	122143	7.80	204032	9.22	150476	12.24	129721	13.83
5M64949.D	WMB4625	70007	5.41	270509	6.43	141874	7.80	239698	9.22	186973	12.24	159772	13.83
5M64950.D	SMB4620	77457	5.41	306584	6.43	159426	7.80	257802	9.22	185588	12.24	149189	13.83
5M64951.D	AC57446-009	65653	5.41	255532	6.43	132856	7.80	228713	9.22	173229	12.24	149756	13.83
5M64952.D	AC57446-011	70669	5.41	273802	6.43	144778	7.80	246809	9.22	188069	12.24	161351	13.83
5M64953.D	AC57446-013	67932	5.41	258564	6.43	134944	7.80	227280	9.22	169864	12.24	141915	13.83
5M64954.D	AC57446-020	75175	5.41	284300	6.43	149066	7.80	249387	9.22	194950	12.24	162530	13.83
5M64955.D	AC57446-003	71728	5.41	281058	6.43	147577	7.80	247236	9.22	191975	12.24	158120	13.83
5M64956.D	AC57487-011	95576	5.41	366257	6.43	183524	7.80	310362	9.22	217548	12.24	177076	13.83
5M64957.D	AC57487-013	97766	5.41	381241	6.43	194423	7.80	306988	9.22	228887	12.24	186829	13.83
5M64958.D	AC57487-003	87255	5.41	322337	6.43	168998	7.80	277307	9.22	198361	12.24	157944	13.83
5M64959.D	AC57487-007	87870	5.41	332889	6.43	175244	7.80	286359	9.22	211965	12.24	175789	13.83
5M64960.D	TEST-1	80467	5.41	298972	6.43	159847	7.80	270404	9.22	205831	12.24	175627	13.83
5M64961.D	TEST-2(G)	74759	5.41	289742	6.43	149546	7.80	251853	9.22	192381	12.24	158469	13.83

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M19638.D Method: EPA 8270C

Analysis Date/Time: 03/02/11 14:04

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	95325	5.64	381638	6.65	214465	8.05	345071	9.49	307913	12.52	279142	14.12
Eval File Area Limit:	47662-190650		190819-763276		107232-428930		172536-690142		153956-615826		139571-558284	
Eval File Rt Limit:	5.14-6.14		6.15-7.15		7.55-8.55		8.99-9.99		12.02-13.02		13.62-14.62	

Data File	Sample											
10M19638.	CAL BNA@5C	95325	5.64	381638	6.65	214465	8.05	345071	9.49	307913	12.52	279142	14.12
10M19639.	CAL BNA@2F	90348	5.64	372040	6.65	217429	8.05	350368	9.48	316523	12.52	290738	14.11
10M19640.	CAL BNA@.5	94757	5.64	387214	6.65	229064	8.05	381696	9.48	330208	12.51	293473	14.11
10M19641.	CAL BNA@1C	92752	5.64	378480	6.65	221120	8.05	347961	9.48	318432	12.52	279946	14.11
10M19642.	CAL BNA@2C	103561	5.64	433920	6.65	246110	8.05	400329	9.48	344035	12.52	311900	14.11
10M19643.	CAL BNA@8C	98686	5.64	402568	6.65	230737	8.05	372828	9.49	309915	12.52	285279	14.12
10M19644.	CAL BNA@12	89707	5.64	351252	6.65	196629	8.05	320733	9.49	260993	12.52	246670	14.12
10M19645.	CAL BNA@16	87799	5.64	353874	6.65	201011	8.06	326848	9.49	264434	12.53	246721	14.12
10M19646.	CAL BNA@19	83815	5.64	337663	6.65	192323	8.06	318768	9.49	246090	12.53	231986	14.12
10M19647.	ICV BNA@50	81377	5.64	330185	6.65	183294	8.05	297804	9.49	258928	12.52	229129	14.11
10M19648.	SMB4620	107993	5.64	421465	6.65	239793	8.05	387912	9.48	339476	12.52	293074	14.11
10M19649.	WMB4634	85922	5.64	359310	6.65	211275	8.05	337145	9.48	305582	12.51	277102	14.11
10M19650.	AC57417-002	89065	5.64	364514	6.65	216154	8.05	341767	9.48	301200	12.51	259860	14.11
10M19651.	AC57417-005	87271	5.64	356332	6.65	206669	8.05	336407	9.48	282928	12.51	245905	14.11
10M19652.	AC57445-002	89346	5.64	356809	6.65	210141	8.05	333271	9.48	291324	12.52	250582	14.11
10M19653.	AC57445-006	86904	5.64	365657	6.65	208255	8.05	328367	9.48	286271	12.51	248621	14.11
10M19654.	AC57481-002	92242	5.64	364946	6.65	217954	8.05	345346	9.48	296689	12.51	252565	14.11
10M19655.	AC57481-003	89037	5.64	376619	6.65	219347	8.05	342845	9.48	285482	12.51	244123	14.11
10M19656.	AC57481-006	90992	5.64	364678	6.65	207160	8.05	322463	9.48	266589	12.51	229337	14.11
10M19657.	AC57494-002	98133	5.64	399705	6.65	228600	8.05	357198	9.48	292407	12.51	249683	14.11
10M19658.	AC57494-005	92267	5.64	379449	6.65	219431	8.05	343319	9.48	289674	12.51	255383	14.11

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10
I2 =	Naphthalene-d8	I5 =	Chrysene-d12
I3 =	Acenaphthene-d10	I6 =	Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M64989.D Method: EPA 8270C

Analysis Date/Time: 03/03/11 13:27

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	75445	5.40	288355	6.42	147600	7.80	234955	9.21	186581	12.24	156713	13.82
Eval File Area Limit:	37722-150890		144178-576710		73800-295200		117478-469910		93290-373162		78356-313426	
Eval File Rt Limit:	4.9-5.9		5.92-6.92		7.3-8.3		8.71-9.71		11.74-12.74		13.32-14.32	

Data File	Sample											
5M64982.D	CAL BNA@.5	69507	5.40	265337	6.42	136312	7.80	222396	9.21	167980	12.23	142754	13.82
5M64984.D	CAL BNA@2C	81569	5.40	311230	6.42	160204	7.80	267238	9.21	202075	12.23	170067	13.82
5M64985.D	CAL BNA@8C	72857	5.40	274280	6.43	139870	7.80	228939	9.22	177210	12.24	146344	13.83
5M64986.D	CAL BNA@12	78894	5.40	298282	6.43	159006	7.80	258449	9.22	195177	12.24	164212	13.83
5M64987.D	CAL BNA@16	69474	5.40	263823	6.43	141173	7.80	224135	9.22	169891	12.24	149386	13.83
5M64988.D	CAL BNA@19	72911	5.40	282878	6.43	147603	7.80	239246	9.22	176327	12.24	152717	13.83
5M64989.D	CAL BNA@5C	75445	5.40	288355	6.42	147600	7.80	234955	9.21	186581	12.24	156713	13.82
5M64990.D	CAL BNA@2F	79558	5.40	293607	6.43	151684	7.80	256596	9.22	197092	12.24	161758	13.83
5M64991.D	CAL BNA@1C	69250	5.40	271997	6.42	138854	7.80	227735	9.21	179845	12.23	150916	13.83
5M64992.D	ICV BNA@50	74901	5.40	278887	6.43	147704	7.80	237024	9.22	183794	12.24	150783	13.83

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M19709.D Method: EPA 8270C

Analysis Date/Time: 03/04/11 10:20

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	83535	5.63	333235	6.64	183558	8.05	286763	9.48	251737	12.51	230191	14.11
Eval File Area Limit:	41768-167070		166618-666470		91779-367116		143382-573526		125868-503474		115096-460382	
Eval File Rt Limit:	5.13-6.13		6.14-7.14		7.55-8.55		8.98-9.98		12.01-13.01		13.61-14.61	

Data File	Sample												
10M19710.	WMB4656	84893	5.63	346750	6.64	195541	8.04	314133	9.48	288795	12.51	270679	14.10
10M19711.	WMB4657	72029	5.63	302372	6.64	169129	8.04	274722	9.48	252950	12.51	233005	14.10
10M19712.	AC57490-006(	90740	5.63	340004	6.64	168625	8.05	265880	9.48	236158	12.51	206424	14.11
10M19713.	AC57098-016(	82649	5.63	321829	6.64	179685	8.04	285171	9.48	256312	12.51	231030	14.10
10M19714.	AC57098-017(	79841	5.63	319682	6.64	174217	8.04	265781	9.48	228624	12.51	197950	14.10
10M19715.	AC57098-018(	91318	5.63	375831	6.64	211550	8.04	338343	9.48	306353	12.51	268057	14.10
10M19716.	WMB4661(MS	79392	5.63	302015	6.64	169964	8.05	269098	9.48	219560	12.51	204801	14.11
10M19717.	WMB4661	77496	5.63	302531	6.64	161557	8.04	251036	9.48	218944	12.51	193405	14.10
10M19718.	AC57098-019(	75142	5.63	303093	6.64	164990	8.04	261892	9.48	233960	12.51	201232	14.10
10M19719.	AC57098-020(	111697	5.63	455021	6.64	260094	8.04	430938	9.48	384869	12.51	314584	14.10
10M19721.	AC57542-003(	83147	5.63	326003	6.64	175588	8.05	274336	9.48	221835	12.51	189599	14.10
10M19722.	AC57542-003(	73023	5.63	286270	6.64	160856	8.05	253153	9.48	198784	12.51	164036	14.10
10M19723.	AC57100-017(	73885	5.63	303686	6.64	167200	8.04	273099	9.48	250500	12.51	216613	14.10
10M19724.	AC57100-018(	84843	5.63	332638	6.64	181352	8.04	289901	9.48	239592	12.51	205380	14.10
10M19725.	AC57100-019(	84655	5.63	324788	6.64	180328	8.04	272525	9.48	227592	12.51	194541	14.10
10M19726.	AC57100-020(	84717	5.63	332213	6.64	183489	8.04	286049	9.48	239979	12.51	200097	14.10
10M19727.	AC57100-021(	69976	5.63	281409	6.64	156903	8.04	250260	9.48	229545	12.51	190205	14.10
10M19728.	EF-3 V-1014(	85763	5.63	339210	6.64	190238	8.04	291230	9.48	244963	12.51	198310	14.10
10M19729.	EF-3 V-1014(	73014	5.63	278740	6.64	149077	8.04	227627	9.48	183497	12.51	157578	14.10
10M19730.	EF-3 V-1014(	69856	5.63	289732	6.64	157719	8.04	260346	9.48	229920	12.51	188434	14.10
10M19731.	EF-3 V-1014(	72452	5.63	297049	6.64	162813	8.04	254585	9.48	209273	12.51	160958	14.10
10M19732.	EF-3 V-1014(	75089	5.63	308444	6.64	171098	8.04	273826	9.48	237019	12.51	188024	14.10
10M19733.	EF-SPLP V-1	64474	5.63	270008	6.64	148982	8.04	232760	9.48	199815	12.51	158588	14.10
10M19734.	AC57497-012	61300	5.63	241550	6.64	133064	8.04	208457	9.48	172108	12.51	135681	14.10
10M19735.	AC57342-002(	75913	5.63	301137	6.64	166502	8.04	256060	9.48	204781	12.51	170872	14.10
10M19736.	AC57341-003(	76311	5.63	307575	6.64	156611	8.04	239227	9.48	223851	12.51	184456	14.10

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M65030.D Method: EPA 8270C

Analysis Date/Time: 03/04/11 10:17

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	77279	5.40	289878	6.42	157346	7.80	271742	9.21	221464	12.24	198402	13.83
Eval File Area Limit:	38640-154558		144939-579756		78673-314692		135871-543484		110732-442928		99201-396804	
Eval File Rt Limit:	4.9-5.9		5.92-6.92		7.3-8.3		8.71-9.71		11.74-12.74		13.33-14.33	

Data File	Sample											
5M65031.D	WMB4657(MS	70435	5.40	280083	6.43	153883	7.80	262774	9.21	211233	12.24	190453	13.83
5M65032.D	WMB4657	66207	5.40	249837	6.42	139590	7.80	245794	9.21	206380	12.23	186243	13.83
5M65033.D	SMB4643	71777	5.40	274456	6.42	148617	7.80	255417	9.21	198373	12.23	181074	13.83
5M65034.D	AC57497-004	72863	5.40	287179	6.42	157729	7.80	265578	9.21	203199	12.23	177392	13.83
5M65035.D	WMB4657(MS	79545	5.40	310429	6.42	173321	7.80	299455	9.21	235736	12.24	203818	13.83
5M65036.D	AC57497-014	73639	5.40	282962	6.42	152760	7.80	251840	9.21	187312	12.24	170032	13.83
5M65037.D	AC57497-013(	76927	5.40	299784	6.42	161304	7.80	265271	9.21	198866	12.23	176236	13.83
5M65038.D	SMB4662(MS.	79857	5.40	306344	6.42	167423	7.80	271025	9.21	207947	12.23	185546	13.83
5M65039.D	SMB4662	73385	5.40	289410	6.42	155769	7.80	259703	9.21	198126	12.23	181047	13.83
5M65040.D	AC57526-001	67256	5.40	265696	6.42	143076	7.80	238223	9.21	179292	12.23	155486	13.82
5M65041.D	AC57526-002	68768	5.40	261377	6.42	144570	7.80	231664	9.21	183890	12.23	164455	13.82
5M65042.D	AC57526-003	69982	5.40	275312	6.42	151478	7.80	247840	9.21	185327	12.23	163626	13.82
5M65043.D	AC57526-004	69743	5.40	276308	6.42	148869	7.80	241442	9.21	184716	12.23	167308	13.82
5M65044.D	AC57526-005	71027	5.40	279234	6.42	152192	7.80	252150	9.21	191100	12.23	174506	13.82
5M65045.D	AC57526-006	87113	5.40	323261	6.42	165334	7.80	251668	9.21	168765	12.23	156808	13.82
5M65046.D	AC57526-007	69301	5.40	274127	6.42	147472	7.80	244223	9.21	191921	12.23	167606	13.82
5M65047.D	AC57497-006(	69914	5.40	272297	6.42	150358	7.80	243313	9.21	181905	12.23	170170	13.83
5M65048.D	AC57507-005(	77689	5.40	303069	6.42	165991	7.80	272136	9.21	201520	12.23	188604	13.83
5M65049.D	AC57391-012(	79147	5.40	259826	6.42	161126	7.80	259086	9.21	202214	12.23	184281	13.82
5M65050.D	AC57500-001(	83100	5.40	321244	6.42	174616	7.80	282004	9.21	210820	12.23	194411	13.83
5M65051.D	AC57527-001	69461	5.40	278137	6.42	146015	7.80	243093	9.21	186886	12.23	165865	13.82
5M65052.D	WMB4661	71180	5.40	282663	6.42	150237	7.80	248529	9.21	190396	12.23	170181	13.82
5M65053.D	AC57481-006(	69931	5.40	272688	6.42	143325	7.80	242062	9.21	181100	12.23	164771	13.82
5M65054.D	AC57417-002(	71211	5.40	274432	6.42	149439	7.80	248383	9.21	187528	12.23	169516	13.82
5M65055.D	AC57494-002(	68666	5.40	274638	6.42	151965	7.80	248117	9.21	184326	12.23	164913	13.82
5M65056.D	AC57527-002	79026	5.40	295477	6.42	162251	7.80	270943	9.21	199064	12.23	180221	13.83
5M65057.D	AC57527-003	80579	5.40	308682	6.42	165614	7.80	270826	9.21	204297	12.23	185124	13.83
5M65058.D	AC57527-004	78738	5.40	306897	6.42	165854	7.80	280454	9.21	206403	12.23	185884	13.83
5M65059.D	AC57527-005	74013	5.40	280358	6.42	149884	7.80	245172	9.21	189270	12.23	171795	13.82

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

SPLP
GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-001(T)
Client Id: ISSS6 large monolith (1st)
Data File: 9M32369.D
Analysis Date: 02/17/11 10:28
Date Rec/Extracted: 02/03/11-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**24**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**3.7**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**92**
83-32-9	**Acenaphthene**	**0.21**	**9.7**	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	**85-01-8**	**Phenanthrene**	**0.15**	**7.9**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

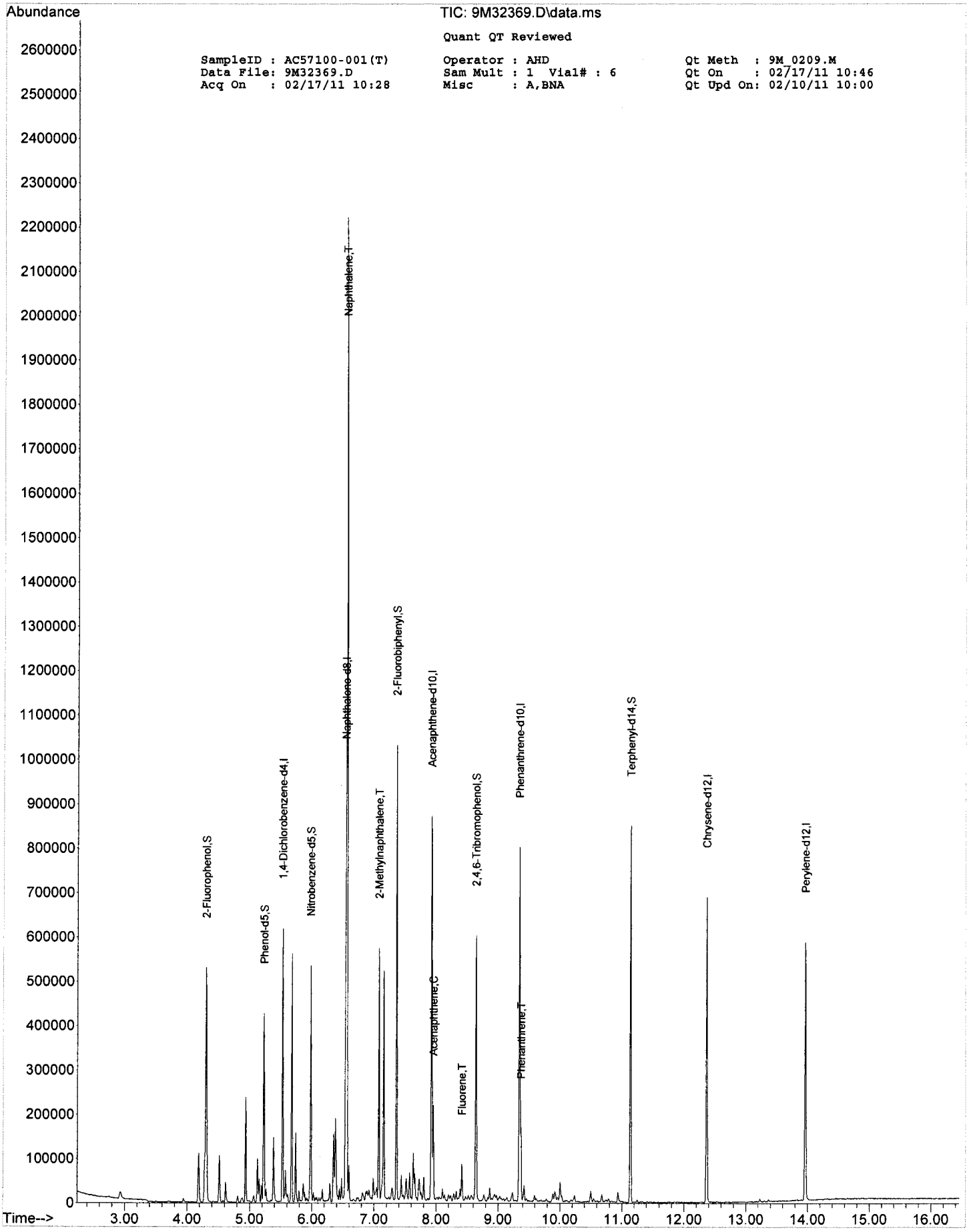
Quantitation Report (QT Reviewed)

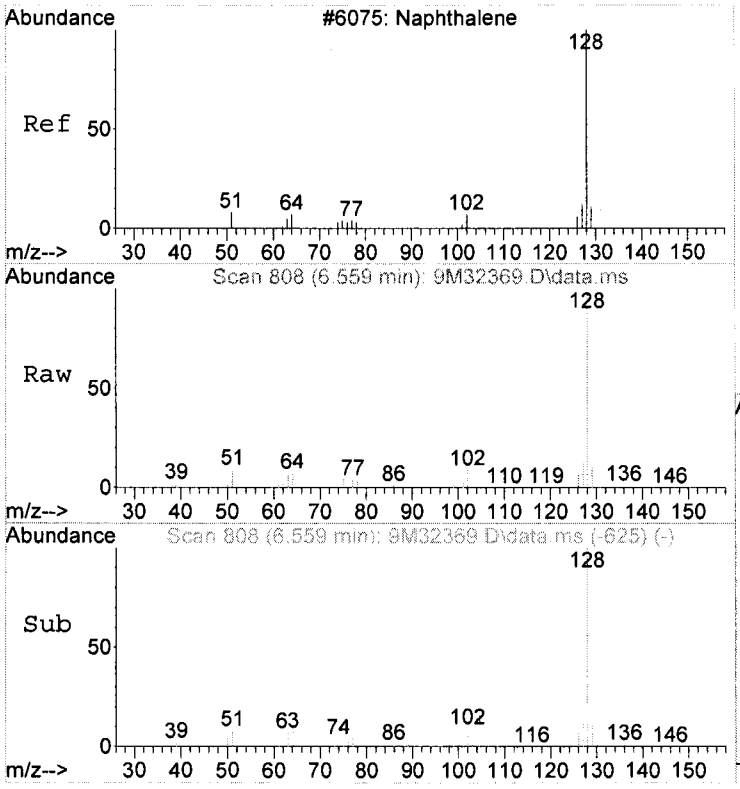
SampleID : AC57100-001(T) Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32369.D Sam Mult : 1 Vial# : 6 Qt On : 02/17/11 10:46
Acq On : 02/17/11 10:28 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	94109	40.00	ng	-0.03
29) Naphthalene-d8	6.543	136	369636	40.00	ng	-0.04
47) Acenaphthene-d10	7.923	164	200531	40.00	ng	-0.05
74) Phenanthrene-d10	9.345	188	319122	40.00	ng	-0.05
88) Chrysene-d12	12.367	240	254744	40.00	ng	-0.05
100) Perylene-d12	13.961	264	216231	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.302	112	186036	60.75	ng	-0.02
Spiked Amount 100.000			Recovery = 60.75%			
15) Phenol-d5	5.227	99	167495	38.90	ng	-0.02
Spiked Amount 100.000			Recovery = 38.90%			
30) Nitrobenzene-d5	5.981	128	77233	50.07	ng	-0.04
Spiked Amount 50.000			Recovery = 100.14%			
52) 2-Fluorobiphenyl	7.361	172	293917	46.20	ng	-0.04
Spiked Amount 50.000			Recovery = 92.40%			
77) 2,4,6-Tribromophenol	8.645	330	41998	97.08	ng	-0.04
Spiked Amount 100.000			Recovery = 97.08%			
91) Terphenyl-d14	11.142	244	263702	51.26	ng	-0.05
Spiked Amount 50.000			Recovery = 102.52%			
Target Compounds						Qvalue
39) Naphthalene	6.559	128	934219	92.20	ng	99
44) 2-Methylnaphthalene	7.077	142	154001	24.19	ng	99
62) Acenaphthene	7.955	153	58017	9.73	ng	96
69) Fluorene	8.415	166	24811	3.72	ng	99
83) Phenanthrene	9.372	178	68377	7.86	ng	97

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

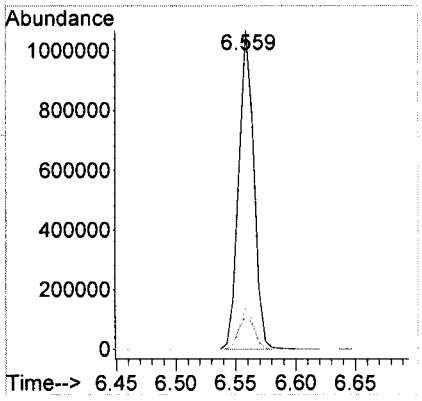

Abundance
TIC: 9M32369.D\data.ms
Quant QT Reviewed
SampleID : AC57100-001(T)
Data File: 9M32369.D
Acq On : 02/17/11 10:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/17/11 10:46
Qt Upd On: 02/10/11 10:00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

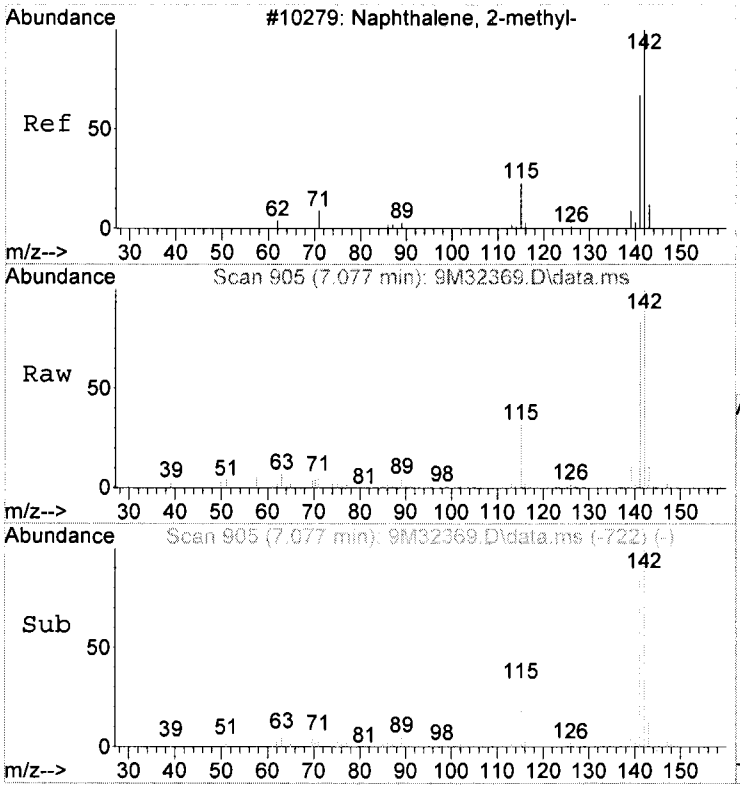


#39
Naphthalene
Concen: 92.20 ng
RT: 6.559 min Scan# 808
Delta R.T. -0.037 min
Lab File: 9M32369.D
Acq: 17 Feb 2011 10:28

Tgt Ion:128 Resp: 934219

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	50.9
127	12.7	0.0	52.4

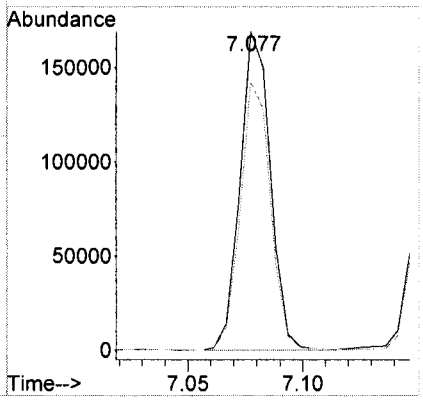


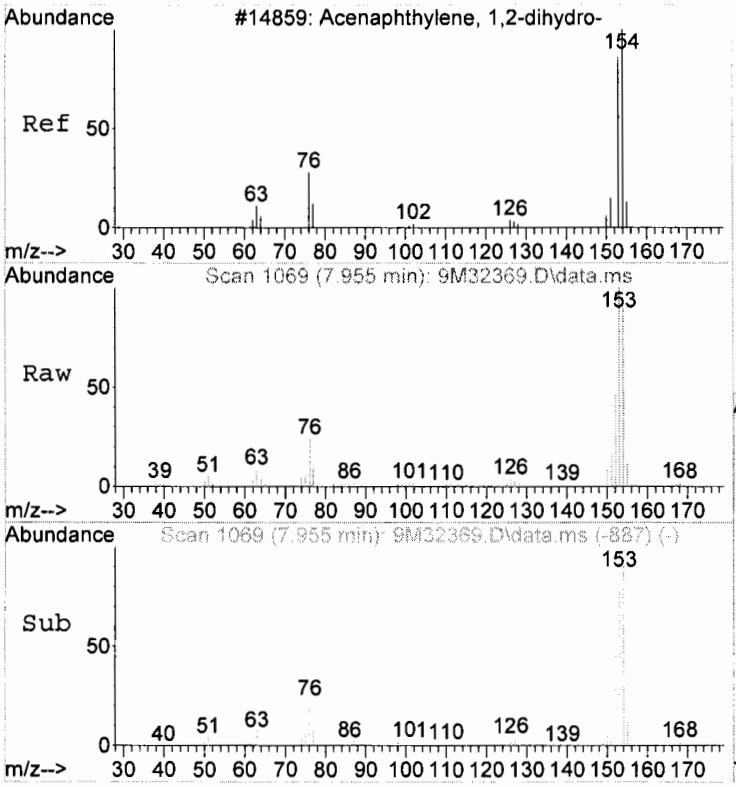


#44
2-Methylnaphthalene
Concen: 24.19 ng
RT: 7.077 min Scan# 905
Delta R.T. -0.037 min
Lab File: 9M32369.D
Acq: 17 Feb 2011 10:28

Tgt Ion:142 Resp: 154001

Ion	Ratio	Lower	Upper
142	100		
141	84.1	44.6	124.6

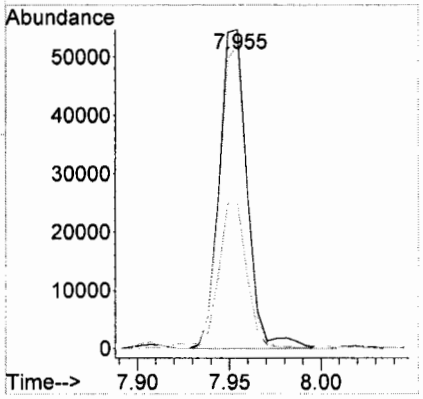


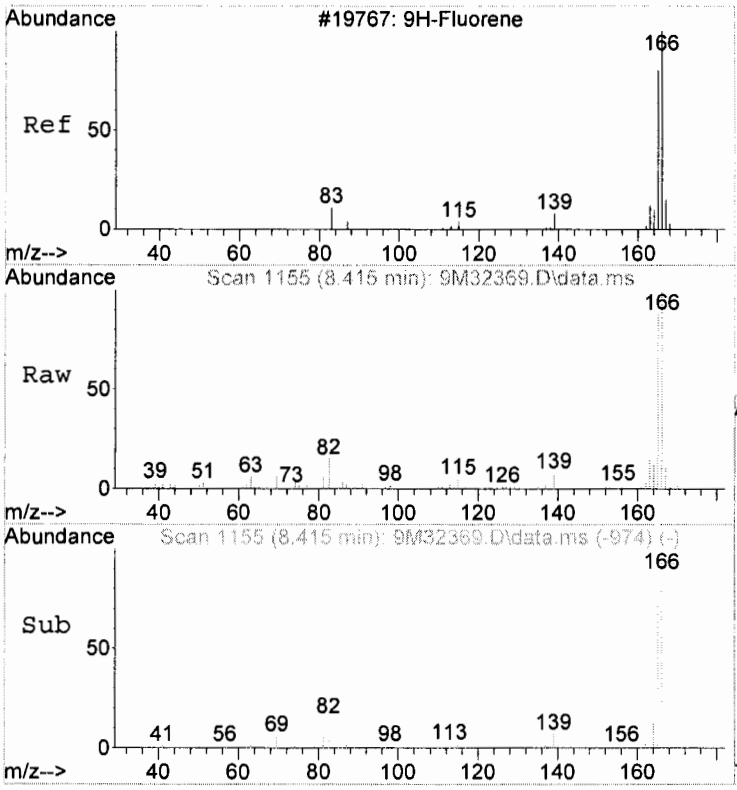


#62
Acenaphthene
Concen: 9.73 ng
RT: 7.955 min Scan# 1069
Delta R.T. -0.043 min
Lab File: 9M32369.D
Acq: 17 Feb 2011 10:28

Tgt Ion:153 Resp: 58017

Ion	Ratio	Lower	Upper
153	100		
152	45.9	10.0	90.0
154	94.9	57.5	137.5

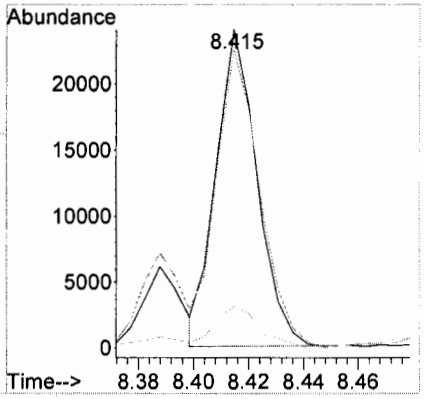


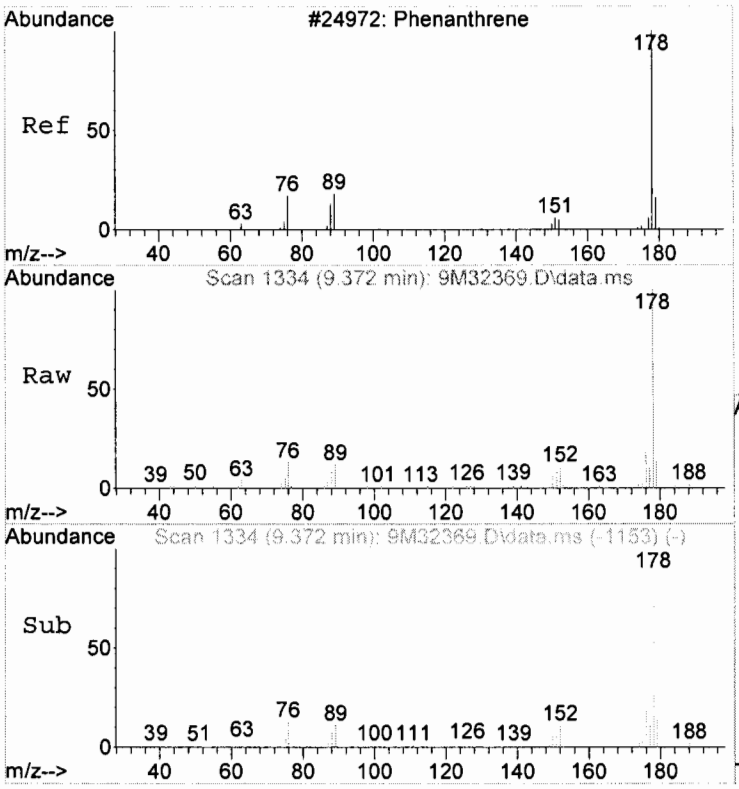


#69
Fluorene
Concen: 3.72 ng
RT: 8.415 min Scan# 1155
Delta R.T. -0.048 min
Lab File: 9M32369.D
Acq: 17 Feb 2011 10:28

Tgt Ion:166 Resp: 24811

Ion	Ratio	Lower	Upper
166	100		
165	93.8	0.0	292.6
167	12.4	0.0	213.2

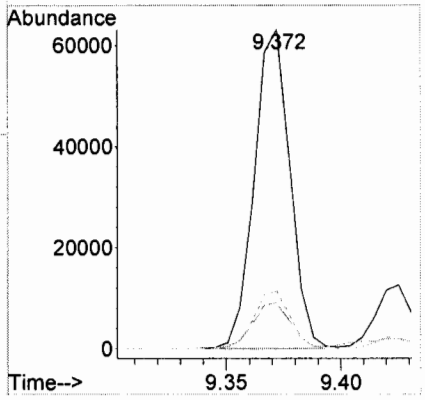




#83
Phenanthrene
Concen: 7.86 ng
RT: 9.372 min Scan# 1334
Delta R.T. -0.048 min
Lab File: 9M32369.D
Acq: 17 Feb 2011 10:28

Tgt Ion:178 Resp: 68377

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	55.5
176	18.0	0.0	59.3



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-006(T)(R)
Client Id: ISSS6 large monolith (5th)
Data File: 10M19518.D
Analysis Date: 02/22/11 12:45
Date Rec/Extracted: 02/03/11-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**13**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.55 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.6**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**40**
83-32-9	**Acenaphthene**	**0.21**	**5.8**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.34 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.66 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.21 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.6**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.60 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

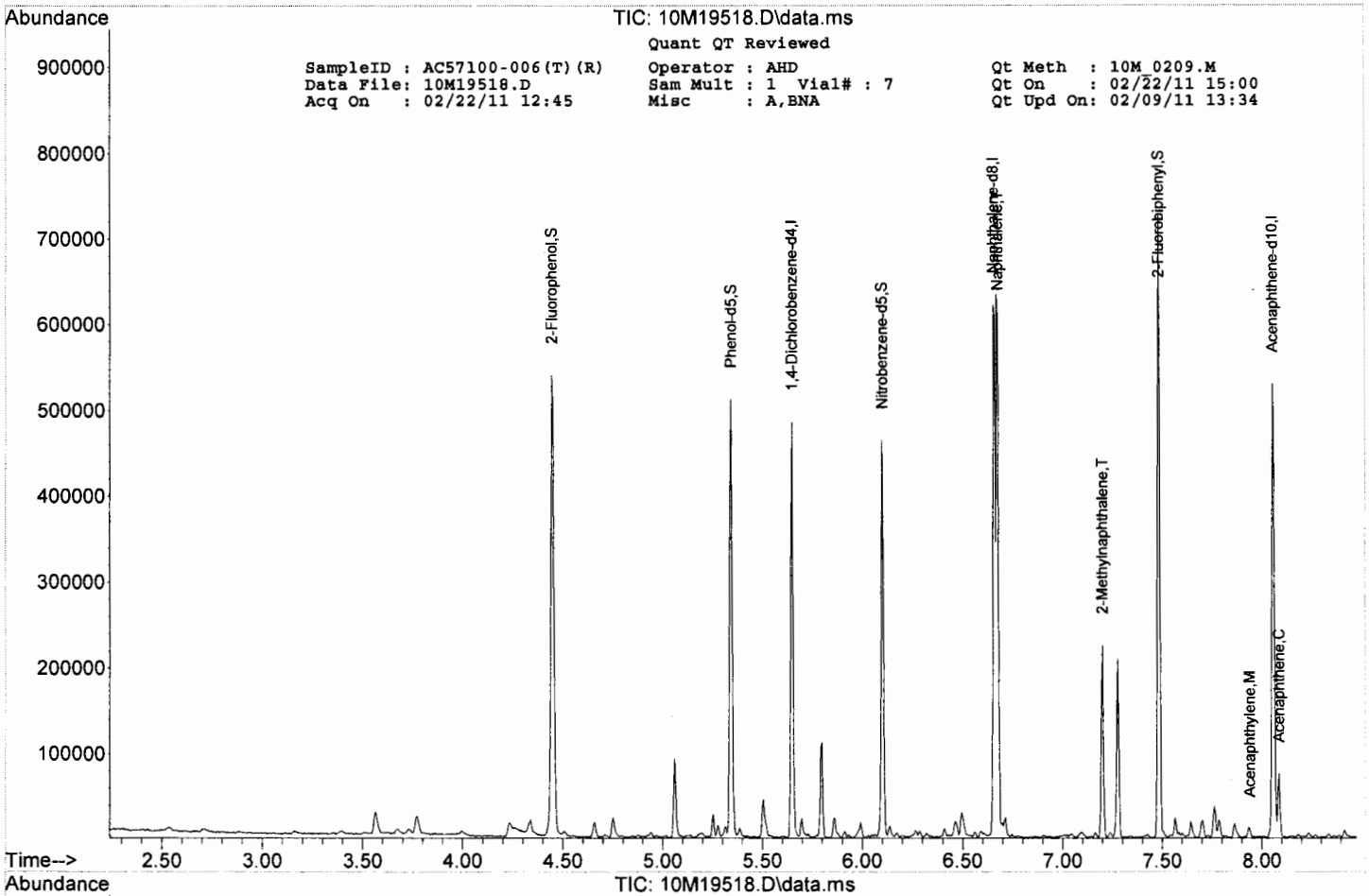
SampleID : AC57100-006(T)(R) Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19518.D Sam Mult : 1 Vial# : 7 Qt On : 02/22/11 15:00
Acq On : 02/22/11 12:45 Misc : A,BNA Qt Upd On: 02/09/11 13:34

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.649	152	56325	40.00	ng	-0.03
29) Naphthalene-d8	6.655	136	229854	40.00	ng	-0.04
47) Acenaphthene-d10	8.056	164	89776	40.00	ng	-0.04
74) Phenanthrene-d10	9.495	188	195971	40.00	ng	-0.04
88) Chrysene-d12	12.528	240	173076	40.00	ng	-0.04
100) Perylene-d12	14.122	264	36531	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.446	112	151808	78.68	ng	-0.03
Spiked Amount 100.000			Recovery = 78.68%			
15) Phenol-d5	5.344	99	130173	52.80	ng	-0.03
Spiked Amount 100.000			Recovery = 52.80%			
30) Nitrobenzene-d5	6.099	128	45630	48.03	ng	-0.04
Spiked Amount 50.000			Recovery = 96.06%			
52) 2-Fluorobiphenyl	7.484	172	178085	64.80	ng	-0.04
Spiked Amount 50.000			Recovery = 129.60%			
77) 2,4,6-Tribromophenol	8.789	330	33951	97.04	ng	-0.04
Spiked Amount 100.000			Recovery = 97.04%			
91) Terphenyl-d14	11.292	244	178589	52.29	ng	-0.04
Spiked Amount 50.000			Recovery = 104.58%			
Target Compounds						Qvalue
39) Naphthalene	6.676	128	235215	40.31	ng	99
44) 2-Methylnaphthalene	7.200	142	47826	12.78	ng	97
59) Acenaphthylene	7.939	152	1339	0.34	ng	79
62) Acenaphthene	8.088	153	14034	5.78	ng	97
69) Fluorene	8.559	166	7296	2.61	ng	98
83) Phenanthrene	9.522	178	23948	4.55	ng	98
84) Anthracene	9.575	178	3577	0.66	ng	81
87) Fluoranthene	10.843	202	3074	0.55	ng	97
89) Pyrene	11.105	202	3431	0.60	ng	86
97) Benzo[a]anthracene	12.517	228	997m	0.21	ng	

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

Ke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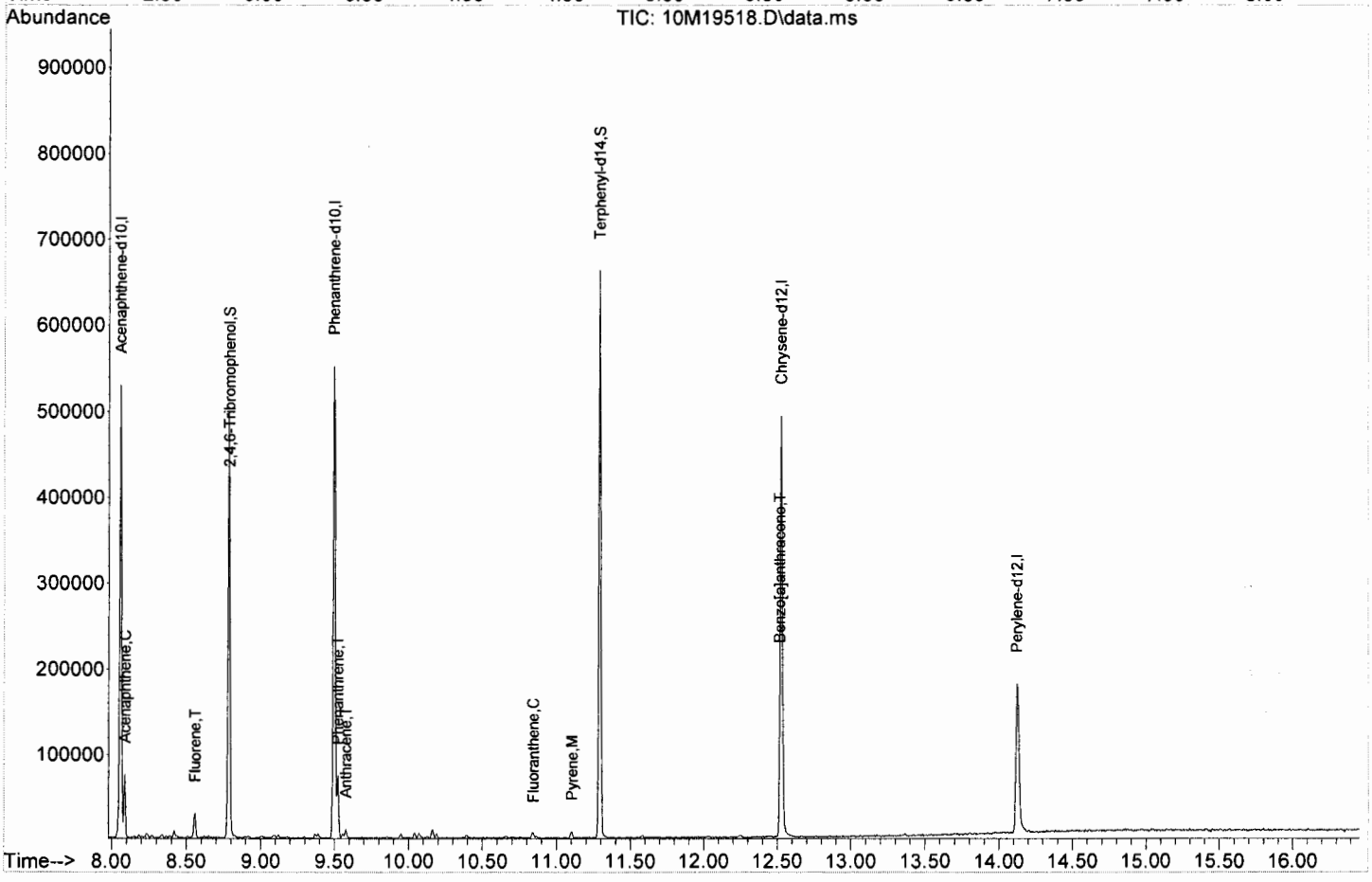
Quant QT Reviewed
SampleID : AC57100-006(T)(R)
Data File: 10M19518.D
Acq On : 02/22/11 12:45
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/22/11 15:00
Qt Upd On: 02/09/11 13:34
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Time-->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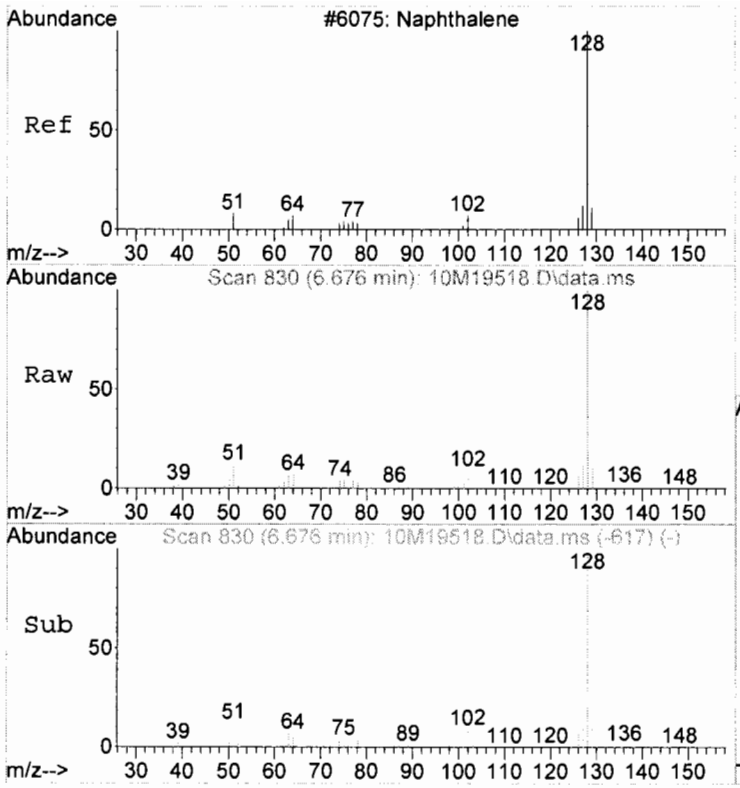
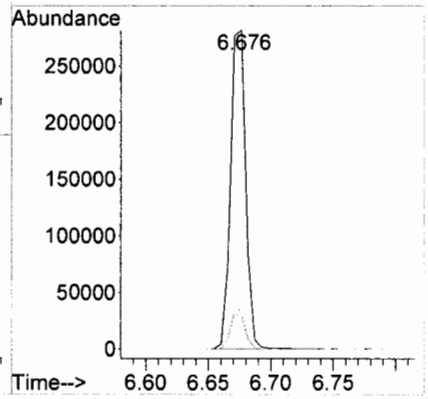
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Benzo(a)anthracene,T
Perylene-d12,I
Time-->

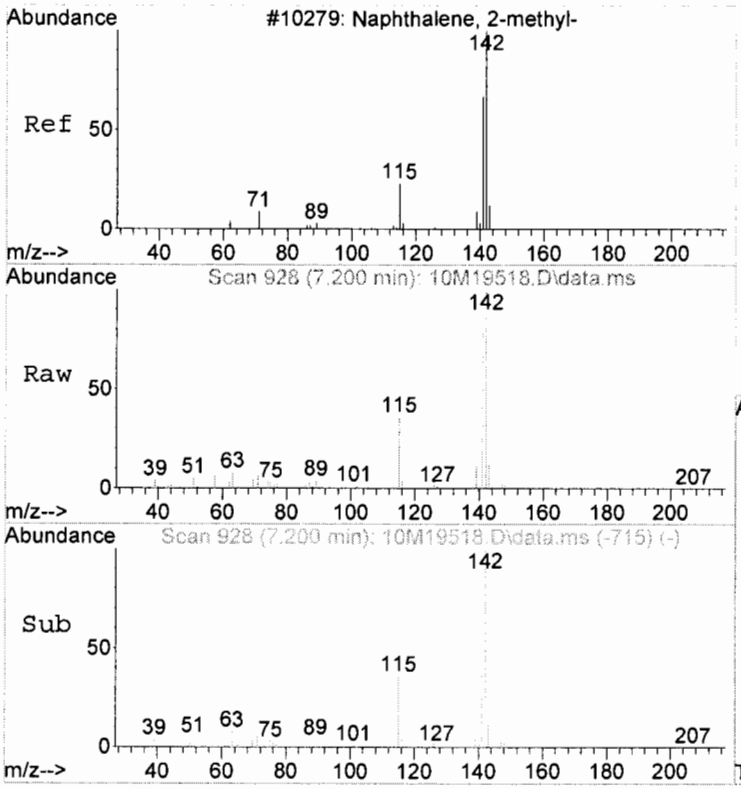


#39
Naphthalene
Concen: 40.31 ng
RT: 6.676 min Scan# 830
Delta R.T. -0.032 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:128 Resp: 235215

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	50.9
127	12.3	0.0	52.4

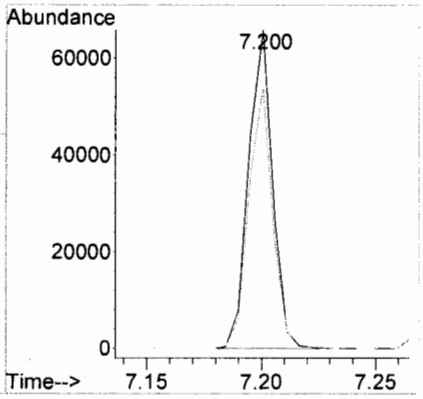


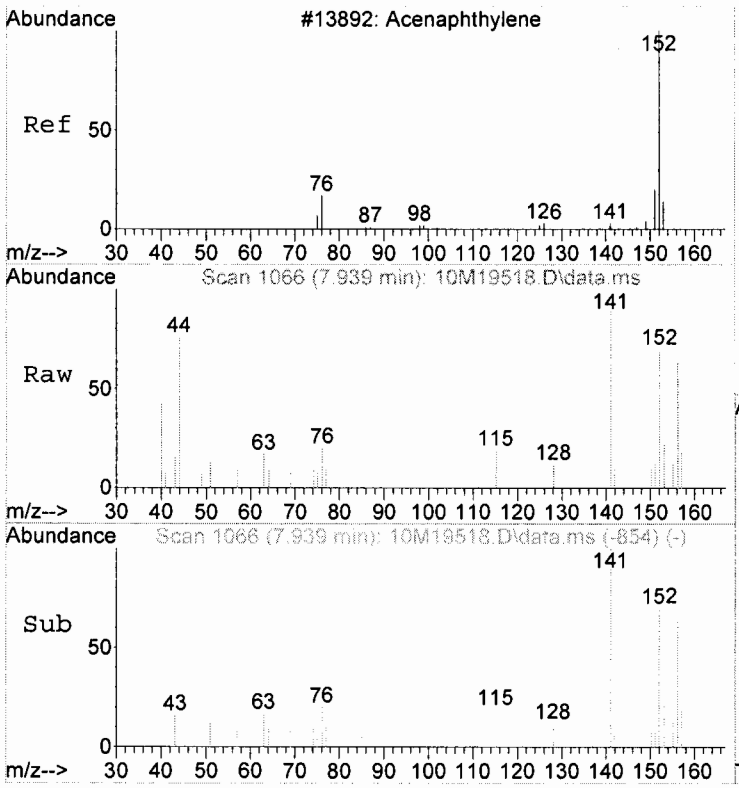


#44
2-Methylnaphthalene
Concen: 12.78 ng
RT: 7.200 min Scan# 928
Delta R.T. -0.032 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:142 Resp: 47826

Ion	Ratio	Lower	Upper
142	100		
141	81.9	44.6	124.6

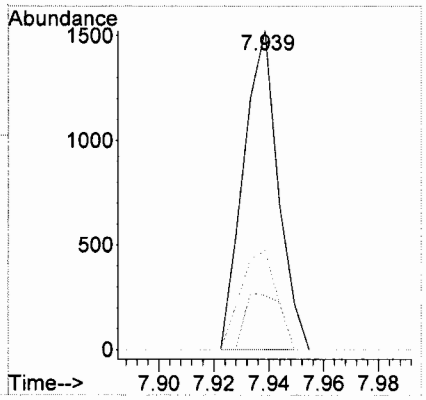


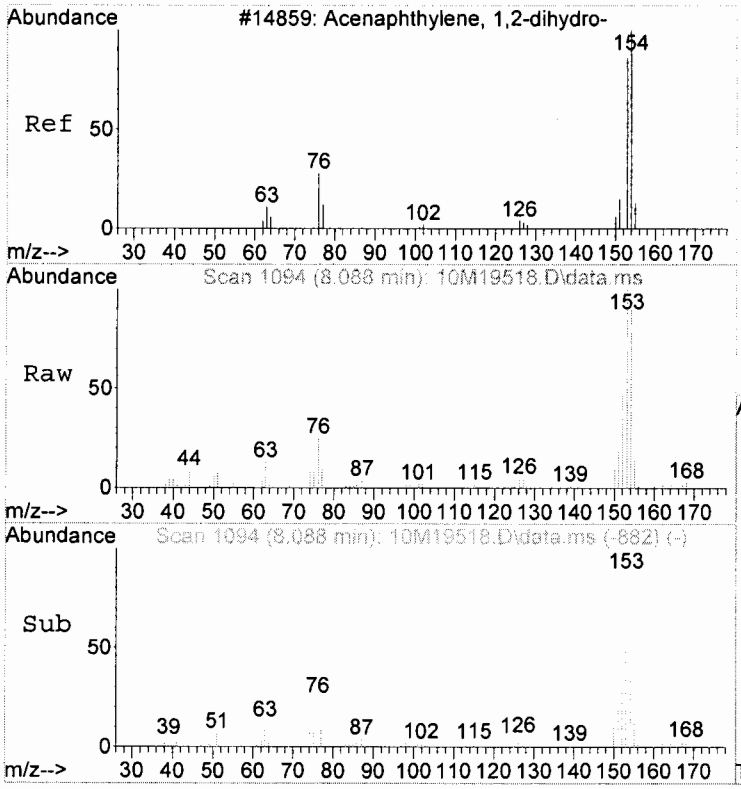


#59
Acenaphthylene
Concen: 0.34 ng
RT: 7.939 min Scan# 1066
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:152 Resp: 1339

Ion	Ratio	Lower	Upper
152	100		
151	17.1	0.0	59.2
153	31.2	0.0	53.2

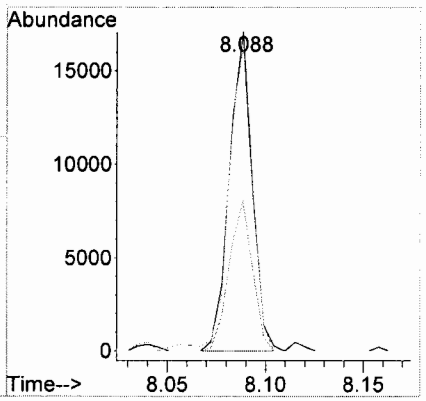


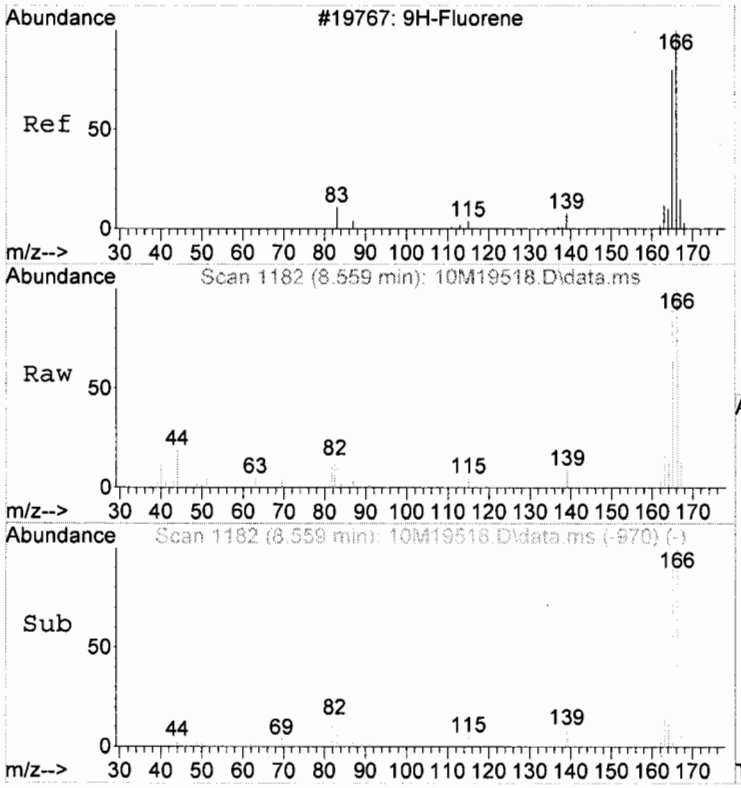


#62
Acenaphthene
Concen: 5.78 ng
RT: 8.088 min Scan# 1094
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:153 Resp: 14034

Ion	Ratio	Lower	Upper
153	100		
152	47.2	10.0	90.0
154	95.2	57.5	137.5

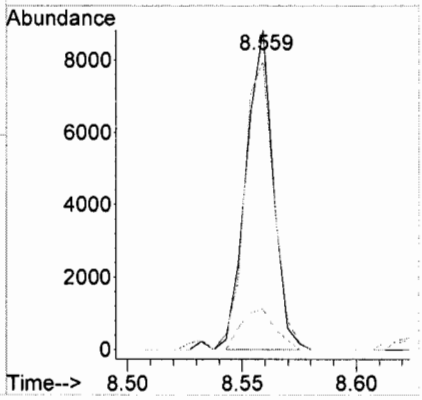


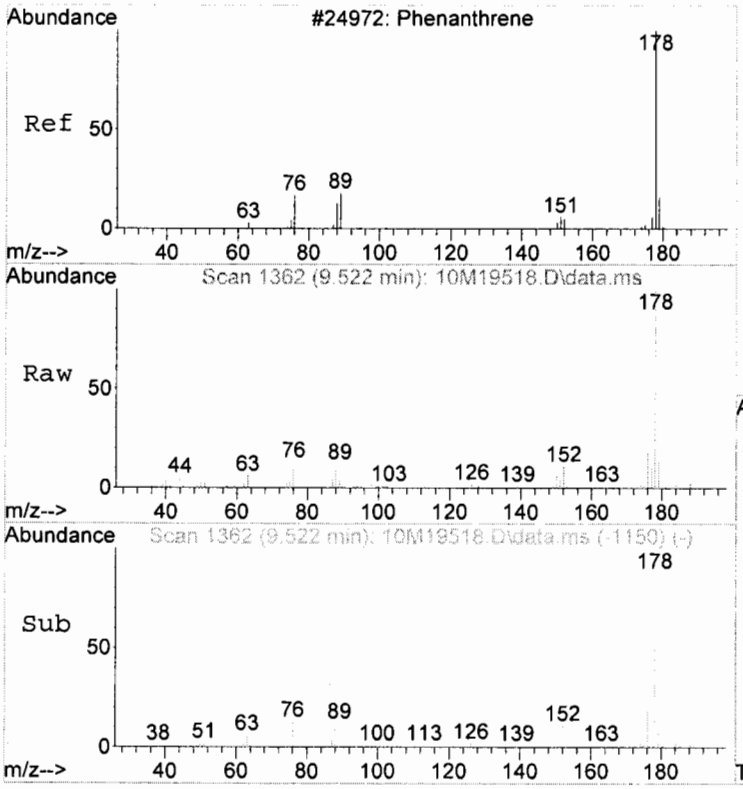


#69
Fluorene
Concen: 2.61 ng
RT: 8.559 min Scan# 1182
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:166 Resp: 7296

Ion	Ratio	Lower	Upper
166	100		
165	90.3	0.0	292.6
167	12.8	0.0	213.2

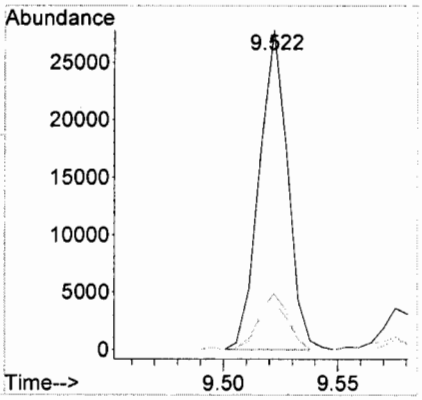


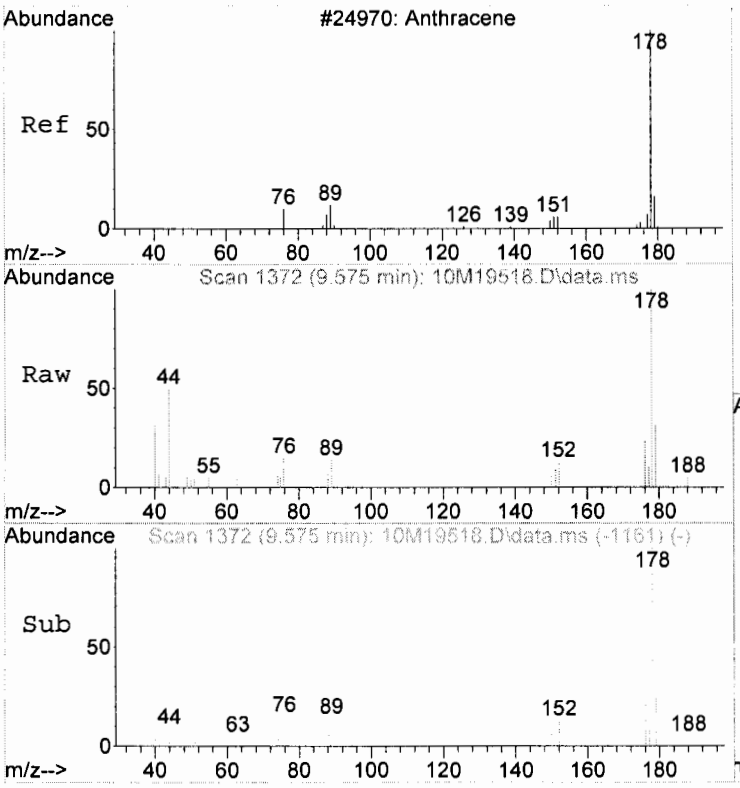


#83
Phenanthrene
Concen: 4.55 ng
RT: 9.522 min Scan# 1362
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:178 Resp: 23948

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	55.5
176	17.6	0.0	59.3

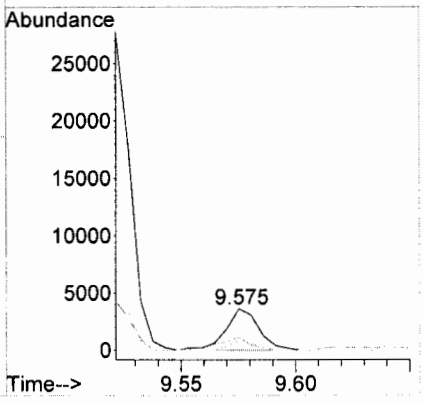


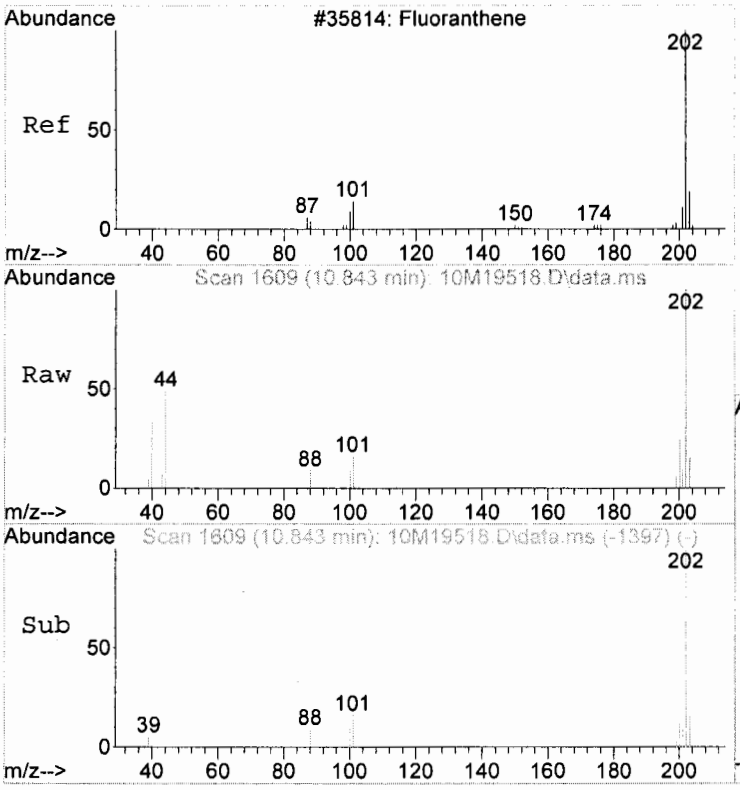


#84
Anthracene
Concen: 0.66 ng
RT: 9.575 min Scan# 1372
Delta R.T. -0.043 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:178 Resp: 3577

Ion	Ratio	Lower	Upper
178	100		
179	26.5	0.0	55.2
176	23.5	0.0	58.1

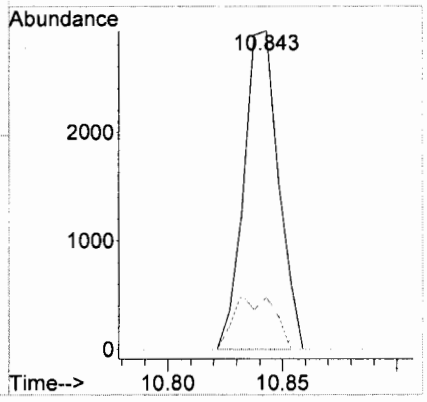


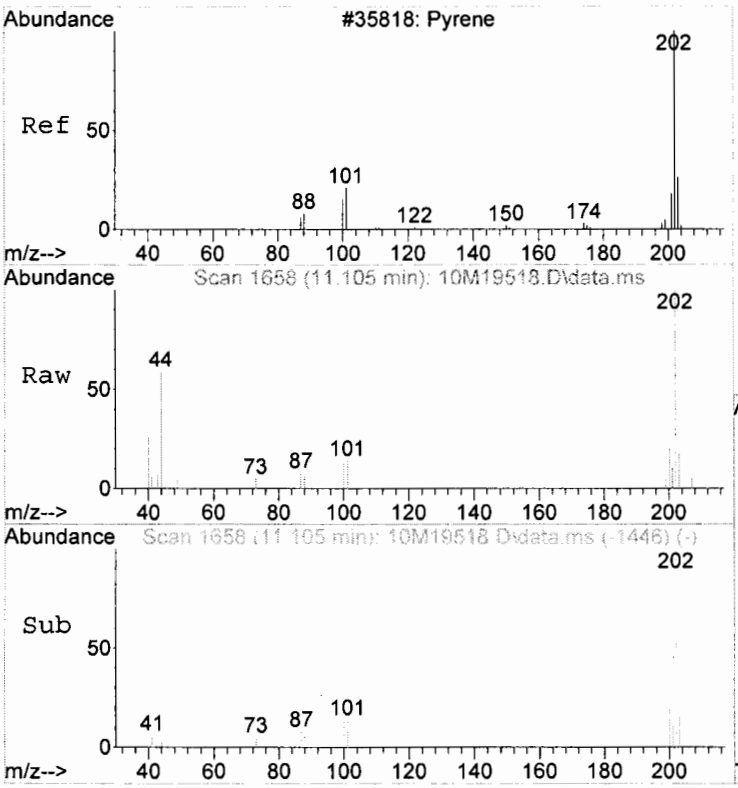


#87
Fluoranthene
Concen: 0.55 ng
RT: 10.843 min Scan# 1609
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:202 Resp: 3074

Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	57.6

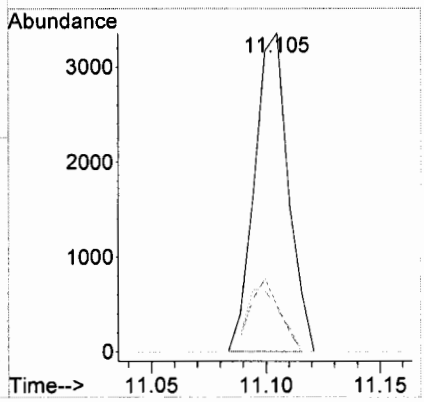


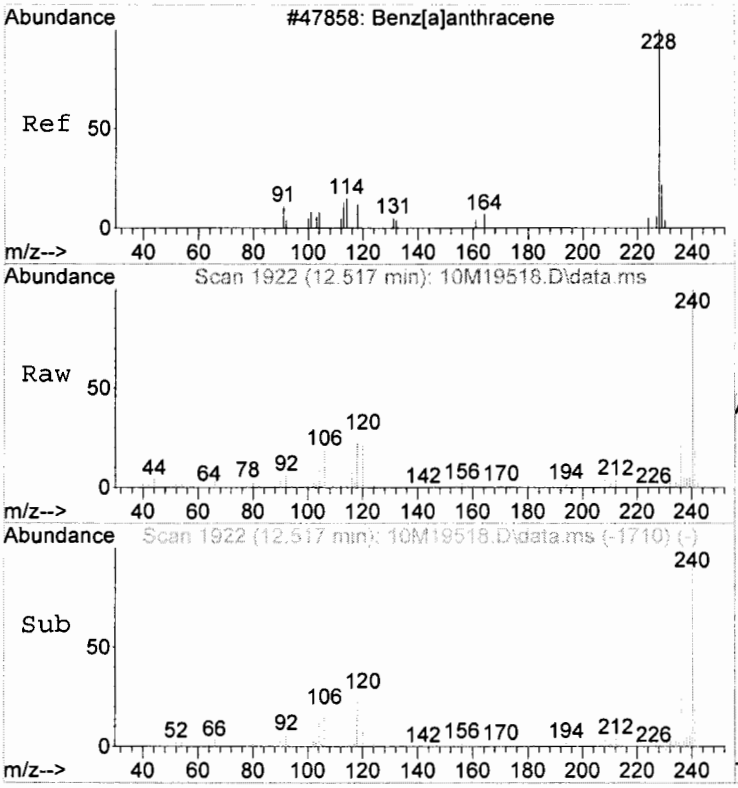


#89
Pyrene
Concen: 0.60 ng
RT: 11.105 min Scan# 1658
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:202 Resp: 3431

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	62.2
100	13.3	0.0	57.8

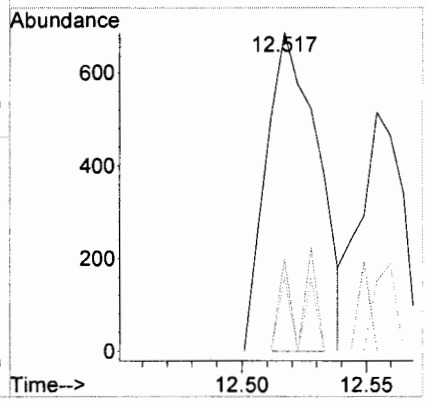




#97
Benzo[a]anthracene
Concen: 0.21 ng m
RT: 12.517 min Scan# 1922
Delta R.T. -0.037 min
Lab File: 10M19518.D
Acq: 22 Feb 2011 12:45

Tgt Ion:228 Resp: 997

Ion	Ratio	Lower	Upper
228	100		
229	28.8	0.0	59.5
226	23.1	0.0	66.0



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-011(T)
Client Id: ISSS6 large monolith (10th)
Data File: 5M64845.D
Analysis Date: 02/24/11 13:26
Date Rec/Extracted: 02/03/11-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**14**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.60 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.2**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**37**
83-32-9	**Acenaphthene**	**0.21**	**5.5**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.60 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.83 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.26 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.5**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.84 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

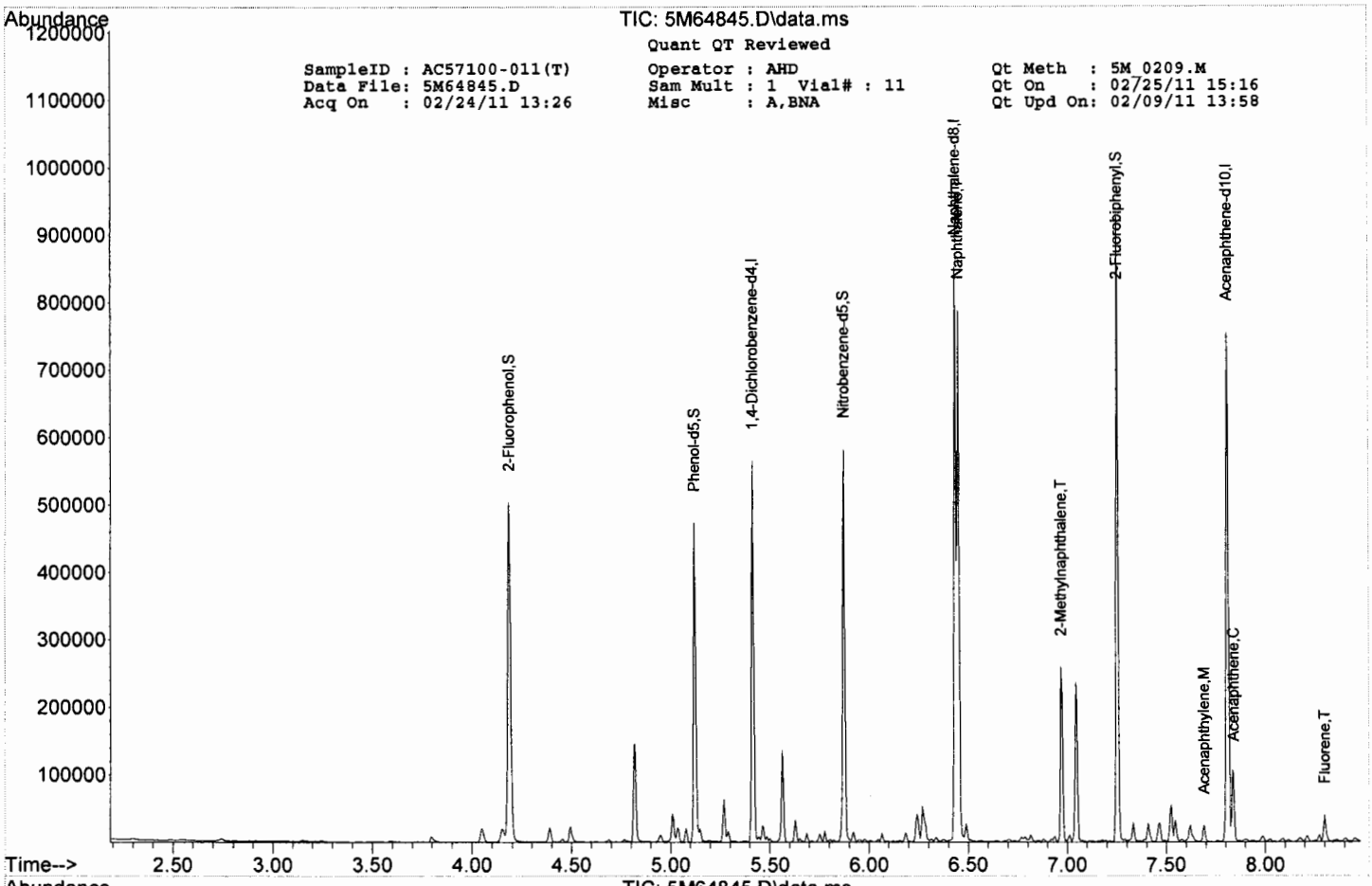
Quantitation Report (QT Reviewed)

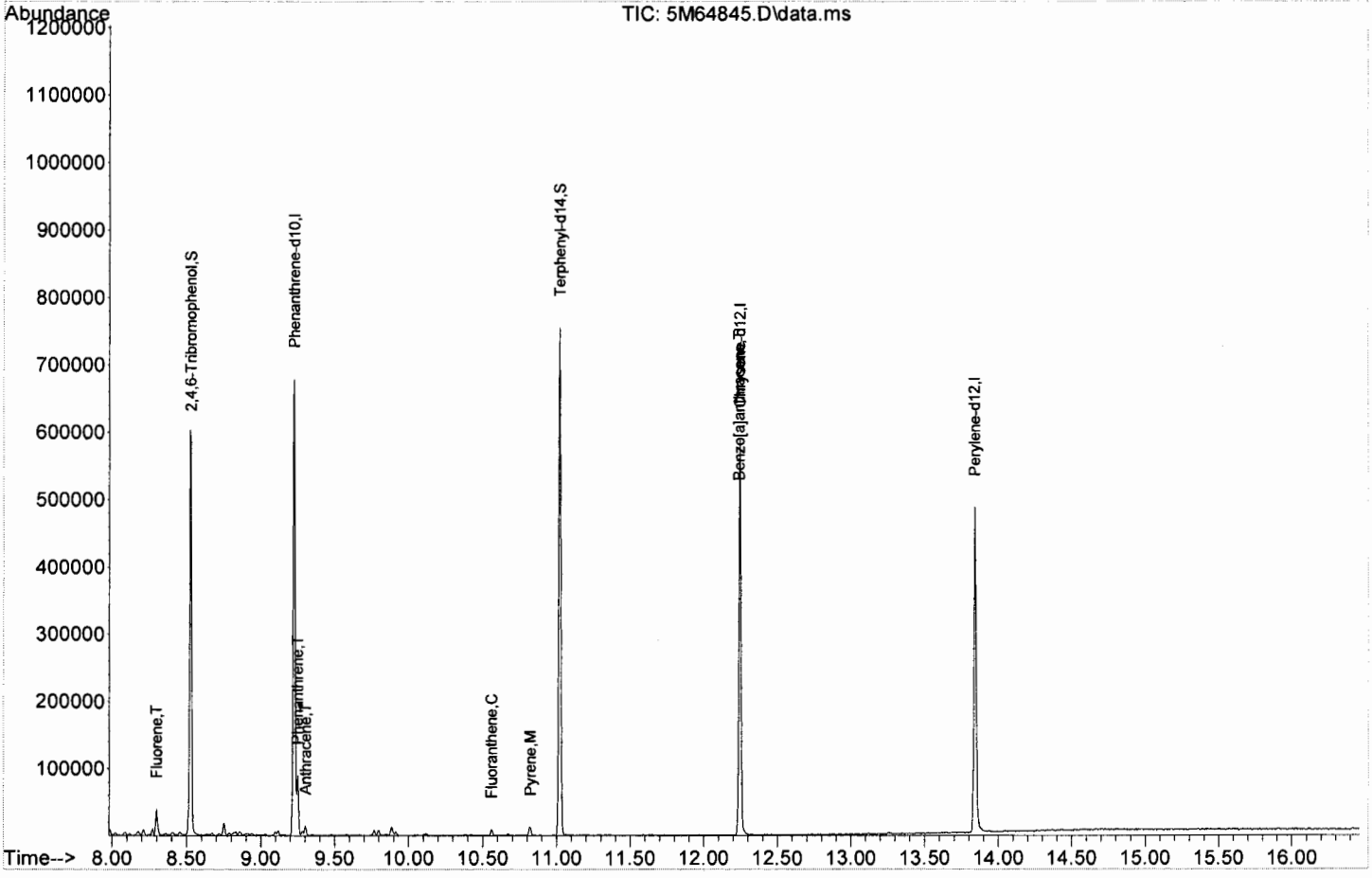
SampleID : AC57100-011(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64845.D Sam Mult : 1 Vial# : 11 Qt On : 02/25/11 15:16
Acq On : 02/24/11 13:26 Misc : A,BNA Qt Upd On: 02/09/11 13:58

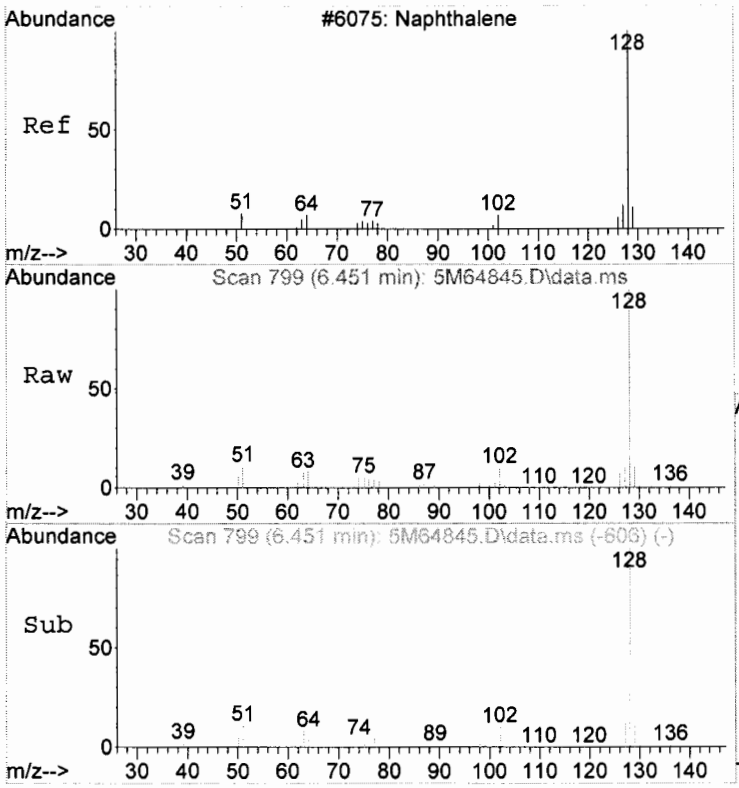
Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	61536	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	242017	40.00	ng	-0.03
47) Acenaphthene-d10	7.808	164	133936	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	229504	40.00	ng	-0.04
88) Chrysene-d12	12.247	240	177520	40.00	ng	-0.06
100) Perylene-d12	13.839	264	152312	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.186	112	131265	65.16	ng	-0.04
Spiked Amount 100.000			Recovery = 65.16%			
15) Phenol-d5	5.120	99	124532	43.80	ng	-0.04
Spiked Amount 100.000			Recovery = 43.80%			
30) Nitrobenzene-d5	5.874	128	51647	49.83	ng	-0.03
Spiked Amount 50.000			Recovery = 99.66%			
52) 2-Fluorobiphenyl	7.252	172	197186	46.63	ng	-0.03
Spiked Amount 50.000			Recovery = 93.26%			
77) 2,4,6-Tribromophenol	8.529	330	33940	101.69	ng	-0.04
Spiked Amount 100.000			Recovery = 101.69%			
91) Terphenyl-d14	11.024	244	188634	53.76	ng	-0.04
Spiked Amount 50.000			Recovery = 107.52%			
Target Compounds						Qvalue
39) Naphthalene	6.451	128	239885	36.57	ng	99
44) 2-Methylnaphthalene	6.969	142	54119	13.77	ng	97
59) Acenaphthylene	7.690	152	3785	0.60	ng	90
62) Acenaphthene	7.840	153	21411	5.50	ng	90
69) Fluorene	8.299	166	9155	2.25	ng	98
83) Phenanthrene	9.250	178	27791	4.51	ng	97
84) Anthracene	9.303	178	5180	0.83	ng	98
87) Fluoranthene	10.559	202	3661	0.60	ng	84
89) Pyrene	10.821	202	5341	0.84	ng	88
97) Benzo[a]anthracene	12.242	228	1302	0.26	ng	97

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


Abundance
TIC: 5M64845.D\data.ms
Quant QT Reviewed
SampleID : AC57100-011(T)
Data File: 5M64845.D
Acq On : 02/24/11 13:26
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/25/11 15:16
Qt Upd On: 02/09/11 13:58
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Fluorene,T
Time-->

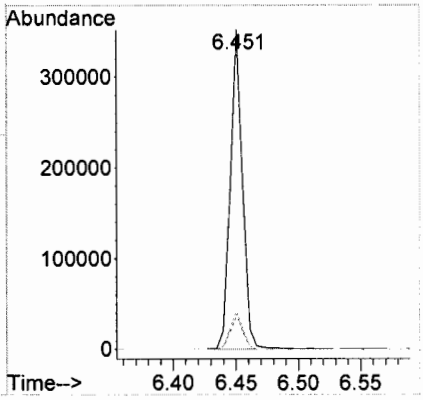

Abundance
TIC: 5M64845.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Benzo[a]anthracene,B12,I
Perylene-d12,I
Time-->

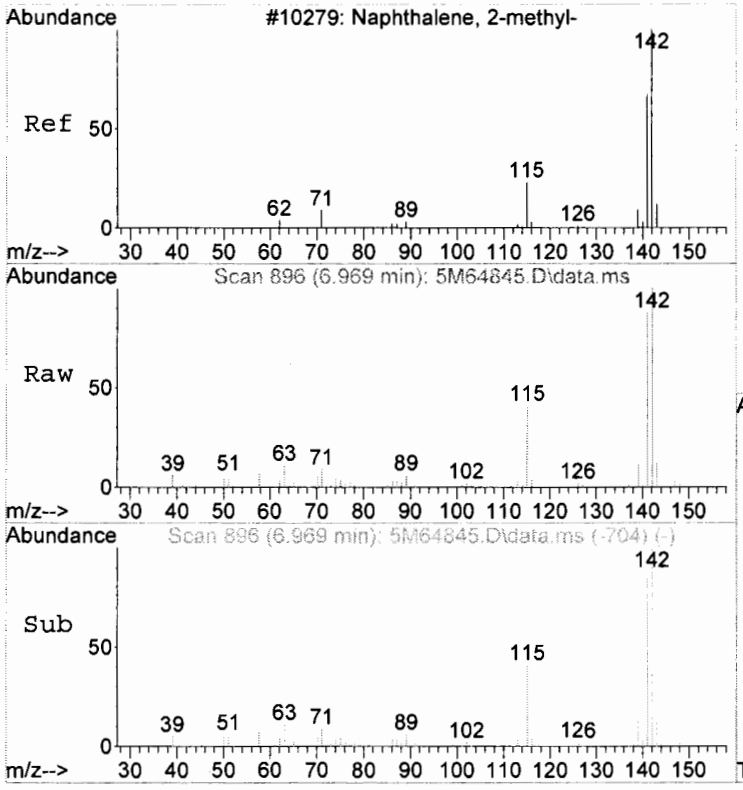


#39
Naphthalene
Concen: 36.57 ng
RT: 6.451 min Scan# 799
Delta R.T. -0.034 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:128 Resp: 239885

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	50.9
127	12.1	0.0	52.4

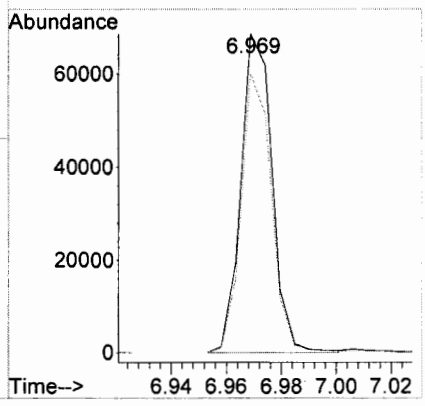


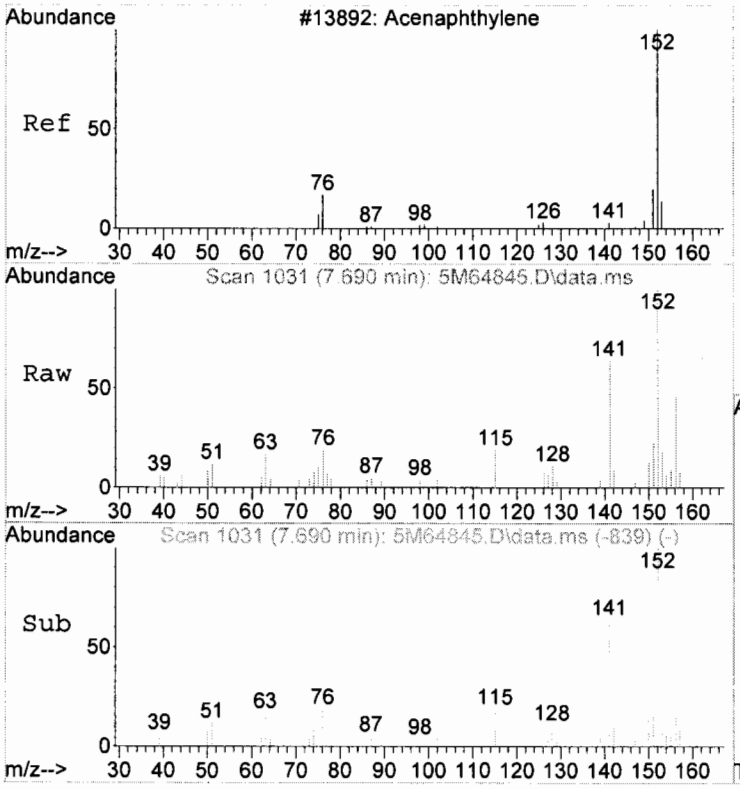


#44
2-Methylnaphthalene
Concen: 13.77 ng
RT: 6.969 min Scan# 896
Delta R.T. -0.039 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:142 Resp: 54119

Ion	Ratio	Lower	Upper
142	100		
141	87.7	44.6	124.6

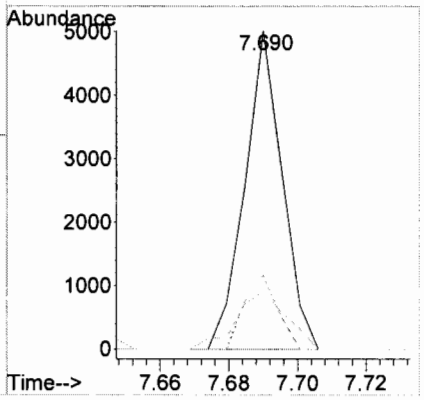


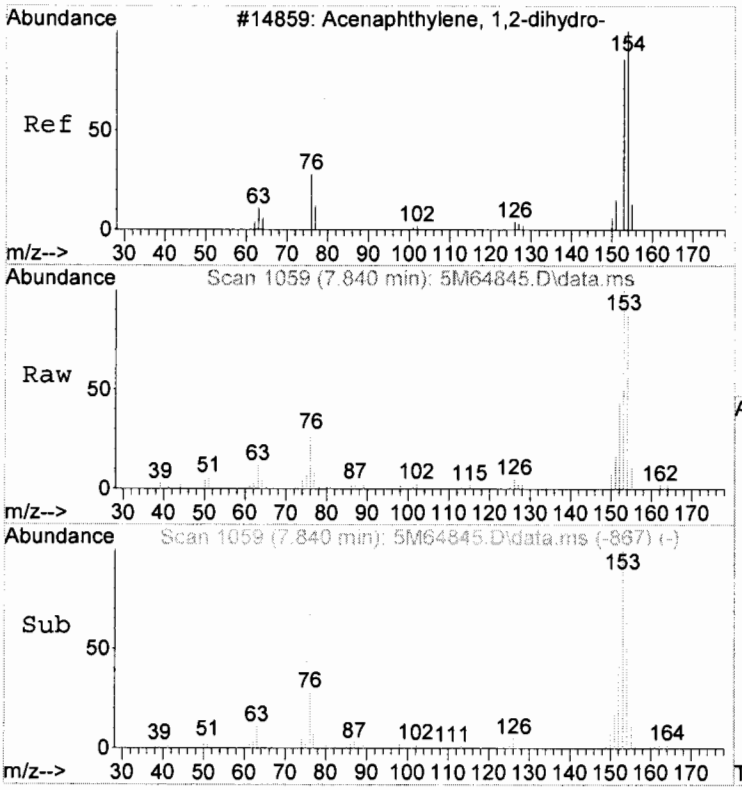


#59
Acenaphthylene
Concen: 0.60 ng
RT: 7.690 min Scan# 1031
Delta R.T. -0.039 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:152 Resp: 3785

Ion	Ratio	Lower	Upper
152	100		
151	23.2	0.0	59.2
153	18.3	0.0	53.2

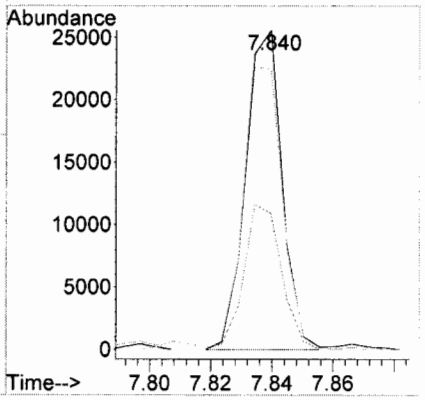


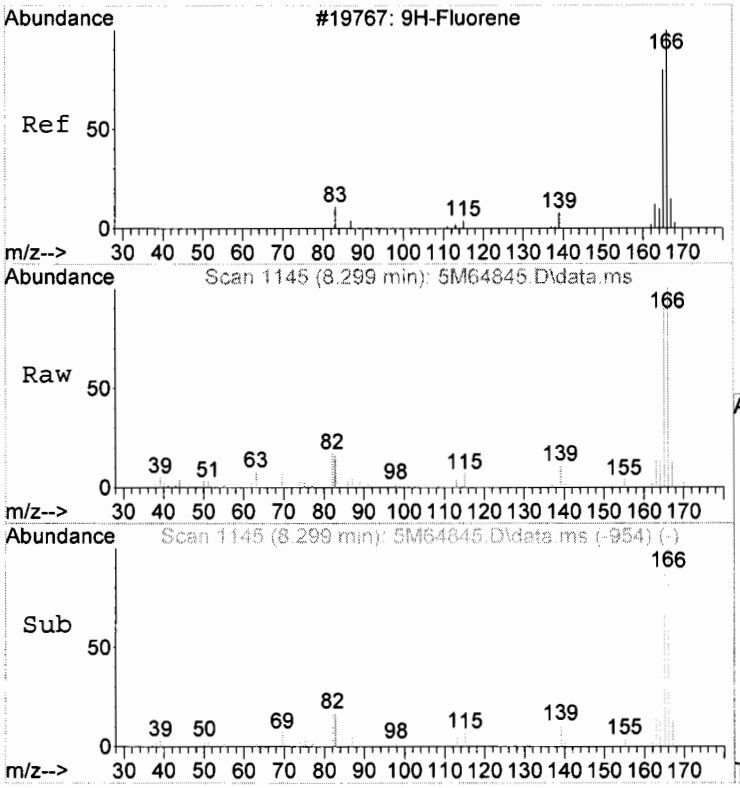


#62
Acenaphthene
Concen: 5.50 ng
RT: 7.840 min Scan# 1059
Delta R.T. -0.039 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:153 Resp: 21411

Ion	Ratio	Lower	Upper
153	100		
152	42.7	10.0	90.0
154	87.7	57.5	137.5

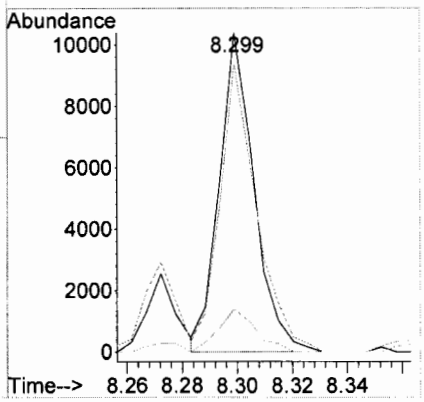


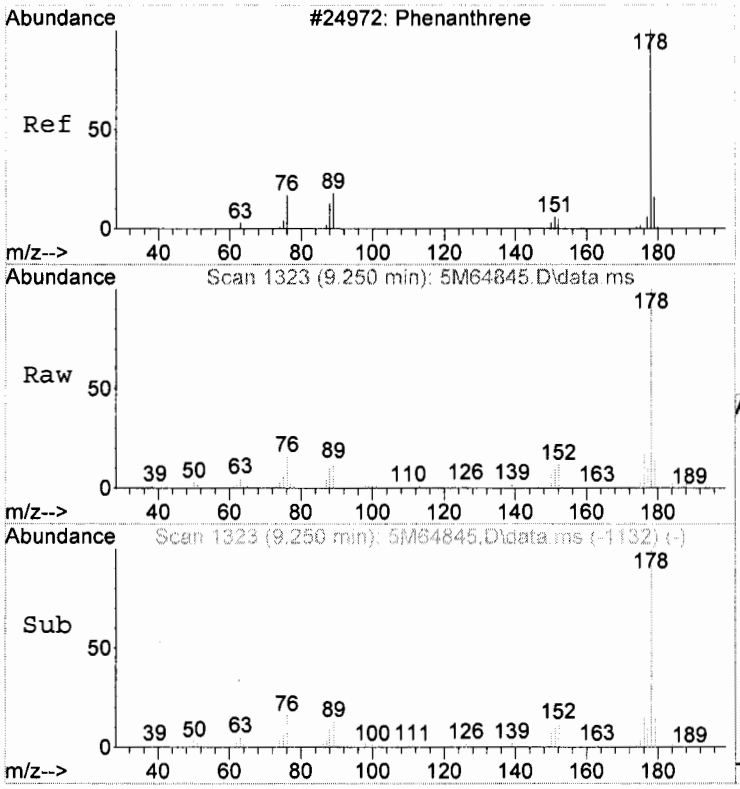


#69
Fluorene
Concen: 2.25 ng
RT: 8.299 min Scan# 1145
Delta R.T. -0.044 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:166 Resp: 9155

Ion	Ratio	Lower	Upper
166	100		
165	90.4	0.0	292.6
167	13.5	0.0	213.2

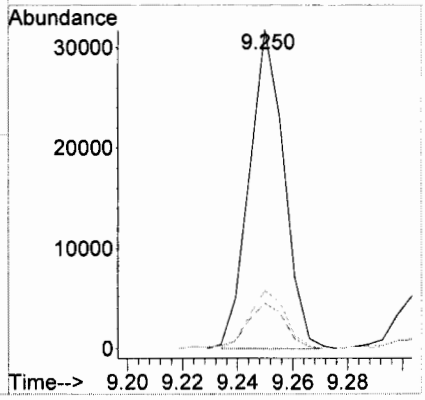


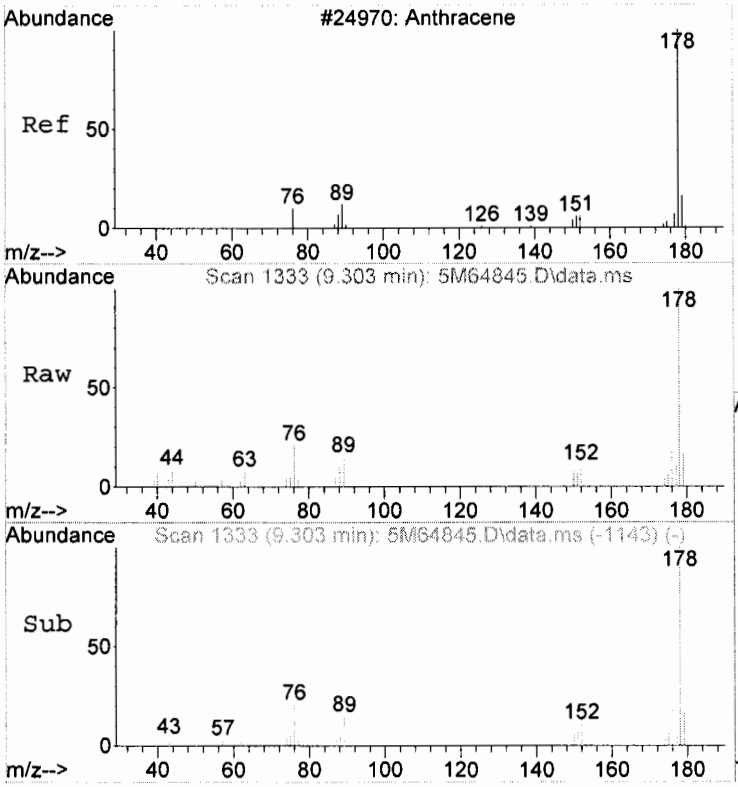


#83
Phenanthrene
Concen: 4.51 ng
RT: 9.250 min Scan# 1323
Delta R.T. -0.044 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:178 Resp: 27791

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	55.5
176	18.3	0.0	59.3

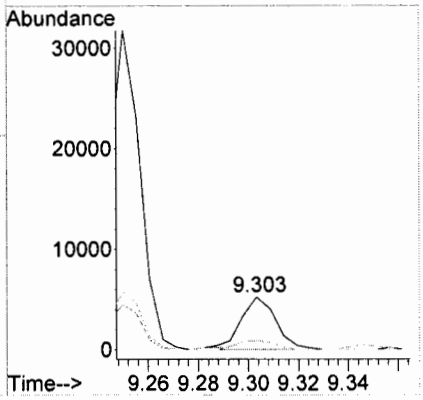


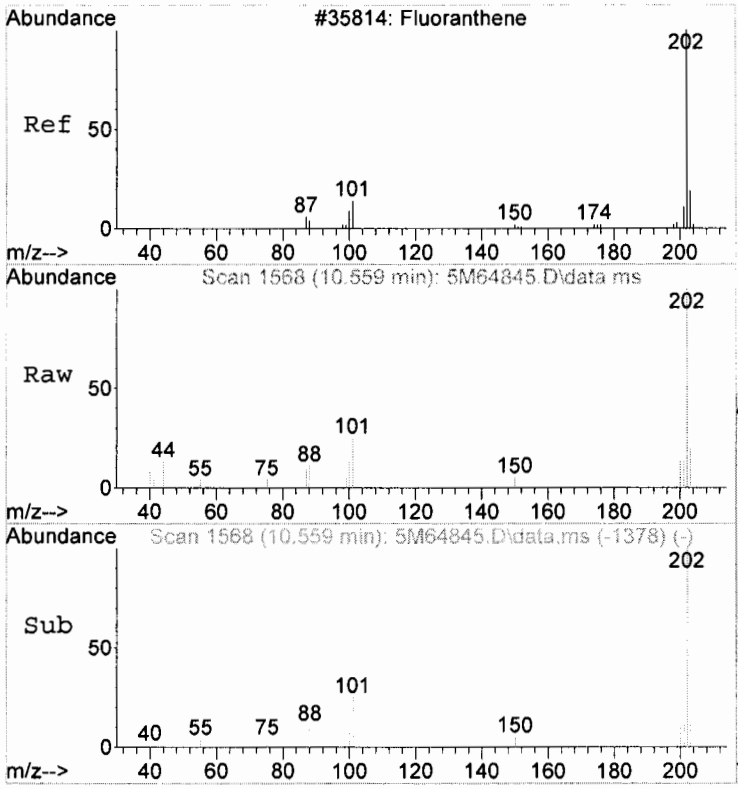


#84
Anthracene
Concen: 0.83 ng
RT: 9.303 min Scan# 1333
Delta R.T. -0.050 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:178 Resp: 5180

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	55.2
176	18.4	0.0	58.1

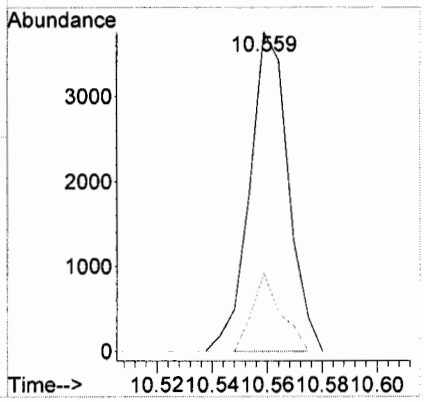


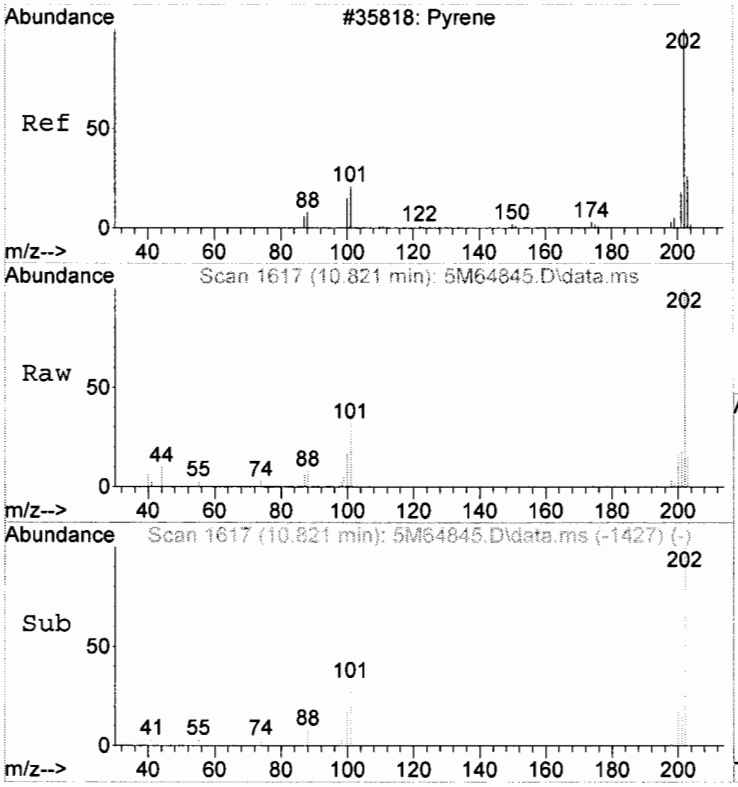


#87
Fluoranthene
Concen: 0.60 ng
RT: 10.559 min Scan# 1568
Delta R.T. -0.050 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:202 Resp: 3661

Ion	Ratio	Lower	Upper
202	100		
101	24.6	0.0	57.6

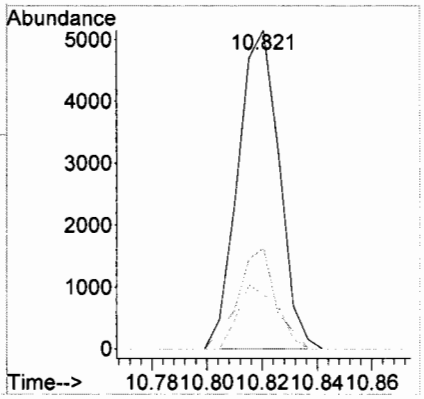


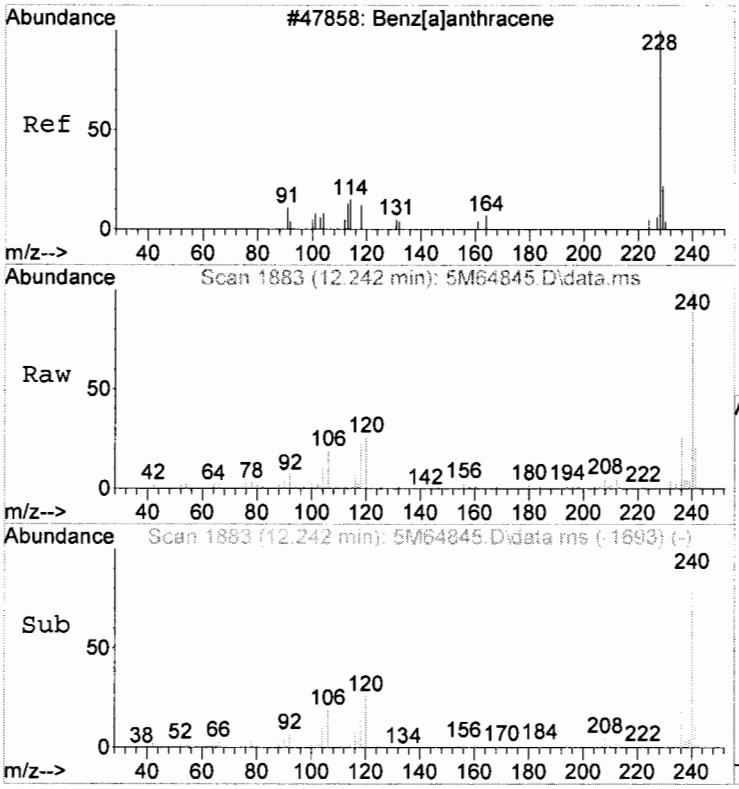


#89
Pyrene
Concen: 0.84 ng
RT: 10.821 min Scan# 1617
Delta R.T. -0.050 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:202 Resp: 5341

Ion	Ratio	Lower	Upper
202	100		
101	31.6	0.0	62.2
100	17.1	0.0	57.8

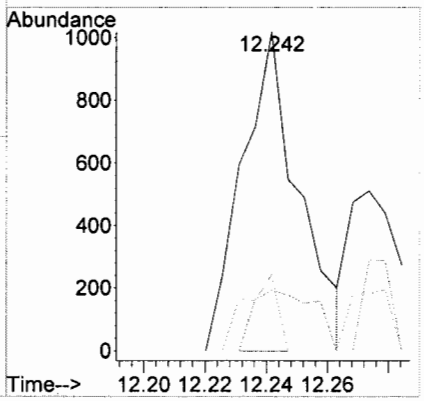




#97
Benzo[a]anthracene
Concen: 0.26 ng
RT: 12.242 min Scan# 1883
Delta R.T. -0.050 min
Lab File: 5M64845.D
Acq: 24 Feb 2011 13:26

Tgt Ion:228 Resp: 1302

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	59.5
226	23.8	0.0	66.0



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-016(T)
Client Id: ISSS6 large monolith (15th)
Data File: 5M64942.D
Analysis Date: 03/01/11 13:15
Date Rec/Extracted: 02/03/11-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**13**	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	**206-44-0**	**Fluoranthene**	**0.14**	**0.63 J**
99-09-2	3-Nitroaniline	1.9	U	**86-73-7**	**Fluorene**	**0.20**	**2.0 J**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	**91-20-3**	**Naphthalene**	**0.16**	**31**
83-32-9	**Acenaphthene**	**0.21**	**5.2**	98-95-3	Nitrobenzene	0.32	U
208-96-8	**Acenaphthylene**	**0.14**	**0.62 J**	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	**Anthracene**	**0.34**	**0.68 J**	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.33 J**	**85-01-8**	**Phenanthrene**	**0.15**	**4.3**
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	**129-00-0**	**Pyrene**	**0.13**	**0.89 J**
191-24-2	Benzo[g,h,i]perylene	0.17	U				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

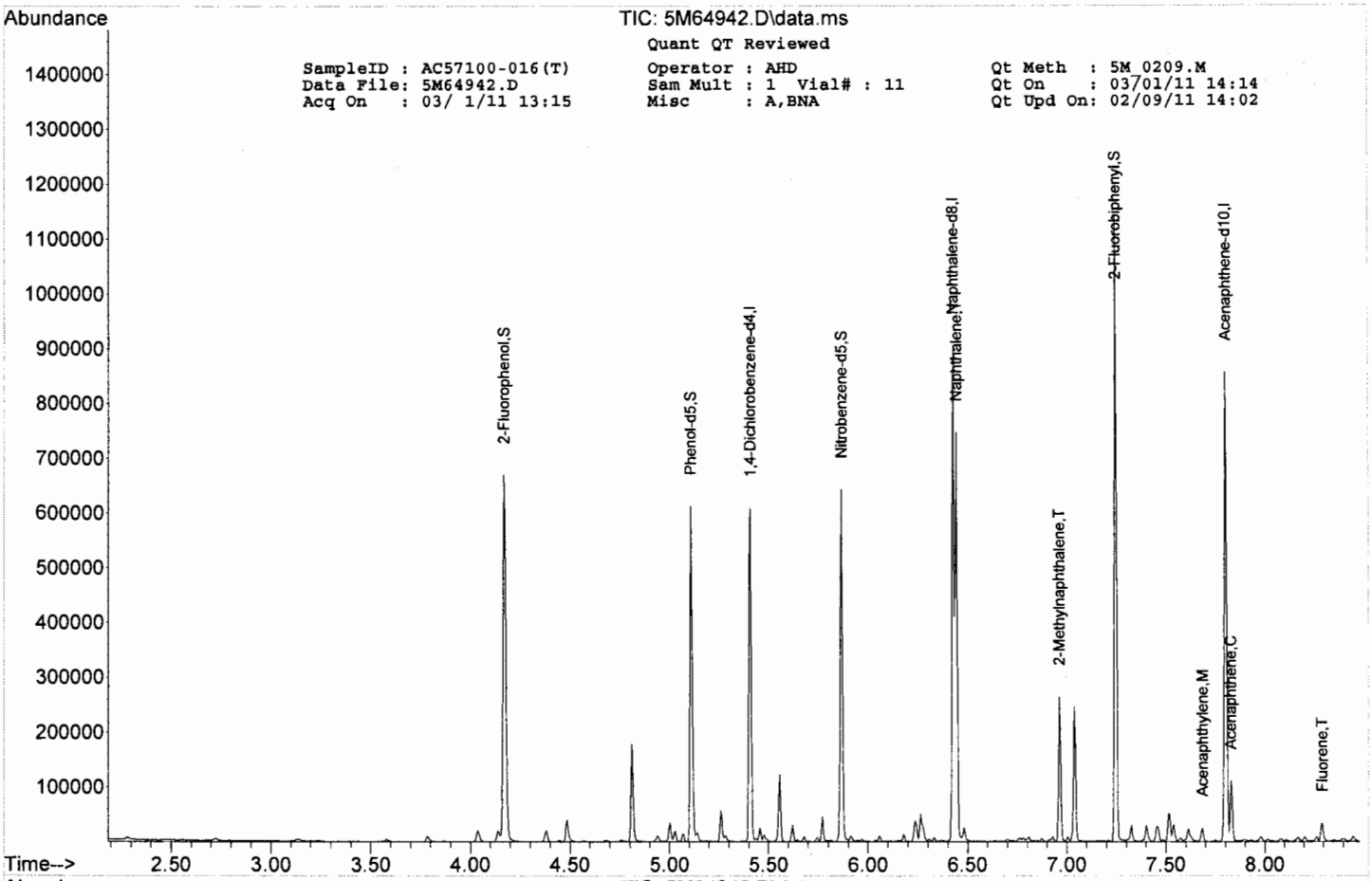
Quantitation Report (QT Reviewed)

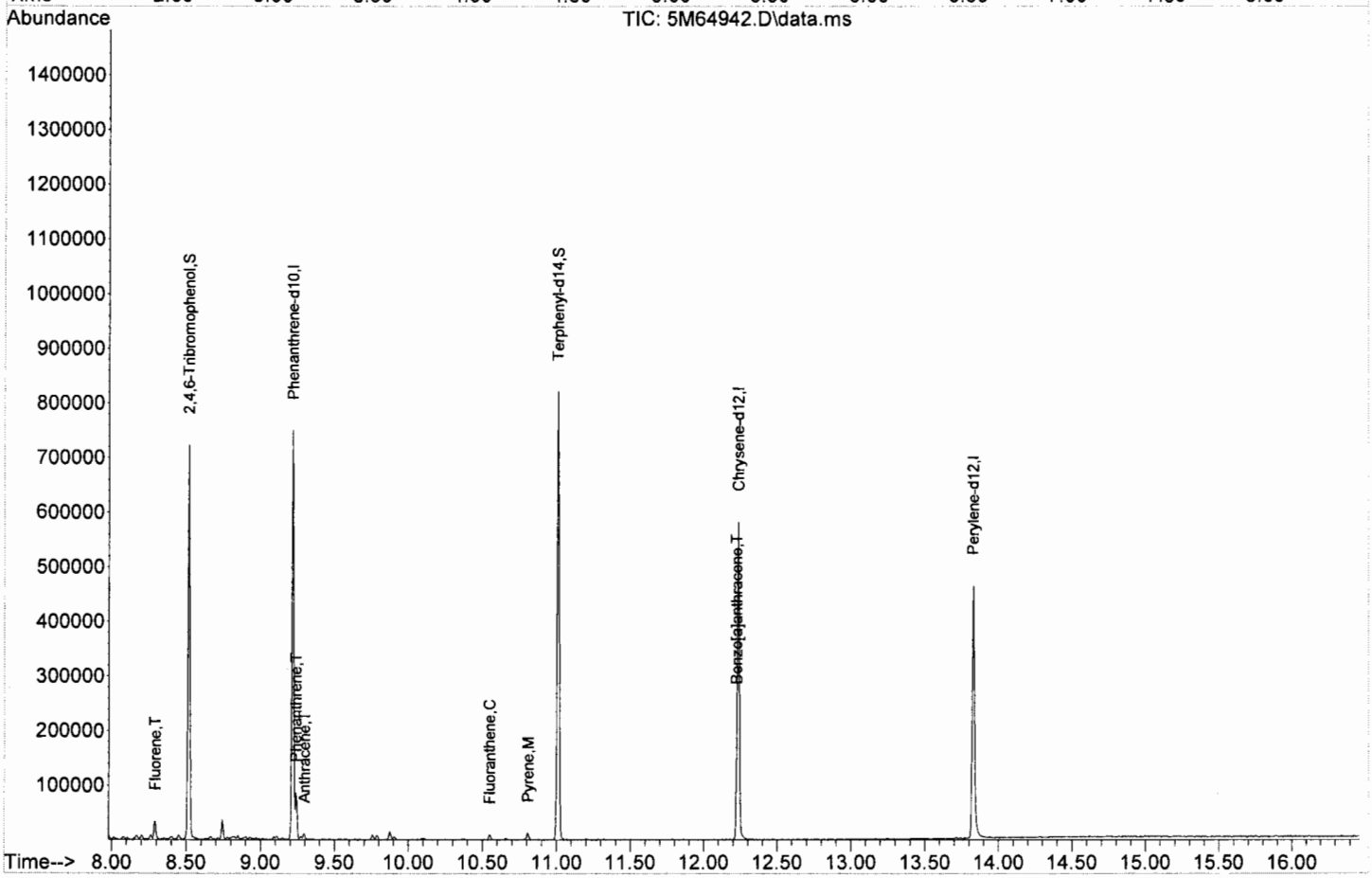
SampleID : AC57100-016(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64942.D Sam Mult : 1 Vial# : 11 Qt On : 03/01/11 14:14
Acq On : 03/ 1/11 13:15 Misc : A,BNA Qt Upd On: 02/09/11 14:02

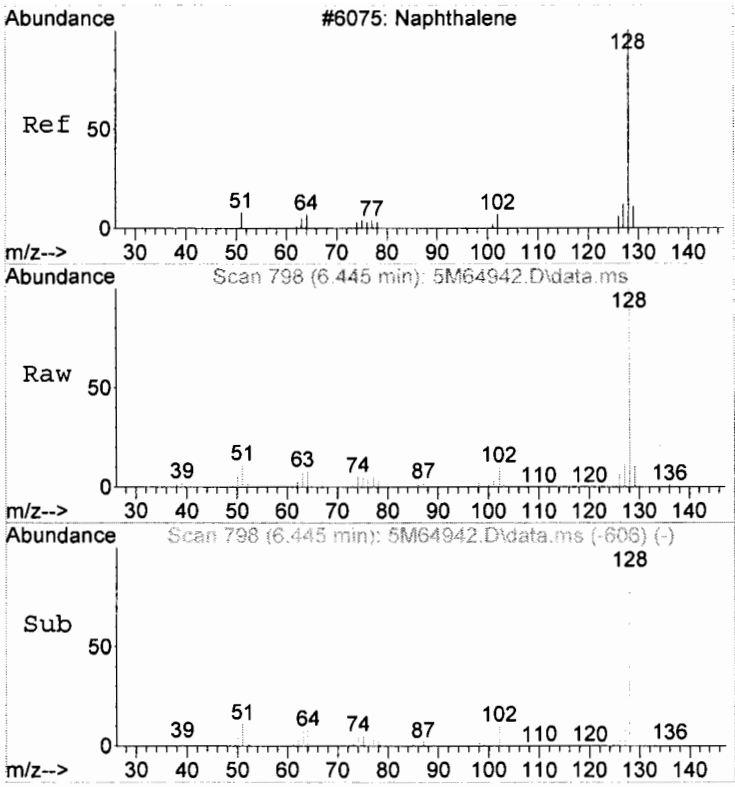
Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	70222	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	264858	40.00	ng	-0.04
47) Acenaphthene-d10	7.802	164	137558	40.00	ng	-0.05
74) Phenanthrene-d10	9.218	188	233872	40.00	ng	-0.06
88) Chrysene-d12	12.236	240	177741	40.00	ng	-0.07
100) Perylene-d12	13.828	264	151115	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	165194	71.86	ng	-0.06
Spiked Amount 100.000			Recovery = 71.86%			
15) Phenol-d5	5.110	99	159842	49.26	ng	-0.06
Spiked Amount 100.000			Recovery = 49.26%			
30) Nitrobenzene-d5	5.868	128	59999	52.90	ng	-0.04
Spiked Amount 50.000			Recovery = 105.80%			
52) 2-Fluorobiphenyl	7.246	172	235828	54.30	ng	-0.04
Spiked Amount 50.000			Recovery = 108.60%			
77) 2,4,6-Tribromophenol	8.518	330	36825	108.27	ng	-0.06
Spiked Amount 100.000			Recovery = 108.27%			
91) Terphenyl-d14	11.013	244	215306	61.28	ng	-0.06
Spiked Amount 50.000			Recovery = 122.56%			
Target Compounds						Qvalue
39) Naphthalene	6.445	128	223771	31.17	ng	100
44) 2-Methylnaphthalene	6.963	142	54251	12.61	ng	98
59) Acenaphthylene	7.685	152	3987	0.62	ng	91
62) Acenaphthene	7.829	153	20870	5.22	ng	94
69) Fluorene	8.294	166	8325	1.99	ng	98
83) Phenanthrene	9.239	178	26765	4.26	ng	99
84) Anthracene	9.298	178	4306	0.68	ng	90
87) Fluoranthene	10.548	202	3890	0.63	ng	90
89) Pyrene	10.810	202	5657	0.89	ng	94
97) Benzo[a]anthracene	12.225	228	1660	0.33	ng	89

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


Abundance
TIC: 5M64942.D\data.ms
Quant QT Reviewed
SampleID : AC57100-016(T)
Data File: 5M64942.D
Acq On : 03/ 1/11 13:15
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03/01/11 14:14
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene,Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Fluorene,T
Time-->

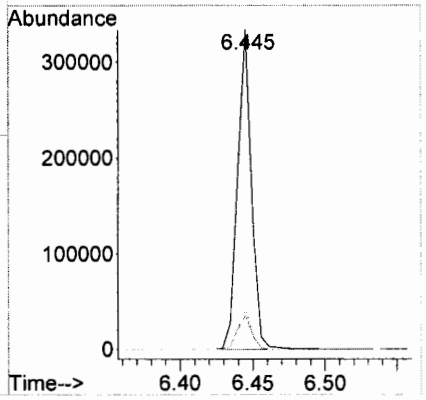

Abundance
TIC: 5M64942.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,I
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,T
Perylene-d12,I
Time-->

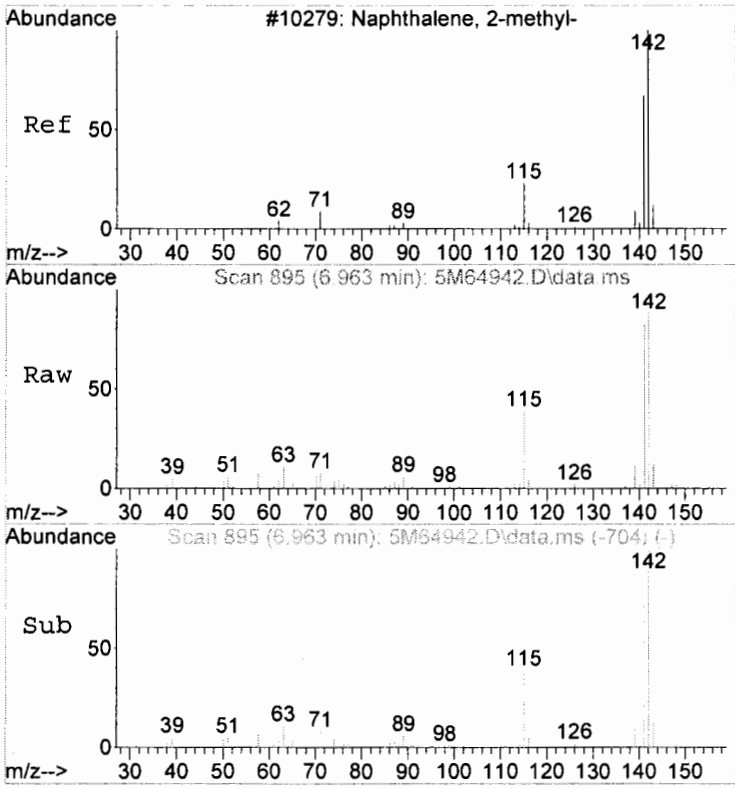


#39
Naphthalene
Concen: 31.17 ng
RT: 6.445 min Scan# 798
Delta R.T. -0.039 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:128 Resp: 223771

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	50.9
127	12.4	0.0	52.4

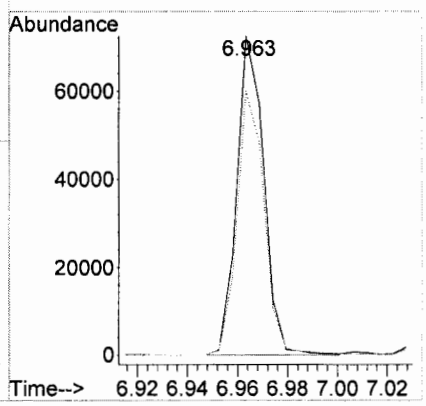


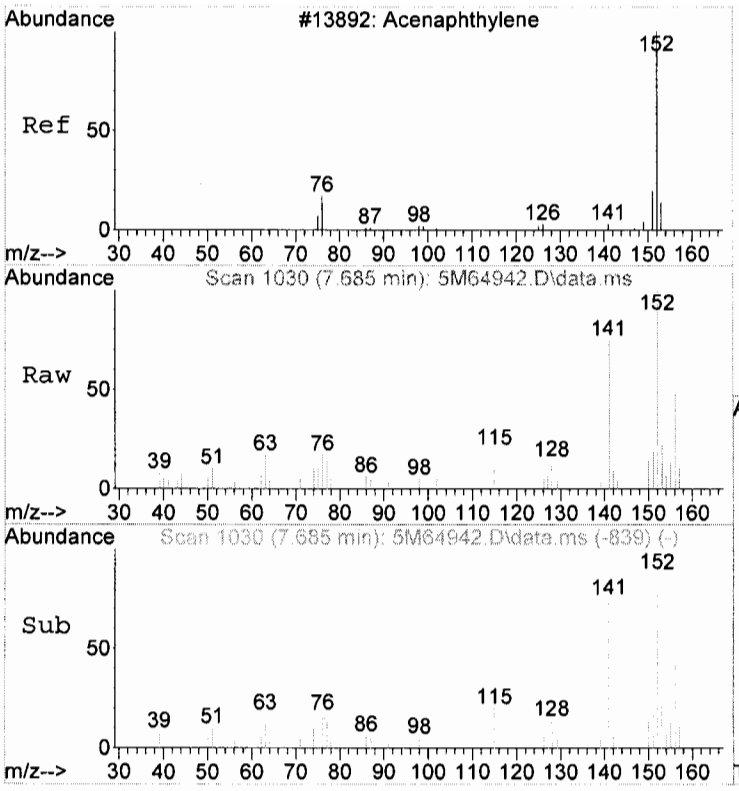


#44
2-Methylnaphthalene
Concen: 12.61 ng
RT: 6.963 min Scan# 895
Delta R.T. -0.045 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:142 Resp: 54251

Ion	Ratio	Lower	Upper
142	100		
141	82.7	44.6	124.6

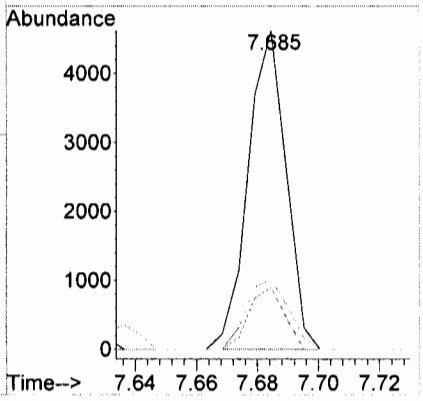


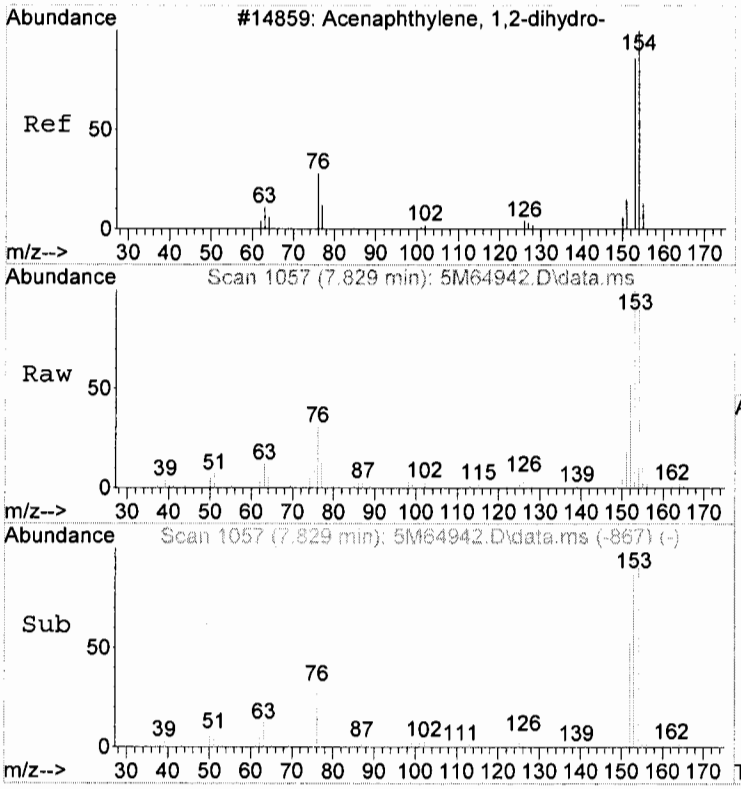


#59
Acenaphthylene
Concen: 0.62 ng
RT: 7.685 min Scan# 1030
Delta R.T. -0.045 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:152 Resp: 3987

Ion	Ratio	Lower	Upper
152	100		
151	19.4	0.0	59.2
153	21.8	0.0	53.2

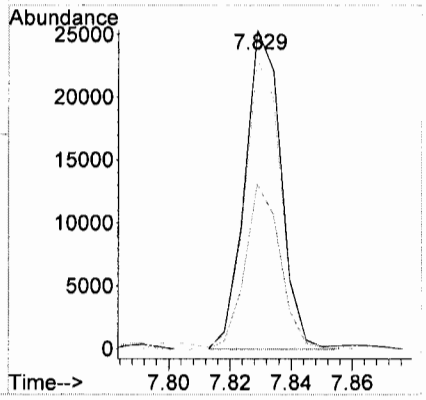


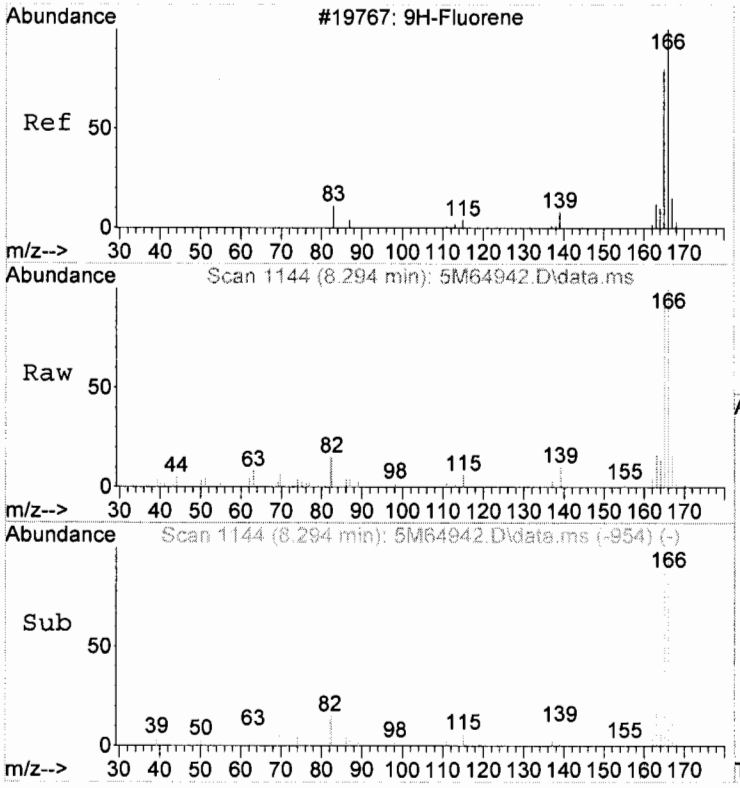


#62
Acenaphthene
Concen: 5.22 ng
RT: 7.829 min Scan# 1057
Delta R.T. -0.050 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:153 Resp: 20870

Ion	Ratio	Lower	Upper
153	100		
152	51.8	10.0	90.0
154	89.7	57.5	137.5

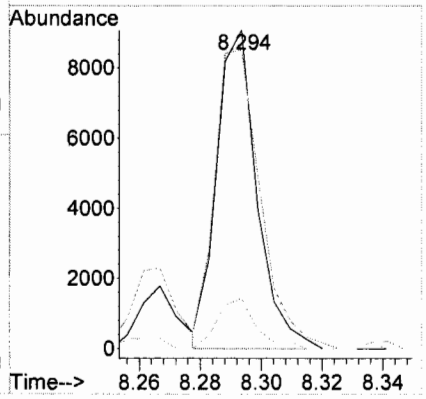


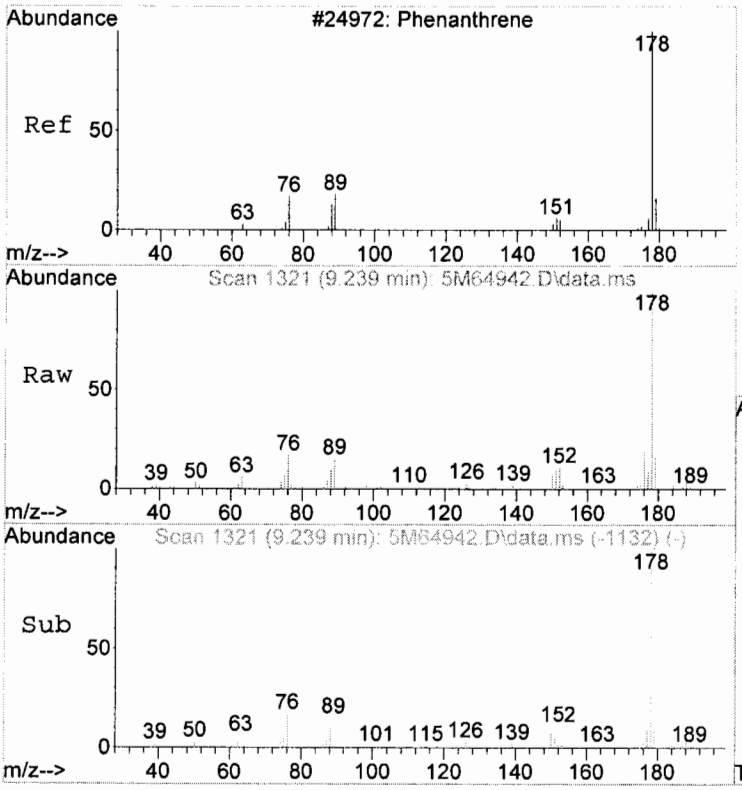


#69
Fluorene
Concen: 1.99 ng
RT: 8.294 min Scan# 1144
Delta R.T. -0.050 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:166 Resp: 8325

Ion	Ratio	Lower	Upper
166	100		
165	93.8	0.0	292.6
167	15.8	0.0	213.2

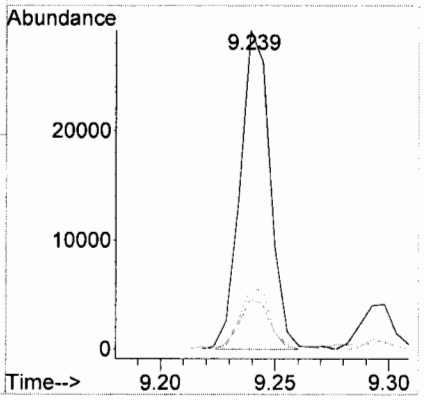


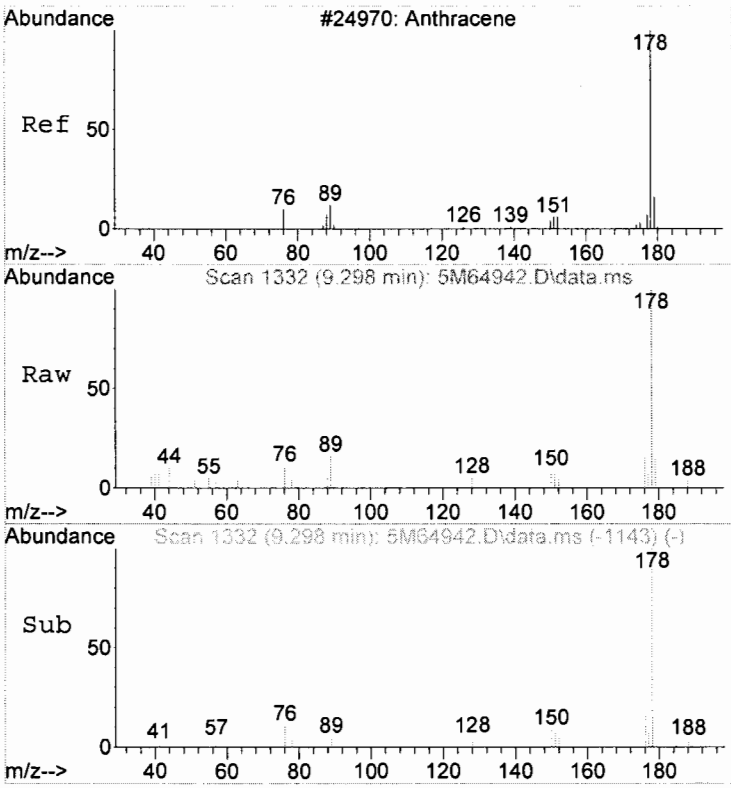


#83
Phenanthrene
Concen: 4.26 ng
RT: 9.239 min Scan# 1321
Delta R.T. -0.055 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:178 Resp: 26765

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	55.5
176	19.0	0.0	59.3

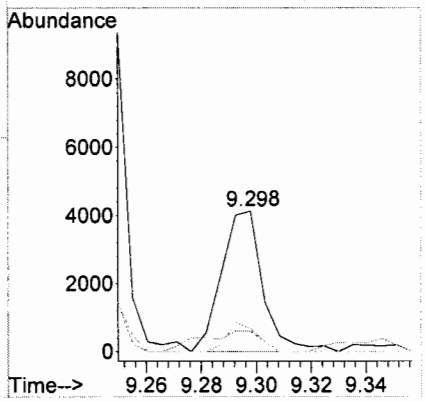


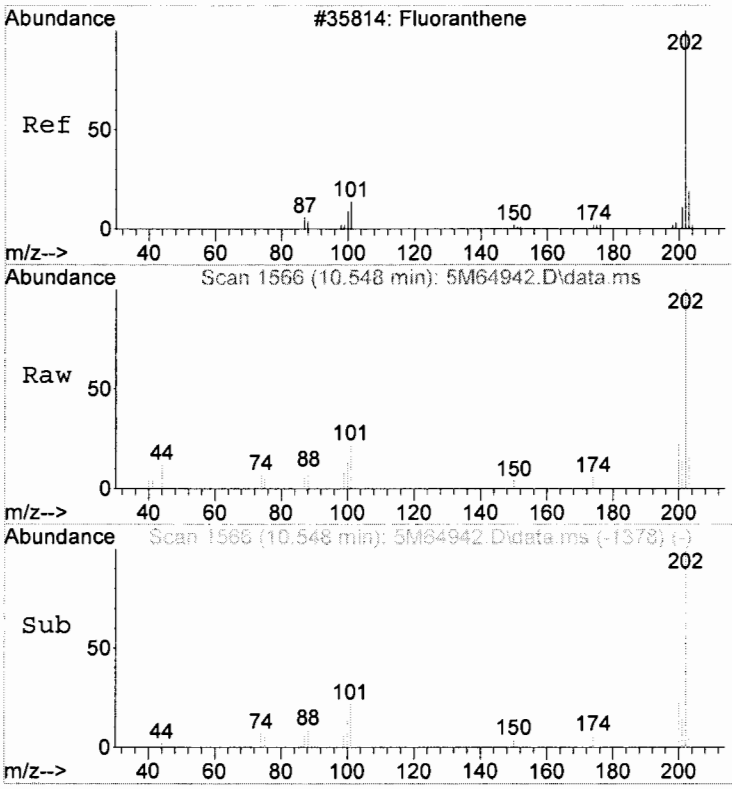


#84
Anthracene
Concen: 0.68 ng
RT: 9.298 min Scan# 1332
Delta R.T. -0.055 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:178 Resp: 4306

Ion	Ratio	Lower	Upper
178	100		
179	8.2	0.0	55.2
176	16.4	0.0	58.1

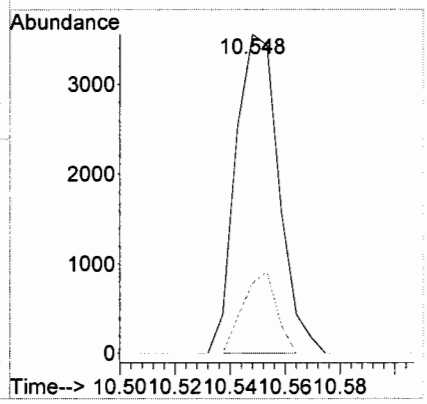


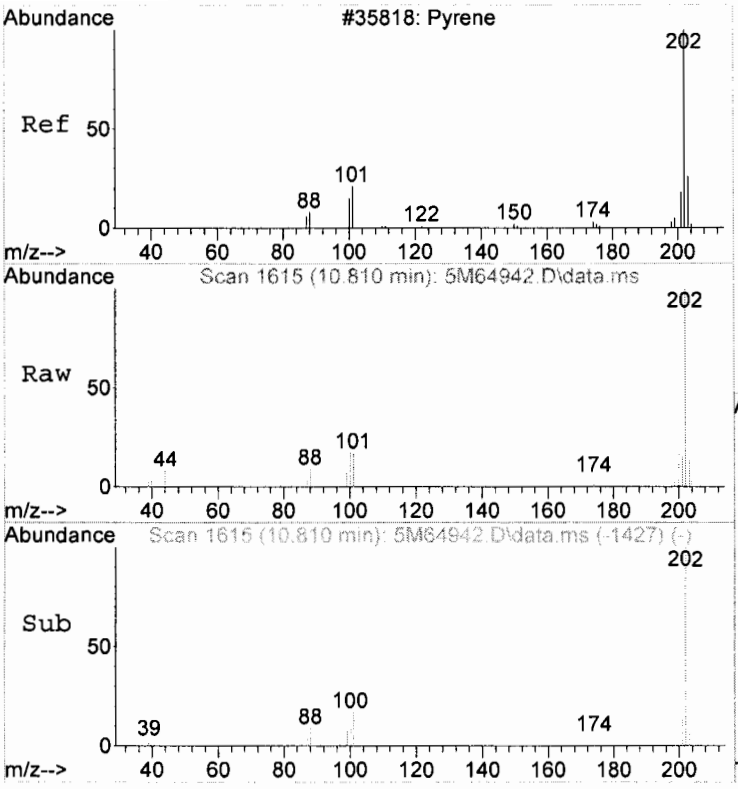


#87
Fluoranthene
Concen: 0.63 ng
RT: 10.548 min Scan# 1566
Delta R.T. -0.061 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:202 Resp: 3890

Ion	Ratio	Lower	Upper
202	100		
101	22.0	0.0	57.6

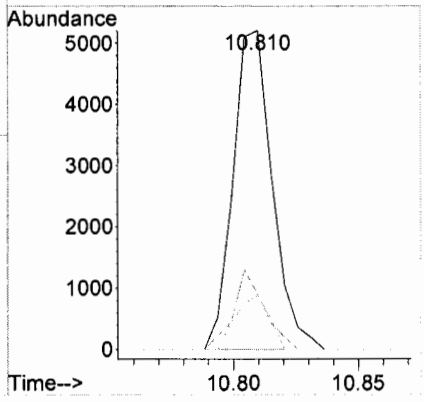


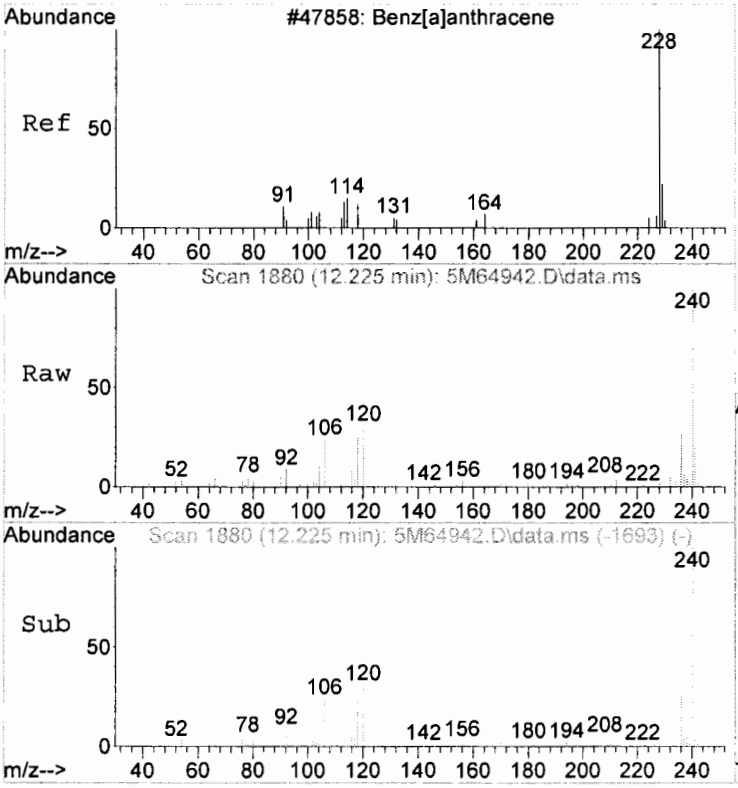


#89
Pyrene
Concen: 0.89 ng
RT: 10.810 min Scan# 1615
Delta R.T. -0.061 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:202 Resp: 5657

Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	62.2
100	17.0	0.0	57.8

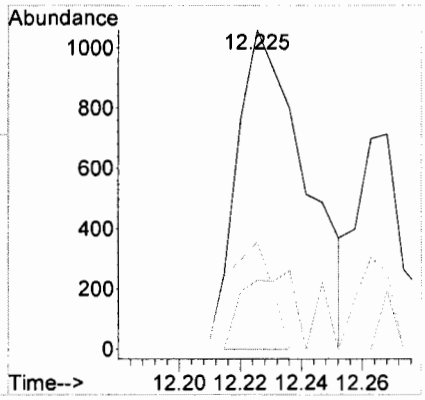




#97
Benzo[a]anthracene
Concen: 0.33 ng
RT: 12.225 min Scan# 1880
Delta R.T. -0.066 min
Lab File: 5M64942.D
Acq: 1 Mar 2011 13:15

Tgt Ion:228 Resp: 1660

Ion	Ratio	Lower	Upper
228	100		
229	21.6	0.0	59.5
226	33.8	0.0	66.0



Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC57100-021(T)
Client Id: ISSS6 large monolith (20th)
Data File: 10M19727.D
Analysis Date: 03/04/11 16:59
Date Rec/Extracted: 02/03/11-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	**218-01-9**	**Chrysene**	**0.16**	**2.0**	**0.24J**
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	**2-Methylnaphthalene**	**0.79**	**2.0**	**12**	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	**206-44-0**	**Fluoranthene**	**0.14**	**2.0**	**0.75J**
99-09-2	3-Nitroaniline	1.9	2.0	U	**86-73-7**	**Fluorene**	**0.20**	**2.0**	**2.5**
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	**91-20-3**	**Naphthalene**	**0.16**	**0.50**	**29**
83-32-9	**Acenaphthene**	**0.21**	**2.0**	**5.1**	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	**Acenaphthylene**	**0.14**	**2.0**	**0.73J**	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	**Anthracene**	**0.34**	**2.0**	**0.76J**	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**2.0**	**0.31J**	**85-01-8**	**Phenanthrene**	**0.15**	**2.0**	**4.7**
50-32-8	**Benzo[a]pyrene**	**0.17**	**2.0**	**0.23J**	108-95-2	Phenol	0.65	2.0	U
205-99-2	Benzo[b]fluoranthene	0.097	2.0	U	**129-00-0**	**Pyrene**	**0.13**	**2.0**	**1.0J**
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

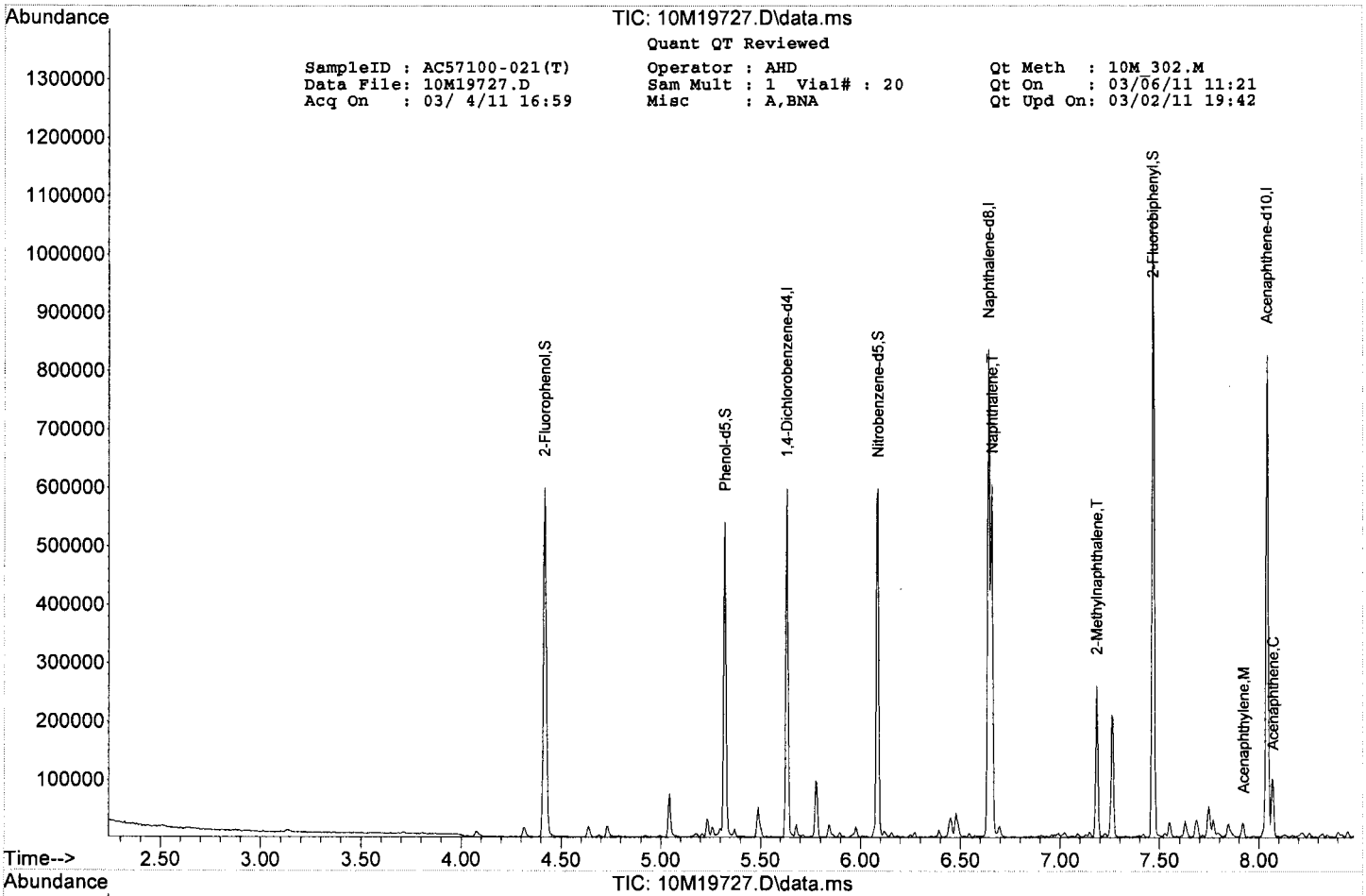
Quantitation Report (QT Reviewed)

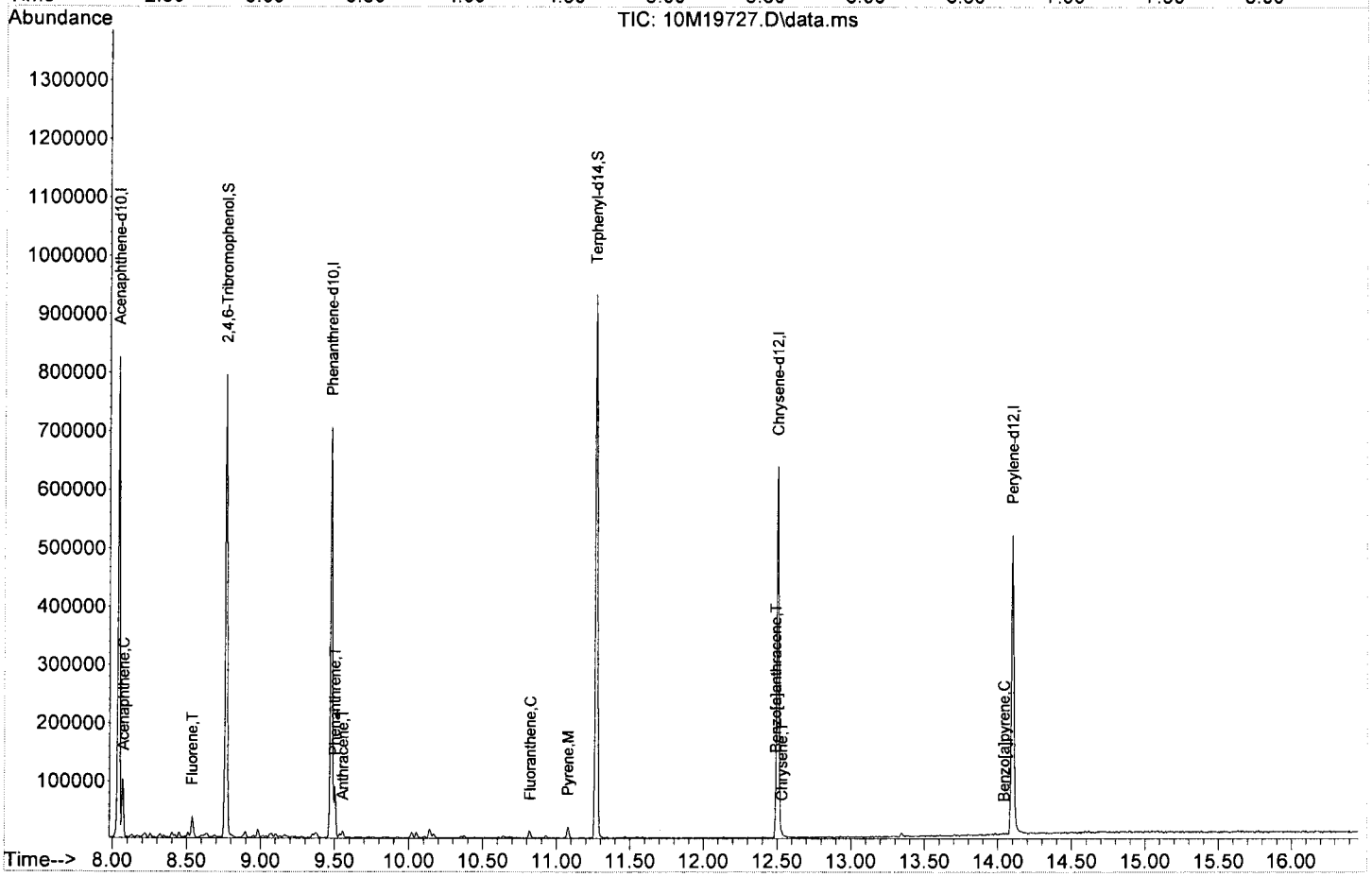
SampleID : AC57100-021(T) Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19727.D Sam Mult : 1 Vial# : 20 Qt On : 03/06/11 11:21
Acq On : 03/ 4/11 16:59 Misc : A,BNA Qt Upd On: 03/02/11 19:42

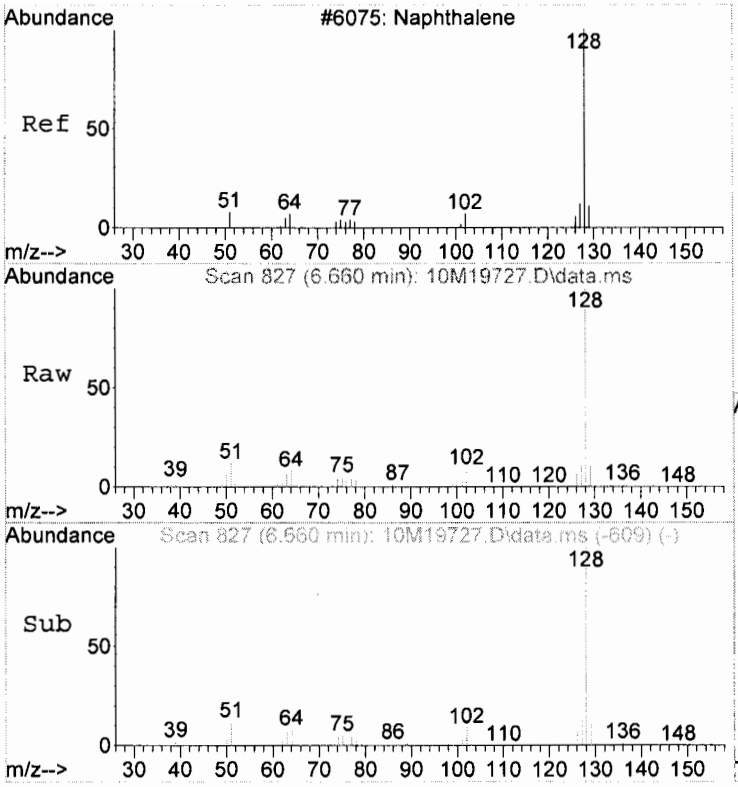
Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	69976	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	281409	40.00	ng	0.00
51) Acenaphthene-d10	8.040	164	156903	40.00	ng	-0.01
85) Phenanthrene-d10	9.479	188	250260	40.00	ng	-0.01
102) Chrysene-d12	12.506	240	229545	40.00	ng	-0.02
115) Perylene-d12	14.100	264	190205	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	157464	66.99	ng	0.00
Spiked Amount 100.000			Recovery = 66.99%			
16) Phenol-d5	5.323	99	141905	47.32	ng	0.00
Spiked Amount 100.000			Recovery = 47.32%			
32) Nitrobenzene-d5	6.088	128	66881	56.47	ng	0.00
Spiked Amount 50.000			Recovery = 112.94%			
56) 2-Fluorobiphenyl	7.468	172	263465	55.28	ng	-0.01
Spiked Amount 50.000			Recovery = 110.56%			
88) 2,4,6-Tribromophenol	8.767	330	53142	118.18	ng	-0.01
Spiked Amount 100.000			Recovery = 118.18%			
105) Terphenyl-d14	11.271	244	268717	57.91	ng	-0.01
Spiked Amount 50.000			Recovery = 115.82%			
Target Compounds						Qvalue
41) Naphthalene	6.660	128	203350	28.73	ng	99
47) 2-Methylnaphthalene	7.184	142	53946	11.84	ng	98
66) Acenaphthylene	7.922	152	4965	0.73	ng	92
69) Acenaphthene	8.072	153	21270	5.11	ng	94
79) Fluorene	8.537	166	12007	2.53	ng	97
95) Phenanthrene	9.500	178	30676	4.66	ng	98
96) Anthracene	9.554	178	5143	0.76	ng	90
101) Fluoranthene	10.821	202	5208	0.75	ng	97
103) Pyrene	11.078	202	7754	1.01	ng	96
112) Benzo[a]anthracene	12.490	228	1929	0.31	ng	74
113) Chrysene	12.533	228	1473	0.24	ng	89
119) Benzo[a]pyrene	14.041	252	1118	0.23	ng	70

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


Abundance
TIC: 10M19727.D\data.ms
Quant QT Reviewed
SampleID : AC57100-021(T)
Data File: 10M19727.D
Acq On : 03/ 4/11 16:59
Operator : AHD
Sam Mult : 1 Vial# : 20
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/06/11 11:21
Qt Upd On: 03/02/11 19:42
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
Time-->

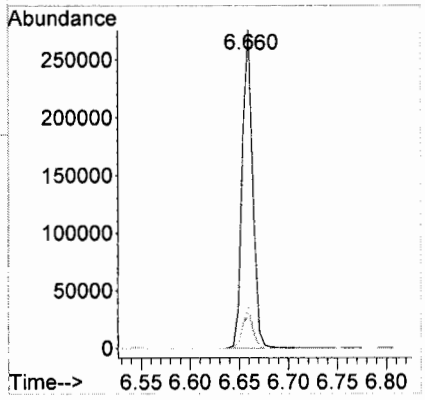

Abundance
TIC: 10M19727.D\data.ms
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Benzo(a)anthracene,T
Chrysene,T
Perylene-d12,I
Benzo(a)pyrene,C
Time-->

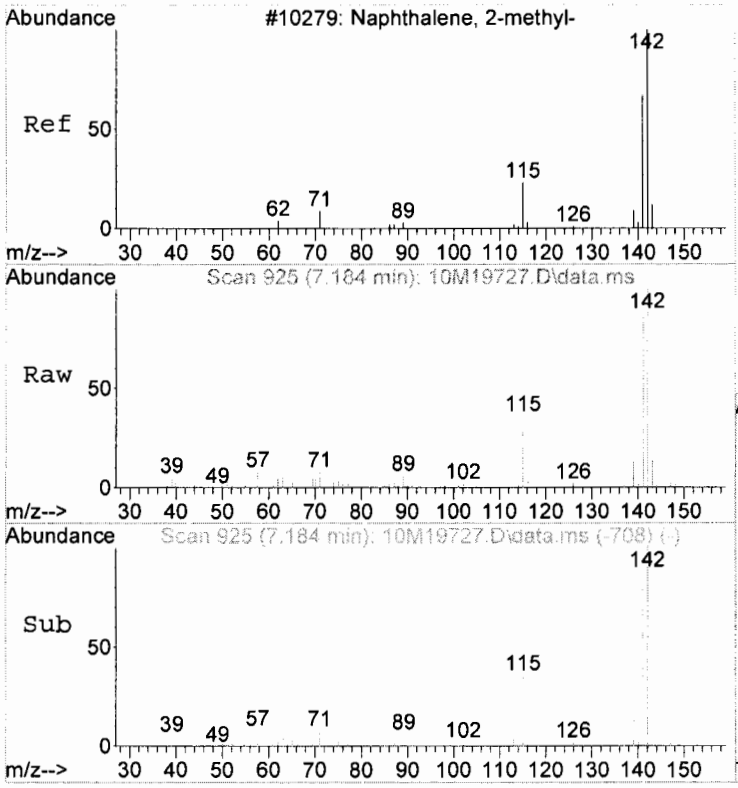


#41
Naphthalene
Concen: 28.73 ng
RT: 6.660 min Scan# 827
Delta R.T. -0.005 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:128 Resp: 203350

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	50.9
127	12.8	0.0	52.4

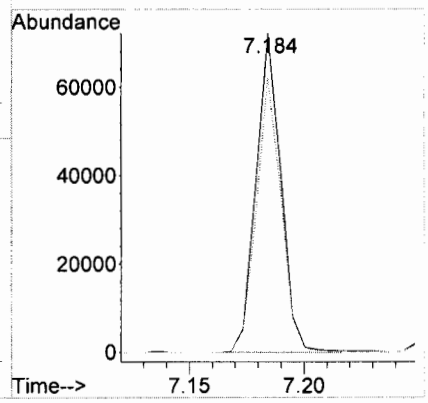


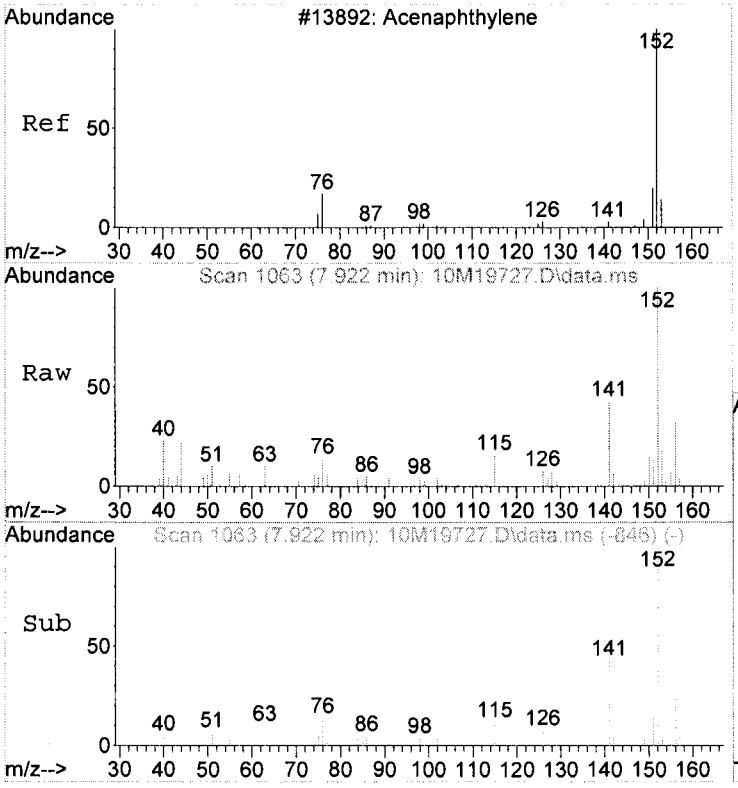


#47
2-Methylnaphthalene
Concen: 11.84 ng
RT: 7.184 min Scan# 925
Delta R.T. -0.011 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:142 Resp: 53946

Ion	Ratio	Lower	Upper
142	100		
141	86.3	44.6	124.6

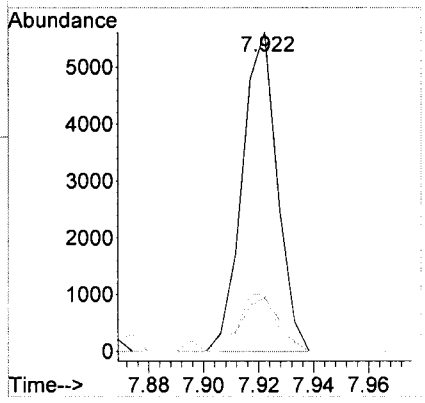


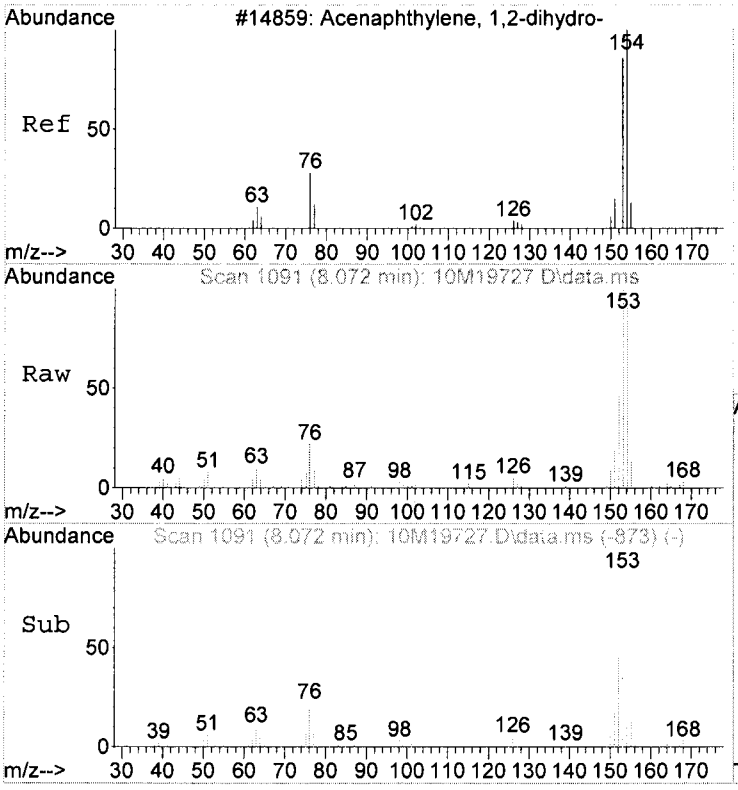


#66
Acenaphthylene
Concen: 0.73 ng
RT: 7.922 min Scan# 1063
Delta R.T. -0.011 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:152 Resp: 4965

Ion	Ratio	Lower	Upper
152	100		
151	16.8	0.0	59.2
153	17.7	0.0	53.2

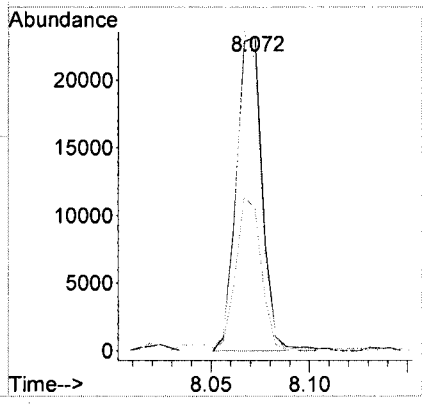


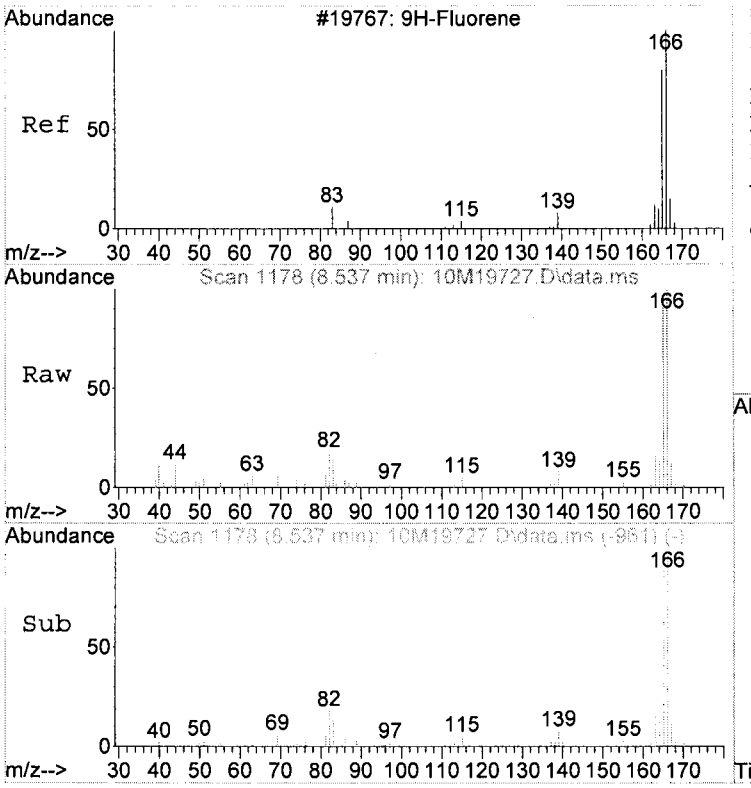


#69
Acenaphthene
Concen: 5.11 ng
RT: 8.072 min Scan# 1091
Delta R.T. -0.005 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:153 Resp: 21270

Ion	Ratio	Lower	Upper
153	100		
152	45.7	10.0	90.0
154	91.8	57.5	137.5

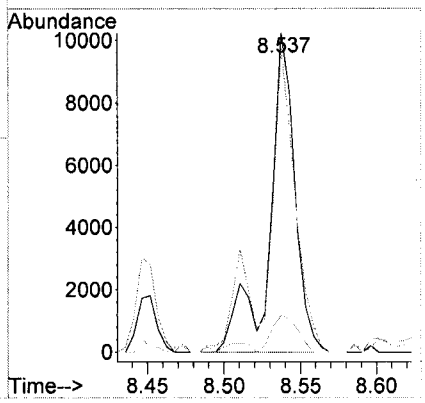


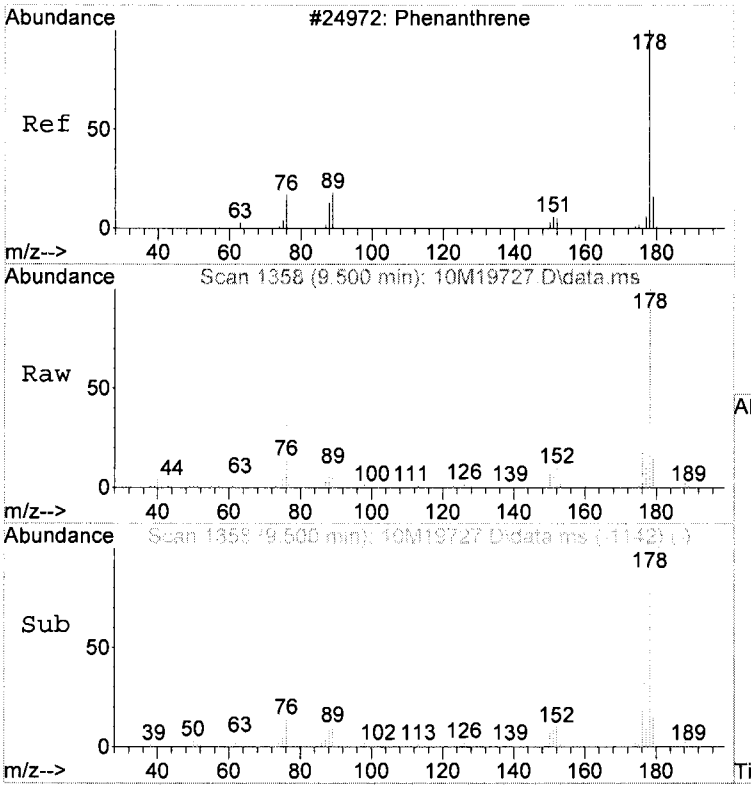


#79
Fluorene
Concen: 2.53 ng
RT: 8.537 min Scan# 1178
Delta R.T. -0.011 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:166 Resp: 12007

Ion	Ratio	Lower	Upper
166	100		
165	95.0	0.0	292.6
167	11.7	0.0	213.2

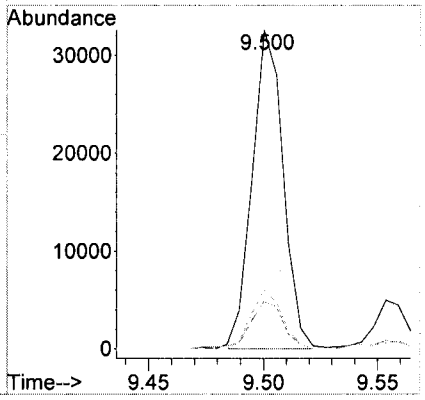


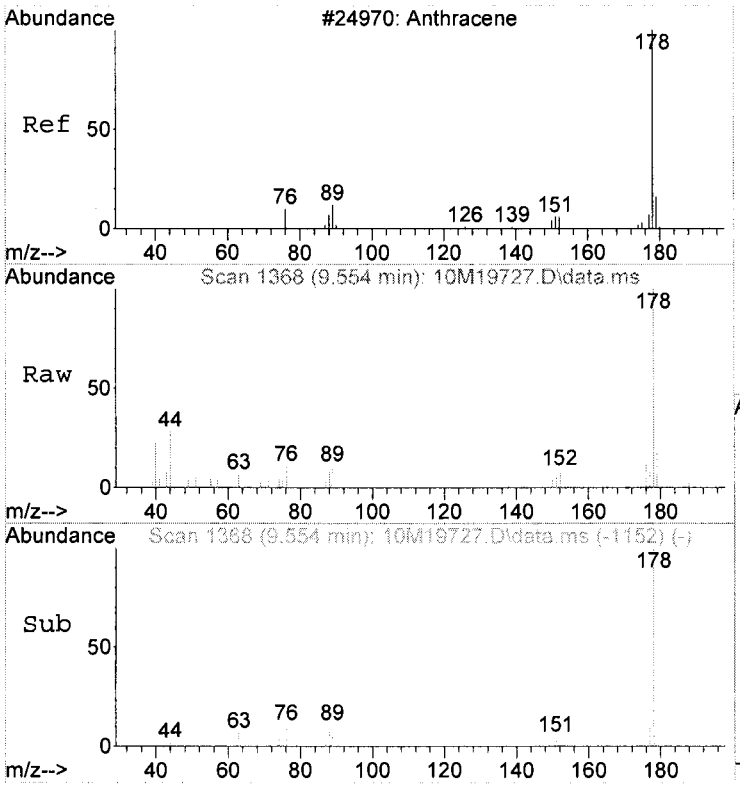


#95
Phenanthrene
Concen: 4.66 ng
RT: 9.500 min Scan# 1358
Delta R.T. -0.016 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:178 Resp: 30676

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	55.5
176	18.4	0.0	59.3

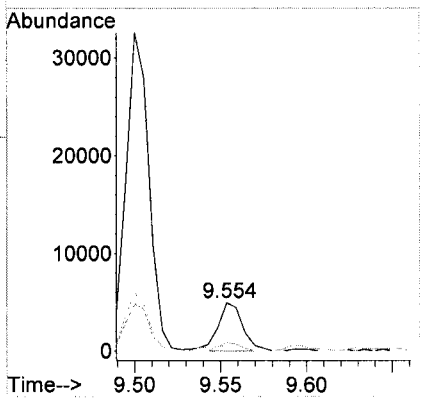


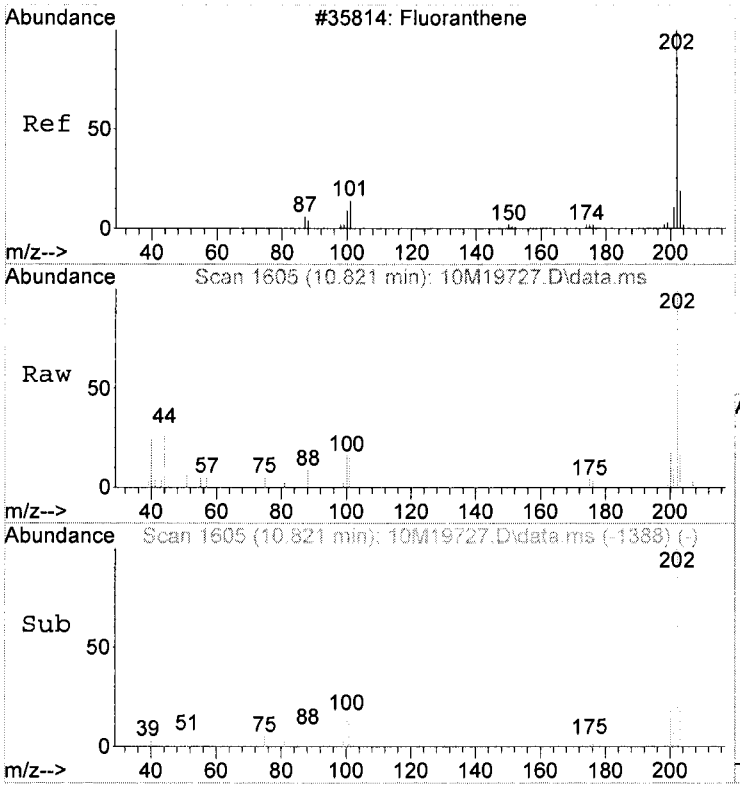


#96
Anthracene
Concen: 0.76 ng
RT: 9.554 min Scan# 1368
Delta R.T. -0.016 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:178 Resp: 5143

Ion	Ratio	Lower	Upper
178	100		
179	17.3	0.0	55.2
176	11.9	0.0	58.1

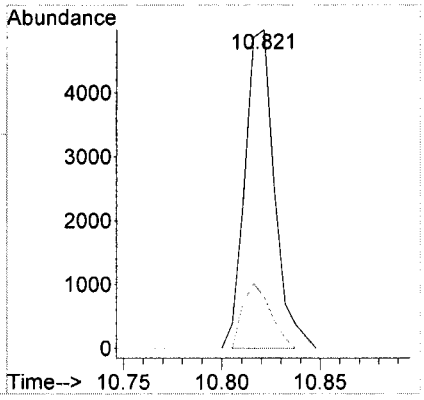


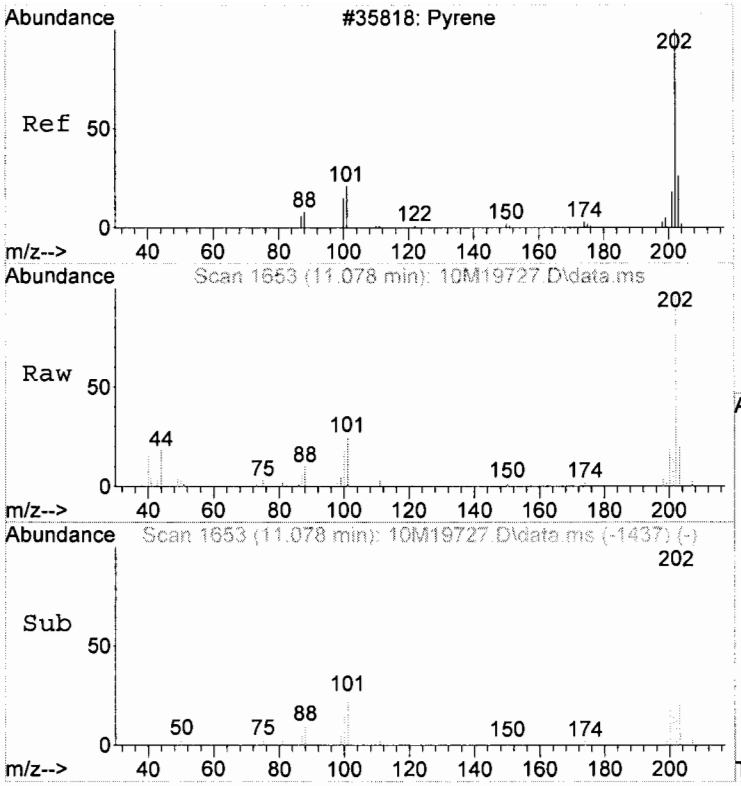


#101
Fluoranthene
Concen: 0.75 ng
RT: 10.821 min Scan# 1605
Delta R.T. -0.011 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:202 Resp: 5208

Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	57.6

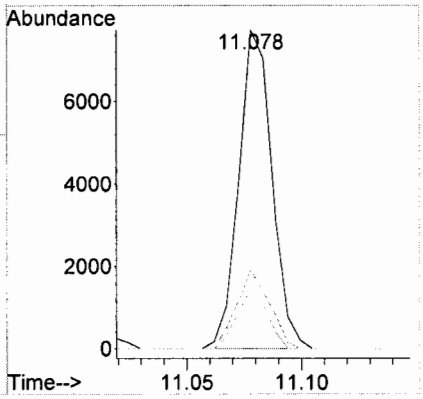


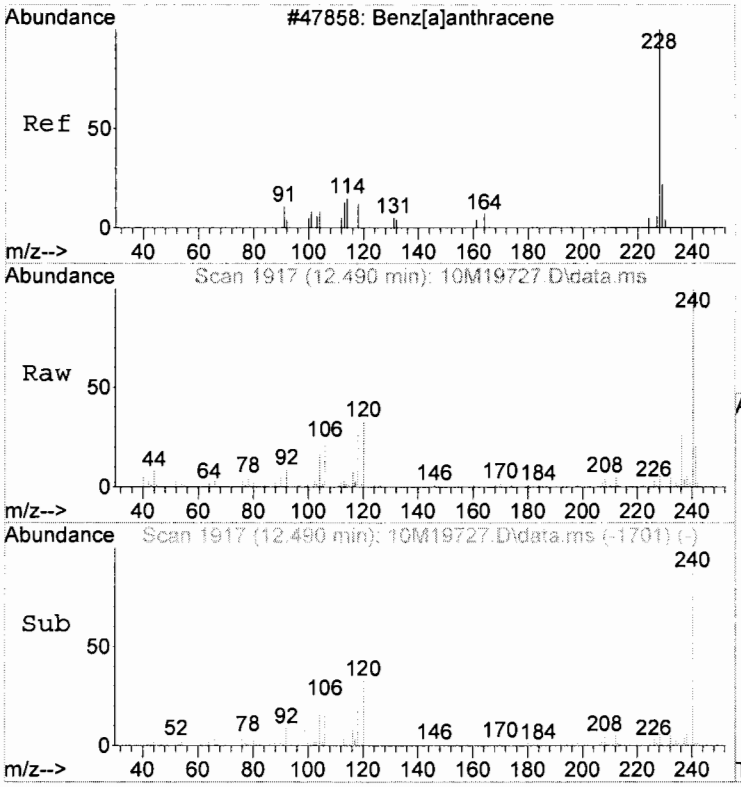


#103
Pyrene
Concen: 1.01 ng
RT: 11.078 min Scan# 1653
Delta R.T. -0.016 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:202 Resp: 7754

Ion	Ratio	Lower	Upper
202	100		
101	24.6	0.0	62.2
100	19.0	0.0	57.8

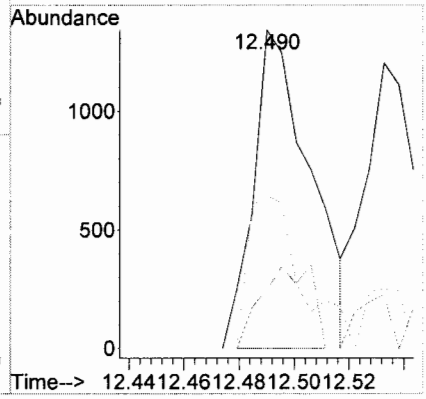


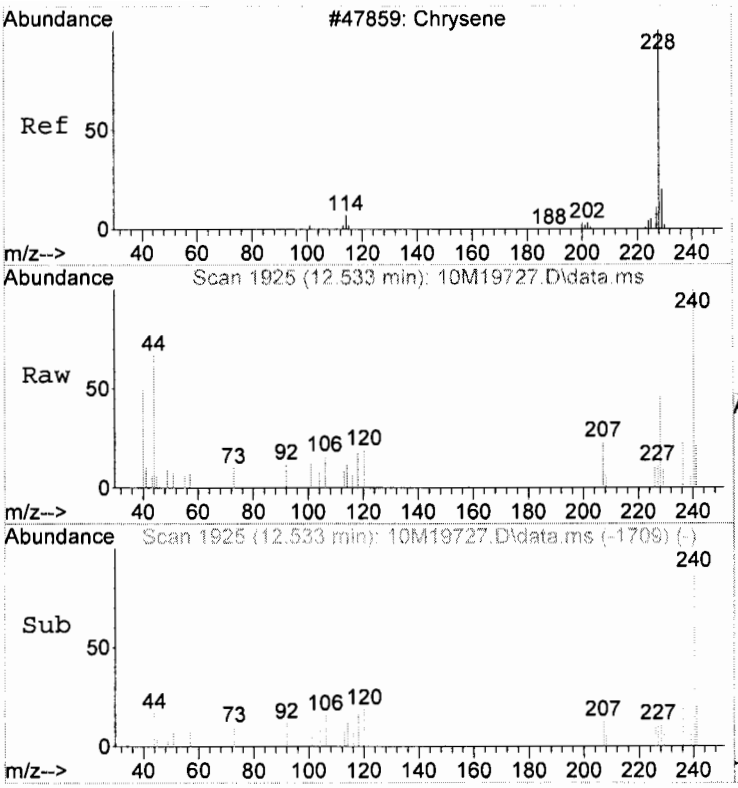


#112
Benzo[a]anthracene
Concen: 0.31 ng
RT: 12.490 min Scan# 1917
Delta R.T. -0.016 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:228 Resp: 1929

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	59.5
226	47.9	0.0	66.0

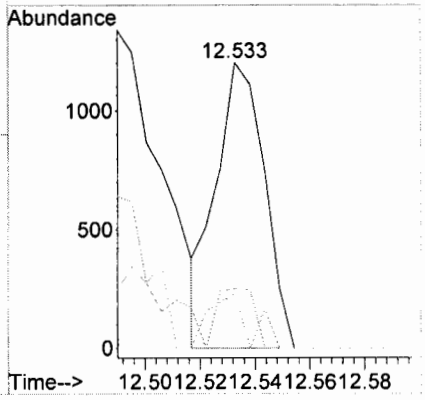


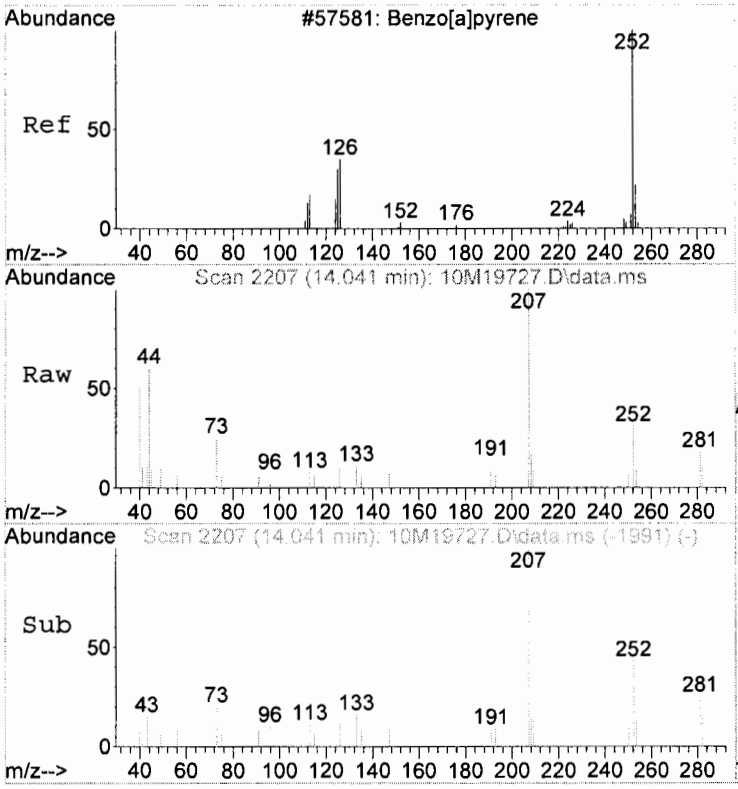


#113
Chrysene
Concen: 0.24 ng
RT: 12.533 min Scan# 1925
Delta R.T. -0.016 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:228 Resp: 1473

Ion	Ratio	Lower	Upper
228	100		
226	20.9	9.5	49.5
229	18.9	0.0	60.2

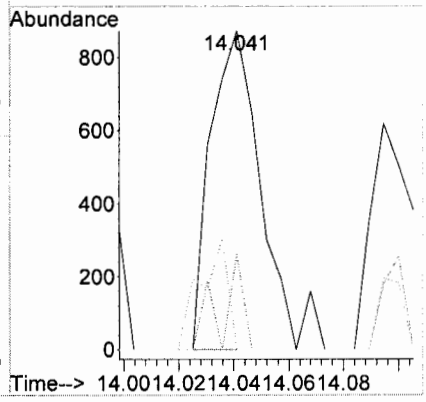




#119
Benzo[a]pyrene
Concen: 0.23 ng
RT: 14.041 min Scan# 2207
Delta R.T. -0.016 min
Lab File: 10M19727.D
Acq: 4 Mar 2011 16:59

Tgt Ion:252 Resp: 1118

Ion	Ratio	Lower	Upper
252	100		
253	29.9	0.0	62.4
125	0.0	0.0	60.9



SPLP
GC/MS Semi-Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0140

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64608.	CAL BNA@50PPM	02/09/11 13:17	2	5M64606.	CAL BNA@2PPM	02/09/11 12:30
3	5M64605.	CAL BNA@10PPM	02/09/11 12:06	4	5M64604.	CAL BNA@20PPM	02/09/11 11:42
5	5M64603.	CAL BNA@80PPM	02/09/11 11:18	6	5M64602.	CAL BNA@120PPM	02/09/11 10:54
7	5M64601.	CAL BNA@160PPM	02/09/11 10:30	8	5M64600.	CAL BNA@196PPM	02/09/11 10:07
9	5M64607.	CAL BNA@0.5PPM	02/09/11 12:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.8936	1.5424	1.8552	1.8169	1.8330	1.8469	1.9178	1.8815	-----	1.82	2.45	1.00	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1493	0.9807	1.0944	1.1011	1.0802	1.1082	1.1126	1.0872	-----	1.09	2.40	1.00	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.4086	1.0465	1.2645	1.3413	1.3373	1.3701	1.3566	1.3506	-----	1.31	4.23	1.00	1.00	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0924	1.1239	1.2164	1.2244	0.9943	0.7335	0.5323	0.4266	-----	0.918	5.06	0.885	0.999	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.4185	1.6167	1.8699	2.1384	2.2090	2.1415	2.0334	1.9866	-----	2.05	5.16	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.5114	0.4747	0.4860	0.4973	0.4795	0.4898	0.4730	0.4582	-----	0.484	5.20	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5869	1.5618	1.5089	1.5495	1.4824	1.5345	1.4585	1.4461	-----	1.52	5.23	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.0501	1.7712	1.9974	1.9515	1.8312	1.8068	1.7333	1.6447	-----	1.85	5.16	0.995	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.3983	1.9159	2.2247	2.2224	2.1623	2.1506	2.0779	2.0033	-----	2.14	5.18	0.997	1.00	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5271	1.3268	1.4600	1.4568	1.3908	1.4443	1.3996	1.3983	-----	1.43	5.27	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.2105	2.1885	2.1838	2.1761	1.9824	1.8995	1.8069	1.6895	-----	2.02	5.33	0.991	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5912	1.4157	1.5184	1.5305	1.4423	1.4645	1.4045	1.3606	-----	1.47	5.39	0.998	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6330	1.6109	1.6084	1.5454	1.4890	1.4412	1.4247	1.3584	-----	1.51	5.46	0.997	1.00	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5189	1.4468	1.5381	1.4673	1.3941	1.3743	1.2918	1.2015	-----	1.40	5.59	0.994	1.00	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0539	0.8609	0.9844	0.9888	0.9885	0.9934	0.9404	0.8919	-----	0.963	5.58	0.995	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.8637	2.8841	2.9906	2.9121	2.5318	2.3462	2.1522	1.9953	-----	2.58	5.69	0.984	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.5144	1.3304	1.4635	1.4515	1.3778	1.3324	1.2854	1.2254	1.2158	1.36	5.68	0.996	1.00	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.3759	2.2007	2.4166	2.3656	2.1575	2.1366	2.0171	1.9237	-----	2.20	5.79	0.995	1.00	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6743	0.6046	0.6679	0.6406	0.6305	0.6243	0.6021	0.5888	-----	0.629	5.86	0.997	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.2616	1.1251	1.3131	1.2681	1.1421	1.1236	1.0423	0.9879	-----	1.16	5.79	0.993	1.00	9.9	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.6550	1.4749	1.5909	1.4953	1.5308	1.5429	1.5303	1.4275	1.2115	1.50	5.81	0.997	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1844	0.1320	0.1670	0.1735	0.1767	0.1803	0.1817	0.1745	-----	0.171	5.91	0.999	0.999	9.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4901	0.4290	0.4666	0.4700	0.4624	0.4547	0.4543	0.4244	-----	0.456	5.92	0.997	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8673	0.7605	0.8857	0.8516	0.8042	0.8017	0.8220	0.7695	-----	0.820	6.12	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1998	0.1457	0.1907	0.1911	0.1912	0.1917	0.2003	0.1858	-----	0.187	6.17	0.999	0.999	9.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.4181	0.3399	0.4013	0.4027	0.3841	0.3824	0.3817	0.3488	0.3367	0.377	6.22	0.995	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2186	-----	0.0857	0.1372	0.2499	0.2865	0.3069	0.2949	-----	0.226	6.31	0.995	0.997	38		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.5110	0.4533	0.5061	0.4950	0.4608	0.4624	0.4509	0.4274	-----	0.471	6.29	0.997	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2932	0.2137	0.2786	0.2801	0.2717	0.2768	0.2650	0.2464	-----	0.266	6.37	0.995	0.999	9.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3154	0.2966	0.3187	0.3091	0.2880	0.2865	0.2828	0.2580	-----	0.294	6.43	0.994	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1403	1.1203	1.1638	1.1135	1.0296	1.0257	0.9859	0.9150	1.2623	1.08	6.48	0.995	1.00	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4399	0.2805	0.3539	0.3667	0.3905	0.3542	0.3196	0.2765	-----	0.348	6.53	0.964	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1369	0.1193	0.1339	0.1288	0.1261	0.1223	0.1224	0.1149	-----	0.126	6.58	0.997	0.999	5.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1359	0.0897	0.1267	0.1245	0.1299	0.1325	0.1318	0.1258	-----	0.125	6.80	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3682	0.2927	0.3610	0.3462	0.3459	0.3473	0.3474	0.3302	-----	0.342	6.90	0.998	0.999	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6865	0.6878	0.7314	0.6683	0.6418	0.6207	0.6118	0.5472	-----	0.649	7.01	0.991	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6865	0.6878	0.7314	0.6683	0.6418	0.6207	0.6118	0.5472	-----	0.649	7.01	0.991	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9161	0.9051	0.9106	0.9099	0.8159	0.7859	0.7647	0.6906	-----	0.837	7.37	0.990	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5400	0.4741	0.5307	0.5154	0.4793	0.4670	0.4504	0.4154	-----	0.484	7.14	0.992	0.999	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	LinF	0.2152	0.0798	0.1574	0.1813	0.2204	0.2239	0.2246	0.2146	-----	0.190	7.13	0.999	0.999	27	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3415	0.2195	0.3009	0.3159	0.3261	0.3248	0.3211	0.3064	-----	0.307	7.23	0.999	1.00	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.50

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0141

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64608.	CAL BNA@50PPM	02/09/11 13:17	2	5M64606.	CAL BNA@2PPM	02/09/11 12:30
3	5M64605.	CAL BNA@10PPM	02/09/11 12:06	4	5M64604.	CAL BNA@20PPM	02/09/11 11:42
5	5M64603.	CAL BNA@80PPM	02/09/11 11:18	6	5M64602.	CAL BNA@120PPM	02/09/11 10:54
7	5M64601.	CAL BNA@160PPM	02/09/11 10:30	8	5M64600.	CAL BNA@196PPM	02/09/11 10:07
9	5M64607.	CAL BNA@0.5PPM	02/09/11 12:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3774	0.2665	0.3447	0.3654	0.3470	0.3552	0.3620	0.3452	----	0.345	7.26	0.999	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3423	1.2737	1.3382	1.2728	1.2008	1.2561	1.2356	1.1837	----	1.26	7.29	0.998	0.999	4.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.2071	1.1439	1.1972	1.1535	1.0665	1.0672	1.0615	0.9999	----	1.11	7.39	0.997	0.999	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.9737	0.9504	0.9837	0.9726	0.8510	0.7993	0.7526	0.6731	----	0.870	7.66	0.983	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9737	0.9504	0.9837	0.9726	0.8510	0.7993	0.7526	0.6731	----	0.870	7.66	0.983	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9212	0.8516	0.9022	0.8899	0.8196	0.7904	0.7749	0.7365	----	0.836	7.45	0.996	0.999	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.6566	0.5350	0.6133	0.6258	0.6006	0.5946	0.5904	0.5746	----	0.599	7.47	0.999	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5395	0.4777	0.5308	0.5328	0.4748	0.4392	0.4293	0.3838	----	0.476	7.64	0.987	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	2.0167	1.8868	2.0082	2.0242	1.8567	1.8145	1.7759	1.6165	----	1.87	7.73	0.995	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3883	1.2420	1.3733	1.3096	1.2387	1.2342	1.2284	1.1734	----	1.27	7.62	0.998	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3066	0.2484	0.2883	0.3014	0.2762	0.2752	0.2687	0.2638	----	0.279	7.67	0.998	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2621	1.2144	1.2513	1.2207	1.1358	1.1098	1.0973	1.0086	----	1.16	7.88	0.994	0.999	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3757	0.2809	0.3317	0.3438	0.3362	0.3201	0.3047	0.2858	----	0.322	7.81	0.992	0.999	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1320	----	0.0559	0.0792	0.1416	0.1574	0.1764	0.1715	----	0.131	7.91	0.994	0.998	35	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7046	1.6526	1.6957	1.6633	1.5529	1.4858	1.4753	1.3464	1.6107	1.58	8.03	0.994	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4090	0.2507	0.3666	0.3888	0.3933	0.3943	0.3860	0.3545	----	0.368	8.01	0.995	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.3593	0.2668	0.2934	0.3108	0.3471	0.3543	0.3568	0.3527	----	0.330	7.97	0.999	0.999	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	LinF	0.2590	0.1468	0.2427	0.2410	0.2479	0.2540	0.2570	0.2460	----	0.237	8.14	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3378	1.2929	1.3681	1.3400	1.2000	1.1048	1.0873	0.9988	----	1.22	8.34	0.990	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.5463	0.5068	0.5653	0.5401	0.4802	0.4458	0.4415	0.4145	----	0.493	8.34	0.994	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4228	1.2711	1.3827	1.4037	1.3004	1.3156	1.3023	1.2284	----	1.33	8.23	0.997	0.999	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4203	0.2968	0.3681	0.3835	0.3796	0.3886	0.4005	0.3796	----	0.377	8.36	0.998	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3666	0.2675	0.3327	0.3552	0.3370	0.3331	0.3344	0.3204	----	0.331	8.98	0.998	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1167	0.0219	0.0700	0.0949	0.1236	0.1277	0.1351	0.1304	----	0.103	8.39	0.997	0.998	38		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6834	0.6204	0.6738	0.6480	0.6334	0.6035	0.6201	0.5794	----	0.633	8.45	0.997	0.999	5.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	LinF	0.0585	0.0326	0.0528	0.0524	0.0568	0.0586	0.0603	0.0567	----	0.0536	8.57	0.998	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.1673	1.0615	1.1618	1.1440	1.0956	1.0586	1.0589	1.0211	----	1.10	8.49	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1606	0.1391	0.1578	0.1473	0.1505	0.1493	0.1488	0.1412	----	0.149	8.81	0.998	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1519	0.1347	0.1521	0.1471	0.1438	0.1393	0.1432	0.1358	----	0.144	8.87	0.998	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7942	0.6407	0.8106	0.7917	0.7373	0.6743	0.6708	0.5997	----	0.715	9.17	0.989	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0782	----	0.0412	0.0558	0.0848	0.0883	0.0922	0.0921	----	0.0761	9.08	0.999	1.00	26	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1398	1.1374	1.1328	1.1131	1.0558	1.0238	1.0270	0.9681	----	1.07	9.29	0.997	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1807	1.0548	1.1309	1.1443	1.0865	1.0501	1.0498	1.0018	----	1.09	9.35	0.998	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1272	1.0017	1.0992	1.0914	1.0664	1.0373	1.0589	1.0072	----	1.06	9.52	0.998	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4404	1.1227	1.3480	1.3982	1.3695	1.3443	1.3696	1.2884	----	1.34	9.92	0.998	0.999	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1369	1.0076	1.0930	1.1210	1.0349	1.0363	1.0650	1.0095	----	1.06	10.61	0.998	0.999	4.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.5304	1.2681	1.5049	1.4135	1.4330	1.4537	1.3961	1.4148	----	1.43	10.87	0.999	0.999	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6671	0.2372	0.3940	0.5129	0.6356	0.5204	0.4482	0.4012	----	0.477	10.77	0.943	0.996	29		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8082	0.7013	0.8066	0.7375	0.7944	0.8361	0.8056	0.8353	----	0.791	11.07	0.999	0.999	6.0		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.2448	0.2177	0.2489	0.2282	0.2396	0.2429	0.2360	0.2336	----	0.237	11.01	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.5007	0.3780	0.4762	0.4639	0.4757	0.4820	0.4586	0.4580	----	0.462	11.40	0.999	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.50

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_5

0142

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64608.	CAL BNA@50PPM	02/09/11 13:17	2	5M64606.	CAL BNA@2PPM	02/09/11 12:30
3	5M64605.	CAL BNA@10PPM	02/09/11 12:06	4	5M64604.	CAL BNA@20PPM	02/09/11 11:42
5	5M64603.	CAL BNA@80PPM	02/09/11 11:18	6	5M64602.	CAL BNA@120PPM	02/09/11 10:54
7	5M64601.	CAL BNA@160PPM	02/09/11 10:30	8	5M64600.	CAL BNA@196PPM	02/09/11 10:07
9	5M64607.	CAL BNA@0.5PPM	02/09/11 12:53				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.8059	0.5472	0.7575	0.7287	0.7842	0.8054	0.7972	0.7934	-----	0.752	11.67	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	LinF	0.3987	0.2368	0.3727	0.3582	0.4000	0.4069	0.4032	0.3939	-----	0.371	11.76	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3454	0.2320	0.2964	0.2933	0.3113	0.2876	0.2699	0.2461	-----	0.285	12.28	0.987	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2038	1.0683	1.1796	1.1436	1.1459	1.1332	1.1242	1.0958	-----	1.14	12.29	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1974	1.1164	1.1815	1.1077	1.1023	1.1013	1.1102	1.0583	-----	1.12	12.33	0.998	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.1321	0.7553	1.0367	1.0102	1.1158	1.1338	1.0902	1.0892	-----	1.05	12.37	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	2.1670	1.2682	1.8737	1.8875	2.1462	2.1965	2.2043	2.2009	-----	1.99	13.12	1.00	1.00	16	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2764	1.0510	1.1580	1.0920	1.1319	1.1867	1.1886	1.1992	-----	1.16	13.50	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2121	1.0678	1.2112	1.1530	1.1613	1.1232	1.1836	1.0998	-----	1.15	13.53	0.997	0.998	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2166	0.9248	1.0760	1.0624	1.0962	1.1177	1.1542	1.1098	-----	1.09	13.84	0.999	0.999	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.0945	0.7828	0.9721	1.0066	0.9943	1.0100	1.0881	1.0230	-----	0.996	15.04	0.997	0.997	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9111	0.6350	0.7802	0.8478	0.8329	0.8472	0.9040	0.8525	-----	0.826	15.07	0.998	0.998	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9416	0.7218	0.7985	0.8516	0.8170	0.8422	0.9254	0.8655	-----	0.846	15.37	0.996	0.996	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.50

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 5M64608.D
Acq On : 02/ 9/11 13:17

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_0209.M
Qt On : 02/09/11 13:56
Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	80006	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	318132	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	168506	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	286861	40.00	ng	0.00
88) Chrysene-d12	12.302	240	226195	40.00	ng	0.00
100) Perylene-d12	13.894	264	195009	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.230	112	140878	52.73	ng	0.00
Spiked Amount 100.000			Recovery = 52.73%			
15) Phenol-d5	5.165	99	205027	54.50	ng	0.00
Spiked Amount 100.000			Recovery = 54.50%			
30) Nitrobenzene-d5	5.907	128	36669	25.60	ng	0.00
Spiked Amount 50.000			Recovery = 51.20%			
52) 2-Fluorobiphenyl	7.286	172	141371	27.22	ng	0.00
Spiked Amount 50.000			Recovery = 54.44%			
77) 2,4,6-Tribromophenol	8.573	330	21007	53.51	ng	0.00
Spiked Amount 100.000			Recovery = 53.51%			
91) Terphenyl-d14	11.068	244	114257	25.08	ng	0.00
Spiked Amount 50.000			Recovery = 50.16%			
Target Compounds						Qvalue
8) Pyridine	2.451	79	189374	51.22	ng	86
9) N-Nitrosodimethylamine	2.398	74	114940	51.94	ng	87
11) Benzaldehyde	5.058	77	109256	45.17	ng	90
12) Aniline	5.160	93	241876	60.59	ng	79
13) Pentachloroethane	5.202	117	51153	53.28	ng	92
14) bis(2-Chloroethyl)ether	5.229	93	158708	51.51	ng	90
16) Phenol	5.176	94	239854	55.67	ng	93
17) 2-Chlorophenol	5.272	128	152723	53.20	ng	92
18) N-Decane	5.325	57	221069	55.38	ng	93
19) 1,3-Dichlorobenzene	5.395	146	159141	53.44	ng	99
20) 1,4-Dichlorobenzene	5.464	146	163316	54.37	ng	96
21) 1,2-Dichlorobenzene	5.587	146	151904	54.75	ng	97
22) Benzyl alcohol	5.576	108	105399	54.02	ng	81
23) bis(2-chloroisopropyl)...	5.688	45	286395	56.80	ng	99
24) 2-Methylphenol	5.683	108	151456	55.05	ng	94
25) Acetophenone	5.790	105	237612	53.43	ng	66
26) Hexachloroethane	5.865	117	67440	54.38	ng	95
27) N-Nitroso-di-n-propyla...	5.790	70	126170	54.19	ng	86
28) 3&4-Methylphenol	5.811	108	165515	53.93	ng	97
31) Nitrobenzene	5.923	77	194897	53.29	ng	91
32) Isophorone	6.116	82	344928	53.00	ng	96
33) 2-Nitrophenol	6.175	139	79469	52.47	ng	86
34) 2,4-Dimethylphenol	6.223	107	166297	54.42	ng	100
35) Benzoic Acid	6.313	105	86948m	54.52	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	203231	54.73	ng	98
37) 2,4-Dichlorophenol	6.372	162	116626	54.60	ng	93
38) 1,2,4-Trichlorobenzene	6.426	180	125427	54.17	ng	100
39) Naphthalene	6.484	128	453468	53.80	ng	99
40) 4-Chloroaniline	6.527	127	174966	57.03	ng	100
41) Hexachlorobutadiene	6.581	225	54475	53.29	ng	97
42) Caprolactam	6.800	113	54079	53.25	ng	65
43) 4-Chloro-3-methylphenol	6.901	107	146434	53.63	ng	95
44) 2-Methylnaphthalene	7.008	142	273031	52.54	ng	99
45) Methylnaphthalenes (To...	7.008	142	273031	52.54	ng	99
46) 1,1'-Biphenyl	7.371	154	364303	55.13	ng	97
48) 1,2,4,5-Tetrachloroben...	7.136	216	113755	57.11	ng	98
49) Hexachlorocyclopentadiene	7.126	237	45329	49.18	ng	94
50) 2,4,6-Trichlorophenol	7.227	196	71940	54.75	ng	98
51) 2,4,5-Trichlorophenol	7.264	196	79498	54.68	ng	98
53) 2-Chloronaphthalene	7.387	162	254266	55.37	ng	96
54) 1,4-Dimethylnaphthalene	7.660	156	205100	57.20	ng	95
55) Dimethylnaphthalenes (...	7.660	156	205100	57.20	ng	95
56) Diphenyl Ether	7.451	170	194049	54.79	ng	93
57) 2-Nitroaniline	7.467	65	138313	55.74	ng	86
58) Coumarin	7.644	146	113638	57.28	ng	84
59) Acenaphthylene	7.729	152	424782	54.73	ng	99
60) Dimethylphthalate	7.617	163	292423	55.10	ng	99
61) 2,6-Dinitrotoluene	7.670	165	64593	56.39	ng	71
62) Acenaphthene	7.879	153	265840	54.76	ng	97
63) 3-Nitroaniline	7.809	138	79153	62.82	ng	35
64) 2,4-Dinitrophenol	7.905	184	27818	50.10	ng	51
65) Dibenzofuran	8.028	168	359057	54.36	ng	93

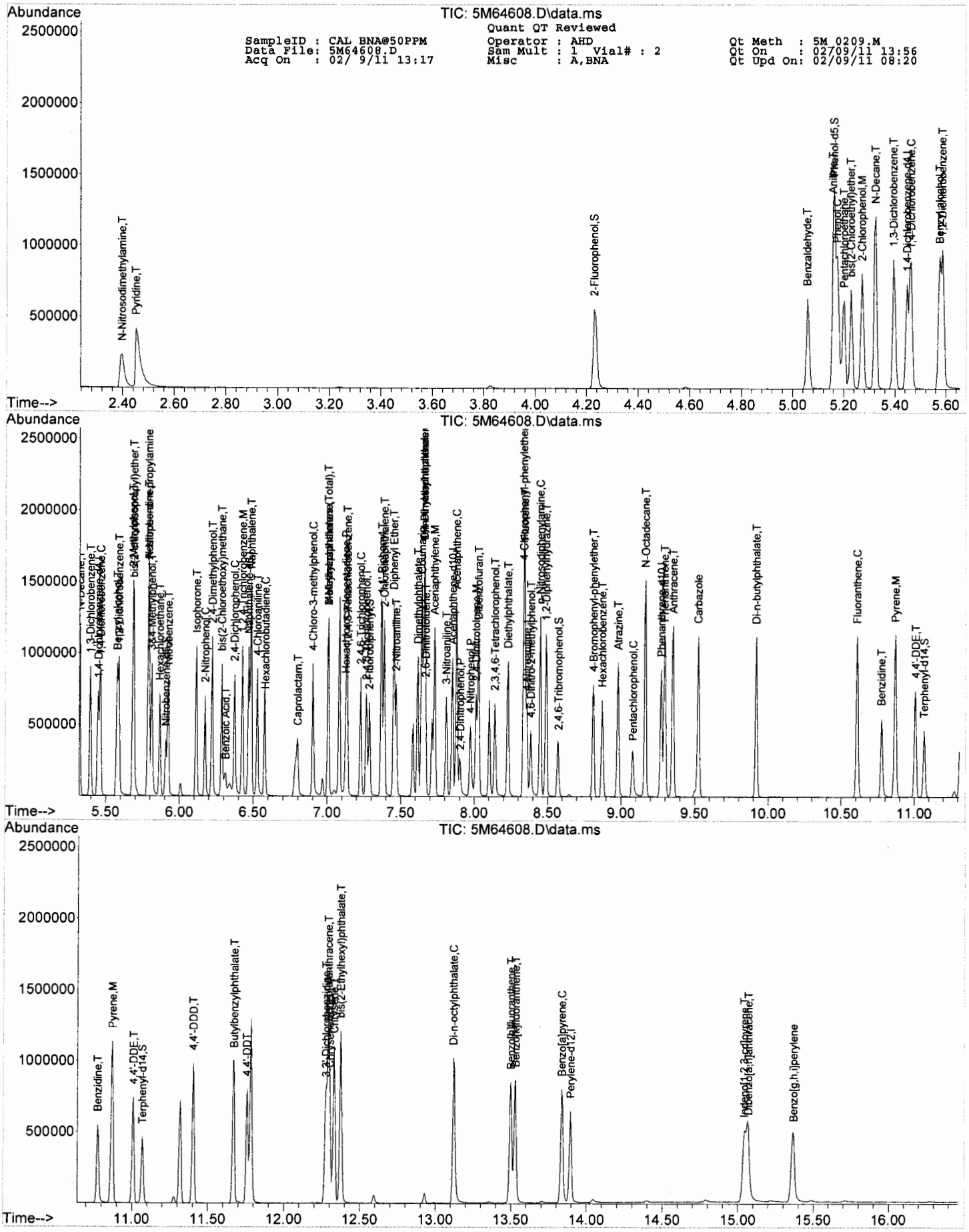
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64608.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:56
Acq On : 02/ 9/11 13:17 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.012	165	86167	55.70	ng	97
67)	4-Nitrophenol	7.975	65	75698	51.23	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.141	232	54563	54.66	ng	95
69)	Fluorene	8.344	166	281789	55.62	ng	100
70)	4-Chlorophenyl-phenyle...	8.338	204	115077	56.50	ng	99
71)	Diethylphthalate	8.231	149	299699	53.43	ng	99
72)	4-Nitroaniline	8.360	138	88544	56.15	ng	90
73)	Atrazine	8.979	200	77231	55.21	ng	99
75)	4,6-Dinitro-2-methylph...	8.386	198	41860	50.70	ng	31
76)	n-Nitrosodiphenylamine	8.450	169	245061	54.05	ng	98
78)	1,2-Diphenylhydrazine	8.488	77	418586	54.20	ng	99
79)	4-Bromophenyl-phenylether	8.814	248	57588	54.51	ng	95
80)	Hexachlorobenzene	8.872	284	54468	52.42	ng	98
81)	N-Octadecane	9.166	57	284792	56.35	ng	91
82)	Pentachlorophenol	9.081	266	28048	51.22	ng	98
83)	Phenanthrene	9.294	178	408720	53.70	ng	98
84)	Anthracene	9.353	178	423371	54.79	ng	99
85)	Carbazole	9.524	167	404190	53.10	ng	99
86)	Di-n-butylphthalate	9.919	149	516516	53.73	ng	98
87)	Fluoranthene	10.609	202	407682	53.95	ng	92
89)	Pyrene	10.870	202	432728	53.37	ng	99
90)	Benzidine	10.774	184	188625	47.67	ng	100
92)	4,4'-DDE	11.009	246	69233	52.61	ng	90
93)	4,4'-DDD	11.405	235	141576	53.64	ng	82
94)	Butylbenzylphthalate	11.672	149	227878	52.53	ng	95
95)	4,4'-DDT	11.757	235	112742	52.01	ng	82
96)	3,3'-Dichlorobenzidine	12.275	252	97685	61.96	ng	99
97)	Benzo[a]anthracene	12.291	228	340368	52.52	ng	99
98)	Chrysene	12.329	228	338573	53.72	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.372	149	320118	54.03	ng	98
101)	Di-n-octylphthalate	13.120	149	528245	54.76	ng	99
102)	Benzo[b]fluoranthene	13.499	252	311154	54.66	ng	97
103)	Benzo[k]fluoranthene	13.531	252	295483	54.50	ng	98
104)	Benzo[a]pyrene	13.835	252	296576	56.02	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.043	276	266811	54.51	ng	77
106)	Dibenzo[a,h]anthracene	15.069	278	222096	54.67	ng	93
107)	Benzo[g,h,i]perylene	15.369	276	229540	55.66	ng	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64608.D
Acq On : 02/ 9/11 13:17
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 13:56
Qt Upd On: 02/09/11 08:20
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64606.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:53
Acq On : 02/ 9/11 12:30 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	83490	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	336064	40.00	ng	0.00
47) Acenaphthene-d10	7.847	164	180447	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	309124	40.00	ng	0.00
88) Chrysene-d12	12.297	240	248781	40.00	ng	0.00
100) Perylene-d12	13.894	264	207853	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	4369	1.57	ng	0.00
Spiked Amount 100.000			Recovery = 1.57%			
15) Phenol-d5	5.165	99	7394	1.88	ng	0.00
Spiked Amount 100.000			Recovery = 1.88%			
30) Nitrobenzene-d5	5.908	128	1109	0.73	ng	0.00
Spiked Amount 50.000			Recovery = 1.46%			
52) 2-Fluorobiphenyl	7.286	172	5746	1.03	ng	0.00
Spiked Amount 50.000			Recovery = 2.06%			
77) 2,4,6-Tribromophenol	8.573	330	505	1.19	ng	0.00
Spiked Amount 100.000			Recovery = 1.19%			
91) Terphenyl-d14	11.068	244	4362	0.87	ng	0.00
Spiked Amount 50.000			Recovery = 1.74%			
Target Compounds						Qvalue
8) Pyridine	2.499	79	6439	1.67	ng	81
9) N-Nitrosodimethylamine	2.419	74	4094	1.77	ng	90
11) Benzaldehyde	5.058	77	4692	1.86	ng	77
12) Aniline	5.160	93	6749	1.62	ng	51
13) Pentachloroethane	5.197	117	1982	1.98	ng	90
14) bis(2-Chloroethyl)ether	5.224	93	6520	2.03	ng	94
16) Phenol	5.181	94	7998	1.78	ng	92
17) 2-Chlorophenol	5.272	128	5539	1.85	ng	92
18) N-Decane	5.320	57	9136	2.19	ng	96
19) 1,3-Dichlorobenzene	5.395	146	5910	1.90	ng	98
20) 1,4-Dichlorobenzene	5.459	146	6725	2.15	ng	90
21) 1,2-Dichlorobenzene	5.587	146	6040	2.09	ng	99
22) Benzyl alcohol	5.576	108	3594	1.77	ng	87
23) bis(2-chloroisopropyl)...	5.689	45	12040	2.29	ng	97
24) 2-Methylphenol	5.683	108	5554	1.93	ng	90
25) Acetophenone	5.785	105	9187	1.98	ng	71
26) Hexachloroethane	5.865	117	2524	1.95	ng	98
27) N-Nitroso-di-n-propyla...	5.790	70	4697	1.93	ng	81
28) 3&4-Methylphenol	5.811	108	6157	1.92	ng	94
31) Nitrobenzene	5.918	77	7209	1.87	ng	94
32) Isophorone	6.111	82	12779	1.86	ng	96
33) 2-Nitrophenol	6.175	139	2449	1.53	ng	86
34) 2,4-Dimethylphenol	6.223	107	5713	1.77	ng	97
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.282	93	7617	1.94	ng	99
37) 2,4-Dichlorophenol	6.372	162	3591	1.59	ng	94
38) 1,2,4-Trichlorobenzene	6.426	180	4985	2.04	ng	99
39) Naphthalene	6.485	128	18825	2.11	ng	99
40) 4-Chloroaniline	6.527	127	4714	1.26	ng	96
41) Hexachlorobutadiene	6.575	225	2005	1.86	ng	76
42) Caprolactam	6.768	113	1508	1.41	ng	54
43) 4-Chloro-3-methylphenol	6.901	107	4919	1.71	ng	98
44) 2-Methylnaphthalene	7.003	142	11558	2.11	ng	91
45) Methylnaphthalenes (To...	7.003	142	11558	2.11	ng	91
46) 1,1'-Biphenyl	7.366	154	15209	2.18	ng	97
48) 1,2,4,5-Tetrachloroben...	7.131	216	4278	2.01	ng	94
49) Hexachlorocyclopentadiene	7.126	237	720	0.73	ng	90
50) 2,4,6-Trichlorophenol	7.227	196	1981	1.41	ng	89
51) 2,4,5-Trichlorophenol	7.265	196	2405	1.54	ng	95
53) 2-Chloronaphthalene	7.387	162	10321	2.10	ng	96
54) 1,4-Dimethylnaphthalene	7.654	156	8575	2.23	ng	91
55) Dimethylnaphthalenes (...	7.654	156	8575	2.23	ng	91
56) Diphenyl Ether	7.451	170	7684	2.03	ng	96
57) 2-Nitroaniline	7.468	65	4827	1.82	ng	90
58) Coumarin	7.638	146	4310	2.03	ng	86
59) Acenaphthylene	7.729	152	17024	2.05	ng	96
60) Dimethylphthalate	7.612	163	11206	1.97	ng	99
61) 2,6-Dinitrotoluene	7.665	165	2242	1.83	ng	92
62) Acenaphthene	7.879	153	10957	2.11	ng	97
63) 3-Nitroaniline	7.809	138	2535	1.88	ng	30
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.028	168	14911	2.11	ng	96

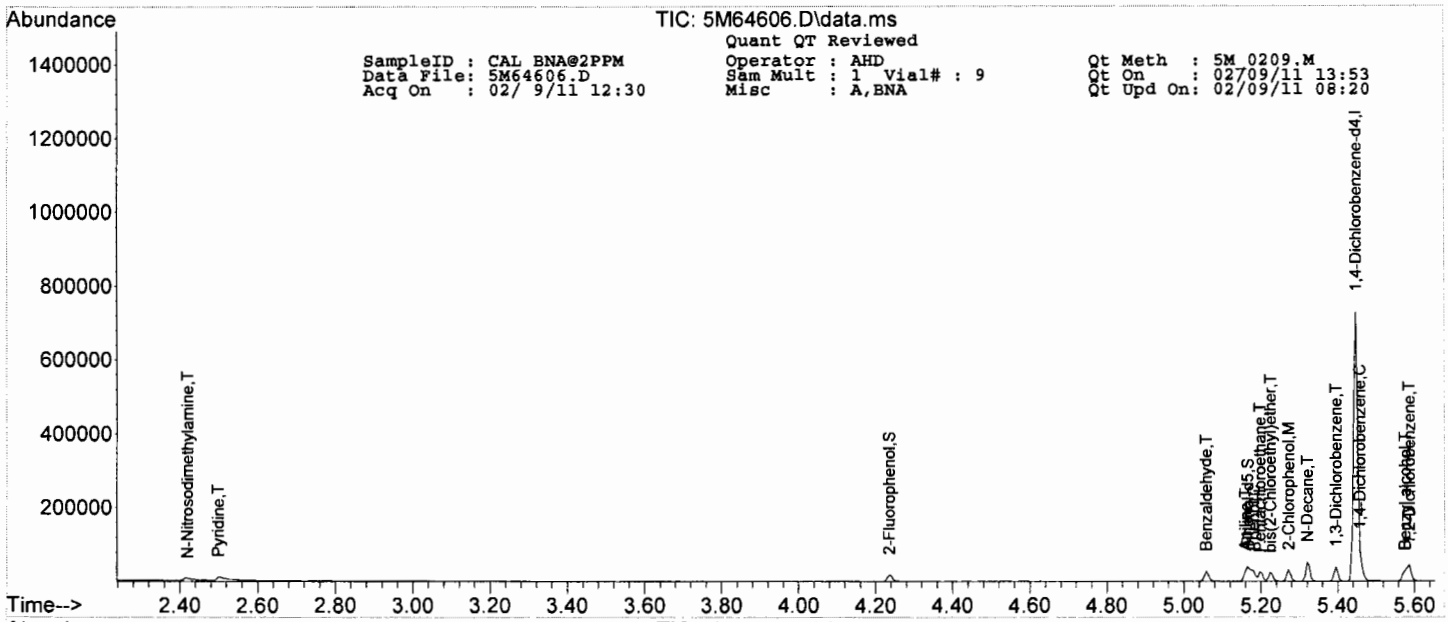
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64606.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:53
Acq On : 02/ 9/11 12:30 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.012	165	2262	1.37	ng	85
67)	4-Nitrophenol	7.980	65	2408	1.52	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.141	232	1325	1.24	ng	93
69)	Fluorene	8.338	166	11665	2.15	ng	98
70)	4-Chlorophenyl-phenyle...	8.338	204	4573	2.10	ng	97
71)	Diethylphthalate	8.226	149	11469	1.91	ng	98
72)	4-Nitroaniline	8.354	138	2678	1.59	ng	92
73)	Atrazine	8.974	200	2414	1.61	ng	92
75)	4,6-Dinitro-2-methylph...	8.386	198	339	0.41	ng	24
76)	n-Nitrosodiphenylamine	8.445	169	9589	1.96	ng	97
78)	1,2-Diphenylhydrazine	8.488	77	16407	1.97	ng	96
79)	4-Bromophenyl-phenylether	8.814	248	2151	1.89	ng	97
80)	Hexachlorobenzene	8.873	284	2083	1.86	ng	93
81)	N-Octadecane	9.166	57	9903	1.82	ng	86
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	9.295	178	17580	2.14	ng	98
84)	Anthracene	9.348	178	16304	1.96	ng	98
85)	Carbazole	9.524	167	15483	1.89	ng	98
86)	Di-n-butylphthalate	9.920	149	17353	1.68	ng	97
87)	Fluoranthene	10.609	202	15574	1.91	ng	89
89)	Pyrene	10.865	202	15775	1.77	ng	98
90)	Benzidine	10.774	184	2951	0.67	ng	93
92)	4,4'-DDE	11.004	246	2709	1.87	ng	86
93)	4,4'-DDD	11.405	235	4702	1.62	ng	77
94)	Butylbenzylphthalate	11.667	149	6807	1.43	ng	84
95)	4,4'-DDT	11.757	235	2946	1.24	ng	81
96)	3,3'-Dichlorobenzidine	12.270	252	2887	1.51	ng	89
97)	Benzo[a]anthracene	12.286	228	13289	1.86	ng	96
98)	Chrysene	12.324	228	13888	2.00	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.372	149	9396	1.44	ng	91
101)	Di-n-octylphthalate	13.120	149	13180	1.28	ng	96
102)	Benzo[b]fluoranthene	13.494	252	10923	1.80	ng	91
103)	Benzo[k]fluoranthene	13.520	252	11098	1.92	ng	87
104)	Benzo[a]pyrene	13.835	252	9612	1.70	ng	93
105)	Indeno[1,2,3-cd]pyrene	15.037	276	8136	1.56	ng	72
106)	Dibenzo[a,h]anthracene	15.059	278	6600	1.52	ng	85
107)	Benzo[g,h,i]perylene	15.353	276	7502	1.71	ng	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed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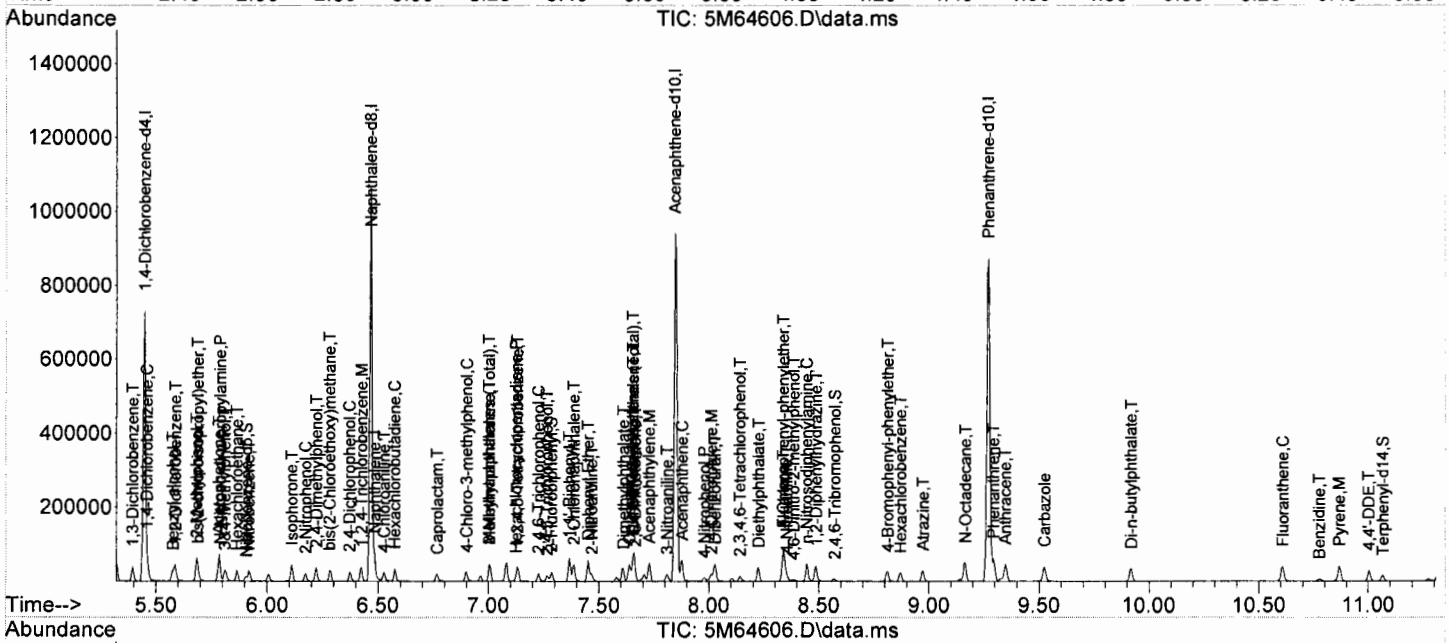
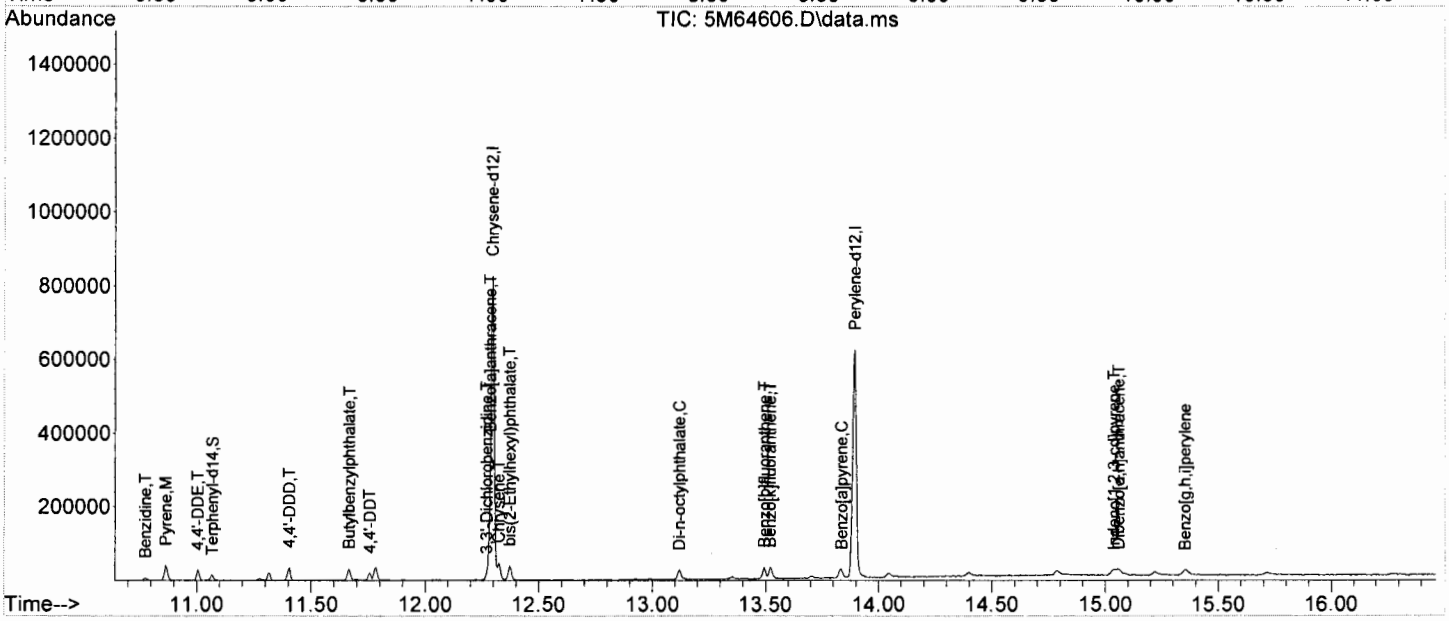
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 5M64606.D
Acq On : 02/ 9/11 12:30
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02709/11 13:53
Qt Upd On: 02/09/11 08:20
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 5M64606.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene-d10,I
Acenaphthylene,M
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 5M64606.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64605.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:26
Acq On : 02/ 9/11 12:06 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	83568	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	320563	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	176222	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	297151	40.00	ng	0.00
88) Chrysene-d12	12.297	240	228938	40.00	ng	0.00
100) Perylene-d12	13.894	264	200272	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	26419	9.47	ng	0.00
Spiked Amount 100.000			Recovery = 9.47%			
15) Phenol-d5	5.165	99	41730	10.62	ng	0.00
Spiked Amount 100.000			Recovery = 10.62%			
30) Nitrobenzene-d5	5.907	128	6694	4.64	ng	0.00
Spiked Amount 50.000			Recovery = 9.28%			
52) 2-Fluorobiphenyl	7.286	172	29479	5.43	ng	0.00
Spiked Amount 50.000			Recovery = 10.86%			
77) 2,4,6-Tribromophenol	8.573	330	3929	9.66	ng	0.00
Spiked Amount 100.000			Recovery = 9.66%			
91) Terphenyl-d14	11.068	244	23083	5.01	ng	0.00
Spiked Amount 50.000			Recovery = 10.02%			
Target Compounds						Qvalue
8) Pyridine	2.472	79	38759	10.04	ng	81
9) N-Nitrosodimethylamine	2.403	74	22865	9.89	ng	89
11) Benzaldehyde	5.058	77	25414	10.06	ng	86
12) Aniline	5.159	93	39067	9.37	ng	55
13) Pentachloroethane	5.197	117	10154	10.12	ng	90
14) bis(2-Chloroethyl)ether	5.224	93	31525	9.80	ng	96
16) Phenol	5.175	94	46480	10.33	ng	95
17) 2-Chlorophenol	5.272	128	30503	10.17	ng	96
18) N-Decane	5.320	57	45625	10.94	ng	98
19) 1,3-Dichlorobenzene	5.395	146	31723	10.20	ng	95
20) 1,4-Dichlorobenzene	5.464	146	33603	10.71	ng	97
21) 1,2-Dichlorobenzene	5.587	146	32135	11.09	ng	98
22) Benzyl alcohol	5.576	108	20567	10.09	ng	78
23) bis(2-chloroisopropyl)...	5.688	45	62480	11.86	ng	97
24) 2-Methylphenol	5.683	108	30577	10.64	ng	98
25) Acetophenone	5.785	105	50489	10.87	ng	72
26) Hexachloroethane	5.865	117	13955	10.77	ng	89
27) N-Nitroso-di-n-propyla...	5.790	70	27435	11.28	ng	84
28) 3&4-Methylphenol	5.811	108	33237	10.37	ng	99
31) Nitrobenzene	5.918	77	37399	10.15	ng	95
32) Isophorone	6.110	82	70984	10.82	ng	100
33) 2-Nitrophenol	6.174	139	15287	10.02	ng	87
34) 2,4-Dimethylphenol	6.223	107	32161	10.44	ng	98
35) Benzoic Acid	6.308	105	6873m	5.15	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	40561	10.84	ng	97
37) 2,4-Dichlorophenol	6.372	162	22330	10.38	ng	92
38) 1,2,4-Trichlorobenzene	6.426	180	25542	10.95	ng	96
39) Naphthalene	6.484	128	93271	10.98	ng	100
40) 4-Chloroaniline	6.527	127	28367	8.07	ng	100
41) Hexachlorobutadiene	6.580	225	10734	10.42	ng	94
42) Caprolactam	6.773	113	10156	9.92	ng	69
43) 4-Chloro-3-methylphenol	6.901	107	28935	10.52	ng	93
44) 2-Methylnaphthalene	7.008	142	58622	11.19	ng	100
45) Methylnaphthalenes (To...	7.008	142	58622	11.19	ng	100
46) 1,1'-Biphenyl	7.366	154	72980	10.96	ng	99
48) 1,2,4,5-Tetrachloroben...	7.131	216	23383	11.23	ng	96
49) Hexachlorocyclopentadiene	7.125	237	6937	7.20	ng	94
50) 2,4,6-Trichlorophenol	7.227	196	13260	9.65	ng	97
51) 2,4,5-Trichlorophenol	7.264	196	15186	9.99	ng	95
53) 2-Chloronaphthalene	7.387	162	52745	10.98	ng	95
54) 1,4-Dimethylnaphthalene	7.660	156	43340	11.56	ng	94
55) Dimethylnaphthalenes (...	7.660	156	43340	11.56	ng	94
56) Diphenyl Ether	7.451	170	39747	10.73	ng	93
57) 2-Nitroaniline	7.467	65	27022	10.41	ng	84
58) Coumarin	7.638	146	23387	11.27	ng	86
59) Acenaphthylene	7.729	152	88476	10.90	ng	100
60) Dimethylphthalate	7.612	163	60505	10.90	ng	100
61) 2,6-Dinitrotoluene	7.665	165	12701	10.60	ng	80
62) Acenaphthene	7.879	153	55127	10.86	ng	93
63) 3-Nitroaniline	7.809	138	14617	11.09	ng	37
64) 2,4-Dinitrophenol	7.905	184	2463	4.76	ng	54
65) Dibenzofuran	8.028	168	74705	10.81	ng	96

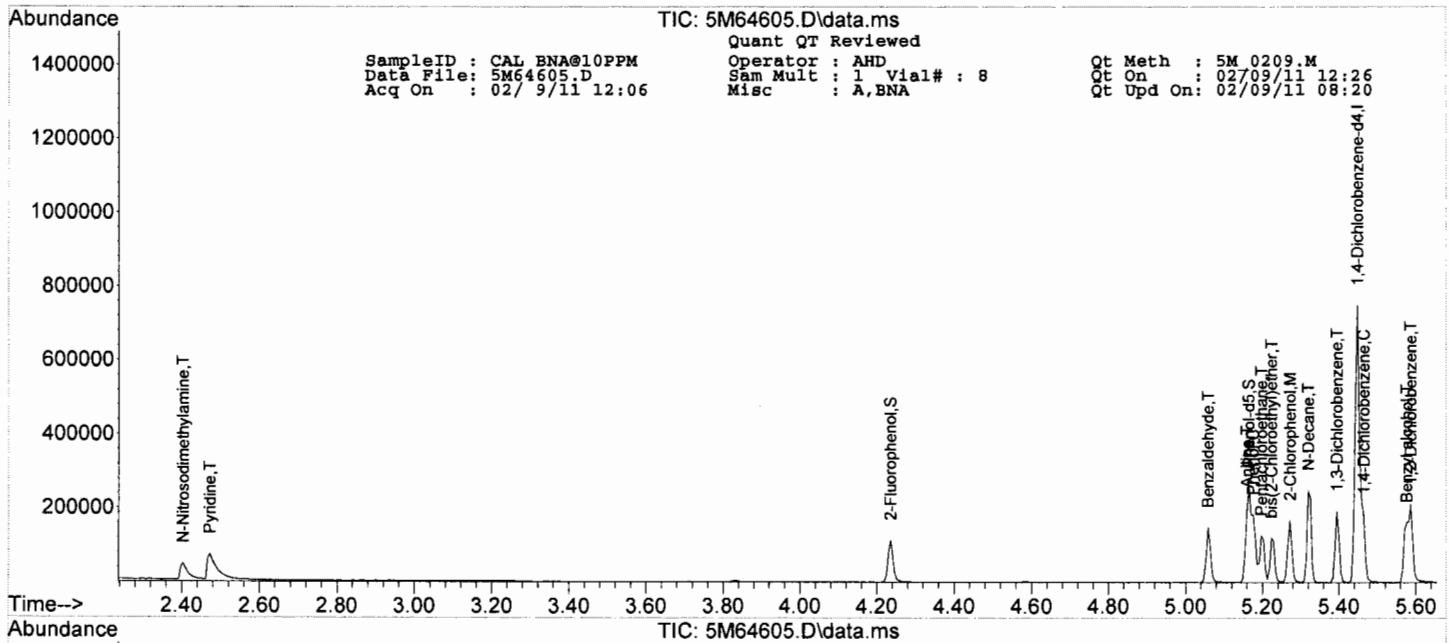
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64605.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:26
Acq On : 02/ 9/11 12:06 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.012	165	16153	9.98	ng	91
67)	4-Nitrophenol	7.975	65	12928	8.37	ng	97
68)	2,3,4,6-Tetrachlorophenol	8.140	232	10694	10.24	ng	96
69)	Fluorene	8.343	166	60274	11.38	ng	95
70)	4-Chlorophenyl-phenyle...	8.338	204	24905	11.69	ng	99
71)	Diethylphthalate	8.226	149	60916	10.39	ng	99
72)	4-Nitroaniline	8.349	138	16217	9.83	ng	97
73)	Atrazine	8.974	200	14658	10.02	ng	95
75)	4,6-Dinitro-2-methylph...	8.381	198	5204	6.42	ng	28
76)	n-Nitrosodiphenylamine	8.445	169	50062	10.66	ng	100
78)	1,2-Diphenylhydrazine	8.488	77	86309	10.79	ng	97
79)	4-Bromophenyl-phenylether	8.814	248	11725	10.71	ng	96
80)	Hexachlorobenzene	8.872	284	11304	10.50	ng	96
81)	N-Octadecane	9.166	57	60223	11.50	ng	95
82)	Pentachlorophenol	9.081	266	3066	5.83	ng	95
83)	Phenanthrene	9.294	178	84154	10.67	ng	99
84)	Anthracene	9.348	178	84014	10.50	ng	98
85)	Carbazole	9.524	167	81663	10.36	ng	99
86)	Di-n-butylphthalate	9.919	149	100143	10.06	ng	98
87)	Fluoranthene	10.609	202	81198	10.37	ng	95
89)	Pyrene	10.865	202	86136	10.50	ng	95
90)	Benzidine	10.774	184	22555	5.54	ng	100
92)	4,4'-DDE	11.009	246	14247	10.70	ng	88
93)	4,4'-DDD	11.405	235	27258	10.20	ng	81
94)	Butylbenzylphthalate	11.666	149	43358	9.88	ng	92
95)	4,4'-DDT	11.757	235	21334	9.72	ng	83
96)	3,3'-Dichlorobenzidine	12.270	252	16965	9.78	ng	93
97)	Benzo[a]anthracene	12.286	228	67514	10.29	ng	99
98)	Chrysene	12.329	228	67624	10.60	ng	97
99)	bis(2-Ethylhexyl)phtha...	12.371	149	59336	9.89	ng	98
101)	Di-n-octylphthalate	13.119	149	93814	9.47	ng	100
102)	Benzo[b]fluoranthene	13.493	252	57983	9.92	ng	95
103)	Benzo[k]fluoranthene	13.525	252	60644	10.89	ng	96
104)	Benzo[a]pyrene	13.835	252	53877	9.91	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.037	276	48672	9.68	ng	79
106)	Dibenzo[a,h]anthracene	15.059	278	39066	9.36	ng	82
107)	Benzo[g,h,i]perylene	15.358	276	39984	9.44	ng	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed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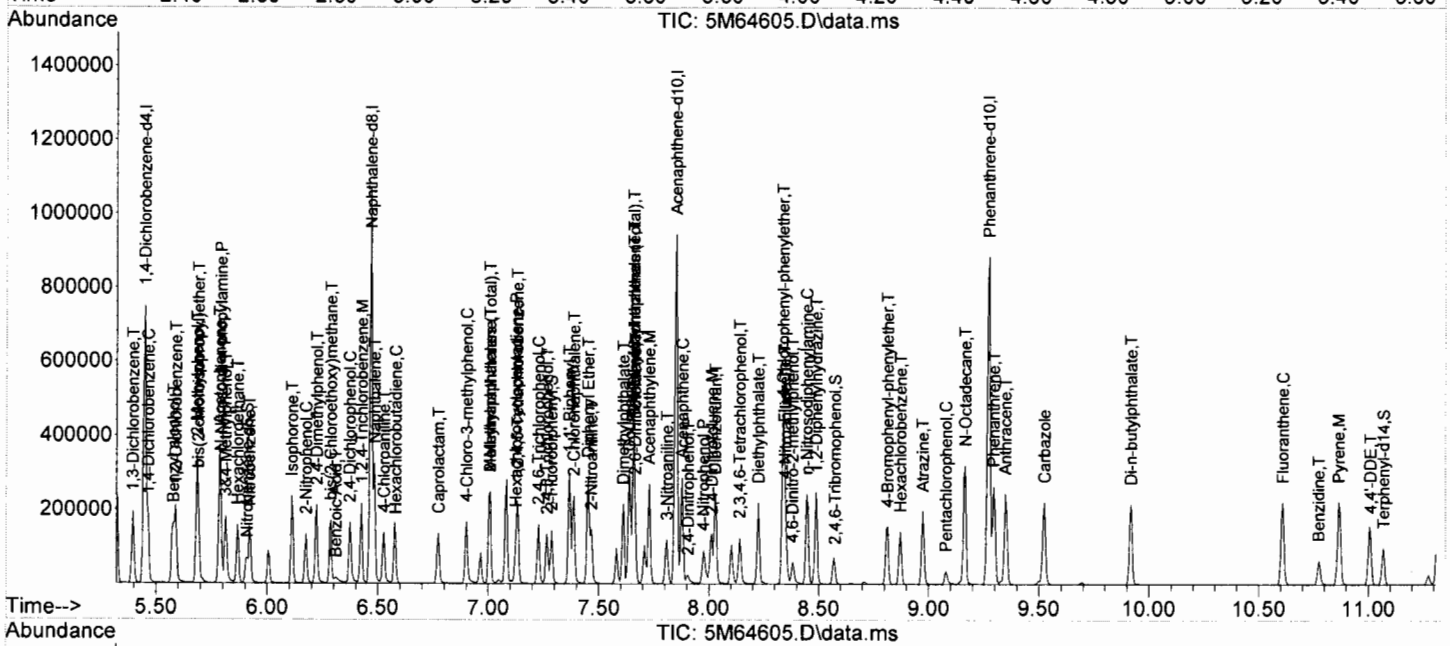
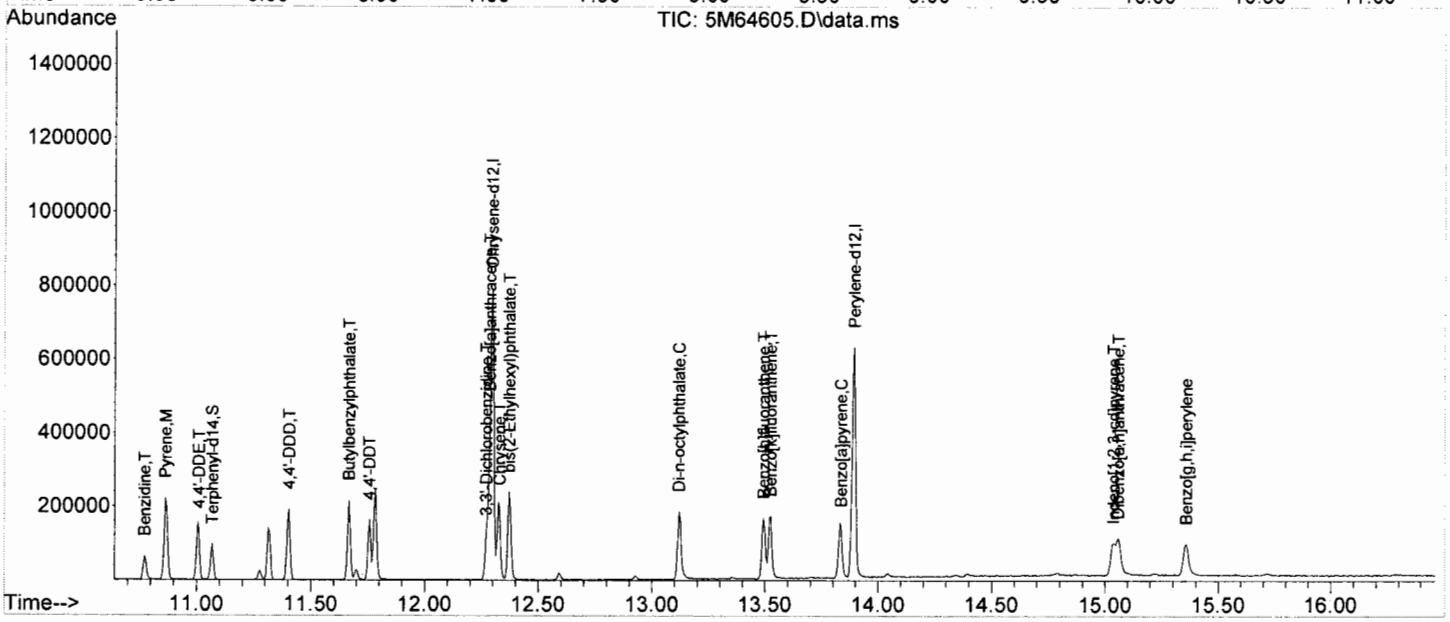
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M64605.D
Acq On : 02/ 9/11 12:06
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 12:26
Qt Upd On: 02/09/11 08:20
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 5M64605.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,C
Naphthalene-d8,I
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthene-d10,I
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
Phenanthrene-d10,I
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 5M64605.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64604.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:58
Acq On : 02/ 9/11 11:42 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	76048	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	299328	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	159132	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	269358	40.00	ng	0.00
88) Chrysene-d12	12.297	240	219520	40.00	ng	0.00
100) Perylene-d12	13.894	264	192131	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	51003	20.08	ng	0.00
Spiked Amount 100.000			Recovery = 20.08%			
15) Phenol-d5	5.165	99	74205	20.75	ng	0.00
Spiked Amount 100.000			Recovery = 20.75%			
30) Nitrobenzene-d5	5.907	128	12984	9.64	ng	0.00
Spiked Amount 50.000			Recovery = 19.28%			
52) 2-Fluorobiphenyl	7.286	172	50639	10.32	ng	0.00
Spiked Amount 50.000			Recovery = 20.64%			
77) 2,4,6-Tribromophenol	8.573	330	7057	19.14	ng	0.00
Spiked Amount 100.000			Recovery = 19.14%			
91) Terphenyl-d14	11.068	244	40478	9.15	ng	0.00
Spiked Amount 50.000			Recovery = 18.30%			
Target Compounds						Qvalue
8) Pyridine	2.462	79	69089	19.66	ng	84
9) N-Nitrosodimethylamine	2.398	74	41870	19.91	ng	87
11) Benzaldehyde	5.058	77	46558	20.25	ng	89
12) Aniline	5.160	93	81313	21.43	ng	54
13) Pentachloroethane	5.202	117	18910	20.72	ng	93
14) bis(2-Chloroethyl)ether	5.229	93	58921	20.12	ng	90
16) Phenol	5.176	94	84505	20.63	ng	96
17) 2-Chlorophenol	5.272	128	55394	20.30	ng	91
18) N-Decane	5.325	57	82744	21.81	ng	93
19) 1,3-Dichlorobenzene	5.395	146	58199	20.56	ng	97
20) 1,4-Dichlorobenzene	5.464	146	58763	20.58	ng	98
21) 1,2-Dichlorobenzene	5.587	146	55793	21.16	ng	99
22) Benzyl alcohol	5.576	108	37601	20.27	ng	81
23) bis(2-chloroisopropyl)...	5.688	45	110730	23.11	ng	98
24) 2-Methylphenol	5.683	108	55193	21.11	ng	99
25) Acetophenone	5.785	105	89951	21.28	ng	71
26) Hexachloroethane	5.865	117	24359	20.67	ng	96
27) N-Nitroso-di-n-propyla...	5.790	70	48219	21.79	ng	88
28) 3&4-Methylphenol	5.811	108	56858	19.49	ng	97
31) Nitrobenzene	5.918	77	70343	20.44	ng	94
32) Isophorone	6.110	82	127457	20.81	ng	99
33) 2-Nitrophenol	6.175	139	28609	20.08	ng	87
34) 2,4-Dimethylphenol	6.223	107	60282	20.96	ng	99
35) Benzoic Acid	6.292	105	20538m	13.20	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	74083	21.21	ng	98
37) 2,4-Dichlorophenol	6.372	162	41925	20.86	ng	93
38) 1,2,4-Trichlorobenzene	6.426	180	46265	21.24	ng	98
39) Naphthalene	6.484	128	166663	21.02	ng	100
40) 4-Chloroaniline	6.527	127	54883	22.76	ng	99
41) Hexachlorobutadiene	6.581	225	19282	20.05	ng	93
42) Caprolactam	6.778	113	18638	19.50	ng	66
43) 4-Chloro-3-methylphenol	6.901	107	51817	20.17	ng	91
44) 2-Methylnaphthalene	7.008	142	100024	20.46	ng	97
45) Methylnaphthalenes (To...	7.008	142	100024	20.46	ng	97
46) 1,1'-Biphenyl	7.366	154	136190	21.90	ng	99
48) 1,2,4,5-Tetrachloroben...	7.136	216	41014	21.80	ng	98
49) Hexachlorocyclopentadiene	7.125	237	14430	18.75	ng	93
50) 2,4,6-Trichlorophenol	7.227	196	25140	20.26	ng	98
51) 2,4,5-Trichlorophenol	7.264	196	29075	21.18	ng	94
53) 2-Chloronaphthalene	7.387	162	91784	21.16	ng	95
54) 1,4-Dimethylnaphthalene	7.660	156	77389	22.85	ng	96
55) Dimethylnaphthalenes (...	7.660	156	77389	22.85	ng	96
56) Diphenyl Ether	7.451	170	70810	21.17	ng	92
57) 2-Nitroaniline	7.467	65	49797	21.25	ng	78
58) Coumarin	7.638	146	42398	22.63	ng	82
59) Acenaphthylene	7.729	152	161061	21.98	ng	99
60) Dimethylphthalate	7.612	163	104202	20.79	ng	99
61) 2,6-Dinitrotoluene	7.665	165	23982	22.17	ng	81
62) Acenaphthene	7.879	153	97131	21.18	ng	96
63) 3-Nitroaniline	7.809	138	27362	22.99	ng	34
64) 2,4-Dinitrophenol	7.905	184	6309	11.74	ng	78
65) Dibenzofuran	8.028	168	132343	21.22	ng	95

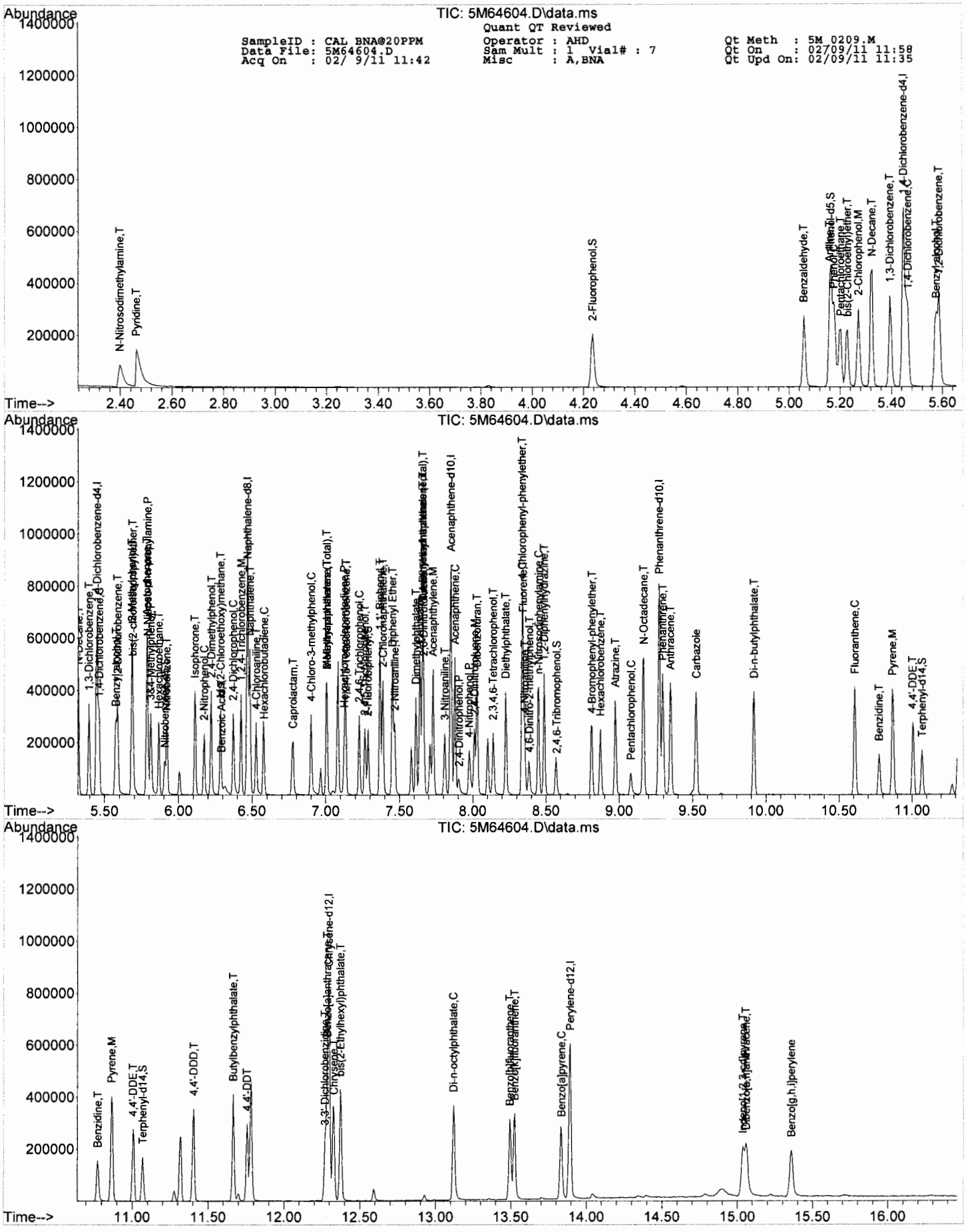
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64604.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:58
Acq On : 02/ 9/11 11:42 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.012	165	30942	21.18	ng	91
67)	4-Nitrophenol	7.975	65	24735	17.72	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.141	232	19179	20.35	ng	97
69)	Fluorene	8.344	166	106620	22.28	ng	99
70)	4-Chlorophenyl-phenyle...	8.338	204	42975	22.34	ng	99
71)	Diethylphthalate	8.226	149	111691	21.09	ng	97
72)	4-Nitroaniline	8.354	138	30521	20.50	ng	97
73)	Atrazine	8.974	200	28265	21.40	ng	98
75)	4,6-Dinitro-2-methylph...	8.386	198	12791	17.85	ng	55
76)	n-Nitrosodiphenylamine	8.450	169	87284	20.50	ng	99
78)	1,2-Diphenylhydrazine	8.488	77	154080	21.25	ng	99
79)	4-Bromophenyl-phenylether	8.814	248	19851	20.01	ng	93
80)	Hexachlorobenzene	8.872	284	19822	20.32	ng	97
81)	N-Octadecane	9.166	57	106629	22.47	ng	93
82)	Pentachlorophenol	9.081	266	7525	14.41	ng	94
83)	Phenanthrene	9.294	178	149915	20.97	ng	99
84)	Anthracene	9.348	178	154122	21.24	ng	100
85)	Carbazole	9.524	167	146989	20.57	ng	99
86)	Di-n-butylphthalate	9.919	149	188315	20.86	ng	99
87)	Fluoranthene	10.609	202	150984	21.28	ng	95
89)	Pyrene	10.865	202	155149	19.72	ng	93
90)	Benzidine	10.774	184	56305	18.26	ng	97
92)	4,4'-DDE	11.004	246	25050	19.61	ng	90
93)	4,4'-DDD	11.405	235	50921	19.88	ng	82
94)	Butylbenzylphthalate	11.666	149	79985	19.00	ng	90
95)	4,4'-DDT	11.757	235	39324	18.69	ng	82
96)	3,3'-Dichlorobenzidine	12.270	252	32195	22.55	ng	93
97)	Benzo[a]anthracene	12.286	228	125530	19.96	ng	100
98)	Chrysene	12.329	228	121582	19.88	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.372	149	110885	19.28	ng	99
101)	Di-n-octylphthalate	13.120	149	181330	19.08	ng	99
102)	Benzo[b]fluoranthene	13.493	252	104910	18.70	ng	98
103)	Benzo[k]fluoranthene	13.526	252	110767	20.74	ng	98
104)	Benzo[a]pyrene	13.835	252	102069	19.57	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.037	276	96706	20.05	ng	80
106)	Dibenzo[a,h]anthracene	15.059	278	81448	20.35	ng	91
107)	Benzo[g,h,i]perylene	15.358	276	81811	20.14	ng	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M64604.D
Acq On : 02/ 9/11 11:42
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 11:58
Qt Upd On: 02/09/11 11:35
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64603.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 11:18 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	87059	40.00	ng	0.00
29) Naphthalene-d8	6.468	136	343707	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	185442	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	308660	40.00	ng	0.00
88) Chrysene-d12	12.302	240	235298	40.00	ng	0.00
100) Perylene-d12	13.894	264	204225	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	232862	80.09	ng	0.00
Spiked Amount 100.000			Recovery = 80.09%			
15) Phenol-d5	5.165	99	318848	77.89	ng	0.00
Spiked Amount 100.000			Recovery = 77.89%			
30) Nitrobenzene-d5	5.907	128	60733	39.25	ng	0.00
Spiked Amount 50.000			Recovery = 78.50%			
52) 2-Fluorobiphenyl	7.291	172	222696	38.96	ng	0.00
Spiked Amount 50.000			Recovery = 77.92%			
77) 2,4,6-Tribromophenol	8.573	330	35104	83.10	ng	0.00
Spiked Amount 100.000			Recovery = 83.10%			
91) Terphenyl-d14	11.073	244	186925	39.44	ng	0.00
Spiked Amount 50.000			Recovery = 78.88%			
Target Compounds						Qvalue
8) Pyridine	2.451	79	319158	79.33	ng	85
9) N-Nitrosodimethylamine	2.398	74	188089	78.11	ng	87
11) Benzaldehyde	5.058	77	173140	65.78	ng	89
12) Aniline	5.165	93	384632	88.55	ng	79
13) Pentachloroethane	5.202	117	83502	79.92	ng	93
14) bis(2-Chloroethyl)ether	5.234	93	258123	76.99	ng	88
16) Phenol	5.181	94	376508	80.30	ng	91
17) 2-Chlorophenol	5.272	128	242173	77.53	ng	96
18) N-Decane	5.325	57	345181	79.46	ng	95
19) 1,3-Dichlorobenzene	5.400	146	251145	77.51	ng	99
20) 1,4-Dichlorobenzene	5.464	146	259276	79.32	ng	98
21) 1,2-Dichlorobenzene	5.587	146	242744	80.41	ng	98
22) Benzyl alcohol	5.576	108	172126	81.07	ng	83
23) bis(2-chloroisopropyl)...	5.688	45	440843	80.35	ng	100
24) 2-Methylphenol	5.688	108	239908	80.14	ng	95
25) Acetophenone	5.790	105	375664	77.63	ng	70
26) Hexachloroethane	5.865	117	109791	81.36	ng	88
27) N-Nitroso-di-n-propyla...	5.795	70	198870	78.49	ng	83
28) 3&4-Methylphenol	5.811	108	266553	79.81	ng	95
31) Nitrobenzene	5.924	77	317860	80.45	ng	93
32) Isophorone	6.116	82	552817	78.62	ng	98
33) 2-Nitrophenol	6.175	139	131456	80.34	ng	84
34) 2,4-Dimethylphenol	6.223	107	264083	79.98	ng	95
35) Benzoic Acid	6.324	105	171844m	96.16	ng	
36) bis(2-Chloroethoxy)met...	6.287	93	316758	78.96	ng	100
37) 2,4-Dichlorophenol	6.378	162	186772	80.94	ng	90
38) 1,2,4-Trichlorobenzene	6.426	180	198023	79.16	ng	99
39) Naphthalene	6.484	128	707804	77.73	ng	99
40) 4-Chloroaniline	6.527	127	268443	96.94	ng	98
41) Hexachlorobutadiene	6.581	225	86697	78.50	ng	98
42) Caprolactam	6.810	113	89350	81.43	ng	65
43) 4-Chloro-3-methylphenol	6.907	107	237776	80.61	ng	94
44) 2-Methylnaphthalene	7.008	142	441190	78.58	ng	100
45) Methylnaphthalenes (To...	7.008	142	441190	78.58	ng	100
46) 1,1'-Biphenyl	7.371	154	560924	78.57	ng	98
48) 1,2,4,5-Tetrachloroben...	7.136	216	177771	81.10	ng	97
49) Hexachlorocyclopentadiene	7.126	237	81769	91.16	ng	94
50) 2,4,6-Trichlorophenol	7.232	196	120972	83.66	ng	99
51) 2,4,5-Trichlorophenol	7.270	196	128703	80.44	ng	97
53) 2-Chloronaphthalene	7.387	162	395575	78.27	ng	98
54) 1,4-Dimethylnaphthalene	7.660	156	315621	79.98	ng	97
55) Dimethylnaphthalenes (...	7.660	156	315621	79.98	ng	97
56) Diphenyl Ether	7.457	170	303997	77.99	ng	88
57) 2-Nitroaniline	7.473	65	222779	81.58	ng	80
58) Coumarin	7.649	146	176116	80.66	ng	88
59) Acenaphthylene	7.735	152	688651	80.63	ng	99
60) Dimethylphthalate	7.617	163	459434	78.67	ng	99
61) 2,6-Dinitrotoluene	7.670	165	102472	81.29	ng	80
62) Acenaphthene	7.884	153	421281	78.85	ng	96
63) 3-Nitroaniline	7.815	138	124726	89.95	ng	37
64) 2,4-Dinitrophenol	7.906	184	52523	83.90	ng	71
65) Dibenzofuran	8.034	168	575956	79.23	ng	90

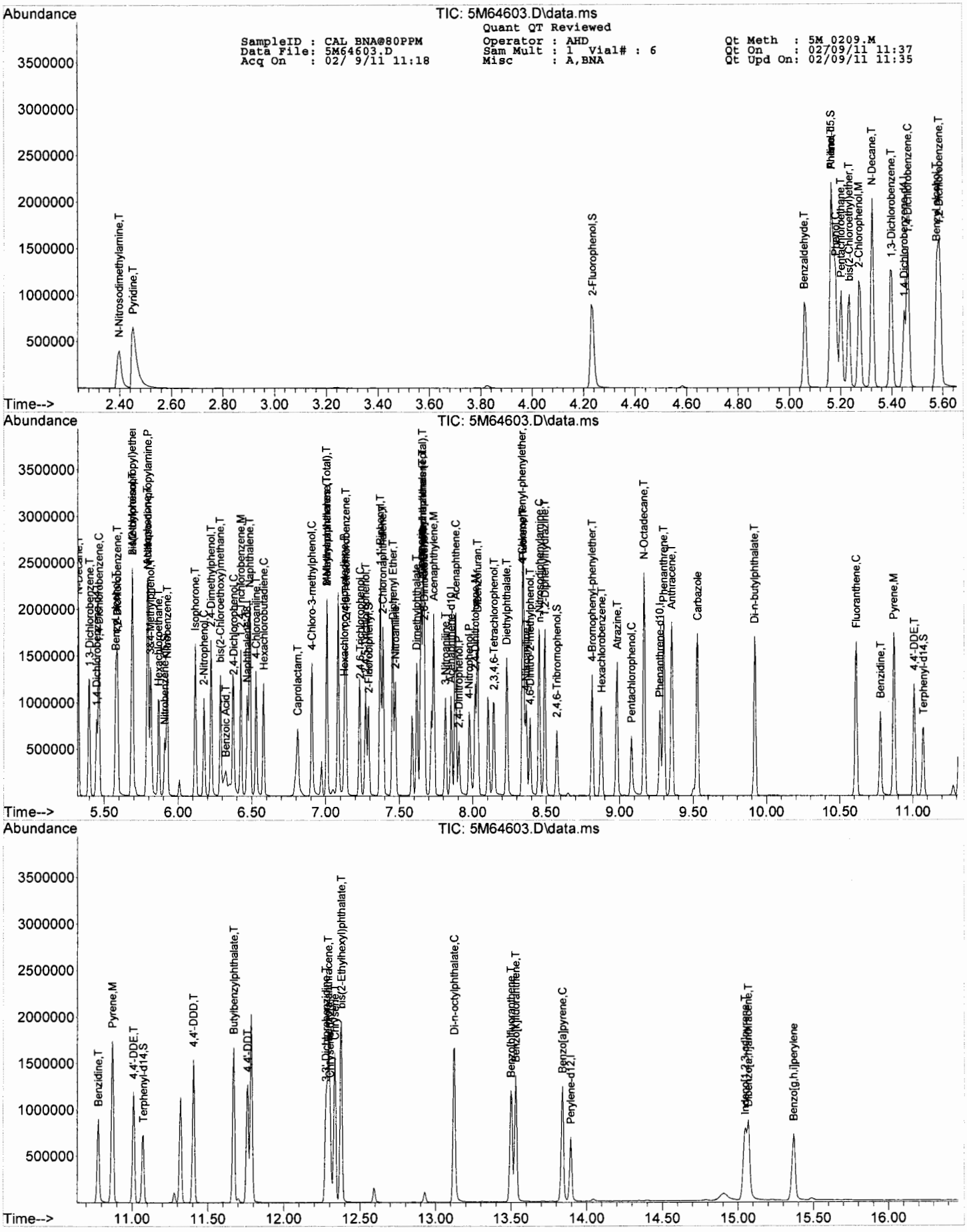
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64603.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 11:18 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.018	165	145884	85.68	ng	90
67)	4-Nitrophenol	7.975	65	128761	79.18	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.146	232	91976	83.73	ng	97
69)	Fluorene	8.344	166	445078	79.83	ng	98
70)	4-Chlorophenyl-phenyle...	8.338	204	178130	79.48	ng	96
71)	Diethylphthalate	8.231	149	482306	78.14	ng	99
72)	4-Nitroaniline	8.365	138	140801	81.14	ng	94
73)	Atrazine	8.985	200	125009	81.21	ng	98
75)	4,6-Dinitro-2-methylph...	8.392	198	76317	92.94	ng	33
76)	n-Nitrosodiphenylamine	8.456	169	391008	80.16	ng	99
78)	1,2-Diphenylhydrazine	8.493	77	676390	81.40	ng	96
79)	4-Bromophenyl-phenylether	8.814	248	92928	81.75	ng	91
80)	Hexachlorobenzene	8.878	284	88792	79.42	ng	89
81)	N-Octadecane	9.166	57	455189	83.71	ng	92
82)	Pentachlorophenol	9.081	266	52399	87.58	ng	96
83)	Phenanthrene	9.300	178	651780	79.58	ng	99
84)	Anthracene	9.353	178	670741	80.68	ng	99
85)	Carbazole	9.530	167	658341	80.39	ng	98
86)	Di-n-butylphthalate	9.920	149	845442	81.74	ng	99
87)	Fluoranthene	10.614	202	638911	78.58	ng	95
89)	Pyrene	10.870	202	674406	79.97	ng	96
90)	Benzidine	10.780	184	299153	90.49	ng	96
92)	4,4'-DDE	11.009	246	112783	82.38	ng	90
93)	4,4'-DDD	11.405	235	223876	81.53	ng	82
94)	Butylbenzylphthalate	11.672	149	369072	81.79	ng	93
95)	4,4'-DDT	11.763	235	188251	83.48	ng	83
96)	3,3'-Dichlorobenzidine	12.275	252	146535	95.75	ng	96
97)	Benzo[a]anthracene	12.291	228	539293	79.99	ng	99
98)	Chrysene	12.334	228	518739	79.12	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.377	149	525119	85.19	ng	98
101)	Di-n-octylphthalate	13.125	149	876627	86.77	ng	99
102)	Benzo[b]fluoranthene	13.499	252	462341	77.55	ng	96
103)	Benzo[k]fluoranthene	13.531	252	474354	83.55	ng	97
104)	Benzo[a]pyrene	13.841	252	447754	80.75	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.048	276	406138	79.24	ng	81
106)	Dibenzo[a,h]anthracene	15.069	278	340228	79.97	ng	88
107)	Benzo[g,h,i]perylene	15.369	276	333714	77.27	ng	81

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


Abundance
TIC: 5M64603.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M64603.D
Acq On : 02/ 9/11 11:18
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 11:37
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthene,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Abundance
TIC: 5M64603.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64602.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 10:54 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	81272	40.00	ng	0.00
29) Naphthalene-d8	6.474	136	324956	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	175060	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	295933	40.00	ng	0.00
88) Chrysene-d12	12.308	240	216440	40.00	ng	0.00
100) Perylene-d12	13.894	264	186309	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	334070	123.09	ng	0.00
Spiked Amount 100.000			Recovery = 123.09%			
15) Phenol-d5	5.170	99	440544	115.27	ng	0.00
Spiked Amount 100.000			Recovery = 115.27%			
30) Nitrobenzene-d5	5.913	128	87912	60.09	ng	0.00
Spiked Amount 50.000			Recovery = 120.18%			
52) 2-Fluorobiphenyl	7.291	172	329862	61.13	ng	0.00
Spiked Amount 50.000			Recovery = 122.26%			
77) 2,4,6-Tribromophenol	8.579	330	52063	128.55	ng	0.00
Spiked Amount 100.000			Recovery = 128.55%			
91) Terphenyl-d14	11.073	244	271447	62.26	ng	0.00
Spiked Amount 50.000			Recovery = 124.52%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	450310	119.90	ng	87
9) N-Nitrosodimethylamine	2.398	74	270213	120.21	ng	87
11) Benzaldehyde	5.063	77	178857	72.79	ng	85
12) Aniline	5.165	93	522146	128.76	ng	81
13) Pentachloroethane	5.202	117	119443	122.47	ng	93
14) bis(2-Chloroethyl)ether	5.234	93	374141	119.55	ng	90
16) Phenol	5.181	94	524372	119.80	ng	94
17) 2-Chlorophenol	5.277	128	352159	120.76	ng	90
18) N-Decane	5.325	57	463147	114.21	ng	92
19) 1,3-Dichlorobenzene	5.400	146	357089	118.05	ng	98
20) 1,4-Dichlorobenzene	5.464	146	351407	115.16	ng	96
21) 1,2-Dichlorobenzene	5.587	146	335096	118.90	ng	98
22) Benzyl alcohol	5.582	108	242226	122.21	ng	80
23) bis(2-chloroisopropyl)...	5.689	45	572050	111.69	ng	95
24) 2-Methylphenol	5.689	108	324873	116.25	ng	95
25) Acetophenone	5.795	105	520941	115.32	ng	66
26) Hexachloroethane	5.870	117	152216	120.83	ng	91
27) N-Nitroso-di-n-propyla...	5.801	70	273969	115.83	ng	80
28) 3&4-Methylphenol	5.817	108	376189	120.66	ng	98
31) Nitrobenzene	5.929	77	443336	118.68	ng	89
32) Isophorone	6.121	82	781606	117.57	ng	96
33) 2-Nitrophenol	6.180	139	186923	120.84	ng	89
34) 2,4-Dimethylphenol	6.228	107	372831	119.44	ng	96
35) Benzoic Acid	6.335	105	279362m	165.34	ng	
36) bis(2-Chloroethoxy)met...	6.292	93	450857	118.87	ng	98
37) 2,4-Dichlorophenol	6.378	162	269853	123.69	ng	91
38) 1,2,4-Trichlorobenzene	6.426	180	279375	118.13	ng	98
39) Naphthalene	6.490	128	1000007	116.15	ng	100
40) 4-Chloroaniline	6.527	127	345376	131.92	ng	99
41) Hexachlorobutadiene	6.581	225	119314	114.26	ng	97
42) Caprolactam	6.826	113	129199	124.54	ng	69
43) 4-Chloro-3-methylphenol	6.907	107	338619	121.42	ng	95
44) 2-Methylnaphthalene	7.008	142	605109	113.99	ng	98
45) Methylnaphthalenes (To...	7.008	142	605109	113.99	ng	98
46) 1,1'-Biphenyl	7.371	154	766228	113.52	ng	98
48) 1,2,4,5-Tetrachloroben...	7.136	216	245280	118.53	ng	98
49) Hexachlorocyclopentadiene	7.126	237	117599	138.88	ng	95
50) 2,4,6-Trichlorophenol	7.232	196	170586	124.97	ng	99
51) 2,4,5-Trichlorophenol	7.275	196	186588	123.53	ng	97
53) 2-Chloronaphthalene	7.393	162	560519	117.48	ng	96
54) 1,4-Dimethylnaphthalene	7.665	156	419778	112.68	ng	99
55) Dimethylnaphthalenes (...	7.665	156	419778	112.68	ng	99
56) Diphenyl Ether	7.457	170	415152	112.83	ng	89
57) 2-Nitroaniline	7.473	65	312308	121.14	ng	85
58) Coumarin	7.654	146	230687	111.92	ng	91
59) Acenaphthylene	7.735	152	952941	118.19	ng	99
60) Dimethylphthalate	7.622	163	648217	117.58	ng	100
61) 2,6-Dinitrotoluene	7.676	165	144530	121.45	ng	74
62) Acenaphthene	7.884	153	582852	115.56	ng	98
63) 3-Nitroaniline	7.820	138	168112	128.42	ng	39
64) 2,4-Dinitrophenol	7.911	184	82674	139.90	ng	80
65) Dibenzofuran	8.034	168	780328	113.71	ng	97

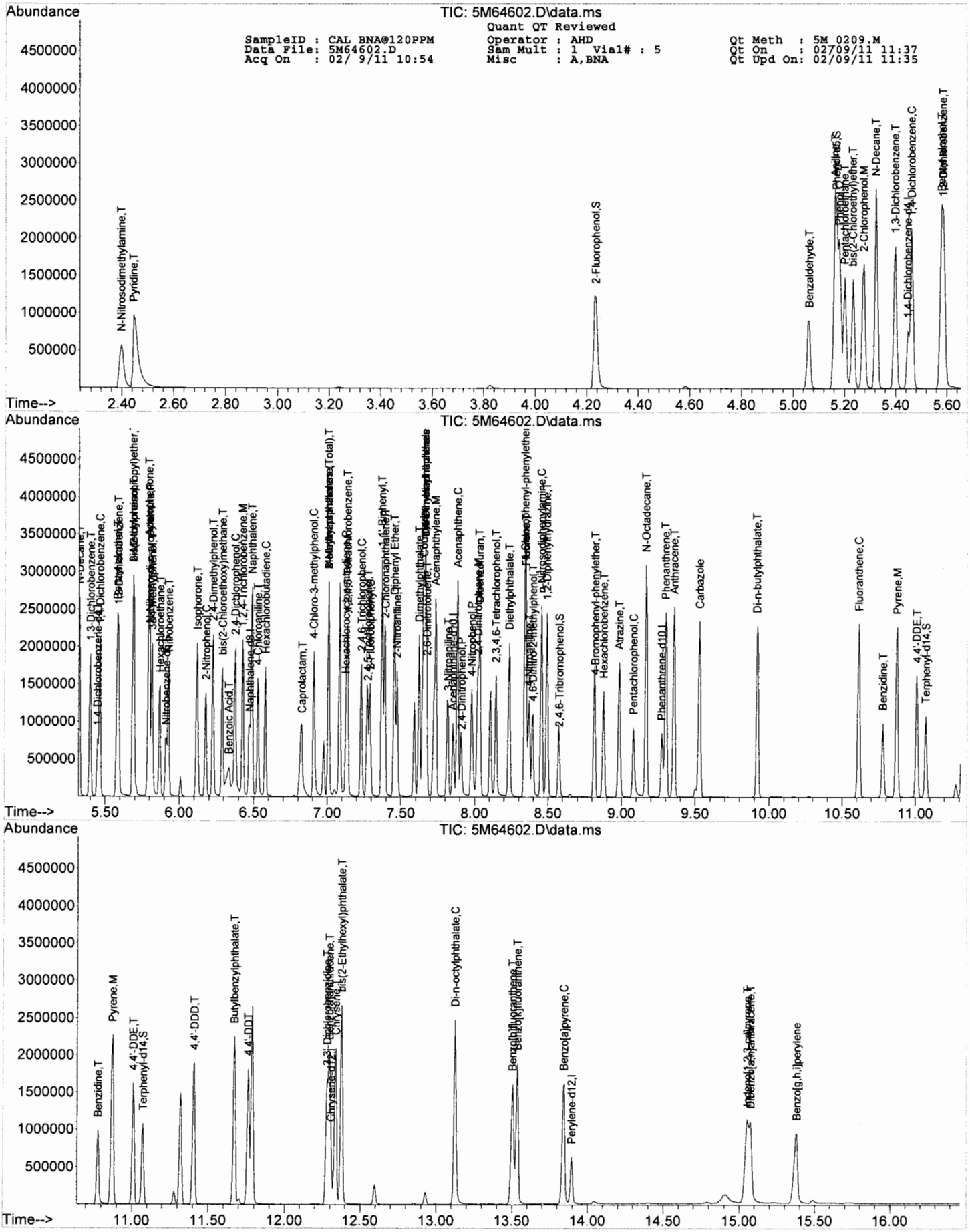
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64602.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:37
Acq On : 02/ 9/11 10:54 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.023	165	207127	128.87	ng	84
67)	4-Nitrophenol	7.980	65	186119	121.23	ng	93
68)	2,3,4,6-Tetrachlorophenol	8.146	232	133433	128.67	ng	97
69)	Fluorene	8.349	166	580227	110.24	ng	100
70)	4-Chlorophenyl-phenyle...	8.344	204	234152	110.67	ng	99
71)	Diethylphthalate	8.237	149	690961	118.58	ng	99
72)	4-Nitroaniline	8.370	138	204123	124.61	ng	93
73)	Atrazine	8.985	200	174947	120.39	ng	99
75)	4,6-Dinitro-2-methylph...	8.397	198	113408	144.05	ng	40
76)	n-Nitrosodiphenylamine	8.456	169	535789	114.56	ng	99
78)	1,2-Diphenylhydrazine	8.493	77	939838	117.96	ng	98
79)	4-Bromophenyl-phenylether	8.819	248	132620	121.68	ng	98
80)	Hexachlorobenzene	8.878	284	123689	115.39	ng	96
81)	N-Octadecane	9.166	57	598683	114.84	ng	89
82)	Pentachlorophenol	9.081	266	78461	136.77	ng	99
83)	Phenanthrene	9.300	178	908954	115.75	ng	99
84)	Anthracene	9.359	178	932304	116.96	ng	99
85)	Carbazole	9.530	167	920927	117.29	ng	99
86)	Di-n-butylphthalate	9.920	149	1193552	120.36	ng	99
87)	Fluoranthene	10.614	202	920073	118.03	ng	94
89)	Pyrene	10.876	202	943960	121.68	ng	99
90)	Benzidine	10.780	184	337959	111.14	ng	96
92)	4,4'-DDE	11.009	246	157757	125.28	ng	90
93)	4,4'-DDD	11.410	235	312987	123.92	ng	82
94)	Butylbenzylphthalate	11.672	149	523015	126.00	ng	91
95)	4,4'-DDT	11.763	235	264246	127.39	ng	82
96)	3,3'-Dichlorobenzidine	12.281	252	186785	132.68	ng	99
97)	Benzo[a]anthracene	12.297	228	735847	118.65	ng	99
98)	Chrysene	12.340	228	715095	118.57	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.377	149	736255	129.86	ng	99
101)	Di-n-octylphthalate	13.125	149	1227692	133.20	ng	100
102)	Benzo[b]fluoranthene	13.504	252	663278	121.95	ng	96
103)	Benzo[k]fluoranthene	13.536	252	627809	121.21	ng	98
104)	Benzo[a]pyrene	13.846	252	624739	123.51	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.053	276	564558	120.73	ng	78
106)	Dibenzo[a,h]anthracene	15.075	278	473545	122.01	ng	92
107)	Benzo[g,h,i]perylene	15.379	276	470758	119.48	ng	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M64602.D
Acq On : 02/ 9/11 10:54
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M 0209.M
Qt On : 02/09/11 11:37
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->
Abundance
TIC: 5M64602.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
Fluorene,C
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 5M64602.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene,C
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64601.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:36
Acq On : 02/ 9/11 10:30 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	76994	40.00	ng	0.00
29) Naphthalene-d8	6.474	136	298219	40.00	ng	0.00
47) Acenaphthene-d10	7.852	164	159304	40.00	ng	0.00
74) Phenanthrene-d10	9.273	188	261393	40.00	ng	0.00
88) Chrysene-d12	12.307	240	202981	40.00	ng	0.00
100) Perylene-d12	13.899	264	175489	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	417811	162.49	ng	0.00
Spiked Amount 100.000			Recovery = 162.49%			
15) Phenol-d5	5.170	99	533835	147.45	ng	0.00
Spiked Amount 100.000			Recovery = 147.45%			
30) Nitrobenzene-d5	5.913	128	108414	80.75	ng	0.00
Spiked Amount 50.000			Recovery = 161.50%			
52) 2-Fluorobiphenyl	7.291	172	393676	80.18	ng	0.00
Spiked Amount 50.000			Recovery = 160.36%			
77) 2,4,6-Tribromophenol	8.579	330	63140	176.50	ng	0.00
Spiked Amount 100.000			Recovery = 176.50%			
91) Terphenyl-d14	11.073	244	327057	79.99	ng	0.00
Spiked Amount 50.000			Recovery = 159.98%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	590643	166.00	ng	86
9) N-Nitrosodimethylamine	2.398	74	342674	160.92	ng	86
11) Benzaldehyde	5.063	77	163940	70.42	ng	85
12) Aniline	5.165	93	626259	163.02	ng	53
13) Pentachloroethane	5.202	117	145687	157.67	ng	94
14) bis(2-Chloroethyl)ether	5.240	93	449182	151.50	ng	88
16) Phenol	5.186	94	639966	154.34	ng	90
17) 2-Chlorophenol	5.277	128	431055	156.03	ng	91
18) N-Decane	5.325	57	556493	144.86	ng	92
19) 1,3-Dichlorobenzene	5.400	146	432569	150.95	ng	97
20) 1,4-Dichlorobenzene	5.464	146	438776	151.78	ng	98
21) 1,2-Dichlorobenzene	5.592	146	397870	149.02	ng	98
22) Benzyl alcohol	5.582	108	289646	154.25	ng	84
23) bis(2-chloroisopropyl)...	5.688	45	662849	136.61	ng	95
24) 2-Methylphenol	5.694	108	395889	149.53	ng	95
25) Acetophenone	5.795	105	621232	145.16	ng	69
26) Hexachloroethane	5.870	117	185439	155.39	ng	95
27) N-Nitroso-di-n-propyla...	5.801	70	321023	143.27	ng	80
28) 3&4-Methylphenol	5.817	108	471302	159.57	ng	97
31) Nitrobenzene	5.929	77	542020	158.10	ng	91
32) Isophorone	6.121	82	980615	160.73	ng	98
33) 2-Nitrophenol	6.180	139	238981	168.34	ng	88
34) 2,4-Dimethylphenol	6.228	107	455386	158.96	ng	95
35) Benzoic Acid	6.346	105	366152m	236.14	ng	
36) bis(2-Chloroethoxy)met...	6.292	93	537892	154.54	ng	99
37) 2,4-Dichlorophenol	6.378	162	316217	157.94	ng	93
38) 1,2,4-Trichlorobenzene	6.431	180	337347	155.43	ng	99
39) Naphthalene	6.490	128	1176107	148.85	ng	99
40) 4-Chloroaniline	6.532	127	381329	158.71	ng	98
41) Hexachlorobutadiene	6.581	225	146065	152.42	ng	96
42) Caprolactam	6.832	113	157224	165.14	ng	67
43) 4-Chloro-3-methylphenol	6.912	107	414433	161.92	ng	93
44) 2-Methylnaphthalene	7.008	142	729815	149.81	ng	99
45) Methylnaphthalenes (To...	7.008	142	729815	149.81	ng	99
46) 1,1'-Biphenyl	7.371	154	912261	147.27	ng	98
48) 1,2,4,5-Tetrachloroben...	7.141	216	287034	152.43	ng	99
49) Hexachlorocyclopentadiene	7.131	237	143131	185.75	ng	95
50) 2,4,6-Trichlorophenol	7.232	196	204608	164.73	ng	98
51) 2,4,5-Trichlorophenol	7.275	196	230691	167.83	ng	96
53) 2-Chloronaphthalene	7.393	162	676444	155.80	ng	98
54) 1,4-Dimethylnaphthalene	7.665	156	479583	141.47	ng	100
55) Dimethylnaphthalenes (...	7.665	156	479583	141.47	ng	100
56) Diphenyl Ether	7.457	170	493790	147.48	ng	93
57) 2-Nitroaniline	7.478	65	376236	160.37	ng	78
58) Coumarin	7.654	146	273591	145.87	ng	93
59) Acenaphthylene	7.740	152	1131670	154.24	ng	100
60) Dimethylphthalate	7.628	163	782812	156.03	ng	100
61) 2,6-Dinitrotoluene	7.676	165	171222	158.11	ng	83
62) Acenaphthene	7.884	153	699254	152.35	ng	96
63) 3-Nitroaniline	7.820	138	194196	163.02	ng	38
64) 2,4-Dinitrophenol	7.911	184	112423	209.05	ng	80
65) Dibenzofuran	8.039	168	940127	150.54	ng	93

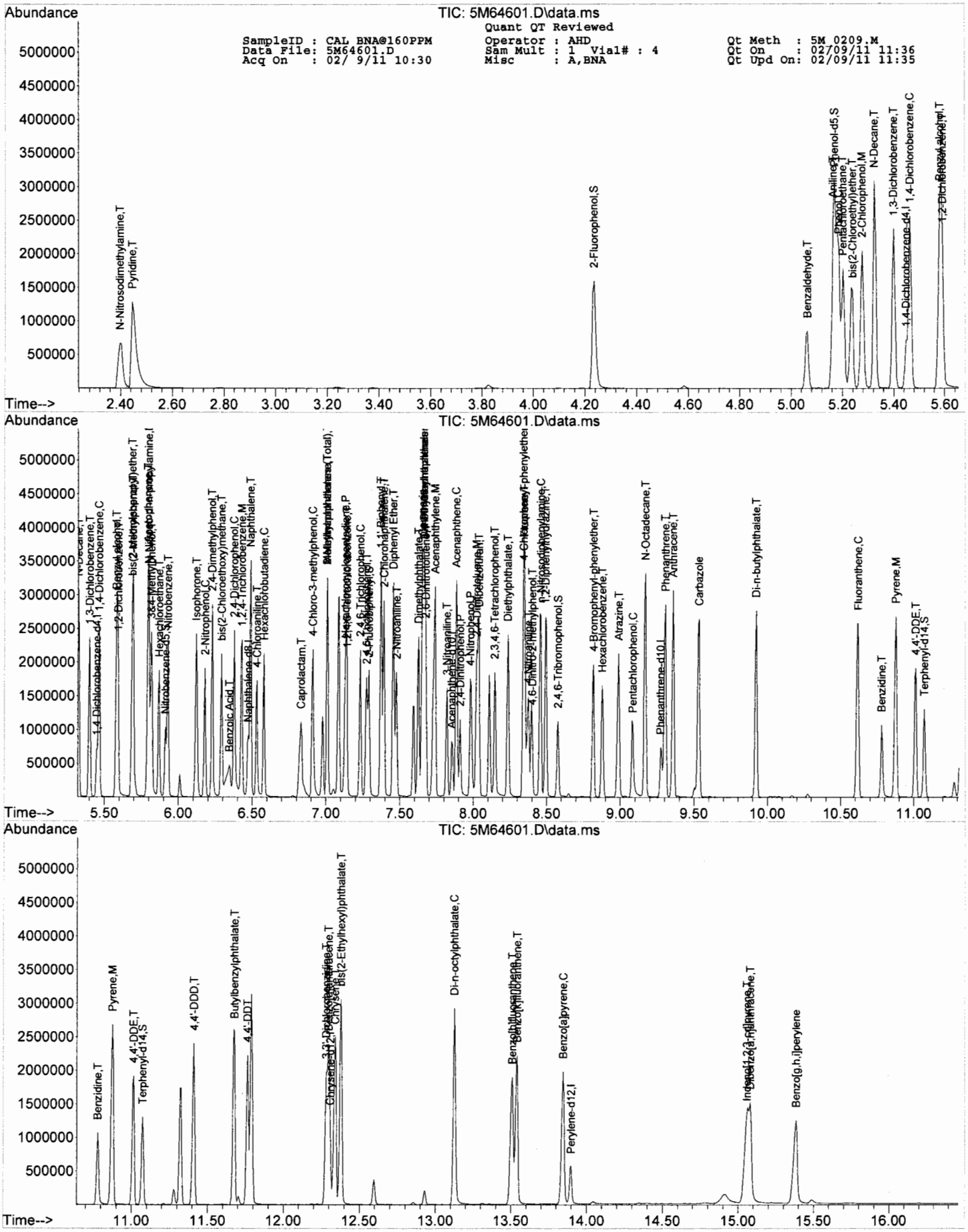
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64601.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:36
Acq On : 02/ 9/11 10:30 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.023	165	245990	168.18	ng	95
67)	4-Nitrophenol	7.980	65	227364	162.75	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.146	232	163767	173.54	ng	98
69)	Fluorene	8.349	166	692854	144.65	ng	98
70)	4-Chlorophenyl-phenyle...	8.344	204	281379	146.14	ng	95
71)	Diethylphthalate	8.237	149	829859	156.51	ng	98
72)	4-Nitroaniline	8.376	138	255261	171.24	ng	94
73)	Atrazine	8.990	200	213114	161.16	ng	98
75)	4,6-Dinitro-2-methylph...	8.402	198	141344	203.25	ng	45
76)	n-Nitrosodiphenylamine	8.461	169	648364	156.95	ng	99
78)	1,2-Diphenylhydrazine	8.493	77	1107165	157.33	ng	99
79)	4-Bromophenyl-phenylether	8.819	248	155613	161.65	ng	94
80)	Hexachlorobenzene	8.878	284	149774	158.18	ng	97
81)	N-Octadecane	9.172	57	701457	152.33	ng	88
82)	Pentachlorophenol	9.086	266	96452	190.35	ng	96
83)	Phenanthrene	9.305	178	1073879	154.83	ng	99
84)	Anthracene	9.359	178	1097719	155.91	ng	99
85)	Carbazole	9.535	167	1107226	159.65	ng	98
86)	Di-n-butylphthalate	9.925	149	1432051	163.49	ng	98
87)	Fluoranthene	10.619	202	1113613	161.73	ng	98
89)	Pyrene	10.876	202	1133571	155.81	ng	99
90)	Benzidine	10.780	184	363970	127.63	ng	98
92)	4,4'-DDE	11.015	246	191661	162.29	ng	89
93)	4,4'-DDD	11.410	235	372407	157.22	ng	81
94)	Butylbenzylphthalate	11.677	149	647329	166.29	ng	97
95)	4,4'-DDT	11.763	235	327373	168.29	ng	82
96)	3,3'-Dichlorobenzidine	12.281	252	219179	166.01	ng	97
97)	Benzo[a]anthracene	12.297	228	912797	156.95	ng	99
98)	Chrysene	12.339	228	901455	159.38	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.377	149	885159	166.47	ng	100
101)	Di-n-octylphthalate	13.125	149	1547362	178.24	ng	99
102)	Benzo[b]fluoranthene	13.509	252	834375	162.86	ng	98
103)	Benzo[k]fluoranthene	13.542	252	830881	170.31	ng	99
104)	Benzo[a]pyrene	13.846	252	810244	170.06	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.059	276	763859	173.43	ng	78
106)	Dibenzo[a,h]anthracene	15.080	278	634624	173.60	ng	91
107)	Benzo[g,h,i]perylene	15.385	276	649621	175.05	ng	82

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


Abundance
TIC: 5M64601.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M64601.D
Acq On : 02/ 9/11 10:30
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 11:36
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
Phenol-d5,S
Pentachloroethane,I
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64601.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
Benzoic Acid,T
Hexachlorobutadiene,C
4-Chloroaniline,T
2-Nitroaniline,T
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64601.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64600.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:35
Acq On : 02/ 9/11 10:07 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.448	152	79900	40.00	ng	0.00
29) Naphthalene-d8	6.474	136	327096	40.00	ng	0.00
47) Acenaphthene-d10	7.858	164	173104	40.00	ng	0.00
74) Phenanthrene-d10	9.279	188	284206	40.00	ng	0.00
88) Chrysene-d12	12.313	240	208534	40.00	ng	0.01
100) Perylene-d12	13.900	264	175023	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.235	112	528774	198.17	ng	0.00
Spiked Amount 100.000			Recovery = 198.17%			
15) Phenol-d5	5.176	99	643950	171.39	ng	0.00
Spiked Amount 100.000			Recovery = 171.39%			
30) Nitrobenzene-d5	5.913	128	139848	94.97	ng	0.00
Spiked Amount 50.000			Recovery = 189.94%			
52) 2-Fluorobiphenyl	7.291	172	502027	94.09	ng	0.00
Spiked Amount 50.000			Recovery = 188.18%			
77) 2,4,6-Tribromophenol	8.579	330	79082	203.31	ng	0.00
Spiked Amount 100.000			Recovery = 203.31%			
91) Terphenyl-d14	11.074	244	418052	99.52	ng	0.00
Spiked Amount 50.000			Recovery = 199.04%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	736637	199.51	ng	85
9) N-Nitrosodimethylamine	2.403	74	425679	192.62	ng	86
11) Benzaldehyde	5.064	77	167029	69.14	ng	85
12) Aniline	5.165	93	777808	195.10	ng	50
13) Pentachloroethane	5.202	117	179419	187.12	ng	92
14) bis(2-Chloroethyl)ether	5.240	93	566174	184.01	ng	91
16) Phenol	5.186	94	784319	182.27	ng	95
17) 2-Chlorophenol	5.277	128	547470	190.96	ng	92
18) N-Decane	5.325	57	661456	165.92	ng	91
19) 1,3-Dichlorobenzene	5.400	146	532707	179.13	ng	98
20) 1,4-Dichlorobenzene	5.464	146	531849	177.29	ng	98
21) 1,2-Dichlorobenzene	5.592	146	470404	169.78	ng	98
22) Benzyl alcohol	5.582	108	349211	179.21	ng	84
23) bis(2-chloroisopropyl)...	5.689	45	781197	155.15	ng	93
24) 2-Methylphenol	5.694	108	479776	174.63	ng	96
25) Acetophenone	5.795	105	753175	169.59	ng	70
26) Hexachloroethane	5.870	117	230524	186.14	ng	97
27) N-Nitroso-di-n-propyla...	5.806	70	386780	166.34	ng	78
28) 3&4-Methylphenol	5.822	108	558893	182.35	ng	98
31) Nitrobenzene	5.929	77	680293	180.92	ng	93
32) Isophorone	6.127	82	1233479	184.33	ng	96
33) 2-Nitrophenol	6.180	139	297931	191.34	ng	87
34) 2,4-Dimethylphenol	6.228	107	559080	177.93	ng	94
35) Benzoic Acid	6.362	105	472688m	277.93	ng	
36) bis(2-Chloroethoxy)met...	6.292	93	685110	179.45	ng	100
37) 2,4-Dichlorophenol	6.378	162	395066	179.90	ng	95
38) 1,2,4-Trichlorobenzene	6.431	180	413529	173.71	ng	99
39) Naphthalene	6.490	128	1466636	169.24	ng	100
40) 4-Chloroaniline	6.533	127	443205	168.17	ng	99
41) Hexachlorobutadiene	6.581	225	184256	175.30	ng	96
42) Caprolactam	6.842	113	201729	193.18	ng	68
43) 4-Chloro-3-methylphenol	6.912	107	529372	188.57	ng	95
44) 2-Methylnaphthalene	7.008	142	877175	164.16	ng	100
45) Methylnaphthalenes (To...	7.008	142	877175	164.16	ng	100
46) 1,1'-Biphenyl	7.377	154	1106901	162.92	ng	96
48) 1,2,4,5-Tetrachloroben...	7.142	216	352417	172.23	ng	99
49) Hexachlorocyclopentadiene	7.131	237	182080	217.46	ng	93
50) 2,4,6-Trichlorophenol	7.232	196	259925	192.58	ng	98
51) 2,4,5-Trichlorophenol	7.275	196	292803	196.04	ng	97
53) 2-Chloronaphthalene	7.393	162	848140	179.78	ng	98
54) 1,4-Dimethylnaphthalene	7.671	156	570979	155.00	ng	98
55) Dimethylnaphthalenes (...	7.671	156	570979	155.00	ng	98
56) Diphenyl Ether	7.457	170	624717	171.70	ng	95
57) 2-Nitroaniline	7.478	65	487393	191.19	ng	83
58) Coumarin	7.660	146	325613	159.76	ng	96
59) Acenaphthylene	7.740	152	1371136	171.98	ng	100
60) Dimethylphthalate	7.628	163	995306	182.57	ng	99
61) 2,6-Dinitrotoluene	7.681	165	223764	190.16	ng	76
62) Acenaphthene	7.890	153	855553	171.54	ng	96
63) 3-Nitroaniline	7.825	138	242436	187.30	ng	40
64) 2,4-Dinitrophenol	7.916	184	145540	249.06	ng	92
65) Dibenzofuran	8.039	168	1142047	168.30	ng	97

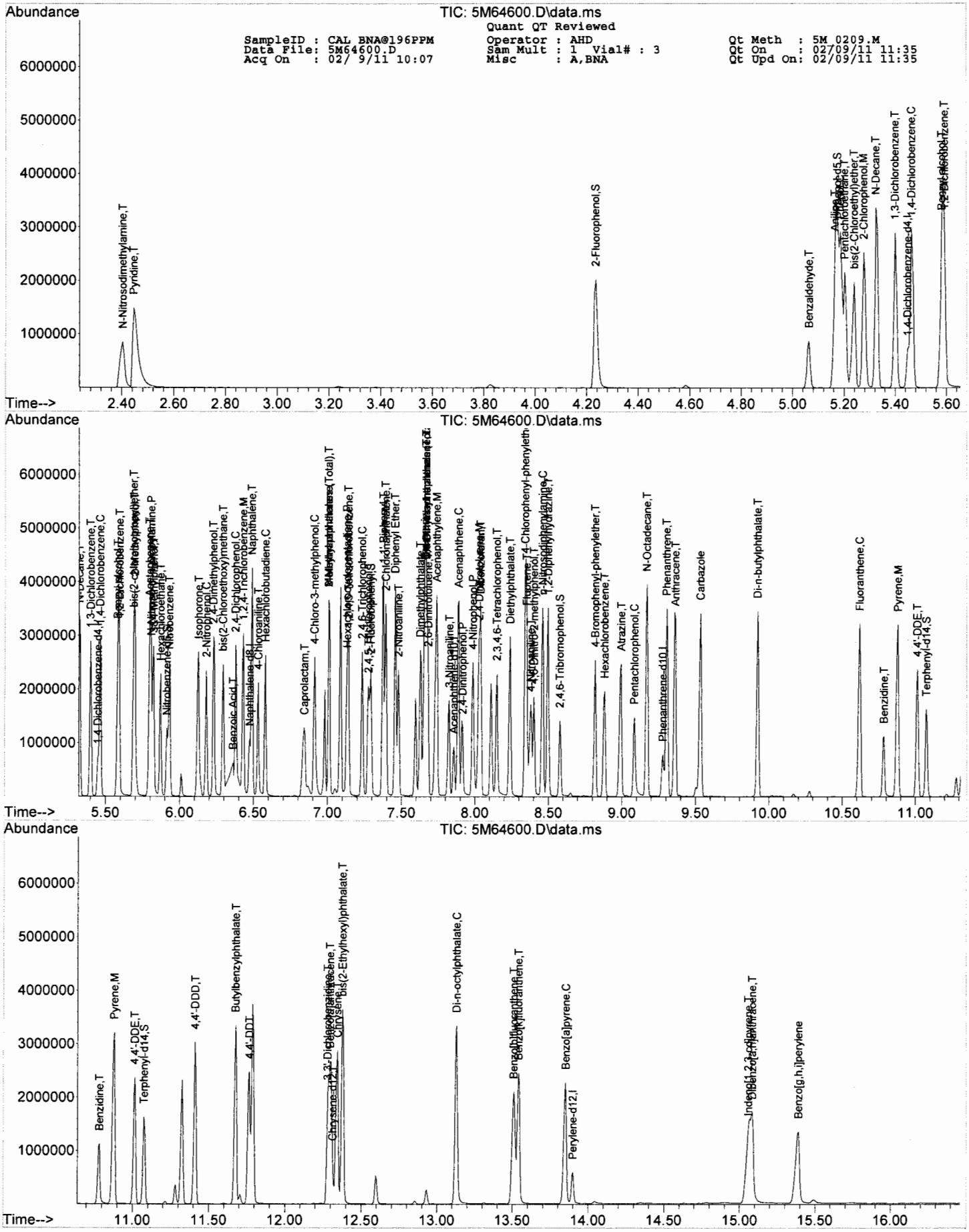
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64600.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:35
Acq On : 02/ 9/11 10:07 Misc : A,BNA Qt Upd On: 02/09/11 11:35

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.028	165	300734	189.22	ng	95
67)	4-Nitrophenol	7.986	65	299162	197.07	ng	92
68)	2,3,4,6-Tetrachlorophenol	8.151	232	208661	203.48	ng	97
69)	Fluorene	8.354	166	847257	162.79	ng	98
70)	4-Chlorophenyl-phenyle...	8.344	204	351620	168.06	ng	95
71)	Diethylphthalate	8.242	149	1042018	180.85	ng	98
72)	4-Nitroaniline	8.381	138	322036	198.81	ng	96
73)	Atrazine	8.995	200	271825	189.17	ng	99
75)	4,6-Dinitro-2-methylph...	8.402	198	181725	240.34	ng	29
76)	n-Nitrosodiphenylamine	8.461	169	806962	179.66	ng	97
78)	1,2-Diphenylhydrazine	8.499	77	1422101	185.86	ng	97
79)	4-Bromophenyl-phenylether	8.819	248	196634	187.86	ng	89
80)	Hexachlorobenzene	8.883	284	189113	183.70	ng	93
81)	N-Octadecane	9.172	57	835195	166.81	ng	83
82)	Pentachlorophenol	9.086	266	128303	232.89	ng	98
83)	Phenanthrene	9.305	178	1348207	178.78	ng	100
84)	Anthracene	9.364	178	1395176	182.25	ng	99
85)	Carbazole	9.535	167	1402757	186.02	ng	100
86)	Di-n-butylphthalate	9.925	149	1794278	188.40	ng	100
87)	Fluoranthene	10.619	202	1405847	187.78	ng	98
89)	Pyrene	10.881	202	1445729	193.42	ng	96
90)	Benzidine	10.785	184	410001	139.94	ng	93
92)	4,4'-DDE	11.015	246	238778	196.81	ng	90
93)	4,4'-DDD	11.410	235	468064	192.34	ng	80
94)	Butylbenzylphthalate	11.677	149	810777	202.73	ng	93
95)	4,4'-DDT	11.768	235	402526	201.41	ng	82
96)	3,3'-Dichlorobenzidine	12.281	252	251499	185.42	ng	97
97)	Benzo[a]anthracene	12.297	228	1119766	187.41	ng	99
98)	Chrysene	12.345	228	1081422	186.11	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.377	149	1113025	203.75	ng	98
101)	Di-n-octylphthalate	13.130	149	1887529	218.00	ng	99
102)	Benzo[b]fluoranthene	13.510	252	1028463	201.28	ng	97
103)	Benzo[k]fluoranthene	13.542	252	943212	193.85	ng	99
104)	Benzo[a]pyrene	13.852	252	951789	200.30	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.059	276	877334	199.72	ng	80
106)	Dibenzo[a,h]anthracene	15.086	278	731187	200.54	ng	93
107)	Benzo[g,h,i]perylene	15.390	276	742319	200.56	ng	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL BNA@196PPM
Data File: 5M64600.D
Acq On : 02/ 9/11 10:07
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 11:35
Qt Upd On: 02/09/11 11:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->
Abundance
TIC: 5M64600.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 5M64600.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64607.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:54
Acq On : 02/ 9/11 12:53 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.448	152	73826	40.00 ng	0.00
29) Naphthalene-d8	6.468	136	294128	40.00 ng	0.00
47) Acenaphthene-d10	7.847	164	159283	40.00 ng	0.00
74) Phenanthrene-d10	9.273	188	263866	40.00 ng	0.00
88) Chrysene-d12	12.297	240	208275	40.00 ng	0.00
100) Perylene-d12	13.894	264	180886	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D.	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.683	108	1122m	0.44 ng	
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.811	108	1118m	0.39 ng	
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.223	107	1238	0.44 ng	82
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.484	128	4641	0.60 ng	97
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D.	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.028	168	3207	0.51 ng	91

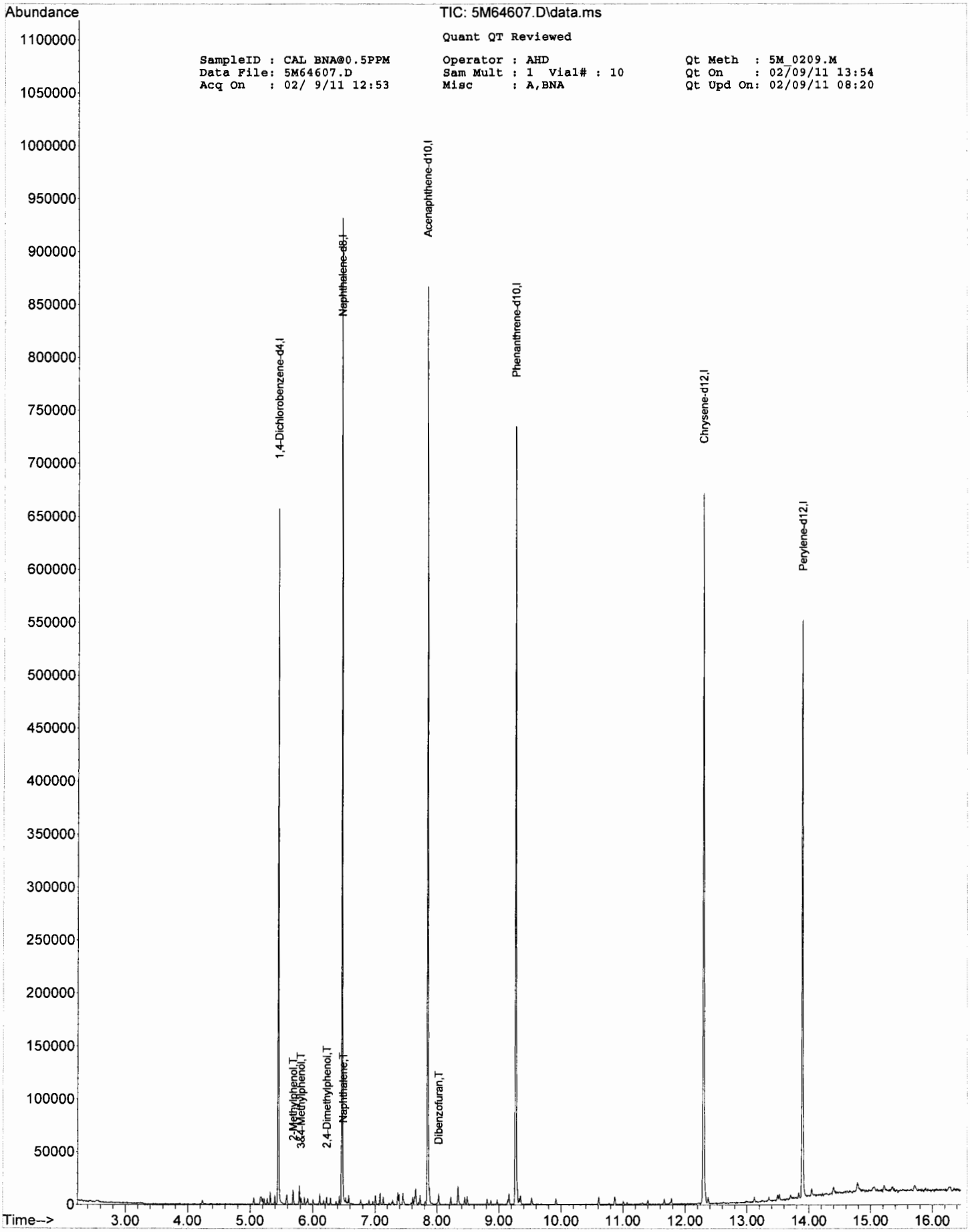
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64607.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:54
Acq On : 02/ 9/11 12:53 Misc : A,BNA Qt Upd On: 02/09/11 08:20

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
67)	4-Nitrophenol	0.000		0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
69)	Fluorene	0.000		0	N.D.	d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71)	Diethylphthalate	0.000		0	N.D.	d	
72)	4-Nitroaniline	0.000		0	N.D.	d	
73)	Atrazine	0.000		0	N.D.	d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80)	Hexachlorobenzene	0.000		0	N.D.	d	
81)	N-Octadecane	0.000		0	N.D.	d	
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	0.000		0	N.D.	d	
84)	Anthracene	0.000		0	N.D.	d	
85)	Carbazole	0.000		0	N.D.	d	
86)	Di-n-butylphthalate	0.000		0	N.D.	d	
87)	Fluoranthene	0.000		0	N.D.	d	
89)	Pyrene	0.000		0	N.D.	d	
90)	Benzidine	0.000		0	N.D.	d	
92)	4,4'-DDE	0.000		0	N.D.	d	
93)	4,4'-DDD	0.000		0	N.D.	d	
94)	Butylbenzylphthalate	0.000		0	N.D.	d	
95)	4,4'-DDT	0.000		0	N.D.	d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97)	Benzo[a]anthracene	0.000		0	N.D.	d	
98)	Chrysene	0.000		0	N.D.	d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101)	Di-n-octylphthalate	0.000		0	N.D.	d	
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
104)	Benzo[a]pyrene	0.000		0	N.D.	d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 5M64607.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 5M64607.D
Acq On : 02/ 9/11 12:53
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/09/11 13:54
Qt Upd On: 02/09/11 08:20
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0170

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64989.	CAL BNA@50PPM	03/03/11 13:27	2	5M64990.	CAL BNA@2PPM	03/03/11 16:15
3	5M64991.	CAL BNA@10PPM	03/03/11 16:38	4	5M64984.	CAL BNA@20PPM	03/03/11 11:28
5	5M64985.	CAL BNA@80PPM	03/03/11 11:52	6	5M64986.	CAL BNA@120PPM	03/03/11 12:16
7	5M64987.	CAL BNA@160PPM	03/03/11 12:40	8	5M64988.	CAL BNA@196PPM	03/03/11 13:04
9	5M64982.	CAL BNA@.5PPM	03/03/11 10:40				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.8548	1.7627	1.8628	1.9133	1.8653	1.8410	1.8679	1.9172	-----	1.86	2.40	0.999	1.00	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1185	1.1395	1.0837	1.1409	1.0939	1.0851	1.0933	1.0835	-----	1.10	2.34	1.00	1.00	2.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3646	1.2252	1.3959	1.3603	1.3489	1.3432	1.3280	1.2838	-----	1.33	4.16	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chloroacetamide	1	0	Avg	0.3603	-----	0.2900	0.3392	0.3629	0.3798	0.3802	0.3715	-----	0.355	4.44	1.00	1.00	9.0		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0156	1.0651	1.0606	1.1394	0.7515	0.5198	0.4392	-----	-----	0.856	5.01	0.871	0.990	33		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Aniline	1	0	Avg	2.2241	1.6071	1.9601	2.2644	2.1252	1.9837	1.8891	1.7115	-----	1.97	5.11	0.988	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4725	0.4876	0.5116	0.5048	0.4669	0.4652	0.4591	0.4405	-----	0.476	5.15	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5108	1.5631	1.7156	1.6879	1.4620	1.4777	1.4595	1.3923	-----	1.53	5.18	0.999	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.8958	1.7735	2.0134	1.9764	1.8333	1.7717	1.7145	1.6071	-----	1.82	5.10	0.996	1.00	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.0394	2.1853	2.3107	2.1952	2.0642	1.9657	1.8934	1.8039	-----	2.06	5.12	0.997	1.00	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3765	1.3766	1.4189	1.4710	1.3888	1.3632	1.3707	1.3165	-----	1.39	5.22	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.9333	1.9754	2.0087	2.0418	1.8721	1.7252	1.6879	1.5363	-----	1.85	5.28	0.991	0.999	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Chlorophenol	1	0	Avg	1.3883	1.0990	1.4112	1.5019	1.3656	1.3631	1.3366	1.3016	-----	1.35	6.41	0.999	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.4993	1.5012	1.6328	1.5553	1.4919	1.4338	1.4115	1.3348	-----	1.48	5.35	0.997	1.00	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.4858	1.5721	1.6921	1.6279	1.4995	1.4228	1.4152	1.3422	-----	1.51	5.42	0.998	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4535	1.4721	1.5126	1.5355	1.3893	1.3354	1.2871	1.1923	-----	1.40	5.54	0.994	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9920	0.8529	1.0020	1.0137	0.9850	0.9453	0.9172	0.8660	-----	0.947	5.53	0.996	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.6820	2.9490	3.0182	2.8764	2.6094	2.4170	2.3433	2.1009	-----	2.62	5.64	0.989	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4005	1.2587	1.4699	1.4878	1.3531	1.2996	1.2906	1.2210	1.2407	1.34	5.63	0.998	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.1474	2.1629	2.3313	2.3303	2.1022	1.9869	1.9426	1.8460	-----	2.11	5.75	0.997	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6417	0.6365	0.6650	0.6653	0.6307	0.6110	0.6107	0.5878	-----	0.631	5.83	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1434	1.1131	1.1971	1.2334	1.0883	1.0173	0.9931	0.9488	-----	1.09	5.75	0.996	1.00	9.2	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4943	1.3916	1.5301	1.5601	1.4426	1.3796	1.3706	1.3351	1.2925	1.42	5.76	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1714	0.1521	0.1600	0.1777	0.1768	0.1777	0.1801	0.1683	-----	0.171	5.86	0.998	0.999	5.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4577	0.4528	0.4727	0.4988	0.4696	0.4606	0.4430	0.4183	-----	0.459	5.88	0.996	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8009	0.7752	0.8031	0.8476	0.8078	0.7972	0.7926	0.7578	-----	0.798	6.07	0.999	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1867	0.1520	0.1545	0.1878	0.1967	0.1913	0.1896	0.1811	-----	0.180	6.14	0.998	1.00	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3840	0.3736	0.3858	0.4101	0.3891	0.3811	0.3716	0.3578	0.3295	0.376	6.17	0.998	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2468	-----	0.0833	0.1780	0.2762	0.3212	0.3191	0.3325	-----	0.251	6.26	0.997	0.999	36		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4671	0.4788	0.4987	0.5135	0.4777	0.4643	0.4416	0.4193	-----	0.470	6.25	0.996	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2693	0.2451	0.2615	0.2834	0.2746	0.2699	0.2569	0.2491	-----	0.264	6.32	0.998	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2888	0.3103	0.3206	0.3182	0.3033	0.2904	0.2760	0.2616	-----	0.296	6.38	0.995	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0349	1.1839	1.0842	1.1280	1.0230	0.9898	0.9504	0.8797	1.2551	1.06	6.44	0.994	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3-Chloroaniline	1	0	Avg	0.4520	0.3272	0.3858	0.4614	0.4279	0.4894	0.4460	0.3848	-----	0.422	6.47	0.980	0.991	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.3779	0.3364	0.3151	0.3551	0.3936	0.3142	0.3150	0.2971	-----	0.338	6.49	0.986	0.995	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1268	0.1450	0.1334	0.1358	0.1277	0.1232	0.1208	0.1136	-----	0.128	6.54	0.997	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1181	0.0745	0.1028	0.1207	0.1208	0.1230	0.1181	0.1291	-----	0.113	6.75	0.997	0.998	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3240	0.2680	0.3118	0.3400	0.3383	0.3289	0.3202	0.3001	-----	0.316	6.85	0.996	0.999	7.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6380	0.6783	0.6736	0.7133	0.6328	0.6195	0.5951	0.5488	-----	0.637	6.96	0.994	0.999	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6339	0.6730	0.6767	0.7143	0.6324	0.6201	0.5956	0.5476	-----	0.637	6.96	0.994	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichloroaniline	1	0	Avg	0.3145	0.3340	0.3379	0.3549	0.2960	0.2608	0.2453	-----	-----	0.306	7.08	0.989	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0		

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.3

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0171

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64989.	CAL BNA@50PPM	03/03/11 13:27	2	5M64990.	CAL BNA@2PPM	03/03/11 16:15
3	5M64991.	CAL BNA@10PPM	03/03/11 16:38	4	5M64984.	CAL BNA@20PPM	03/03/11 11:28
5	5M64985.	CAL BNA@80PPM	03/03/11 11:52	6	5M64986.	CAL BNA@120PPM	03/03/11 12:16
7	5M64987.	CAL BNA@160PPM	03/03/11 12:40	8	5M64988.	CAL BNA@196PPM	03/03/11 13:04
9	5M64982.	CAL BNA@.5PPM	03/03/11 10:40				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.1'-Biphenyl	1	0	Avg	0.8771	0.9387	0.9368	0.9774	0.8438	0.7973	0.7533	0.6950	-----	0.852	7.32	0.991	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.5013	0.5477	0.5497	0.5494	0.4938	0.4416	0.4239	0.3957	-----	0.488	7.09	0.991	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	LinF	0.2102	0.1012	0.1497	0.1983	0.2121	0.2044	0.1991	0.1929	-----	0.184	7.08	0.998	0.999	21	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3107	0.2525	0.3100	0.3176	0.3373	0.3204	0.3086	0.2871	-----	0.306	7.18	0.997	0.999	8.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.3503	0.2991	0.3056	0.3636	0.3587	0.3352	0.3300	0.3219	-----	0.333	7.21	0.998	1.00	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2687	1.4103	1.3399	1.3701	1.2959	1.2165	1.2107	1.1843	-----	1.29	7.24	0.999	1.00	6.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
1.2.3.4-Tetrachloroben	1	0	Avg	0.3742	0.4309	0.4096	0.4118	0.3746	0.3406	0.3259	0.3172	-----	0.373	7.31	0.996	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chloronaphthalene	1	0	Avg	1.1327	1.1851	1.2127	1.1865	1.1251	1.0303	1.0086	0.9580	-----	1.10	7.34	0.996	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichlorophenol	1	0	Avg	0.5105	0.4965	0.5113	0.5503	0.5082	0.4665	0.4436	0.4375	-----	0.491	7.41	0.996	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichloroaniline	1	0	Qua	0.5595	0.4931	0.5584	0.6124	0.4851	0.3784	0.2913	0.2450	-----	0.453	7.52	0.895	0.998	30		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthaler	1	0	Avg	0.8706	0.9591	0.9100	0.9609	0.8612	0.7516	0.7024	0.6405	-----	0.832	7.61	0.982	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8706	0.9591	0.9100	0.9609	0.8612	0.7516	0.7024	0.6405	-----	0.832	7.61	0.982	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8491	0.9311	0.9052	0.9444	0.8096	0.7261	0.7029	0.6798	-----	0.819	7.41	0.995	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.6140	0.5245	0.5989	0.6354	0.6055	0.5687	0.5439	0.5221	-----	0.577	7.42	0.996	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5244	0.5569	0.5437	0.5716	0.5248	0.4587	0.4346	0.3894	-----	0.501	7.59	0.982	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.8884	1.9411	1.9634	2.0776	1.9351	1.8010	1.7096	1.6230	-----	1.87	7.68	0.995	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.2406	1.2963	1.2915	1.3535	1.2701	1.1750	1.1616	1.1105	-----	1.24	7.57	0.997	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2813	0.2406	0.2714	0.3012	0.2837	0.2663	0.2590	0.2513	-----	0.269	7.62	0.997	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1533	1.2727	1.2415	1.2660	1.1725	1.0814	1.0396	0.9950	-----	1.15	7.83	0.995	1.00	9.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3497	0.2557	0.3158	0.3382	0.3374	0.2969	0.2968	0.2859	-----	0.310	7.76	0.995	0.998	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1268	-----	0.0452	0.1010	0.1547	0.1662	0.1623	0.1616	-----	0.131	7.85	0.998	0.998	34	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorobenzene	1	0	Avg	0.3402	0.3477	0.3613	0.3721	0.3570	0.3189	0.3114	0.3022	-----	0.339	7.94	0.996	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.5808	1.6365	1.6885	1.6857	1.5460	1.4609	1.3784	1.2852	1.8868	1.57	7.98	0.993	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4.5-Trichloroaniline	1	0	Avg	0.4357	0.4167	0.4683	0.4544	0.4367	0.3981	0.3767	0.3414	-----	0.416	8.03	0.987	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.3745	0.2514	0.3570	0.3837	0.3892	0.3690	0.3555	0.3393	-----	0.353	7.96	0.996	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3301	0.1873	0.2425	0.3204	0.3393	0.3391	0.3345	0.3289	-----	0.303	7.91	0.999	1.00	19	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.5-Tetrachlorophe	1	0	Avg	0.2385	0.2285	0.2260	0.2798	0.2331	0.2777	0.2189	0.2896	-----	0.249	8.07	0.985	0.987	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Qua	0.2163	0.1679	0.2278	0.2116	0.2651	0.2052	0.2129	-----	-----	0.215	8.09	0.989	0.991	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Fluorene	1	0	Avg	1.2417	1.2689	1.3390	1.3702	1.2459	1.0965	1.0425	0.9605	-----	1.20	8.29	0.987	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.4959	0.5506	0.5357	0.5472	0.4992	0.4520	0.4281	0.3928	-----	0.488	8.29	0.988	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3155	1.2888	1.3573	1.3712	1.3524	1.2673	1.2305	1.1732	-----	1.29	8.18	0.996	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3691	0.2484	0.3368	0.3879	0.3869	0.3600	0.3562	0.3527	-----	0.350	8.30	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.5.6-Tetrachloroanili	1	0	Avg	0.3528	0.3660	0.3856	0.3965	0.3572	0.3341	0.3108	0.2977	-----	0.350	8.43	0.993	1.00	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3172	0.2526	0.3014	0.3349	0.3347	0.3177	0.3076	0.3026	-----	0.309	8.92	0.998	1.00	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1082	-----	0.0619	0.0980	0.1230	0.1207	0.1223	0.1235	-----	0.108	8.33	1.00	1.00	21		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6791	0.6132	0.6867	0.6998	0.6707	0.6335	0.6147	0.5740	-----	0.646	8.40	0.995	1.00	6.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0574	0.0371	0.0490	0.0532	0.0576	0.0577	0.0584	0.0575	-----	0.0536	8.52	1.00	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.2563	1.2078	1.2779	1.3271	1.1149	1.1372	1.0991	1.0002	-----	1.18	8.44	0.993	0.998	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1496	0.1123	0.1492	0.1540	0.1543	0.1434	0.1460	0.1331	-----	0.143	8.76	0.995	0.998	9.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1421	0.1419	0.1529	0.1503	0.1456	0.1383	0.1368	0.1269	-----	0.142	8.82	0.996	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7586	0.5882	0.7557	0.7769	0.7299	0.6645	0.6402	0.5916	-----	0.688	9.11	0.990	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.3

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0172

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M64989.	CAL BNA@50PPM	03/03/11 13:27	2	5M64990.	CAL BNA@2PPM	03/03/11 16:15
3	5M64991.	CAL BNA@10PPM	03/03/11 16:38	4	5M64984.	CAL BNA@20PPM	03/03/11 11:28
5	5M64985.	CAL BNA@80PPM	03/03/11 11:52	6	5M64986.	CAL BNA@120PPM	03/03/11 12:16
7	5M64987.	CAL BNA@160PPM	03/03/11 12:40	8	5M64988.	CAL BNA@196PPM	03/03/11 13:04
9	5M64982.	CAL BNA@.5PPM	03/03/11 10:40				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pentachloronitrobenzei	1	0	Avg	0.0743	0.0477	0.0644	0.0742	0.0747	0.0738	0.0712	0.0685	-----	0.0686	9.03	0.998	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0803	-----	0.0456	0.0682	0.0897	0.0909	0.0896	0.0875	-----	0.0789	9.02	0.999	1.00	21	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.0900	1.2270	1.1611	1.1213	1.0693	1.0230	0.9898	0.9361	-----	1.08	9.24	0.996	1.00	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1098	1.0227	1.1128	1.1451	1.1453	1.0588	1.0318	0.9481	-----	1.07	9.29	0.993	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroaniline	1	0	Avg	0.1527	0.1516	0.1545	0.1640	0.1554	0.1511	0.1508	0.1393	-----	0.152	9.49	0.996	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.0933	1.0680	1.1026	1.1569	1.0938	1.0512	1.0366	0.9689	-----	1.07	9.46	0.996	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.3600	0.9407	1.2105	1.3107	1.3649	1.3231	1.2877	1.2272	-----	1.25	9.86	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Parathion	1	0	Qua	0.0406	-----	0.0196	0.0308	0.0402	0.0426	0.0427	0.0409	-----	0.0368	10.06	0.998	0.999	23		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.0778	0.9930	1.0494	1.0926	1.0927	1.0161	1.0094	0.9560	-----	1.04	10.55	0.997	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.4131	1.2883	1.4274	1.5546	1.4579	1.4093	1.3468	1.3541	-----	1.41	10.80	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5024	0.1489	0.2374	0.4054	0.4336	0.3103	-----	-----	-----	0.340	10.71	0.916	0.993	39		50.00	2.00	10.00	20.00	80.00	120.0			
Terphenyl-d14	1	0	Avg	0.7579	0.7695	0.7425	0.8040	0.7940	0.7844	0.7903	0.7940	-----	0.780	11.01	1.00	1.00	2.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4,4'-DDE	1	0	Avg	0.2321	0.2142	0.2193	0.2456	0.2334	0.2349	0.2290	0.2201	-----	0.229	10.95	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.4672	0.3592	0.4396	0.4847	0.4781	0.4705	0.4492	0.4444	-----	0.449	11.34	0.999	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-hexyl phthalate	1	0	Qua	1.7538	0.8695	1.3638	1.6821	1.7940	1.8562	1.8335	1.7728	-----	1.62	11.54	0.999	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	LinF	0.7662	0.4544	0.6873	0.7887	0.7736	0.7732	0.7780	0.7407	-----	0.720	11.61	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3974	-----	0.3460	0.4166	0.4177	0.3962	0.3981	0.3833	-----	0.394	11.70	0.998	0.999	6.2		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3415	0.1634	0.2447	0.3111	0.3218	0.2918	0.2746	0.2589	-----	0.276	12.21	0.988	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1301	1.0712	1.1247	1.2189	1.1129	1.1224	1.1057	1.0341	-----	1.12	12.22	0.997	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1273	1.2104	1.1730	1.2213	1.1170	1.0472	1.0801	1.0344	-----	1.13	12.26	0.999	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Qua	0.9963	0.4873	0.7731	0.9098	0.9973	1.0618	1.0495	1.0302	-----	0.913	12.31	0.999	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.8350	0.6963	1.1717	1.4449	1.8953	2.0224	1.9544	1.9819	-----	1.63	13.06	0.997	0.998	30	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.0715	0.8708	1.0177	1.1305	1.1322	1.0982	1.0865	1.0931	-----	1.06	13.43	1.00	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1785	1.0451	1.1877	1.2559	1.0881	1.0953	1.1060	1.1403	-----	1.14	13.46	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1088	0.7376	1.0506	1.1388	1.1356	1.1392	1.0837	1.0489	-----	1.06	13.77	0.998	1.00	13	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	0.9982	0.7885	0.8712	0.9882	1.0479	1.0711	1.0385	1.0365	-----	0.980	14.96	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	0.8252	0.5703	0.7283	0.8218	0.8723	0.8922	0.8519	0.8468	-----	0.801	14.98	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.8359	0.7187	0.8258	0.8707	0.8816	0.8976	0.8741	0.8889	-----	0.849	15.27	1.00	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.3

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64989.D Sam Mult : 1 Vial# : 2 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:27 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	75445	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	288355	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	147600	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	234955	40.00	ng	0.00
102) Chrysene-d12	12.236	240	186581	40.00	ng	0.00
115) Perylene-d12	13.823	264	156713	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	128697	51.10	ng	0.00
Spiked Amount 100.000			Recovery = 51.10%			
16) Phenol-d5	5.104	99	178787	51.28	ng	0.00
Spiked Amount 100.000			Recovery = 51.28%			
32) Nitrobenzene-d5	5.863	128	30903	24.81	ng	0.00
Spiked Amount 50.000			Recovery = 49.62%			
56) 2-Fluorobiphenyl	7.241	172	117046	24.90	ng	0.00
Spiked Amount 50.000			Recovery = 49.80%			
88) 2,4,6-Tribromophenol	8.518	330	16885	54.11	ng	0.00
Spiked Amount 100.000			Recovery = 54.11%			
105) Terphenyl-d14	11.007	244	88391	24.70	ng	0.00
Spiked Amount 50.000			Recovery = 49.40%			
Target Compounds						Qvalue
8) Pyridine	2.396	79	174927	50.32	ng	87
9) N-Nitrosodimethylamine	2.337	74	105482	50.91	ng	87
11) Chloroacetamide	4.436	93	33986	55.51	ng	34
12) Benzaldehyde	5.013	77	95785	53.18	ng	91
13) Aniline	5.115	93	209750	58.31	ng	79
14) Pentachloroethane	5.152	117	44561	49.12	ng	91
15) bis(2-Chloroethyl)ether	5.184	93	142483	48.82	ng	94
17) Phenol	5.120	94	192329	49.41	ng	73
18) 2-Chlorophenol	5.222	128	129818	49.48	ng	94
19) N-Decane	5.281	57	182329	51.30	ng	95
20) 3-Chlorophenol	6.413	128	130926	50.33	ng	87
21) 1,3-Dichlorobenzene	5.350	146	141398	50.14	ng	98
22) 1,4-Dichlorobenzene	5.419	146	140128	48.93	ng	97
23) 1,2-Dichlorobenzene	5.542	146	137076	51.34	ng	97
24) Benzyl alcohol	5.532	108	93553	52.50	ng	78
25) bis(2-chloroisopropyl)...	5.644	45	252935	50.84	ng	98
26) 2-Methylphenol	5.633	108	132083	52.63	ng	96
27) Acetophenone	5.745	105	202520	50.63	ng	69
28) Hexachloroethane	5.825	117	60517	51.32	ng	93
29) N-Nitroso-di-n-propyla...	5.751	70	107835	52.31	ng	84
30) 3&4-Methylphenol	5.761	108	140924	53.48	ng	100
33) Nitrobenzene	5.879	77	165005	49.78	ng	91
34) Isophorone	6.071	82	288681	50.55	ng	99
35) 2-Nitrophenol	6.135	139	67309	52.30	ng	90
36) 2,4-Dimethylphenol	6.173	107	138442	50.75	ng	95
37) Benzoic Acid	6.264	105	88969	49.07	ng	96
38) bis(2-Chloroethoxy)met...	6.247	93	168375	49.95	ng	97
39) 2,4-Dichlorophenol	6.322	162	97081	50.74	ng	95
40) 1,2,4-Trichlorobenzene	6.381	180	104099	48.60	ng	98
41) Naphthalene	6.440	128	373053	47.42	ng	99
42) 3-Chloroaniline	6.472	127	162930	54.74	ng	100
43) 4-Chloroaniline	6.488	127	136211	58.40	ng	89
44) Hexachlorobutadiene	6.536	225	45708	48.63	ng	96
45) Caprolactam	6.750	113	42588	51.61	ng	64
46) 4-Chloro-3-methylphenol	6.851	107	116794	50.50	ng	95
47) 2-Methylnaphthalene	6.963	142	229990	49.73	ng	98
48) Methylnaphthalenes (To...	6.963	142	228514	49.40	ng	98
49) 2,4-Dichloroaniline	7.081	161	113383	53.50	ng	94
50) 1,1'-Biphenyl	7.321	154	316145	51.66	ng	100
52) 1,2,4,5-Tetrachloroben...	7.092	216	92507	51.71	ng	97
53) Hexachlorocyclopentadiene	7.081	237	38796	55.93	ng	96
54) 2,4,6-Trichlorophenol	7.182	196	57328	50.70	ng	99
55) 2,4,5-Trichlorophenol	7.214	196	64645	53.46	ng	99
57) 1,2,3,4-Tetrachloroben...	7.311	214	69052	51.45	ng	54
58) 2-Chloronaphthalene	7.343	162	208983	51.25	ng	96
59) 3,4-Dichlorophenol	7.407	162	94192	52.37	ng	90
60) 3,4-Dichloroaniline	7.524	161	103236	63.70	ng	96
61) 1,4-Dimethylnaphthalene	7.610	156	160641	52.51	ng	98
62) Dimethylnaphthalenes (...	7.610	156	160641	52.51	ng	98
63) Diphenyl Ether	7.407	170	156674	52.12	ng	92
64) 2-Nitroaniline	7.423	65	113289	54.47	ng	78
65) Coumarin	7.594	146	96757	53.04	ng	74

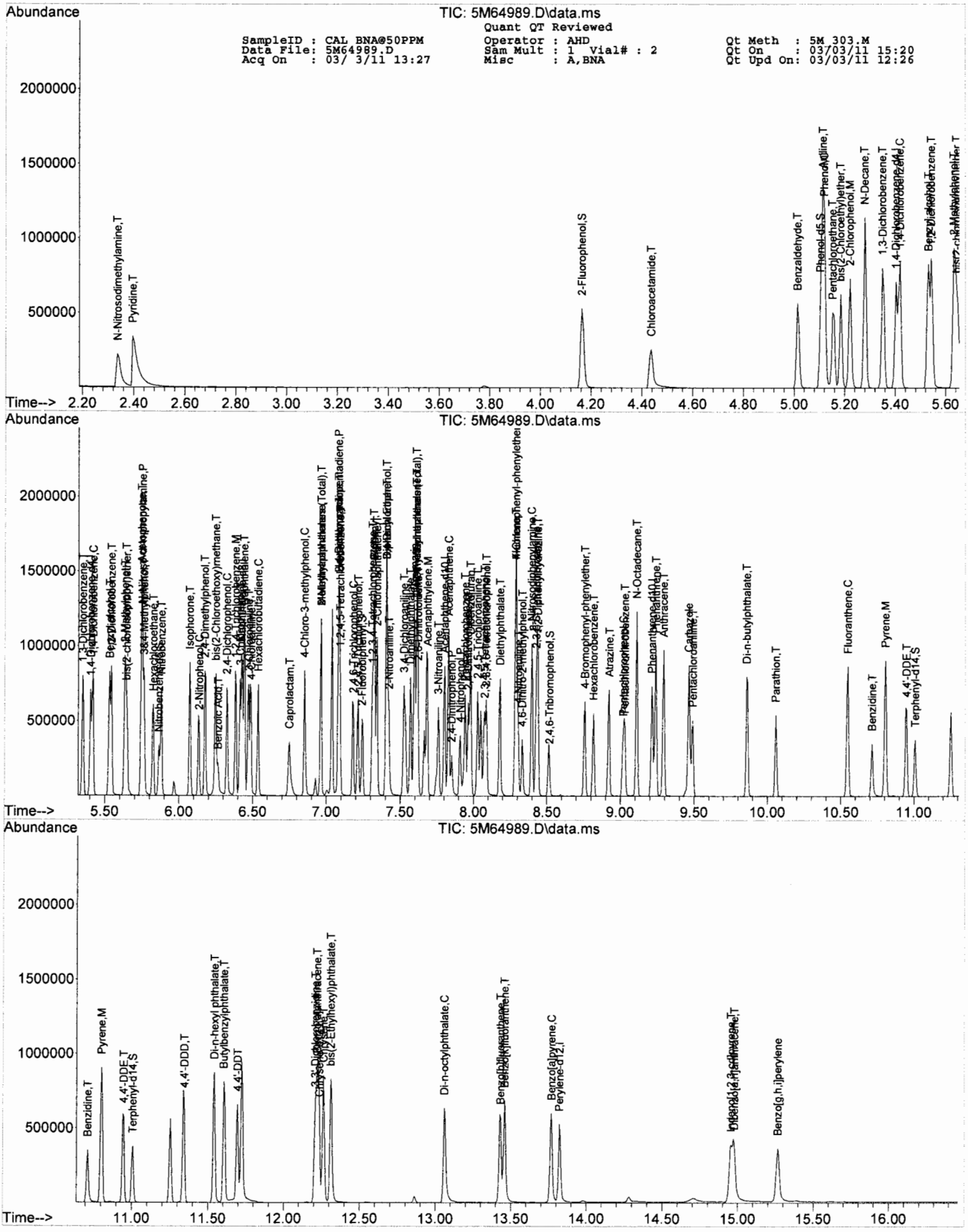
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64989.D Sam Mult : 1 Vial# : 2 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:27 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.685	152	348411	50.74	ng	99
67)	Dimethylphthalate	7.567	163	228890	49.85	ng	99
68)	2,6-Dinitrotoluene	7.620	165	51910	52.05	ng	76
69)	Acenaphthene	7.829	153	212797	49.66	ng	95
70)	3-Nitroaniline	7.759	138	64533	58.92	ng	93
71)	2,4-Dinitrophenol	7.850	184	23408	44.86	ng	70
72)	Pentachlorobenzene	7.941	250	62781	49.40	ng	100
73)	Dibenzofuran	7.978	168	291669	50.14	ng	93
74)	2,4,5-Trichloroaniline	8.026	195	80404	53.51	ng	98
75)	2,4-Dinitrotoluene	7.962	165	69097	52.17	ng	96
76)	4-Nitrophenol	7.909	65	60907	52.83	ng	92
77)	2,3,4,5-Tetrachlorophenol	8.075	232	44009	50.19	ng	98
78)	2,3,4,6-Tetrachlorophenol	8.085	232	39918	48.88	ng	96
79)	Fluorene	8.288	166	229096	51.68	ng	99
80)	4-Chlorophenyl-phenyle...	8.288	204	91507	50.41	ng	96
81)	Diethylphthalate	8.181	149	242709	51.30	ng	100
82)	4-Nitroaniline	8.304	138	68111	52.32	ng	93
83)	2,3,5,6-Tetrachloroani...	8.427	231	65098	50.27	ng	97
84)	Atrazine	8.924	200	58523	52.29	ng	99
86)	4,6-Dinitro-2-methylph...	8.331	198	31782	47.70	ng	28
87)	n-Nitrosodiphenylamine	8.395	169	199451	52.45	ng	99
89)	1,2-Diphenylhydrazine	8.438	77	368978	53.59	ng	97
90)	4-Bromophenyl-phenylether	8.758	248	43964	51.09	ng	93
91)	Hexachlorobenzene	8.817	284	41754	49.90	ng	98
92)	N-Octadecane	9.111	57	222816	56.14	ng	94
93)	Pentachloronitrobenzene	9.031	237	21825	55.00	ng	88
94)	Pentachlorophenol	9.020	266	23596	50.58	ng	92
95)	Phenanthrene	9.239	178	320152	51.44	ng	99
96)	Anthracene	9.293	178	325955	51.88	ng	99
97)	Pentachloroaniline	9.490	265	44873	51.21	ng	98
98)	Carbazole	9.464	167	321104	51.38	ng	100
99)	Di-n-butylphthalate	9.859	149	399445	55.08	ng	99
100)	Parathion	10.057	291	11950	56.20	ng	99
101)	Fluoranthene	10.548	202	316564	52.64	ng	94
103)	Pyrene	10.804	202	329587	50.83	ng	97
104)	Benzidine	10.714	184	117195	69.97	ng	100
106)	4,4'-DDE	10.949	246	54133	50.98	ng	88
107)	4,4'-DDD	11.344	235	108976	52.79	ng	82
108)	Di-n-hexyl phthalate	11.542	149	409039	56.30	ng	100
109)	Butylbenzylphthalate	11.606	149	178703	54.61	ng	91
110)	4,4'-DDT	11.697	235	92691	50.84	ng	83
111)	3,3'-Dichlorobenzidine	12.209	252	79646	66.97	ng	98
112)	Benzo[a]anthracene	12.220	228	263590	51.03	ng	100
113)	Chrysene	12.263	228	262916	51.02	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.311	149	232371	57.27	ng	99
116)	Di-n-octylphthalate	13.059	149	359460	53.56	ng	100
117)	Benzo[b]fluoranthene	13.433	252	209911	50.42	ng	97
118)	Benzo[k]fluoranthene	13.460	252	230869m	51.16	ng	
119)	Benzo[a]pyrene	13.769	252	217206	53.15	ng	97
120)	Indeno[1,2,3-cd]pyrene	14.955	276	195549	52.13	ng	76
121)	Dibenzo[a,h]anthracene	14.977	278	161668	52.08	ng	87
122)	Benzo[g,h,i]perylene	15.265	276	163762	49.76	ng	90

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


Abundance
TIC: 5M64989.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64989.D
Acq On : 03/ 3/11 13:27
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:20
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Phenol,M
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64989.D\data.ms
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Pentachlorophenol,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64989.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64990.D Sam Mult : 1 Vial# : 3 Qt On : 03/03/11 16:36
Acq On : 03/ 3/11 16:15 Misc : A,BNA Qt Upd On: 03/03/11 16:08

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.404	152	79558	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	293607	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	151684	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	256596	40.00	ng	0.00
102) Chrysene-d12	12.236	240	197092	40.00	ng	0.00
115) Perylene-d12	13.828	264	161758	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	4874	1.88	ng	0.00
Spiked Amount 100.000			Recovery = 1.88%			
16) Phenol-d5	5.110	99	7055	1.96	ng	0.00
Spiked Amount 100.000			Recovery = 1.96%			
32) Nitrobenzene-d5	5.863	128	1117	0.89	ng	0.00
Spiked Amount 50.000			Recovery = 1.78%			
56) 2-Fluorobiphenyl	7.247	172	5348	1.12	ng	0.00
Spiked Amount 50.000			Recovery = 2.24%			
88) 2,4,6-Tribromophenol	8.518	330	476m	1.28	ng	0.00
Spiked Amount 100.000			Recovery = 1.28%			
105) Terphenyl-d14	11.013	244	3792	1.00	ng	0.00
Spiked Amount 50.000			Recovery = 2.00%			
Target Compounds						Qvalue
8) Pyridine	2.471	79	7012	1.92	ng	98
9) N-Nitrosodimethylamine	2.369	74	4533	2.09	ng	79
11) Chloroacetamide	0.000		0	N.D.		
12) Benzaldehyde	5.019	77	4237	1.84	ng	85
13) Aniline	5.120	93	6393	1.65	ng	90
14) Pentachloroethane	5.158	117	1940	2.08	ng	93
15) bis(2-Chloroethyl)ether	5.185	93	6218	2.05	ng	88
17) Phenol	5.120	94	8693	2.15	ng	71
18) 2-Chlorophenol	5.222	128	5476	1.98	ng	90
19) N-Decane	5.281	57	7858	2.14	ng	93
20) 3-Chlorophenol	6.419	128	4372m	1.63	ng	
21) 1,3-Dichlorobenzene	5.350	146	5972	2.02	ng	95
22) 1,4-Dichlorobenzene	5.420	146	6254	2.08	ng	97
23) 1,2-Dichlorobenzene	5.548	146	5856	2.11	ng	96
24) Benzyl alcohol	5.532	108	3393	1.84	ng	86
25) bis(2-chloroisopropyl)...	5.644	45	11731	2.27	ng	97
26) 2-Methylphenol	5.633	108	5007	1.89	ng	100
27) Acetophenone	5.745	105	8604	2.07	ng	69
28) Hexachloroethane	5.826	117	2532	2.02	ng	94
29) N-Nitroso-di-n-propyla...	5.751	70	4428	2.06	ng	87
30) 3&4-Methylphenol	5.761	108	5536	1.97	ng	99
33) Nitrobenzene	5.879	77	6648	1.98	ng	91
34) Isophorone	6.071	82	11381	1.94	ng	94
35) 2-Nitrophenol	6.135	139	2232	1.69	ng	92
36) 2,4-Dimethylphenol	6.178	107	5485	2.00	ng	95
37) Benzoic Acid	6.226	105	1139	0.74	ng	94
38) bis(2-Chloroethoxy)met...	6.248	93	7030	2.03	ng	95
39) 2,4-Dichlorophenol	6.328	162	3599	1.87	ng	86
40) 1,2,4-Trichlorobenzene	6.387	180	4556	2.10	ng	98
41) Naphthalene	6.445	128	17380	2.23	ng	100
42) 3-Chloroaniline	6.472	127	4804	1.54	ng	94
43) 4-Chloroaniline	6.488	127	4939	2.02	ng	85
44) Hexachlorobutadiene	6.541	225	2130	2.28	ng	92
45) Caprolactam	6.728	113	1094	1.33	ng	61
46) 4-Chloro-3-methylphenol	6.851	107	3935	1.69	ng	90
47) 2-Methylnaphthalene	6.963	142	9958	2.12	ng	91
48) Methylnaphthalenes (To...	6.963	142	9881	2.10	ng	91
49) 2,4-Dichloroaniline	7.086	161	4904	2.23	ng	94
50) 1,1'-Biphenyl	7.327	154	13781	2.20	ng	98
52) 1,2,4,5-Tetrachloroben...	7.092	216	4154	2.27	ng	93
53) Hexachlorocyclopentadiene	7.086	237	768	1.01	ng	94
54) 2,4,6-Trichlorophenol	7.183	196	1915	1.67	ng	92
55) 2,4,5-Trichlorophenol	7.215	196	2269	1.80	ng	80
57) 1,2,3,4-Tetrachloroben...	7.316	214	3268	2.35	ng	55
58) 2-Chloronaphthalene	7.343	162	8988	2.17	ng	97
59) 3,4-Dichlorophenol	7.407	162	3766	2.06	ng	91
60) 3,4-Dichloroaniline	7.530	161	3740	1.57	ng	98
61) 1,4-Dimethylnaphthalene	7.615	156	7274	2.32	ng	96
62) Dimethylnaphthalenes (...	7.615	156	7274	2.32	ng	96
63) Diphenyl Ether	7.412	170	7062	2.28	ng	84
64) 2-Nitroaniline	7.423	65	3978	1.84	ng	87
65) Coumarin	7.594	146	4224	2.25	ng	88

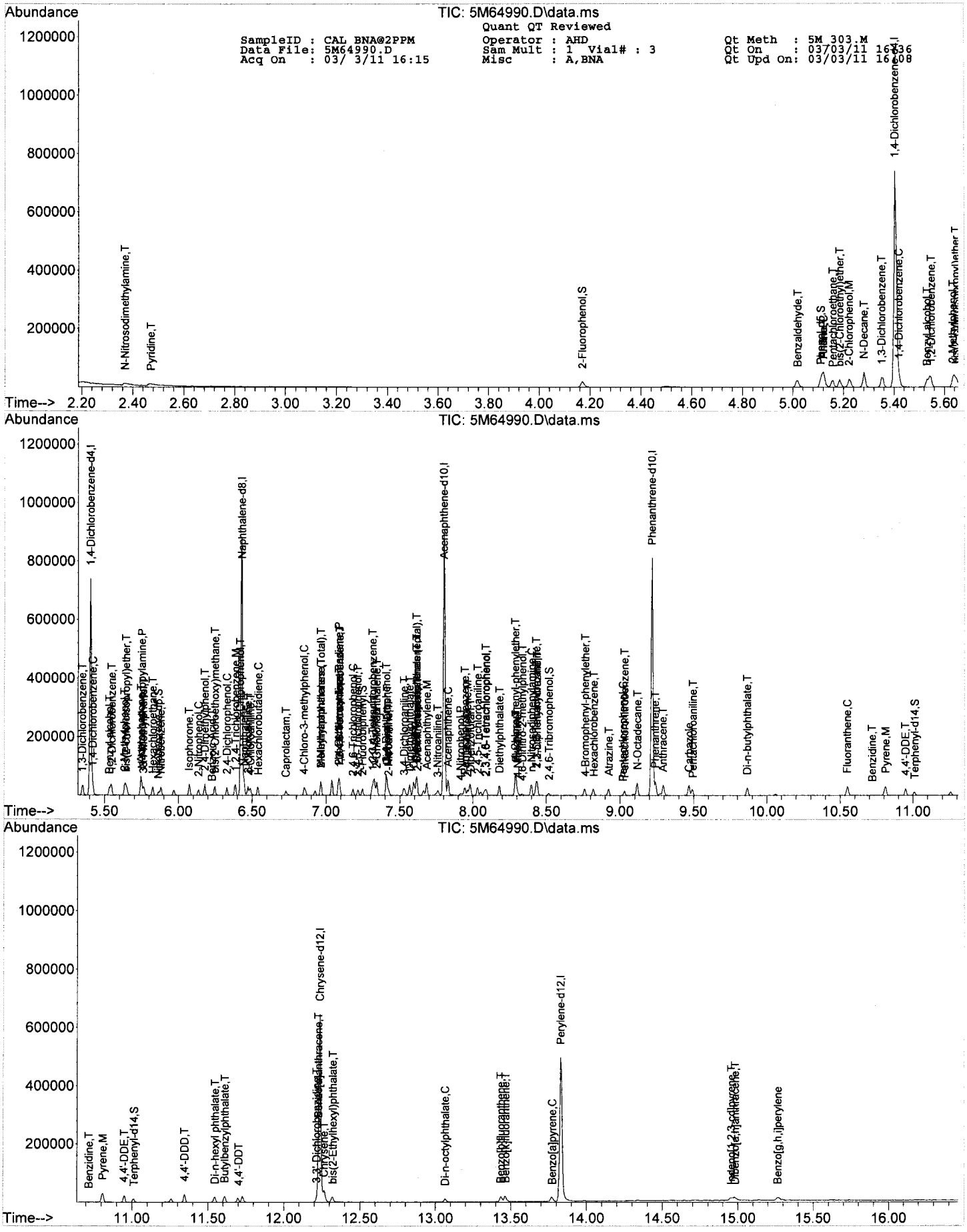
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64990.D Sam Mult : 1 Vial# : 3 Qt On : 03/03/11 16:36
Acq On : 03/ 3/11 16:15 Misc : A,BNA Qt Upd On: 03/03/11 16:08

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.685	152	14722	2.08 ng	98
67) Dimethylphthalate	7.567	163	9832	2.04 ng	99
68) 2,6-Dinitrotoluene	7.621	165	1825	1.77 ng	84
69) Acenaphthene	7.829	153	9653	2.22 ng	93
70) 3-Nitroaniline	7.759	138	1940	1.67 ng	80
71) 2,4-Dinitrophenol	0.000		0	N.D.	
72) Pentachlorobenzene	7.946	250	2637	2.03 ng	96
73) Dibenzofuran	7.984	168	12412	2.08 ng	91
74) 2,4,5-Trichloroaniline	8.032	195	3161	1.99 ng	95
75) 2,4-Dinitrotoluene	7.962	165	1907	1.43 ng	89
76) 4-Nitrophenol	7.914	65	1421	1.09 ng	89
77) 2,3,4,5-Tetrachlorophenol	8.085	232	1733m	1.84 ng	
78) 2,3,4,6-Tetrachlorophenol	8.091	232	1274m	1.43 ng	
79) Fluorene	8.294	166	9624	2.12 ng	96
80) 4-Chlorophenyl-phenyle...	8.288	204	4176	2.24 ng	95
81) Diethylphthalate	8.181	149	9775	2.01 ng	95
82) 4-Nitroaniline	8.304	138	1884	1.42 ng	95
83) 2,3,5,6-Tetrachloroani...	8.433	231	2776	2.08 ng	99
84) Atrazine	8.924	200	1916	1.65 ng	99
86) 4,6-Dinitro-2-methylph...	8.336	198	355m	0.49 ng	
87) n-Nitrosodiphenylamine	8.401	169	7868	1.90 ng	98
89) 1,2-Diphenylhydrazine	8.438	77	15497	2.06 ng	99
90) 4-Bromophenyl-phenylether	8.764	248	1442	1.55 ng	78
91) Hexachlorobenzene	8.823	284	1821	1.99 ng	93
92) N-Octadecane	9.116	57	7547	1.73 ng	96
93) Pentachloronitrobenzene	9.031	237	613	1.35 ng	78
94) Pentachlorophenol	9.020	266	350	0.62 ng	93
95) Phenanthrene	9.239	178	15743	2.31 ng	96
96) Anthracene	9.293	178	13122	1.92 ng	98
97) Pentachloroaniline	9.496	265	1945	1.99 ng	90
98) Carbazole	9.469	167	13703	2.01 ng	99
99) Di-n-butylphthalate	9.864	149	12069	1.52 ng	99
100) Parathion	0.000		0	N.D. d	
101) Fluoranthene	10.548	202	12740	1.96 ng	93
103) Pyrene	10.810	202	12696	1.84 ng	95
104) Benzidine	10.719	184	1468	0.50 ng	64
106) 4,4'-DDE	10.949	246	2111	1.88 ng	83
107) 4,4'-DDD	11.344	235	3540	1.62 ng	83
108) Di-n-hexyl phthalate	11.547	149	8569	0.94 ng	100
109) Butylbenzylphthalate	11.611	149	4478	1.27 ng	94
110) 4,4'-DDT	11.702	235	2089	1.08 ng	80
111) 3,3'-Dichlorobenzidine	12.215	252	1611	0.92 ng	99
112) Benzo[a]anthracene	12.226	228	10557	1.92 ng	97
113) Chrysene	12.263	228	11928	2.17 ng	97
114) bis(2-Ethylhexyl)phtha...	12.322	149	4803	0.96 ng	95
116) Di-n-octylphthalate	13.064	149	5632	0.87 ng	98
117) Benzo[b]fluoranthene	13.433	252	7043m	1.64 ng	
118) Benzo[k]fluoranthene	13.465	252	8453m	1.83 ng	
119) Benzo[a]pyrene	13.775	252	5966	1.42 ng	95
120) Indeno[1,2,3-cd]pyrene	14.955	276	6378	1.63 ng	92
121) Dibenzo[a,h]anthracene	14.982	278	4613	1.43 ng	88
122) Benzo[g,h,i]perylene	15.265	276	5813	1.72 ng	86

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


Abundance
TIC: 5M64990.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 5M64990.D
Acq On : 03/ 3/11 16:15
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 16:36
Qt Upd On: 03/03/11 16:08
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64991.D Sam Mult : 1 Vial# : 5 Qt On : 03/03/11 16:53
Acq On : 03/ 3/11 16:38 Misc : A,BNA Qt Upd On: 03/03/11 16:43

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.404	152	69250	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	271997	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	138854	40.00	ng	0.00
85) Phenanthrene-d10	9.213	188	227735	40.00	ng	0.00
102) Chrysene-d12	12.231	240	179845	40.00	ng	0.00
115) Perylene-d12	13.828	264	150916	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	24167	10.61	ng	0.00
Spiked Amount 100.000			Recovery = 10.61%			
16) Phenol-d5	5.104	99	34857	11.11	ng	0.00
Spiked Amount 100.000			Recovery = 11.11%			
32) Nitrobenzene-d5	5.863	128	5442	4.67	ng	0.00
Spiked Amount 50.000			Recovery = 9.34%			
56) 2-Fluorobiphenyl	7.247	172	23257	5.22	ng	0.00
Spiked Amount 50.000			Recovery = 10.44%			
88) 2,4,6-Tribromophenol	8.513	330	2791	8.47	ng	0.00
Spiked Amount 100.000			Recovery = 8.47%			
105) Terphenyl-d14	11.008	244	16692	4.75	ng	0.00
Spiked Amount 50.000			Recovery = 9.50%			
Target Compounds						Qvalue
8) Pyridine	2.423	79	32250	9.99	ng	92
9) N-Nitrosodimethylamine	2.353	74	18762	9.83	ng	86
11) Chloroacetamide	4.442	93	5022	8.21	ng	48
12) Benzaldehyde	5.014	77	18362	9.46	ng	84
13) Aniline	5.115	93	33935	10.00	ng	84
14) Pentachloroethane	5.158	117	8858	10.86	ng	95
15) bis(2-Chloroethyl)ether	5.184	93	29702	11.25	ng	87
17) Phenol	5.120	94	40005	11.25	ng	76
18) 2-Chlorophenol	5.222	128	24565	10.22	ng	94
19) N-Decane	5.281	57	34776	10.88	ng	93
20) 3-Chlorophenol	6.413	128	24432	10.55	ng	83
21) 1,3-Dichlorobenzene	5.350	146	28269	11.07	ng	98
22) 1,4-Dichlorobenzene	5.420	146	29296	11.30	ng	95
23) 1,2-Dichlorobenzene	5.542	146	26188	10.84	ng	99
24) Benzyl alcohol	5.532	108	17348	10.72	ng	78
25) bis(2-chloroisopropyl)...	5.644	45	52254	11.59	ng	100
26) 2-Methylphenol	5.633	108	25448	11.07	ng	95
27) Acetophenone	5.745	105	40362	11.13	ng	68
28) Hexachloroethane	5.826	117	11513	10.49	ng	94
29) N-Nitroso-di-n-propyla...	5.745	70	20725	11.04	ng	91
30) 3&4-Methylphenol	5.761	108	26491	10.81	ng	97
33) Nitrobenzene	5.879	77	32146	10.29	ng	93
34) Isophorone	6.071	82	54616	10.04	ng	94
35) 2-Nitrophenol	6.135	139	10506	8.50	ng	88
36) 2,4-Dimethylphenol	6.173	107	26237	10.23	ng	94
37) Benzoic Acid	6.232	105	5668m	3.97	ng	
38) bis(2-Chloroethoxy)met...	6.242	93	33913	10.58	ng	98
39) 2,4-Dichlorophenol	6.322	162	17784	9.87	ng	96
40) 1,2,4-Trichlorobenzene	6.381	180	21801	10.83	ng	99
41) Naphthalene	6.440	128	73727	10.17	ng	99
42) 3-Chloroaniline	6.467	127	26234	9.08	ng	92
43) 4-Chloroaniline	6.483	127	21430m	9.33	ng	
44) Hexachlorobutadiene	6.536	225	9076	10.37	ng	96
45) Caprolactam	6.728	113	6996	9.12	ng	68
46) 4-Chloro-3-methylphenol	6.851	107	21202	9.88	ng	92
47) 2-Methylnaphthalene	6.963	142	45804	10.49	ng	97
48) Methylnaphthalenes (To...	6.963	142	46015	10.56	ng	97
49) 2,4-Dichloroaniline	7.081	161	22980	11.11	ng	95
50) 1,1'-Biphenyl	7.321	154	63708	10.95	ng	99
52) 1,2,4,5-Tetrachloroben...	7.092	216	19082	11.36	ng	98
53) Hexachlorocyclopentadiene	7.081	237	5199	7.50	ng	82
54) 2,4,6-Trichlorophenol	7.182	196	10762	10.10	ng	95
55) 2,4,5-Trichlorophenol	7.215	196	10610	9.23	ng	97
57) 1,2,3,4-Tetrachloroben...	7.311	214	14220	11.03	ng	52
58) 2-Chloronaphthalene	7.343	162	42098	11.03	ng	96
59) 3,4-Dichlorophenol	7.407	162	17751	10.46	ng	90
60) 3,4-Dichloroaniline	7.524	161	19387	9.12	ng	96
61) 1,4-Dimethylnaphthalene	7.610	156	31590	10.91	ng	96
62) Dimethylnaphthalenes (...	7.610	156	31590	10.91	ng	96
63) Diphenyl Ether	7.407	170	31423	11.06	ng	94
64) 2-Nitroaniline	7.418	65	20790	10.46	ng	91
65) Coumarin	7.594	146	18875	10.82	ng	73

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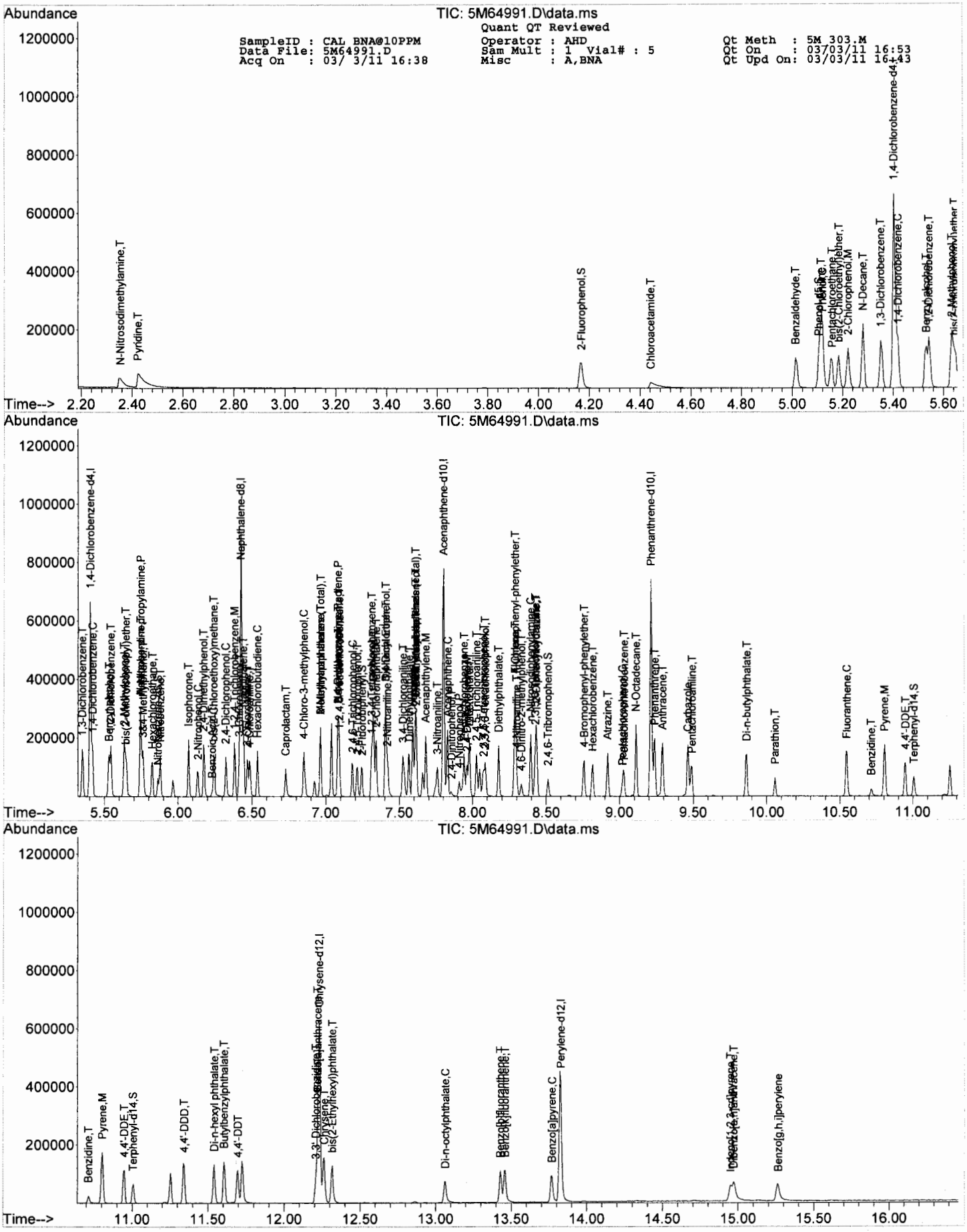
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64991.D Sam Mult : 1 Vial# : 5 Qt On : 03/03/11 16:53
Acq On : 03/ 3/11 16:38 Misc : A,BNA Qt Upd On: 03/03/11 16:43

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.679	152	68158	10.51 ng	99
67) Dimethylphthalate	7.567	163	44833	10.46 ng	99
68) 2,6-Dinitrotoluene	7.615	165	9422	10.00 ng	95
69) Acenaphthene	7.829	153	43097	10.80 ng	96
70) 3-Nitroaniline	7.759	138	10964	10.22 ng	91
71) 2,4-Dinitrophenol	7.856	184	1569	3.68 ng	31
72) Pentachlorobenzene	7.941	250	12543	10.62 ng	100
73) Dibenzofuran	7.978	168	58615	10.75 ng	90
74) 2,4,5-Trichloroaniline	8.027	195	16259	11.33 ng	98
75) 2,4-Dinitrotoluene	7.962	165	12396	10.14 ng	90
76) 4-Nitrophenol	7.909	65	8418	7.09 ng	97
77) 2,3,4,5-Tetrachlorophenol	8.075	232	7846m	9.11 ng	
78) 2,3,4,6-Tetrachlorophenol	8.085	232	7910m	9.69 ng	
79) Fluorene	8.288	166	46483	11.20 ng	99
80) 4-Chlorophenyl-phenyle...	8.288	204	18599	10.93 ng	94
81) Diethylphthalate	8.176	149	47118	10.52 ng	99
82) 4-Nitroaniline	8.299	138	11694	9.64 ng	98
83) 2,3,5,6-Tetrachloroani...	8.427	231	13386	10.99 ng	94
84) Atrazine	8.919	200	10463	9.80 ng	94
86) 4,6-Dinitro-2-methylph...	8.331	198	3529	5.45 ng	10
87) n-Nitrosodiphenylamine	8.395	169	39098	10.61 ng	98
89) 1,2-Diphenylhydrazine	8.433	77	72758	10.83 ng	97
90) 4-Bromophenyl-phenylether	8.758	248	8495	10.48 ng	89
91) Hexachlorobenzene	8.817	284	8705	10.87 ng	96
92) N-Octadecane	9.111	57	43030	11.07 ng	98
93) Pentachloronitrobenzene	9.031	237	3667	9.09 ng	86
94) Pentachlorophenol	9.020	266	2599	5.19 ng	91
95) Phenanthrene	9.239	178	66110	10.81 ng	96
96) Anthracene	9.293	178	63359	10.41 ng	99
97) Pentachloroaniline	9.490	265	8800	10.10 ng	97
98) Carbazole	9.464	167	62779	10.32 ng	97
99) Di-n-butylphthalate	9.864	149	68921	9.72 ng	98
100) Parathion	10.057	291	1121m	4.77 ng	
101) Fluoranthene	10.548	202	59746	10.15 ng	98
103) Pyrene	10.805	202	64180	10.17 ng	97
104) Benzidine	10.714	184	10675	4.06 ng	99
106) 4,4'-DDE	10.949	246	9862	9.61 ng	90
107) 4,4'-DDD	11.344	235	19766	9.78 ng	82
108) Di-n-hexyl phthalate	11.542	149	61318	7.40 ng	100
109) Butylbenzylphthalate	11.606	149	30904	9.59 ng	94
110) 4,4'-DDT	11.697	235	15559	9.34 ng	82
111) 3,3'-Dichlorobenzidine	12.210	252	11004	6.98 ng	85
112) Benzo[a]anthracene	12.220	228	50568	10.09 ng	98
113) Chrysene	12.263	228	52742	10.43 ng	99
114) bis(2-Ethylhexyl)phtha...	12.316	149	34763	7.60 ng	98
116) Di-n-octylphthalate	13.064	149	44210	7.30 ng	98
117) Benzo[b]fluoranthene	13.428	252	38399	9.59 ng	93
118) Benzo[k]fluoranthene	13.460	252	44812	10.38 ng	98
119) Benzo[a]pyrene	13.769	252	39640	10.07 ng	94
120) Indeno[1,2,3-cd]pyrene	14.950	276	32871	8.91 ng	74
121) Dibenzo[a,h]anthracene	14.971	278	27478	9.11 ng	84
122) Benzo[g,h,i]perylene	15.265	276	31157	9.80 ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M64991.D
Acq On : 03/ 3/11 16:38
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 16:53
Qt Upd On: 03/03/11 16:43
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64984.D Sam Mult : 1 Vial# : 6 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:28 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	81569	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	311230	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	160204	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	267238	40.00	ng	0.00
102) Chrysene-d12	12.231	240	202075	40.00	ng	0.00
115) Perylene-d12	13.823	264	170067	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	55481	20.37	ng	0.00
Spiked Amount 100.000			Recovery = 20.37%			
16) Phenol-d5	5.104	99	80610	21.39	ng	0.00
Spiked Amount 100.000			Recovery = 21.39%			
32) Nitrobenzene-d5	5.863	128	13831	10.29	ng	0.00
Spiked Amount 50.000			Recovery = 20.58%			
56) 2-Fluorobiphenyl	7.241	172	54876	10.76	ng	0.00
Spiked Amount 50.000			Recovery = 21.52%			
88) 2,4,6-Tribromophenol	8.513	330	7118	20.06	ng	0.00
Spiked Amount 100.000			Recovery = 20.06%			
105) Terphenyl-d14	11.007	244	40621	10.48	ng	0.00
Spiked Amount 50.000			Recovery = 20.96%			
Target Compounds						Qvalue
8) Pyridine	2.406	79	78034	20.76	ng	85
9) N-Nitrosodimethylamine	2.342	74	46533	20.77	ng	86
11) Chloroacetamide	4.431	93	13834	20.90	ng	40
12) Benzaldehyde	5.013	77	46471	23.86	ng	89
13) Aniline	5.115	93	92355	23.75	ng	78
14) Pentachloroethane	5.152	117	20591	20.99	ng	92
15) bis(2-Chloroethyl)ether	5.184	93	68842	21.81	ng	90
17) Phenol	5.115	94	89531	21.27	ng	53
18) 2-Chlorophenol	5.222	128	59994	21.15	ng	92
19) N-Decane	5.281	57	83275	21.67	ng	95
20) 3-Chlorophenol	6.413	128	61255	21.78	ng	89
21) 1,3-Dichlorobenzene	5.350	146	63433	20.81	ng	96
22) 1,4-Dichlorobenzene	5.419	146	66395	21.44	ng	97
23) 1,2-Dichlorobenzene	5.542	146	62625	21.69	ng	98
24) Benzyl alcohol	5.532	108	41346	21.46	ng	80
25) bis(2-chloroisopropyl)...	5.644	45	117314	21.81	ng	98
26) 2-Methylphenol	5.633	108	60681	22.36	ng	98
27) Acetophenone	5.745	105	95043	21.98	ng	67
28) Hexachloroethane	5.820	117	27136	21.28	ng	89
29) N-Nitroso-di-n-propyla...	5.745	70	50304	22.57	ng	91
30) 3&4-Methylphenol	5.761	108	63630	22.34	ng	97
33) Nitrobenzene	5.879	77	77625	21.70	ng	93
34) Isophorone	6.071	82	131914	21.40	ng	97
35) 2-Nitrophenol	6.130	139	29232	21.05	ng	82
36) 2,4-Dimethylphenol	6.173	107	63817	21.67	ng	97
37) Benzoic Acid	6.242	105	27708	14.16	ng	93
38) bis(2-Chloroethoxy)met...	6.242	93	79921	21.97	ng	98
39) 2,4-Dichlorophenol	6.322	162	44111	21.36	ng	94
40) 1,2,4-Trichlorobenzene	6.381	180	49519	21.42	ng	99
41) Naphthalene	6.440	128	175548	20.67	ng	99
42) 3-Chloroaniline	6.467	127	71807	22.35	ng	91
43) 4-Chloroaniline	6.483	127	55260	21.95	ng	84
44) Hexachlorobutadiene	6.536	225	21144	20.84	ng	97
45) Caprolactam	6.734	113	18789	21.10	ng	62
46) 4-Chloro-3-methylphenol	6.851	107	52919	21.20	ng	94
47) 2-Methylnaphthalene	6.963	142	111013	22.24	ng	97
48) Methylnaphthalenes (To...	6.963	142	111164	22.27	ng	97
49) 2,4-Dichloroaniline	7.081	161	55242	24.15	ng	95
50) 1,1'-Biphenyl	7.321	154	152100	23.03	ng	99
52) 1,2,4,5-Tetrachloroben...	7.092	216	44011	22.67	ng	99
53) Hexachlorocyclopentadiene	7.081	237	15887	21.10	ng	97
54) 2,4,6-Trichlorophenol	7.177	196	25447	20.74	ng	96
55) 2,4,5-Trichlorophenol	7.214	196	29127	22.19	ng	98
57) 1,2,3,4-Tetrachloroben...	7.311	214	32986	22.64	ng	55
58) 2-Chloronaphthalene	7.343	162	95045	21.47	ng	96
59) 3,4-Dichlorophenol	7.401	162	44080	22.58	ng	93
60) 3,4-Dichloroaniline	7.524	161	49062	27.89	ng	96
61) 1,4-Dimethylnaphthalene	7.610	156	76974	23.18	ng	96
62) Dimethylnaphthalenes (...	7.610	156	76974	23.18	ng	96
63) Diphenyl Ether	7.407	170	75653	23.19	ng	92
64) 2-Nitroaniline	7.417	65	50901	22.55	ng	91
65) Coumarin	7.594	146	45789	23.12	ng	76

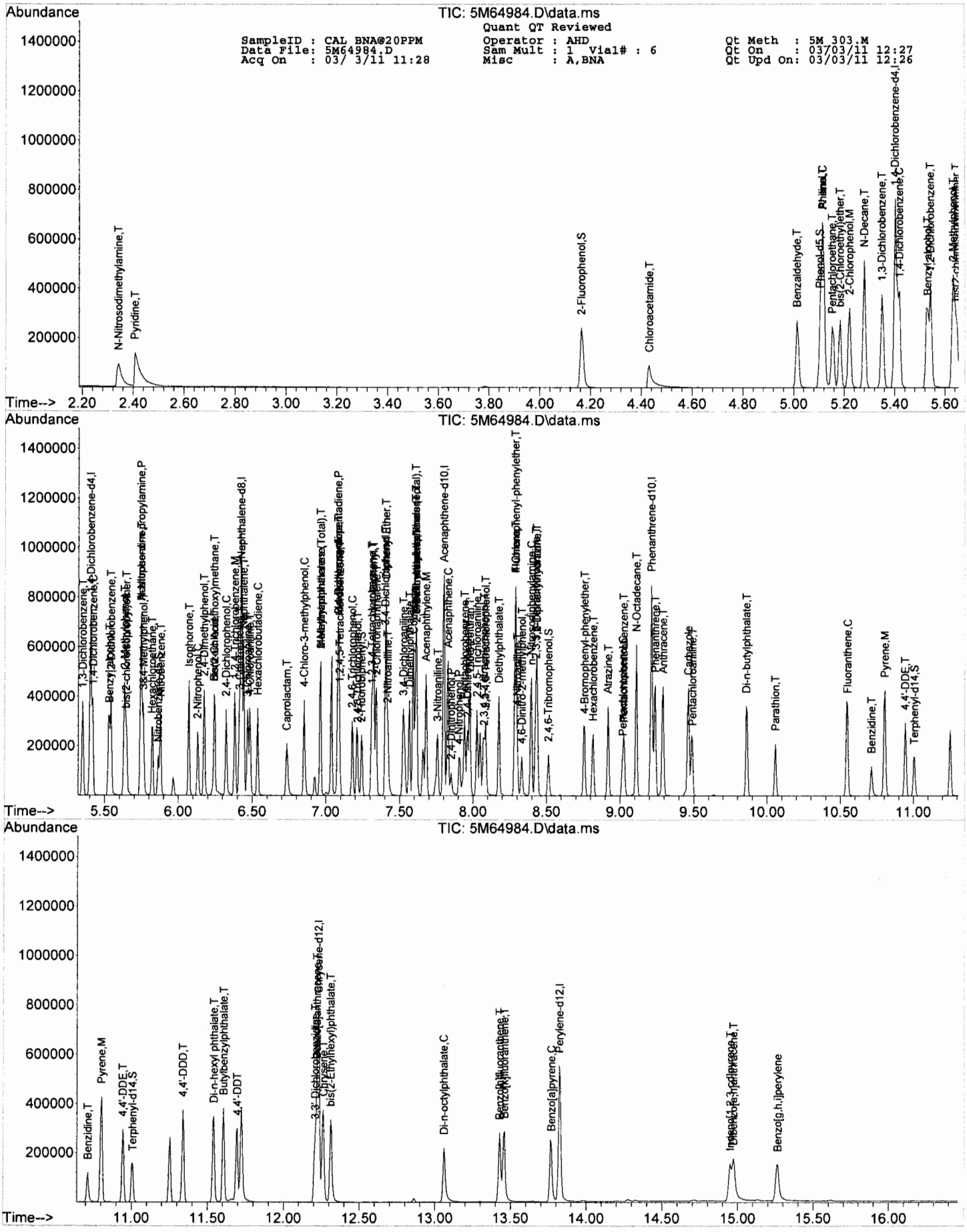
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64984.D Sam Mult : 1 Vial# : 6 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:28 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.679	152	166421	22.33	ng	100
67)	Dimethylphthalate	7.567	163	108420	21.76	ng	99
68)	2,6-Dinitrotoluene	7.615	165	24133	22.29	ng	90
69)	Acenaphthene	7.829	153	101415	21.80	ng	99
70)	3-Nitroaniline	7.759	138	27091	22.79	ng	87
71)	2,4-Dinitrophenol	7.850	184	8097	14.30	ng	66
72)	Pentachlorobenzene	7.941	250	29811	21.61	ng	98
73)	Dibenzofuran	7.978	168	135029	21.39	ng	91
74)	2,4,5-Trichloroaniline	8.026	195	36399	22.32	ng	96
75)	2,4-Dinitrotoluene	7.962	165	30742	21.38	ng	92
76)	4-Nitrophenol	7.904	65	25671	20.51	ng	99
77)	2,3,4,5-Tetrachlorophenol	8.075	232	22415	23.55	ng	98
78)	2,3,4,6-Tetrachlorophenol	8.085	232	16953	19.12	ng	86
79)	Fluorene	8.288	166	109758	22.81	ng	100
80)	4-Chlorophenyl-phenyle...	8.288	204	43832	22.24	ng	97
81)	Diethylphthalate	8.176	149	109843	21.39	ng	99
82)	4-Nitroaniline	8.299	138	31074	21.99	ng	94
83)	2,3,5,6-Tetrachloroani...	8.427	231	31763	22.60	ng	99
84)	Atrazine	8.919	200	26833	22.09	ng	95
86)	4,6-Dinitro-2-methylph...	8.331	198	13099	17.28	ng	14
87)	n-Nitrosodiphenylamine	8.395	169	93514	21.62	ng	98
89)	1,2-Diphenylhydrazine	8.432	77	177336	22.64	ng	97
90)	4-Bromophenyl-phenylether	8.758	248	20587	21.03	ng	92
91)	Hexachlorobenzene	8.817	284	20086	21.10	ng	96
92)	N-Octadecane	9.111	57	103810	23.00	ng	94
93)	Pentachloronitrobenzene	9.025	237	9925	21.99	ng	92
94)	Pentachlorophenol	9.020	266	9125	17.20	ng	92
95)	Phenanthrene	9.239	178	149836	21.17	ng	99
96)	Anthracene	9.293	178	153015	21.41	ng	100
97)	Pentachloroaniline	9.490	265	21915	21.99	ng	97
98)	Carbazole	9.464	167	154592	21.75	ng	99
99)	Di-n-butylphthalate	9.859	149	175139	21.23	ng	99
100)	Parathion	10.057	291	4117	17.02	ng	95
101)	Fluoranthene	10.548	202	145995	21.34	ng	97
103)	Pyrene	10.804	202	157079	22.37	ng	99
104)	Benzidine	10.714	184	40963	22.58	ng	94
106)	4,4'-DDE	10.943	246	24819	21.58	ng	88
107)	4,4'-DDD	11.339	235	48979	21.91	ng	82
108)	Di-n-hexyl phthalate	11.542	149	169959	21.60	ng	100
109)	Butylbenzylphthalate	11.606	149	79689	22.48	ng	88
110)	4,4'-DDT	11.697	235	42100	21.32	ng	82
111)	3,3'-Dichlorobenzidine	12.209	252	31435	24.41	ng	98
112)	Benzo[a]anthracene	12.220	228	123163	22.01	ng	97
113)	Chrysene	12.263	228	123399	22.11	ng	97
114)	bis(2-Ethylhexyl)phtha...	12.311	149	91931	20.92	ng	99
116)	Di-n-octylphthalate	13.059	149	122869	16.87	ng	99
117)	Benzo[b]fluoranthene	13.428	252	96134	21.28	ng	95
118)	Benzo[k]fluoranthene	13.460	252	106799m	21.81	ng	
119)	Benzo[a]pyrene	13.769	252	96837	21.84	ng	98
120)	Indeno[1,2,3-cd]pyrene	14.950	276	84036	20.64	ng	80
121)	Dibenzo[a,h]anthracene	14.971	278	69881	20.75	ng	86
122)	Benzo[g,h,i]perylene	15.265	276	74045	20.73	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M64984.D
Acq On : 03/ 3/11 11:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 12:27
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl alcohol,T
1,2-Dichlorobenzene,T
bis(2-chloroisopropyl)ether,T
2-Methylphenol,T
Time-->

Abundance
TIC: 5M64984.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl alcohol,T
1,2-Dichlorobenzene,T
bis(2-chloroisopropyl)ether,T
2-Methylphenol,T
3&4-Methylphenol,M
N-Nitrosodipropylamine,P
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Bis(2-chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
1,2,4,5-Tetrachlorobenzene(Total),T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
Acenaphthene-d10,I
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,T
2,4-Dinitrotoluene,T
2,6-Dinitrotoluene,T
4-Chlorophenyl-phenylether,T
Diethylphthalate,T
4-Chloroaniline,T
4,6-Dinitro-2-methylphenol,T
N-Nitrosodiphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole,T
Pentachloroaniline,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64984.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64985.D Sam Mult : 1 Vial# : 7 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:52 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	72857	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	274280	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	139870	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	228939	40.00	ng	0.00
102) Chrysene-d12	12.236	240	177210	40.00	ng	0.00
115) Perylene-d12	13.828	264	146344	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	196567	80.81	ng	0.00
Spiked Amount 100.000			Recovery = 80.81%			
16) Phenol-d5	5.110	99	267140	79.35	ng	0.00
Spiked Amount 100.000			Recovery = 79.35%			
32) Nitrobenzene-d5	5.863	128	48503	40.94	ng	0.00
Spiked Amount 50.000			Recovery = 81.88%			
56) 2-Fluorobiphenyl	7.246	172	181264	40.70	ng	0.00
Spiked Amount 50.000			Recovery = 81.40%			
88) 2,4,6-Tribromophenol	8.518	330	26414	86.87	ng	0.00
Spiked Amount 100.000			Recovery = 86.87%			
105) Terphenyl-d14	11.007	244	140706	41.39	ng	0.00
Spiked Amount 50.000			Recovery = 82.78%			
Target Compounds						Qvalue
8) Pyridine	2.390	79	271804	80.96	ng	85
9) N-Nitrosodimethylamine	2.337	74	159397	79.67	ng	87
11) Chloroacetamide	4.442	93	52885	89.44	ng	44
12) Benzaldehyde	5.013	77	109509	62.96	ng	89
13) Aniline	5.115	93	309681	89.16	ng	78
14) Pentachloroethane	5.158	117	68034	77.65	ng	91
15) bis(2-Chloroethyl)ether	5.184	93	213040	75.58	ng	95
17) Phenol	5.120	94	300784	80.02	ng	70
18) 2-Chlorophenol	5.222	128	202380	79.88	ng	95
19) N-Decane	5.281	57	272794	79.48	ng	95
20) 3-Chlorophenol	6.413	128	198991	79.21	ng	88
21) 1,3-Dichlorobenzene	5.355	146	217400	79.83	ng	97
22) 1,4-Dichlorobenzene	5.419	146	218498	79.01	ng	96
23) 1,2-Dichlorobenzene	5.542	146	202448	78.51	ng	98
24) Benzyl alcohol	5.532	108	143540	83.41	ng	83
25) bis(2-chloroisopropyl)...	5.649	45	380233	79.15	ng	99
26) 2-Methylphenol	5.633	108	197178	81.36	ng	97
27) Acetophenone	5.745	105	306324	79.30	ng	69
28) Hexachloroethane	5.825	117	91914	80.71	ng	97
29) N-Nitroso-di-n-propyla...	5.751	70	158581	79.66	ng	84
30) 3&4-Methylphenol	5.761	108	210214	82.61	ng	97
33) Nitrobenzene	5.879	77	257648	81.71	ng	94
34) Isophorone	6.077	82	443143	81.58	ng	96
35) 2-Nitrophenol	6.135	139	107905	88.15	ng	87
36) 2,4-Dimethylphenol	6.178	107	213482	82.28	ng	98
37) Benzoic Acid	6.280	105	151544	87.87	ng	96
38) bis(2-Chloroethoxy)met...	6.247	93	262060	81.73	ng	99
39) 2,4-Dichlorophenol	6.328	162	150646	82.77	ng	90
40) 1,2,4-Trichlorobenzene	6.386	180	166411	81.68	ng	97
41) Naphthalene	6.445	128	561216	75.00	ng	99
42) 3-Chloroaniline	6.472	127	234769	82.92	ng	98
43) 4-Chloroaniline	6.488	127	215940	97.34	ng	87
44) Hexachlorobutadiene	6.536	225	70052	78.35	ng	96
45) Caprolactam	6.760	113	66293	84.46	ng	68
46) 4-Chloro-3-methylphenol	6.856	107	185600	84.36	ng	90
47) 2-Methylnaphthalene	6.963	142	347144	78.91	ng	99
48) Methylnaphthalenes (To...	6.963	142	346952	78.85	ng	99
49) 2,4-Dichloroaniline	7.086	161	162388	80.56	ng	95
50) 1,1'-Biphenyl	7.327	154	462909	79.52	ng	98
52) 1,2,4,5-Tetrachloroben...	7.092	216	138139	81.48	ng	99
53) Hexachlorocyclopentadiene	7.086	237	59358	90.30	ng	98
54) 2,4,6-Trichlorophenol	7.182	196	94367	88.07	ng	98
55) 2,4,5-Trichlorophenol	7.214	196	100345	87.57	ng	96
57) 1,2,3,4-Tetrachloroben...	7.316	214	104813	82.41	ng	54
58) 2-Chloronaphthalene	7.343	162	314742	81.45	ng	98
59) 3,4-Dichlorophenol	7.407	162	142169	83.42	ng	92
60) 3,4-Dichloroaniline	7.524	161	135714	88.37	ng	96
61) 1,4-Dimethylnaphthalene	7.615	156	240937	83.10	ng	96
62) Dimethylnaphthalenes (...	7.615	156	240937	83.10	ng	96
63) Diphenyl Ether	7.407	170	226496	79.51	ng	95
64) 2-Nitroaniline	7.423	65	169404	85.95	ng	82
65) Coumarin	7.599	146	146812	84.92	ng	73

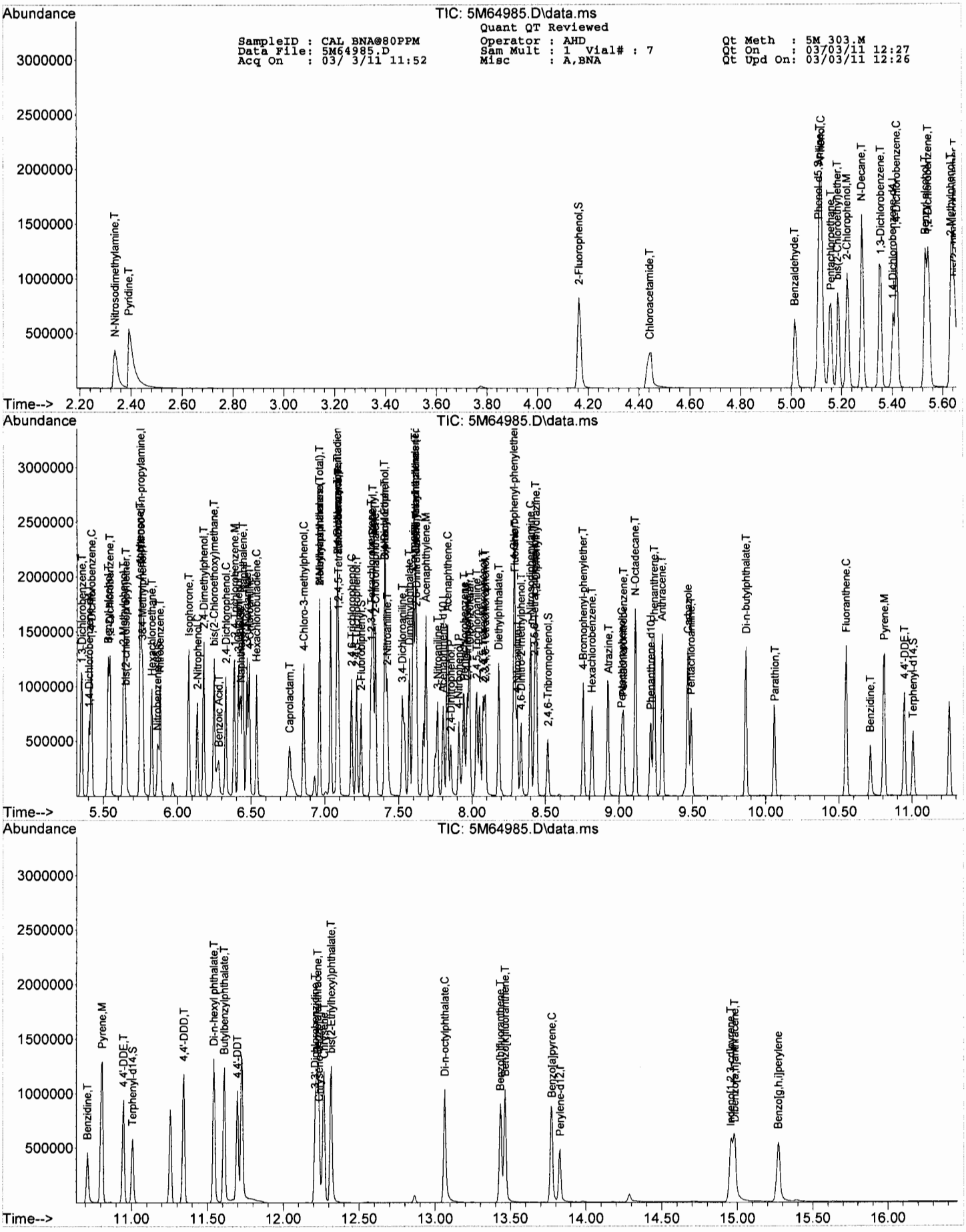
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64985.D Sam Mult : 1 Vial# : 7 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 11:52 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.685	152	541325	83.20 ng	99
67) Dimethylphthalate	7.572	163	355307	81.66 ng	100
68) 2,6-Dinitrotoluene	7.620	165	79385	84.00 ng	86
69) Acenaphthene	7.834	153	328016	80.78 ng	98
70) 3-Nitroaniline	7.765	138	94409	90.95 ng	88
71) 2,4-Dinitrophenol	7.855	184	43293	87.55 ng	56
72) Pentachlorobenzene	7.946	250	99884	82.93 ng	98
73) Dibenzofuran	7.984	168	432492	78.46 ng	91
74) 2,4,5-Trichloroaniline	8.032	195	122163	85.79 ng	98
75) 2,4-Dinitrotoluene	7.968	165	108901	86.76 ng	91
76) 4-Nitrophenol	7.909	65	94923	86.89 ng	95
77) 2,3,4,5-Tetrachlorophenol	8.075	232	65224	78.49 ng	98
78) 2,3,4,6-Tetrachlorophenol	8.091	232	74170	95.83 ng	69
79) Fluorene	8.294	166	348541	82.98 ng	100
80) 4-Chlorophenyl-phenyle...	8.288	204	139667	81.19 ng	100
81) Diethylphthalate	8.181	149	378321	84.38 ng	99
82) 4-Nitroaniline	8.310	138	108247	87.74 ng	92
83) 2,3,5,6-Tetrachloroani...	8.427	231	99949	81.46 ng	95
84) Atrazine	8.929	200	93642	88.30 ng	100
86) 4,6-Dinitro-2-methylph...	8.336	198	56354	86.79 ng	26
87) n-Nitrosodiphenylamine	8.400	169	307113	82.88 ng	98
89) 1,2-Diphenylhydrazine	8.438	77	510504	76.09 ng	98
90) 4-Bromophenyl-phenylether	8.758	248	70649	84.25 ng	89
91) Hexachlorobenzene	8.817	284	66671	81.77 ng	94
92) N-Octadecane	9.111	57	334239	86.43 ng	94
93) Pentachloronitrobenzene	9.031	237	34205	88.46 ng	85
94) Pentachlorophenol	9.020	266	41083	90.37 ng	99
95) Phenanthrene	9.239	178	489647	80.75 ng	99
96) Anthracene	9.293	178	524407	85.66 ng	100
97) Pentachloroaniline	9.490	265	71158	83.34 ng	99
98) Carbazole	9.469	167	500867	82.25 ng	99
99) Di-n-butylphthalate	9.864	149	624985	88.45 ng	98
100) Parathion	10.062	291	18425	88.93 ng	96
101) Fluoranthene	10.548	202	500345	85.39 ng	92
103) Pyrene	10.810	202	516721	83.90 ng	100
104) Benzidine	10.714	184	153685	96.61 ng	98
106) 4,4'-DDE	10.949	246	82749	82.05 ng	89
107) 4,4'-DDD	11.344	235	169471	86.44 ng	81
108) Di-n-hexyl phthalate	11.542	149	635859	92.15 ng	100
109) Butylbenzylphthalate	11.611	149	274209	88.22 ng	88
110) 4,4'-DDT	11.697	235	148066	85.51 ng	83
111) 3,3'-Dichlorobenzidine	12.209	252	114085	101.00 ng	97
112) Benzo[a]anthracene	12.225	228	394434	80.40 ng	99
113) Chrysene	12.268	228	395912	80.89 ng	99
114) bis(2-Ethylhexyl)phtha...	12.316	149	353482	91.72 ng	99
116) Di-n-octylphthalate	13.064	149	554751	88.52 ng	99
117) Benzo[b]fluoranthene	13.433	252	331399	85.24 ng	95
118) Benzo[k]fluoranthene	13.465	252	318485	75.57 ng	98
119) Benzo[a]pyrene	13.775	252	332393	87.11 ng	98
120) Indeno[1,2,3-cd]pyrene	14.955	276	306714	87.56 ng	75
121) Dibenzo[a,h]anthracene	14.982	278	255326	88.09 ng	92
122) Benzo[g,h,i]perylene	15.271	276	258056	83.96 ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 5M64985.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M64985.D
Acq On : 03/ 3/11 11:52
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 12:27
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64986.D Sam Mult : 1 Vial# : 8 Qt On : 03/03/11 15:19
Acq On : 03/ 3/11 12:16 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	78894	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	298282	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	159006	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	258449	40.00	ng	0.00
102) Chrysene-d12	12.236	240	195177	40.00	ng	0.00
115) Perylene-d12	13.828	264	164212	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	317915	120.70	ng	0.00
Spiked Amount 100.000			Recovery = 120.70%			
16) Phenol-d5	5.110	99	419334	115.02	ng	0.00
Spiked Amount 100.000			Recovery = 115.02%			
32) Nitrobenzene-d5	5.868	128	79536	61.73	ng	0.00
Spiked Amount 50.000			Recovery = 123.46%			
56) 2-Fluorobiphenyl	7.246	172	290162	57.31	ng	0.00
Spiked Amount 50.000			Recovery = 114.62%			
88) 2,4,6-Tribromophenol	8.518	330	44808	130.54	ng	0.00
Spiked Amount 100.000			Recovery = 130.54%			
105) Terphenyl-d14	11.007	244	229658	61.34	ng	0.00
Spiked Amount 50.000			Recovery = 122.68%			
Target Compounds						Qvalue
8) Pyridine	2.385	79	435750	119.86	ng	87
9) N-Nitrosodimethylamine	2.337	74	256843	118.55	ng	87
11) Chloroacetamide	4.458	93	89914	140.43	ng	35
12) Benzaldehyde	5.013	77	123044	65.33	ng	90
13) Aniline	5.120	93	469523	124.83	ng	80
14) Pentachloroethane	5.158	117	110113	116.06	ng	94
15) bis(2-Chloroethyl)ether	5.190	93	349764	114.59	ng	90
17) Phenol	5.126	94	465258	114.30	ng	84
18) 2-Chlorophenol	5.227	128	322646	117.61	ng	90
19) N-Decane	5.280	57	408333	109.87	ng	94
20) 3-Chlorophenol	6.413	128	322635	118.60	ng	89
21) 1,3-Dichlorobenzene	5.355	146	339366	115.09	ng	98
22) 1,4-Dichlorobenzene	5.419	146	336768	112.46	ng	97
23) 1,2-Dichlorobenzene	5.548	146	316067	113.19	ng	98
24) Benzyl alcohol	5.537	108	223741	120.06	ng	80
25) bis(2-chloroisopropyl)...	5.649	45	572064	109.97	ng	99
26) 2-Methylphenol	5.638	108	307606	117.21	ng	96
27) Acetophenone	5.751	105	470281	112.42	ng	68
28) Hexachloroethane	5.825	117	144622	117.27	ng	98
29) N-Nitroso-di-n-propyla...	5.756	70	240795	111.70	ng	81
30) 3&4-Methylphenol	5.767	108	326532	118.51	ng	98
33) Nitrobenzene	5.884	77	412190	120.20	ng	90
34) Isophorone	6.082	82	713427	120.76	ng	96
35) 2-Nitrophenol	6.135	139	171226	128.62	ng	87
36) 2,4-Dimethylphenol	6.178	107	341063	120.87	ng	94
37) Benzoic Acid	6.295	105	287446	153.26	ng	94
38) bis(2-Chloroethoxy)met...	6.247	93	415546	119.16	ng	99
39) 2,4-Dichlorophenol	6.328	162	241550	122.04	ng	95
40) 1,2,4-Trichlorobenzene	6.386	180	259887	117.30	ng	99
41) Naphthalene	6.445	128	885777	108.84	ng	100
42) 3-Chloroaniline	6.472	127	437994	142.25	ng	95
43) 4-Chloroaniline	6.488	127	281190	116.56	ng	85
44) Hexachlorobutadiene	6.541	225	110275	113.41	ng	97
45) Caprolactam	6.782	113	110117	129.00	ng	64
46) 4-Chloro-3-methylphenol	6.856	107	294318	123.01	ng	97
47) 2-Methylnaphthalene	6.963	142	554359	115.87	ng	100
48) Methylnaphthalenes (To...	6.963	142	554908	115.97	ng	100
49) 2,4-Dichloroaniline	7.086	161	233437	106.49	ng	94
50) 1,1'-Biphenyl	7.327	154	713538	112.71	ng	97
52) 1,2,4,5-Tetrachloroben...	7.097	216	210649	109.30	ng	97
53) Hexachlorocyclopentadiene	7.086	237	97541	130.53	ng	93
54) 2,4,6-Trichlorophenol	7.182	196	152874	125.51	ng	99
55) 2,4,5-Trichlorophenol	7.220	196	159939	122.78	ng	99
57) 1,2,3,4-Tetrachloroben...	7.316	214	162472	112.37	ng	55
58) 2-Chloronaphthalene	7.348	162	491486	111.88	ng	95
59) 3,4-Dichlorophenol	7.412	162	222554	114.87	ng	90
60) 3,4-Dichloroaniline	7.524	161	180514	103.40	ng	96
61) 1,4-Dimethylnaphthalene	7.615	156	358525	108.78	ng	98
62) Dimethylnaphthalenes (...	7.615	156	358525	108.78	ng	98
63) Diphenyl Ether	7.407	170	346406	106.96	ng	96
64) 2-Nitroaniline	7.428	65	271286	121.08	ng	75
65) Coumarin	7.604	146	218842	111.35	ng	65

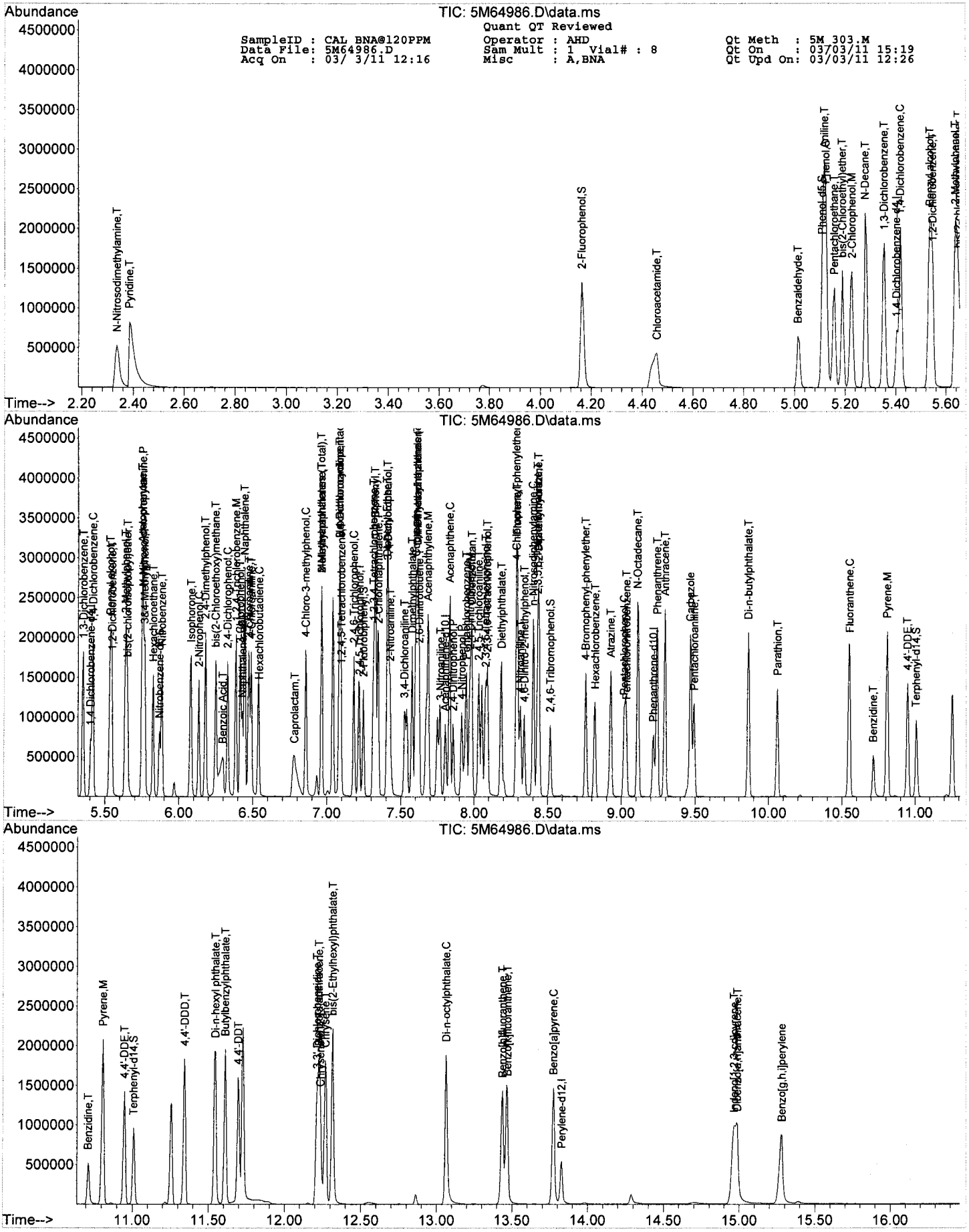
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64986.D Sam Mult : 1 Vial# : 8 Qt On : 03/03/11 15:19
Acq On : 03/ 3/11 12:16 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.684	152	859128	116.15 ng	99
67) Dimethylphthalate	7.578	163	560510	113.32 ng	100
68) 2,6-Dinitrotoluene	7.626	165	127063	118.26 ng	79
69) Acenaphthene	7.834	153	515878	111.75 ng	97
70) 3-Nitroaniline	7.770	138	141669	120.06 ng	85
71) 2,4-Dinitrophenol	7.855	184	79303	141.07 ng	65
72) Pentachlorobenzene	7.946	250	152127	111.11 ng	99
73) Dibenzofuran	7.984	168	696899	111.21 ng	93
74) 2,4,5-Trichloroaniline	8.032	195	189919	117.32 ng	98
75) 2,4-Dinitrotoluene	7.973	165	176032	123.37 ng	92
76) 4-Nitrophenol	7.914	65	161783	130.26 ng	94
77) 2,3,4,5-Tetrachlorophenol	8.080	232	132503m	140.26 ng	
78) 2,3,4,6-Tetrachlorophenol	8.090	232	97927m	111.30 ng	
79) Fluorene	8.293	166	523081	109.54 ng	98
80) 4-Chlorophenyl-phenyle...	8.288	204	215624	110.25 ng	97
81) Diethylphthalate	8.187	149	604549	118.61 ng	100
82) 4-Nitroaniline	8.315	138	171749	122.46 ng	95
83) 2,3,5,6-Tetrachloroani...	8.432	231	159378	114.26 ng	96
84) Atrazine	8.929	200	151560	125.71 ng	97
86) 4,6-Dinitro-2-methylph...	8.342	198	93655	127.77 ng	29
87) n-Nitrosodiphenylamine	8.400	169	491244	117.43 ng	99
89) 1,2-Diphenylhydrazine	8.438	77	881769	116.42 ng	98
90) 4-Bromophenyl-phenylether	8.758	248	111255	117.53 ng	85
91) Hexachlorobenzene	8.822	284	107274	116.54 ng	91
92) N-Octadecane	9.111	57	515260	118.02 ng	92
93) Pentachloronitrobenzene	9.036	237	57292	131.25 ng	91
94) Pentachlorophenol	9.020	266	70498	137.37 ng	97
95) Phenanthrene	9.244	178	793233	115.88 ng	98
96) Anthracene	9.298	178	820949	118.79 ng	99
97) Pentachloroaniline	9.495	265	117208	121.60 ng	97
98) Carbazole	9.469	167	815095	118.56 ng	99
99) Di-n-butylphthalate	9.864	149	1025900	128.61 ng	99
100) Parathion	10.062	291	33102	141.53 ng	94
101) Fluoranthene	10.553	202	787861	119.10 ng	96
103) Pyrene	10.810	202	825243	121.66 ng	99
104) Benzidine	10.714	184	181719	103.71 ng	98
106) 4,4'-DDE	10.949	246	137558	123.84 ng	89
107) 4,4'-DDD	11.344	235	275541	127.61 ng	83
108) Di-n-hexyl phthalate	11.547	149	1086894	143.02 ng	100
109) Butylbenzylphthalate	11.611	149	452764	132.26 ng	87
110) 4,4'-DDT	11.697	235	232043	121.68 ng	82
111) 3,3'-Dichlorobenzidine	12.215	252	170877	137.35 ng	98
112) Benzo[a]anthracene	12.225	228	657209	121.62 ng	99
113) Chrysene	12.268	228	613178	113.75 ng	99
114) bis(2-Ethylhexyl)phtha...	12.316	149	621715	146.47 ng	99
116) Di-n-octylphthalate	13.064	149	996351	141.68 ng	99
117) Benzo[b]fluoranthene	13.438	252	541015	124.01 ng	98
118) Benzo[k]fluoranthene	13.470	252	539610	114.11 ng	100
119) Benzo[a]pyrene	13.775	252	561245	131.07 ng	97
120) Indeno[1,2,3-cd]pyrene	14.966	276	527678	134.25 ng	78
121) Dibenzo[a,h]anthracene	14.987	278	439567	135.15 ng	94
122) Benzo[g,h,i]perylene	15.281	276	442221	128.23 ng	91

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


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M64986.D
Acq On : 03/ 3/11 12:16
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 15:19
Qt Upd On: 03/03/11 12:26
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64987.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 12:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	69474	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	263823	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	141173	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	224135	40.00	ng	0.00
102) Chrysene-d12	12.241	240	169891	40.00	ng	0.00
115) Perylene-d12	13.828	264	149386	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	369052	159.12	ng	0.00
Spiked Amount 100.000			Recovery = 159.12%			
16) Phenol-d5	5.115	99	476465	148.41	ng	0.00
Spiked Amount 100.000			Recovery = 148.41%			
32) Nitrobenzene-d5	5.868	128	95035	83.39	ng	0.00
Spiked Amount 50.000			Recovery = 166.78%			
56) 2-Fluorobiphenyl	7.246	172	341858	76.04	ng	0.00
Spiked Amount 50.000			Recovery = 152.08%			
88) 2,4,6-Tribromophenol	8.523	330	52419	176.10	ng	0.00
Spiked Amount 100.000			Recovery = 176.10%			
105) Terphenyl-d14	11.013	244	268548	82.41	ng	0.00
Spiked Amount 50.000			Recovery = 164.82%			
Target Compounds						Qvalue
8) Pyridine	2.390	79	519081	162.15	ng	86
9) N-Nitrosodimethylamine	2.342	74	303843	159.25	ng	86
11) Chloroacetamide	4.463	93	105672	187.42	ng	38
12) Benzaldehyde	5.013	77	122061	73.59	ng	90
13) Aniline	5.120	93	524986	158.50	ng	80
14) Pentachloroethane	5.158	117	127594	152.72	ng	93
15) bis(2-Chloroethyl)ether	5.190	93	405594	150.90	ng	91
17) Phenol	5.126	94	526178	146.80	ng	75
18) 2-Chlorophenol	5.227	128	380937	157.69	ng	90
19) N-Decane	5.286	57	469082	143.33	ng	91
20) 3-Chlorophenol	6.413	128	371449	155.05	ng	90
21) 1,3-Dichlorobenzene	5.355	146	392260	151.06	ng	98
22) 1,4-Dichlorobenzene	5.419	146	393289	149.14	ng	97
23) 1,2-Dichlorobenzene	5.548	146	357694	145.47	ng	97
24) Benzyl alcohol	5.537	108	254897	155.33	ng	85
25) bis(2-chloroisopropyl)...	5.649	45	651215	142.16	ng	100
26) 2-Methylphenol	5.638	108	358655	155.19	ng	97
27) Acetophenone	5.751	105	539867	146.56	ng	70
28) Hexachloroethane	5.825	117	169713	156.28	ng	99
29) N-Nitroso-di-n-propyla...	5.756	70	275981	145.38	ng	82
30) 3&4-Methylphenol	5.767	108	380908	156.98	ng	94
33) Nitrobenzene	5.884	77	467501	154.14	ng	93
34) Isophorone	6.082	82	836453	160.08	ng	97
35) 2-Nitrophenol	6.135	139	200176	170.01	ng	86
36) 2,4-Dimethylphenol	6.183	107	392200	157.14	ng	98
37) Benzoic Acid	6.306	105	336742	202.99	ng	94
38) bis(2-Chloroethoxy)met...	6.253	93	466034	151.10	ng	97
39) 2,4-Dichlorophenol	6.333	162	271104	154.87	ng	90
40) 1,2,4-Trichlorobenzene	6.386	180	291307	148.65	ng	99
41) Naphthalene	6.445	128	1002973	139.34	ng	99
42) 3-Chloroaniline	6.472	127	470707	172.84	ng	93
43) 4-Chloroaniline	6.488	127	332501	155.83	ng	84
44) Hexachlorobutadiene	6.541	225	127509	148.26	ng	97
45) Caprolactam	6.792	113	124664	165.12	ng	67
46) 4-Chloro-3-methylphenol	6.862	107	337979	159.71	ng	92
47) 2-Methylnaphthalene	6.963	142	628006	148.41	ng	99
48) Methylnaphthalenes (To...	6.963	142	628561	148.52	ng	99
49) 2,4-Dichloroaniline	7.086	161	258886	133.52	ng	95
50) 1,1'-Biphenyl	7.327	154	795006	141.98	ng	98
52) 1,2,4,5-Tetrachloroben...	7.097	216	239374	139.89	ng	98
53) Hexachlorocyclopentadiene	7.086	237	112435	169.47	ng	94
54) 2,4,6-Trichlorophenol	7.182	196	174301	161.18	ng	100
55) 2,4,5-Trichlorophenol	7.220	196	186402	161.17	ng	99
57) 1,2,3,4-Tetrachloroben...	7.316	214	184044	143.36	ng	54
58) 2-Chloronaphthalene	7.348	162	569597	146.03	ng	98
59) 3,4-Dichlorophenol	7.417	162	250517	145.63	ng	90
60) 3,4-Dichloroaniline	7.530	161	164538	106.15	ng	98
61) 1,4-Dimethylnaphthalene	7.615	156	396643	135.55	ng	100
62) Dimethylnaphthalenes (...	7.615	156	396643	135.55	ng	100
63) Diphenyl Ether	7.412	170	396946	138.05	ng	92
64) 2-Nitroaniline	7.428	65	307136	154.40	ng	79
65) Coumarin	7.610	146	245422	140.65	ng	61

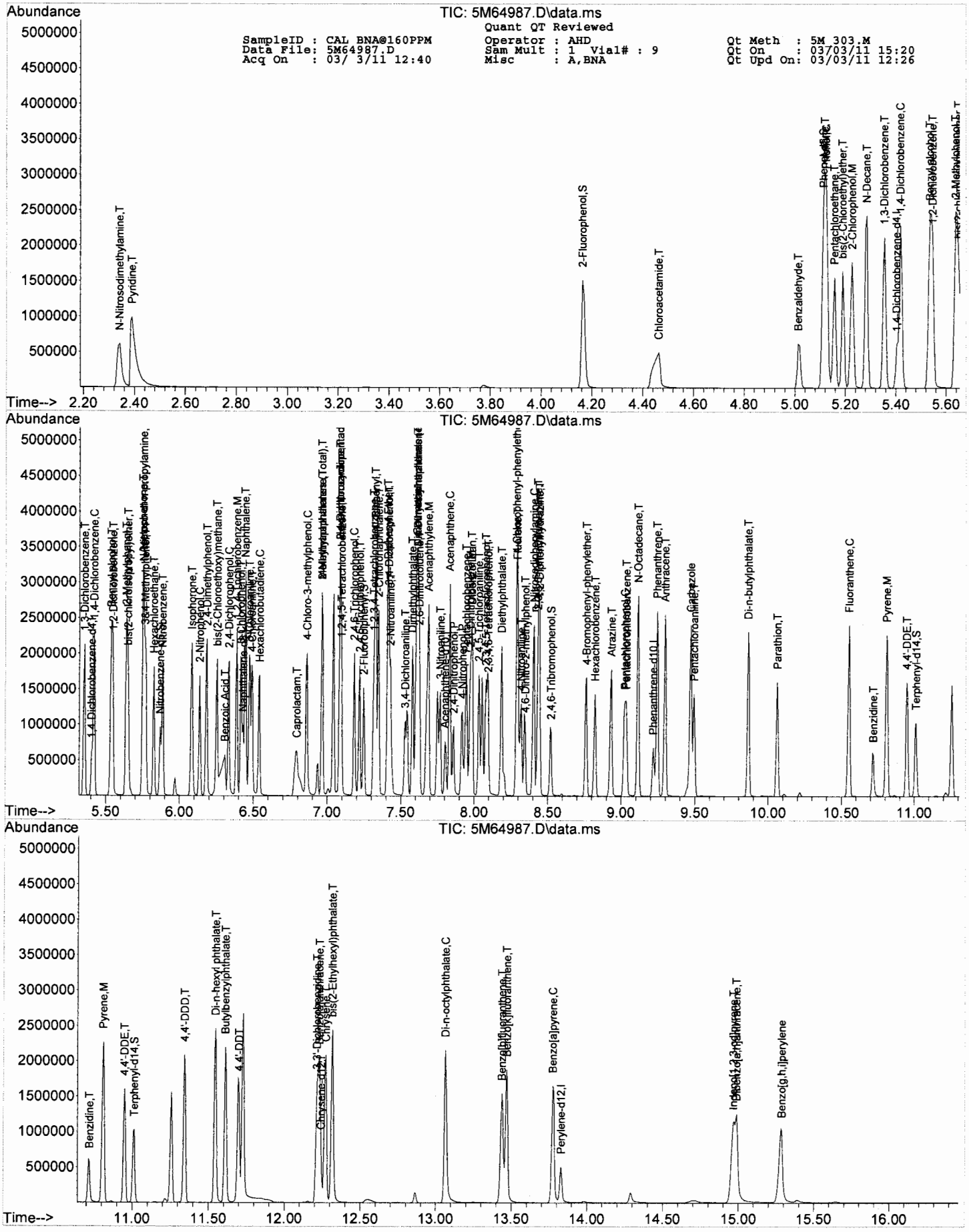
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64987.D Sam Mult : 1 Vial# : 9 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 12:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.690	152	965405	147.00	ng	99
67)	Dimethylphthalate	7.578	163	655960	149.37	ng	100
68)	2,6-Dinitrotoluene	7.626	165	146299	153.37	ng	85
69)	Acenaphthene	7.834	153	587093	143.24	ng	96
70)	3-Nitroaniline	7.770	138	167637	160.01	ng	87
71)	2,4-Dinitrophenol	7.861	184	91666	183.65	ng	55
72)	Pentachlorobenzene	7.946	250	175897	144.70	ng	100
73)	Dibenzofuran	7.984	168	778404	139.90	ng	95
74)	2,4,5-Trichloroaniline	8.032	195	212741	148.02	ng	99
75)	2,4-Dinitrotoluene	7.973	165	200793	158.50	ng	96
76)	4-Nitrophenol	7.920	65	188943	171.35	ng	89
77)	2,3,4,5-Tetrachlorophenol	8.080	232	123645	147.42	ng	98
78)	2,3,4,6-Tetrachlorophenol	8.096	232	120264	153.96	ng	57
79)	Fluorene	8.293	166	588694	138.86	ng	99
80)	4-Chlorophenyl-phenyle...	8.288	204	241753	139.23	ng	95
81)	Diethylphthalate	8.187	149	694871	153.55	ng	99
82)	4-Nitroaniline	8.320	138	201177	161.56	ng	94
83)	2,3,5,6-Tetrachloroani...	8.432	231	175532	141.73	ng	96
84)	Atrazine	8.935	200	173735	162.31	ng	98
86)	4,6-Dinitro-2-methylph...	8.347	198	109693	172.57	ng	40
87)	n-Nitrosodiphenylamine	8.406	169	551099	151.91	ng	98
89)	1,2-Diphenylhydrazine	8.443	77	985435	150.03	ng	97
90)	4-Bromophenyl-phenylether	8.764	248	130958	159.53	ng	94
91)	Hexachlorobenzene	8.822	284	122703	153.71	ng	97
92)	N-Octadecane	9.116	57	574025	151.61	ng	91
93)	Pentachloronitrobenzene	9.036	237	63890	168.77	ng	88
94)	Pentachlorophenol	9.025	266	80405	180.66	ng	97
95)	Phenanthrene	9.244	178	887411	149.48	ng	99
96)	Anthracene	9.298	178	925051	154.35	ng	99
97)	Pentachloroaniline	9.495	265	135235	161.78	ng	100
98)	Carbazole	9.474	167	929384	155.89	ng	99
99)	Di-n-butylphthalate	9.864	149	1154558	166.90	ng	99
100)	Parathion	10.062	291	38282	188.74	ng	96
101)	Fluoranthene	10.553	202	905046	157.77	ng	96
103)	Pyrene	10.810	202	915260	155.02	ng	98
104)	Benzidine	10.719	184	214170	140.43	ng	94
106)	4,4'-DDE	10.949	246	155680	161.02	ng	90
107)	4,4'-DDD	11.344	235	305311	162.44	ng	81
108)	Di-n-hexyl phthalate	11.547	149	1246045	188.36	ng	100
109)	Butylbenzylphthalate	11.611	149	528721	177.44	ng	90
110)	4,4'-DDT	11.702	235	270559	162.99	ng	83
111)	3,3'-Dichlorobenzidine	12.215	252	186659	172.37	ng	97
112)	Benzo[a]anthracene	12.231	228	751400	159.75	ng	99
113)	Chrysene	12.273	228	734009	156.43	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.316	149	713266	193.05	ng	99
116)	Di-n-octylphthalate	13.064	149	1167889	182.55	ng	99
117)	Benzo[b]fluoranthene	13.438	252	649270m	163.59	ng	
118)	Benzo[k]fluoranthene	13.470	252	660937	153.64	ng	98
119)	Benzo[a]pyrene	13.775	252	647614	166.26	ng	97
120)	Indeno[1,2,3-cd]pyrene	14.966	276	620549	173.55	ng	78
121)	Dibenzo[a,h]anthracene	14.987	278	509080	172.05	ng	89
122)	Benzo[g,h,i]perylene	15.286	276	522356	166.49	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M64987.D
Acq On : 03/ 3/11 12:40
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03703/11 15:20
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64987.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
Fluorene,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Pentachlorophenol,C
Carbazole
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64987.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64988.D Sam Mult : 1 Vial# : 10 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:04 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	72911	40.00	ng	0.00
31) Naphthalene-d8	6.429	136	282878	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	147603	40.00	ng	0.00
85) Phenanthrene-d10	9.218	188	239246	40.00	ng	0.00
102) Chrysene-d12	12.241	240	176327	40.00	ng	0.00
115) Perylene-d12	13.828	264	152717	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	458688	188.44	ng	0.00
Spiked Amount 100.000			Recovery = 188.44%			
16) Phenol-d5	5.115	99	574182	170.42	ng	0.00
Spiked Amount 100.000			Recovery = 170.42%			
32) Nitrobenzene-d5	5.868	128	116670	95.48	ng	0.00
Spiked Amount 50.000			Recovery = 190.96%			
56) 2-Fluorobiphenyl	7.247	172	428309	91.12	ng	0.00
Spiked Amount 50.000			Recovery = 182.24%			
88) 2,4,6-Tribromophenol	8.523	330	67506	212.46	ng	0.00
Spiked Amount 100.000			Recovery = 212.46%			
105) Terphenyl-d14	11.013	244	336041	99.35	ng	0.00
Spiked Amount 50.000			Recovery = 198.70%			
Target Compounds						Qvalue
8) Pyridine	2.385	79	684955	203.87	ng	85
9) N-Nitrosodimethylamine	2.342	74	387128	193.34	ng	84
11) Chloroacetamide	4.474	93	132728	224.32	ng	39
12) Benzaldehyde	5.013	77	127878	73.46	ng	88
13) Aniline	5.120	93	611460	175.90	ng	83
14) Pentachloroethane	5.158	117	157396	179.51	ng	93
15) bis(2-Chloroethyl)ether	5.190	93	497444	176.35	ng	92
17) Phenol	5.131	94	644473	171.33	ng	97
18) 2-Chlorophenol	5.227	128	470368	185.53	ng	92
19) N-Decane	5.286	57	548879	159.81	ng	91
20) 3-Chlorophenol	6.418	128	465020	184.96	ng	89
21) 1,3-Dichlorobenzene	5.355	146	476906	175.00	ng	98
22) 1,4-Dichlorobenzene	5.419	146	479549	173.28	ng	96
23) 1,2-Dichlorobenzene	5.548	146	425974	165.07	ng	98
24) Benzyl alcohol	5.537	108	309408	179.66	ng	86
25) bis(2-chloroisopropyl)...	5.649	45	750594	156.13	ng	97
26) 2-Methylphenol	5.638	108	436231	179.85	ng	96
27) Acetophenone	5.751	105	659525	170.60	ng	70
28) Hexachloroethane	5.825	117	210019	184.27	ng	99
29) N-Nitroso-di-n-propyla...	5.761	70	338998	170.16	ng	78
30) 3&4-Methylphenol	5.772	108	477000	187.32	ng	100
33) Nitrobenzene	5.884	77	579845	178.30	ng	94
34) Isophorone	6.082	82	1050485	187.50	ng	98
35) 2-Nitrophenol	6.135	139	251132	198.92	ng	87
36) 2,4-Dimethylphenol	6.183	107	495967	185.33	ng	94
37) Benzoic Acid	6.317	105	460913	259.13	ng	93
38) bis(2-Chloroethoxy)met...	6.253	93	581256	175.76	ng	98
39) 2,4-Dichlorophenol	6.333	162	345372	184.00	ng	93
40) 1,2,4-Trichlorobenzene	6.386	180	362677	172.60	ng	99
41) Naphthalene	6.445	128	1219368	157.99	ng	99
42) 3-Chloroaniline	6.477	127	533394	182.67	ng	99
43) 4-Chloroaniline	6.493	127	411933	180.05	ng	88
44) Hexachlorobutadiene	6.541	225	157561	170.86	ng	96
45) Caprolactam	6.798	113	178998	221.12	ng	65
46) 4-Chloro-3-methylphenol	6.862	107	416026	183.35	ng	94
47) 2-Methylnaphthalene	6.963	142	760706	167.66	ng	99
48) Methylnaphthalenes (To...	6.963	142	759028	167.26	ng	99
49) 2,4-Dichloroaniline	7.086	161	302425	145.47	ng	94
50) 1,1'-Biphenyl	7.332	154	963390	160.47	ng	95
52) 1,2,4,5-Tetrachloroben...	7.097	216	286231	159.99	ng	99
53) Hexachlorocyclopentadiene	7.086	237	139555	201.18	ng	93
54) 2,4,6-Trichlorophenol	7.182	196	207644	183.65	ng	99
55) 2,4,5-Trichlorophenol	7.220	196	232830	192.54	ng	97
57) 1,2,3,4-Tetrachloroben...	7.316	214	229433	170.94	ng	54
58) 2-Chloronaphthalene	7.348	162	692899	169.91	ng	98
59) 3,4-Dichlorophenol	7.417	162	316471	175.96	ng	89
60) 3,4-Dichloroaniline	7.530	161	177239	109.37	ng	97
61) 1,4-Dimethylnaphthalene	7.620	156	463258	151.42	ng	95
62) Dimethylnaphthalenes (...	7.620	156	463258	151.42	ng	95
63) Diphenyl Ether	7.412	170	491733	163.57	ng	93
64) 2-Nitroaniline	7.428	65	377662	181.58	ng	81
65) Coumarin	7.610	146	281660	154.38	ng	55

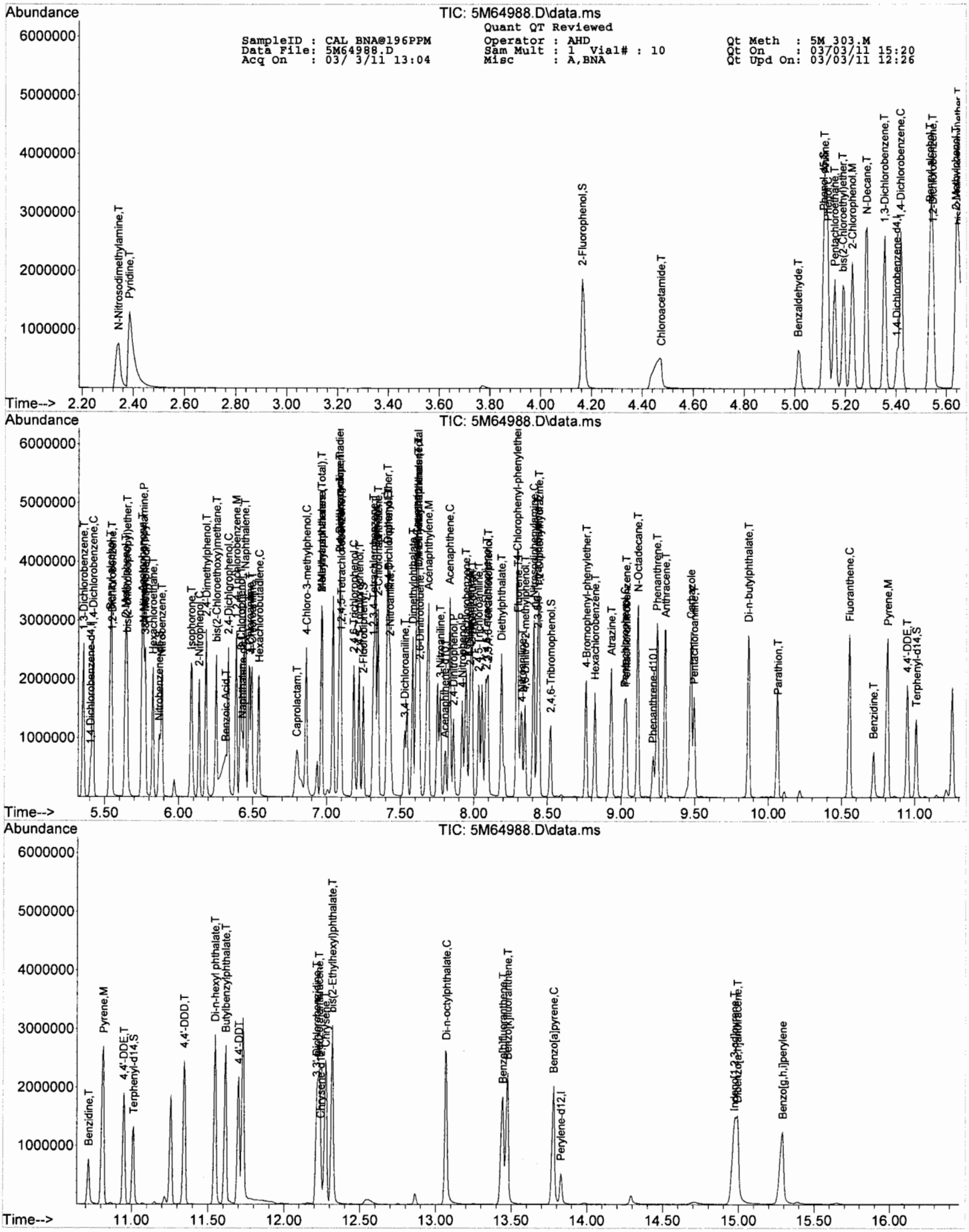
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64988.D Sam Mult : 1 Vial# : 10 Qt On : 03/03/11 15:20
Acq On : 03/ 3/11 13:04 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.690	152	1173850	170.96 ng	100
67) Dimethylphthalate	7.583	163	803241	174.94 ng	100
68) 2,6-Dinitrotoluene	7.631	165	181752	182.23 ng	77
69) Acenaphthene	7.834	153	719665	167.94 ng	96
70) 3-Nitroaniline	7.770	138	206800	188.79 ng	92
71) 2,4-Dinitrophenol	7.861	184	116888	223.99 ng	64
72) Pentachlorobenzene	7.946	250	218592	171.99 ng	99
73) Dibenzofuran	7.989	168	929527	159.79 ng	92
74) 2,4,5-Trichloroaniline	8.032	195	246957	164.34 ng	98
75) 2,4-Dinitrotoluene	7.973	165	245410	185.28 ng	97
76) 4-Nitrophenol	7.920	65	237903	206.35 ng	89
77) 2,3,4,5-Tetrachlorophenol	8.085	232	209495	238.89 ng	97
78) 2,3,4,6-Tetrachlorophenol	8.096	232	111137	136.08 ng	32
79) Fluorene	8.299	166	694705	156.72 ng	97
80) 4-Chlorophenyl-phenyle...	8.294	204	284130	156.51 ng	99
81) Diethylphthalate	8.187	149	848552	179.35 ng	98
82) 4-Nitroaniline	8.326	138	255128	195.96 ng	90
83) 2,3,5,6-Tetrachloroani...	8.432	231	215363	166.32 ng	96
84) Atrazine	8.935	200	218881	195.58 ng	99
86) 4,6-Dinitro-2-methylph...	8.347	198	144890	213.54 ng	29
87) n-Nitrosodiphenylamine	8.406	169	672905	173.77 ng	98
89) 1,2-Diphenylhydrazine	8.443	77	1172616	167.25 ng	98
90) 4-Bromophenyl-phenylether	8.764	248	156142	178.19 ng	91
91) Hexachlorobenzene	8.822	284	148763	174.59 ng	97
92) N-Octadecane	9.116	57	693551	171.61 ng	87
93) Pentachloronitrobenzene	9.036	237	80364	198.88 ng	84
94) Pentachlorophenol	9.025	266	102572	215.91 ng	97
95) Phenanthrene	9.245	178	1097395	173.17 ng	99
96) Anthracene	9.303	178	1111532	173.75 ng	99
97) Pentachloroaniline	9.496	265	163360	183.08 ng	99
98) Carbazole	9.474	167	1135906	178.49 ng	99
99) Di-n-butylphthalate	9.864	149	1438694	194.84 ng	100
100) Parathion	10.067	291	47965	221.55 ng	94
101) Fluoranthene	10.553	202	1120721	183.02 ng	97
103) Pyrene	10.815	202	1169991	190.93 ng	98
104) Benzidine	10.719	184	267404	168.93 ng	96
106) 4,4'-DDE	10.949	246	190197	189.54 ng	90
107) 4,4'-DDD	11.344	235	384017	196.86 ng	80
108) Di-n-hexyl phthalate	11.547	149	1531745	223.10 ng	100
109) Butylbenzylphthalate	11.616	149	639963	206.93 ng	87
110) 4,4'-DDT	11.702	235	331236	192.26 ng	82
111) 3,3'-Dichlorobenzidine	12.215	252	223697	199.03 ng	98
112) Benzo[a]anthracene	12.231	228	893522	183.03 ng	99
113) Chrysene	12.274	228	893772	183.52 ng	100
114) bis(2-Ethylhexyl)phtha...	12.316	149	890161	232.13 ng	98
116) Di-n-octylphthalate	13.070	149	1483094	226.77 ng	100
117) Benzo[b]fluoranthene	13.444	252	817985m	201.61 ng	
118) Benzo[k]fluoranthene	13.476	252	853353	194.05 ng	99
119) Benzo[a]pyrene	13.780	252	784968	197.12 ng	98
120) Indeno[1,2,3-cd]pyrene	14.971	276	775644	212.20 ng	78
121) Dibenzo[a,h]anthracene	14.993	278	633690	209.50 ng	91
122) Benzo[g,h,i]perylene	15.292	276	665245	207.41 ng	91

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


Abundance
TIC: 5M64988.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 5M64988.D
Acq On : 03/ 3/11 13:04
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 037037/11 15:20
Qt Upd On: 03/03/11 12:26
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 5M64988.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
Di-n-butylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Fluoranthene,C
Pyrene,M
Benzidine,T
Parathion,T
4,4'-DDE,T
Terphenyl-d14,S
2,4,6-Tribromophenol,S
Time-->

Abundance
TIC: 5M64988.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Chrysene,C
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64982.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 10:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.404	152	69507	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	265337	40.00	ng	0.00
51) Acenaphthene-d10	7.797	164	136312	40.00	ng	0.00
85) Phenanthrene-d10	9.213	188	222396	40.00	ng	0.00
102) Chrysene-d12	12.231	240	167980	40.00	ng	0.00
115) Perylene-d12	13.823	264	142754	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
16) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
32) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
56) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
88) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
Spiked Amount 100.000			Recovery =	0.00%		
105) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
8) Pyridine	0.000		0	N.D.		
9) N-Nitrosodimethylamine	0.000		0	N.D.	d	
11) Chloroacetamide	0.000		0	N.D.		
12) Benzaldehyde	0.000		0	N.D.	d	
13) Aniline	0.000		0	N.D.	d	
14) Pentachloroethane	0.000		0	N.D.	d	
15) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
17) Phenol	0.000		0	N.D.	d	
18) 2-Chlorophenol	0.000		0	N.D.	d	
19) N-Decane	0.000		0	N.D.	d	
20) 3-Chlorophenol	0.000		0	N.D.	d	
21) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
22) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
23) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
24) Benzyl alcohol	0.000		0	N.D.	d	
25) bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
26) 2-Methylphenol	5.633	108	1078	0.47	ng	99
27) Acetophenone	0.000		0	N.D.	d	
28) Hexachloroethane	0.000		0	N.D.	d	
29) N-Nitroso-di-n-propyla...	0.000		0	N.D.	d	
30) 3&4-Methylphenol	5.767	108	1123	0.46	ng	99
33) Nitrobenzene	0.000		0	N.D.	d	
34) Isophorone	0.000		0	N.D.	d	
35) 2-Nitrophenol	0.000		0	N.D.		
36) 2,4-Dimethylphenol	6.178	107	1093	0.44	ng	86
37) Benzoic Acid	0.000		0	N.D.	d	
38) bis(2-Chloroethoxy)met...	0.000		0	N.D.	d	
39) 2,4-Dichlorophenol	0.000		0	N.D.	d	
40) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
41) Naphthalene	6.440	128	4163	0.58	ng	92
42) 3-Chloroaniline	0.000		0	N.D.	d	
43) 4-Chloroaniline	0.000		0	N.D.	d	
44) Hexachlorobutadiene	0.000		0	N.D.		
45) Caprolactam	0.000		0	N.D.		
46) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
47) 2-Methylnaphthalene	0.000		0	N.D.	d	
48) Methylnaphthalenes (To...	0.000		0	N.D.	d	
49) 2,4-Dichloroaniline	0.000		0	N.D.	d	
50) 1,1'-Biphenyl	0.000		0	N.D.	d	
52) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	d	
53) Hexachlorocyclopentadiene	0.000		0	N.D.		
54) 2,4,6-Trichlorophenol	0.000		0	N.D.		
55) 2,4,5-Trichlorophenol	0.000		0	N.D.		
57) 1,2,3,4-Tetrachloroben...	0.000		0	N.D.	d	
58) 2-Chloronaphthalene	0.000		0	N.D.	d	
59) 3,4-Dichlorophenol	0.000		0	N.D.	d	
60) 3,4-Dichloroaniline	0.000		0	N.D.		
61) 1,4-Dimethylnaphthalene	0.000		0	N.D.	d	
62) Dimethylnaphthalenes (...	0.000		0	N.D.	d	
63) Diphenyl Ether	0.000		0	N.D.	d	
64) 2-Nitroaniline	0.000		0	N.D.	d	
65) Coumarin	0.000		0	N.D.	d	

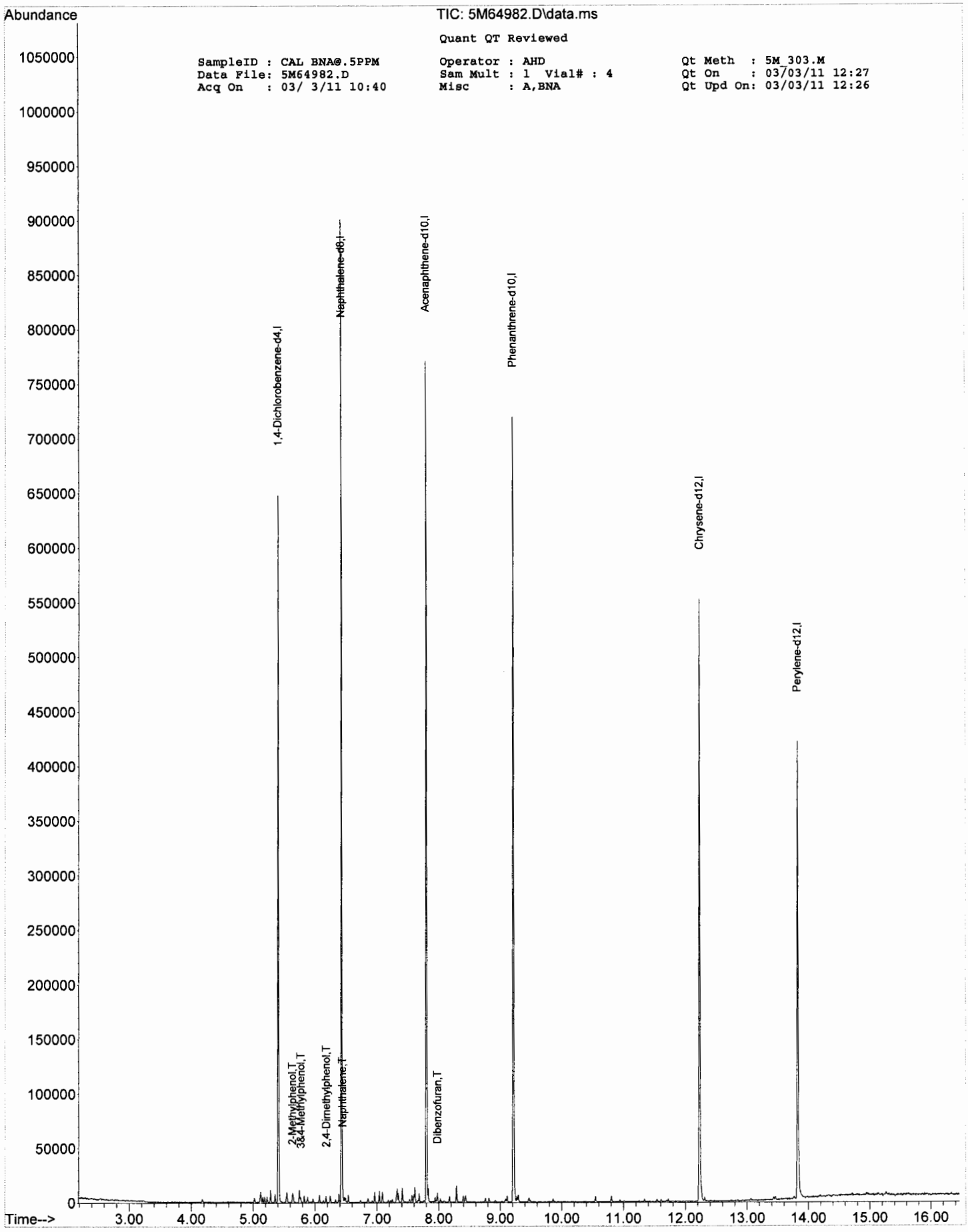
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M64982.D Sam Mult : 1 Vial# : 4 Qt On : 03/03/11 12:27
Acq On : 03/ 3/11 10:40 Misc : A,BNA Qt Upd On: 03/03/11 12:26

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	0.000		0	N.D. d	
67) Dimethylphthalate	0.000		0	N.D. d	
68) 2,6-Dinitrotoluene	0.000		0	N.D. d	
69) Acenaphthene	0.000		0	N.D. d	
70) 3-Nitroaniline	0.000		0	N.D.	
71) 2,4-Dinitrophenol	0.000		0	N.D.	
72) Pentachlorobenzene	0.000		0	N.D. d	
73) Dibenzofuran	7.978	168	3215	0.60 ng	88
74) 2,4,5-Trichloroaniline	0.000		0	N.D. d	
75) 2,4-Dinitrotoluene	0.000		0	N.D. d	
76) 4-Nitrophenol	0.000		0	N.D. d	
77) 2,3,4,5-Tetrachlorophenol	0.000		0	N.D. d	
78) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D. d	
79) Fluorene	0.000		0	N.D. d	
80) 4-Chlorophenyl-phenyle...	0.000		0	N.D. d	
81) Diethylphthalate	0.000		0	N.D. d	
82) 4-Nitroaniline	0.000		0	N.D.	
83) 2,3,5,6-Tetrachloroani...	0.000		0	N.D. d	
84) Atrazine	0.000		0	N.D.	
86) 4,6-Dinitro-2-methylph...	0.000		0	N.D.	
87) n-Nitrosodiphenylamine	0.000		0	N.D. d	
89) 1,2-Diphenylhydrazine	0.000		0	N.D. d	
90) 4-Bromophenyl-phenylether	0.000		0	N.D.	
91) Hexachlorobenzene	0.000		0	N.D.	
92) N-Octadecane	0.000		0	N.D. d	
93) Pentachloronitrobenzene	0.000		0	N.D.	
94) Pentachlorophenol	0.000		0	N.D.	
95) Phenanthrene	0.000		0	N.D. d	
96) Anthracene	0.000		0	N.D. d	
97) Pentachloroaniline	0.000		0	N.D.	
98) Carbazole	0.000		0	N.D. d	
99) Di-n-butylphthalate	0.000		0	N.D. d	
100) Parathion	0.000		0	N.D.	
101) Fluoranthene	0.000		0	N.D. d	
103) Pyrene	0.000		0	N.D. d	
104) Benzidine	0.000		0	N.D.	
106) 4,4'-DDE	0.000		0	N.D.	
107) 4,4'-DDD	0.000		0	N.D.	
108) Di-n-hexyl phthalate	0.000		0	N.D. d	
109) Butylbenzylphthalate	0.000		0	N.D. d	
110) 4,4'-DDT	0.000		0	N.D.	
111) 3,3'-Dichlorobenzidine	0.000		0	N.D.	
112) Benzo[a]anthracene	0.000		0	N.D. d	
113) Chrysene	0.000		0	N.D. d	
114) bis(2-Ethylhexyl)phtha...	0.000		0	N.D. d	
116) Di-n-octylphthalate	0.000		0	N.D. d	
117) Benzo[b]fluoranthene	0.000		0	N.D. d	
118) Benzo[k]fluoranthene	0.000		0	N.D. d	
119) Benzo[a]pyrene	0.000		0	N.D. d	
120) Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d	
121) Dibenzo[a,h]anthracene	0.000		0	N.D. d	
122) Benzo[g,h,i]perylene	0.000		0	N.D. d	

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


Abundance
TIC: 5M64982.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@.5PPM
Data File: 5M64982.D
Acq On : 03/ 3/11 10:40
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/03/11 12:27
Qt Upd On: 03/03/11 12:26
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0200

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32196.	CAL BNA@50PPM	02/09/11 13:26	2	9M32194.	CAL BNA@2PPM	02/09/11 12:37
3	9M32193.	CAL BNA@10PPM	02/09/11 12:14	4	9M32192.	CAL BNA@20PPM	02/09/11 11:51
5	9M32191.	CAL BNA@80PPM	02/09/11 11:28	6	9M32190.	CAL BNA@120PPM	02/09/11 11:05
7	9M32189.	CAL BNA@160PPM	02/09/11 10:38	8	9M32188.	CAL BNA@196PPM	02/09/11 10:15
9	9M32195.	CAL BNA@0.5PPM	02/09/11 13:00				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Qua	1.6953	0.8275	1.3913	1.4005	1.5510	1.5826	1.6276	1.6333	-----	1.46	2.64	0.999	0.999	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0237	0.6965	0.8849	0.8719	0.9595	0.9939	1.0092	1.0029	-----	0.930	2.58	0.998	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3777	1.0545	1.2276	1.2401	1.3362	1.3716	1.4110	1.3939	-----	1.30	4.32	1.00	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	0.9784	0.9943	1.0669	1.0000	0.8642	0.6247	0.4807	0.3699	-----	0.797	5.17	0.779	0.993	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.4561	1.5321	1.8140	2.0001	2.2871	2.1649	2.2519	2.1766	-----	2.09	5.27	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4709	0.4240	0.4622	0.4478	0.4442	0.4445	0.4579	0.4395	-----	0.449	5.32	0.999	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5466	1.4973	1.5311	1.4466	1.4343	1.3924	1.4466	1.3870	-----	1.46	5.34	0.999	0.999	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.9712	1.6226	1.8290	1.7644	1.8675	1.8267	1.9083	1.8513	-----	1.83	5.25	0.999	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1849	1.8588	2.0329	1.9718	2.0545	1.9508	2.0712	1.9989	-----	2.02	5.26	0.999	0.999	4.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5527	1.3572	1.4744	1.4407	1.4527	1.4427	1.5061	1.4460	-----	1.46	5.38	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.8915	1.7736	1.8566	1.8122	1.7112	1.6950	1.7307	1.6604	-----	1.77	5.44	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.5913	1.5573	1.5652	1.5187	1.4681	1.4509	1.4958	1.4430	-----	1.51	5.51	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5938	1.6046	1.5854	1.5307	1.4895	1.4786	1.5074	1.4631	-----	1.53	5.57	0.999	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.5152	1.4669	1.5317	1.4379	1.3988	1.3801	1.4132	1.3703	-----	1.44	5.70	0.999	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0582	0.9381	1.0139	0.9678	1.0063	0.9787	1.0242	0.9917	-----	0.997	5.68	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.2342	2.1916	2.2194	2.1006	2.0674	1.9834	2.0511	1.9749	-----	2.10	5.80	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.4577	1.2762	1.4291	1.3346	1.3551	1.3352	1.3888	1.3549	1.2168	1.35	5.77	0.999	0.999	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2531	2.2039	2.2826	2.1446	2.0981	2.0130	2.0960	2.0329	-----	2.14	5.90	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5843	0.5498	0.5664	0.5522	0.5530	0.5583	0.5672	0.5499	-----	0.560	5.98	0.999	1.00	2.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1731	1.0594	1.1821	1.0969	1.0840	1.0213	1.0676	1.0438	-----	1.09	5.90	0.999	0.999	5.3	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.5043	1.3318	1.5255	1.4130	1.4017	1.3250	1.3878	1.3389	1.2505	1.39	5.90	0.999	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1708	0.1488	0.1590	0.1637	0.1659	0.1768	0.1774	0.1728	-----	0.167	6.02	0.999	0.999	5.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3897	0.3207	0.3705	0.3719	0.3629	0.3685	0.3760	0.3634	-----	0.366	6.03	0.999	0.999	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7626	0.6778	0.7301	0.7049	0.7069	0.7290	0.7430	0.7235	-----	0.722	6.22	0.999	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1752	0.1164	0.1500	0.1602	0.1765	0.1864	0.1872	0.1792	-----	0.166	6.28	0.999	0.999	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.3795	0.3095	0.3612	0.3580	0.3533	0.3523	0.3681	0.3542	0.2877	0.347	6.32	0.999	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2346	-----	0.1316	0.1756	0.2669	0.2609	0.3064	0.2775	-----	0.236	6.40	0.995	0.995	26		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4609	0.4110	0.4482	0.4380	0.4248	0.4239	0.4339	0.4169	-----	0.432	6.39	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2879	0.2289	0.2707	0.2689	0.2752	0.2767	0.2836	0.2723	-----	0.271	6.47	0.999	0.999	6.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3005	0.2935	0.2971	0.2895	0.2803	0.2872	0.2899	0.2801	-----	0.290	6.53	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.1432	1.1135	1.1274	1.1145	1.0551	1.0343	1.0740	1.0248	1.1809	1.10	6.60	0.999	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4450	0.2983	0.3383	0.3769	0.3795	0.3203	0.3076	0.2638	-----	0.341	6.63	0.969	0.996	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1338	0.1312	0.1343	0.1301	0.1269	0.1319	0.1343	0.1287	-----	0.131	6.69	0.999	0.999	2.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1509	0.1138	0.1368	0.1359	0.1448	0.1198	0.1301	0.1270	-----	0.132	6.92	0.994	0.996	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3423	0.2786	0.3086	0.3116	0.3243	0.3177	0.3358	0.3277	-----	0.318	6.99	0.999	0.999	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7301	0.6724	0.7131	0.6940	0.6843	0.6636	0.6926	0.6602	-----	0.689	7.11	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7301	0.6724	0.7131	0.6940	0.6843	0.6636	0.6926	0.6602	-----	0.689	7.11	0.999	0.999	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	0.9619	0.8944	0.9412	0.9205	0.9002	0.8662	0.9126	0.8705	-----	0.908	7.48	0.998	0.999	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.4993	0.4875	0.4862	0.4901	0.4673	0.4719	0.4686	0.4492	-----	0.478	7.25	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	LinF	0.2206	0.0992	0.1710	0.1922	0.2273	0.2517	0.2463	0.2409	-----	0.206	7.24	0.998	0.998	25	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3218	0.2561	0.2822	0.3083	0.3049	0.3232	0.3253	0.3143	-----	0.305	7.33	0.999	0.999	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria(if applicable)
** - ccc compound*
*** - spcc compound*

Note: Avg Rsd: 8.47

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_9

0201

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32196.	CAL BNA@50PPM	02/09/11 13:26	2	9M32194.	CAL BNA@2PPM	02/09/11 12:37
3	9M32193.	CAL BNA@10PPM	02/09/11 12:14	4	9M32192.	CAL BNA@20PPM	02/09/11 11:51
5	9M32191.	CAL BNA@80PPM	02/09/11 11:28	6	9M32190.	CAL BNA@120PPM	02/09/11 11:05
7	9M32189.	CAL BNA@160PPM	02/09/11 10:38	8	9M32188.	CAL BNA@196PPM	02/09/11 10:15
9	9M32195.	CAL BNA@0.5PPM	02/09/11 13:00				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3429	0.2211	0.3362	0.3127	0.3250	0.3281	0.3324	0.3295	-----	0.316	7.37	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3317	1.2315	1.3300	1.2781	1.2361	1.2557	1.2564	1.2318	-----	1.27	7.40	1.00	1.00	3.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1634	1.1364	1.1560	1.1320	1.0662	1.0642	1.0740	1.0434	-----	1.10	7.50	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	1.0018	0.9459	1.0118	0.9786	0.9022	0.8799	0.8911	0.8514	-----	0.933	7.78	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.0018	0.9459	1.0118	0.9786	0.9022	0.8799	0.8911	0.8514	-----	0.933	7.78	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9491	0.9222	0.9347	0.9200	0.8675	0.8807	0.8748	0.8517	-----	0.900	7.57	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4540	0.3141	0.4129	0.4177	0.4248	0.4249	0.4283	0.4194	-----	0.412	7.58	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5311	0.4725	0.5363	0.5173	0.4802	0.4617	0.4775	0.4586	-----	0.492	7.76	0.998	0.999	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9959	1.7794	1.9753	1.9134	1.8277	1.7987	1.8327	1.7794	-----	1.86	7.85	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3565	1.2630	1.3618	1.3225	1.2600	1.2718	1.2866	1.2581	-----	1.30	7.73	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2887	0.1763	0.2694	0.2735	0.2724	0.2761	0.2772	0.2703	-----	0.263	7.78	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2481	1.1994	1.2536	1.2143	1.1509	1.1449	1.1667	1.1337	-----	1.19	8.00	0.999	0.999	3.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3588	0.2218	0.3075	0.3145	0.3227	0.3034	0.2979	0.2895	-----	0.302	7.92	0.996	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.0706	-----	0.0364	0.0557	0.0968	0.1174	0.1207	0.1244	-----	0.0889	8.01	0.987	0.996	39	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6947	1.6265	1.6954	1.6497	1.5650	1.5233	1.5615	1.5107	1.6920	1.61	8.15	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	LinF	0.3775	0.1850	0.2988	0.3304	0.3706	0.3772	0.3859	0.3790	-----	0.338	8.13	1.00	1.00	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	LinF	0.2620	0.1260	0.2239	0.2285	0.2547	0.2552	0.2701	0.2688	-----	0.236	8.05	0.999	0.999	20	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2523	0.1614	0.2409	0.2286	0.2419	0.2430	0.2479	0.2459	-----	0.233	8.25	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4115	1.3276	1.3898	1.3611	1.3084	1.2727	1.3119	1.2719	-----	1.33	8.46	0.999	0.999	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5773	0.5519	0.5803	0.5582	0.5361	0.5461	0.5480	0.5314	-----	0.554	8.46	0.999	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3706	1.2159	1.3490	1.2985	1.2824	1.2716	1.2984	1.2703	-----	1.29	8.35	1.00	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3969	0.2532	0.3568	0.3668	0.3738	0.3679	0.3889	0.3837	-----	0.361	8.47	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3826	0.2947	0.3530	0.3567	0.3649	0.3621	0.3733	0.3673	-----	0.357	9.10	1.00	1.00	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.0727	0.0069	0.0366	0.0533	0.0896	0.1025	0.1065	0.1058	-----	0.0718	8.51	0.985	0.996	51		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7310	0.6464	0.7068	0.7147	0.6859	0.6861	0.6908	0.6565	-----	0.690	8.57	0.998	0.999	4.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	LinF	0.0540	0.0334	0.0441	0.0478	0.0524	0.0552	0.0549	0.0537	-----	0.0495	8.69	0.999	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.9194	0.8256	0.9097	0.8853	0.8483	0.8435	0.8546	0.8204	-----	0.863	8.61	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1641	0.1524	0.1589	0.1571	0.1571	0.1663	0.1633	0.1572	-----	0.160	8.93	0.999	0.999	2.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1465	0.1480	0.1448	0.1393	0.1404	0.1460	0.1441	0.1388	-----	0.144	9.00	0.999	0.999	2.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7097	0.5361	0.6490	0.6529	0.6470	0.6370	0.6426	0.6046	-----	0.635	9.28	0.997	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0923	-----	0.0604	0.0731	0.0970	0.1022	0.1068	0.1013	-----	0.0905	9.19	0.999	0.999	19	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1349	1.1503	1.1281	1.1088	1.0552	1.0501	1.0727	1.0226	-----	1.09	9.42	0.999	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1560	1.0793	1.1397	1.1202	1.0891	1.0776	1.1023	1.0511	-----	1.10	9.47	0.999	0.999	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1822	1.0441	1.1332	1.1310	1.1083	1.0895	1.1260	1.0807	-----	1.11	9.64	0.999	0.999	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4104	1.0662	1.2557	1.2897	1.3406	1.3523	1.3826	1.3191	-----	1.30	10.04	0.999	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1817	1.0049	1.0875	1.0937	1.1184	1.1217	1.1414	1.0994	-----	1.11	10.73	0.999	0.999	4.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.4649	1.2596	1.3772	1.3736	1.3692	1.4381	1.4309	1.3744	-----	1.39	10.99	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6382	0.2879	0.3894	0.4823	0.6122	0.5113	0.4895	0.4556	-----	0.483	10.90	0.979	0.997	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8414	0.6986	0.7850	0.7712	0.8012	0.8619	0.8557	0.8475	-----	0.808	11.19	0.999	1.00	6.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p,p'-DDE	1	0	Avg	0.2488	0.2002	0.2275	0.2272	0.2352	0.2522	0.2495	0.2427	-----	0.235	11.13	0.999	0.999	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDD	1	0	Avg	0.5010	0.3751	0.4562	0.4635	0.4769	0.5224	0.5132	0.4988	-----	0.476	11.52	0.999	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.47

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0202

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32196.	CAL BNA@50PPM	02/09/11 13:26	2	9M32194.	CAL BNA@2PPM	02/09/11 12:37
3	9M32193.	CAL BNA@10PPM	02/09/11 12:14	4	9M32192.	CAL BNA@20PPM	02/09/11 11:51
5	9M32191.	CAL BNA@80PPM	02/09/11 11:28	6	9M32190.	CAL BNA@120PPM	02/09/11 11:05
7	9M32189.	CAL BNA@160PPM	02/09/11 10:38	8	9M32188.	CAL BNA@196PPM	02/09/11 10:15
9	9M32195.	CAL BNA@0.5PPM	02/09/11 13:00				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7581	0.5143	0.6529	0.6756	0.7219	0.7626	0.7619	0.7423	----	0.699	11.78	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	LinF	0.3293	0.1327	0.2351	0.2581	0.3281	0.3664	0.3710	0.3677	----	0.299	11.88	0.998	0.999	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3475	0.2298	0.2577	0.2742	0.3202	0.3094	0.2993	0.2783	----	0.290	12.39	0.993	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.2007	1.1221	1.1705	1.1445	1.1418	1.1758	1.2013	1.1635	----	1.17	12.41	0.999	0.999	2.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1504	1.1036	1.1465	1.1165	1.0806	1.1034	1.1164	1.0880	----	1.11	12.45	1.00	1.00	2.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0219	0.6973	0.8957	0.9287	0.9615	1.0081	1.0161	0.9829	----	0.939	12.49	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	2.0331	1.1863	1.6740	1.7706	1.9442	2.3432	2.1343	2.0964	----	1.90	13.24	0.996	0.996	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.2493	1.0239	1.1214	1.2062	1.1474	1.3883	1.3139	1.2751	----	1.22	13.62	0.996	0.996	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2311	1.0878	1.2152	1.1319	1.1763	1.1413	1.1628	1.1360	----	1.16	13.65	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1880	0.9550	1.0657	1.0731	1.1144	1.1778	1.1931	1.1541	----	1.12	13.96	0.999	0.999	7.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.1541	0.8914	1.0307	1.0706	1.1180	1.0417	1.1815	1.1238	----	1.08	15.20	0.996	0.996	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.8990	0.6804	0.7981	0.8500	0.8692	0.8243	0.9225	0.8789	----	0.840	15.22	0.997	0.997	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9537	0.8159	0.8694	0.8779	0.9059	0.8362	0.9636	0.9220	----	0.893	15.53	0.995	0.996	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.47

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32196.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:44
Acq On : 02/ 9/11 13:26 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	86323	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	346508	40.00	ng	0.00
47) Acenaphthene-d10	7.971	164	190795	40.00	ng	0.00
74) Phenanthrene-d10	9.393	188	315085	40.00	ng	0.00
88) Chrysene-d12	12.421	240	257471	40.00	ng	0.00
100) Perylene-d12	14.014	264	217789	40.00	ng	-0.01
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	148666	53.24	ng	0.00
Spiked Amount 100.000			Recovery = 53.24%			
15) Phenol-d5	5.248	99	212705	54.91	ng	0.00
Spiked Amount 100.000			Recovery = 54.91%			
30) Nitrobenzene-d5	6.018	128	36998	25.59	ng	0.00
Spiked Amount 50.000			Recovery = 51.18%			
52) 2-Fluorobiphenyl	7.398	172	158812	25.66	ng	0.00
Spiked Amount 50.000			Recovery = 51.32%			
77) 2,4,6-Tribromophenol	8.687	330	21271	55.64	ng	0.00
Spiked Amount 100.000			Recovery = 55.64%			
91) Terphenyl-d14	11.190	244	135404	26.46	ng	0.00
Spiked Amount 50.000			Recovery = 52.92%			
Target Compounds						Qvalue
8) Pyridine	2.638	79	182937	56.70	ng	78
9) N-Nitrosodimethylamine	2.579	74	110464	56.84	ng	74
11) Benzaldehyde	5.173	77	105575	62.33	ng	80
12) Aniline	5.275	93	265026	62.15	ng	41
13) Pentachloroethane	5.318	117	50820	51.56	ng	88
14) bis(2-Chloroethyl)ether	5.339	93	166886	53.28	ng	83
16) Phenol	5.259	94	235767	54.99	ng	88
17) 2-Chlorophenol	5.376	128	167551	53.98	ng	83
18) N-Decane	5.435	57	204101	51.03	ng	86
19) 1,3-Dichlorobenzene	5.510	146	171716	53.02	ng	97
20) 1,4-Dichlorobenzene	5.574	146	171987	52.06	ng	98
21) 1,2-Dichlorobenzene	5.697	146	163506	52.67	ng	97
22) Benzyl alcohol	5.681	108	114190	54.27	ng	72
23) bis(2-chloroisopropyl)...	5.799	45	241080	53.25	ng	93
24) 2-Methylphenol	5.772	108	157291	56.37	ng	100
25) Acetophenone	5.895	105	243121	56.89	ng	72
26) Hexachloroethane	5.981	117	63052	52.30	ng	94
27) N-Nitroso-di-n-propyla...	5.901	70	126590	54.94	ng	72
28) 3&4-Methylphenol	5.901	108	162328	56.66	ng	96
31) Nitrobenzene	6.034	77	168828	52.91	ng	78
32) Isophorone	6.221	82	330309	53.23	ng	86
33) 2-Nitrophenol	6.280	139	75903	52.97	ng	90
34) 2,4-Dimethylphenol	6.318	107	164377	54.43	ng	92
35) Benzoic Acid	6.403	105	101626m	51.96	ng	
36) bis(2-Chloroethoxy)met...	6.393	93	199643	52.78	ng	95
37) 2,4-Dichlorophenol	6.468	162	124715	53.12	ng	89
38) 1,2,4-Trichlorobenzene	6.532	180	130165	51.67	ng	98
39) Naphthalene	6.596	128	495168	51.71	ng	100
40) 4-Chloroaniline	6.633	127	192779	67.38	ng	100
41) Hexachlorobutadiene	6.687	225	57957	51.29	ng	97
42) Caprolactam	6.917	113	65389	60.04	ng	72
43) 4-Chloro-3-methylphenol	6.992	107	148284	54.71	ng	90
44) 2-Methylnaphthalene	7.115	142	316249	52.78	ng	100
45) Methylnaphthalenes (To...	7.115	142	316249	52.78	ng	100
46) 1,1'-Biphenyl	7.484	154	416637	53.04	ng	95
48) 1,2,4,5-Tetrachloroben...	7.248	216	119094	53.16	ng	99
49) Hexachlorocyclopentadiene	7.238	237	52631	55.75	ng	99
50) 2,4,6-Trichlorophenol	7.334	196	76768	52.31	ng	99
51) 2,4,5-Trichlorophenol	7.366	196	81784	52.84	ng	98
53) 2-Chloronaphthalene	7.500	162	277463	51.10	ng	96
54) 1,4-Dimethylnaphthalene	7.778	156	238924	51.82	ng	91
55) Dimethylnaphthalenes (...	7.778	156	238924	51.82	ng	91
56) Diphenyl Ether	7.569	170	226366	54.52	ng	79
57) 2-Nitroaniline	7.580	65	108282	55.14	ng	61
58) Coumarin	7.762	146	126679	53.01	ng	72
59) Acenaphthylene	7.848	152	476026	52.16	ng	100
60) Dimethylphthalate	7.730	163	323525	51.98	ng	98
61) 2,6-Dinitrotoluene	7.783	165	68867	55.85	ng	63
62) Acenaphthene	7.997	153	297678	51.20	ng	96
63) 3-Nitroaniline	7.922	138	85584	60.55	ng	68
64) 2,4-Dinitrophenol	8.013	184	16860	48.00	ng	80
65) Dibenzofuran	8.147	168	404197	52.14	ng	88

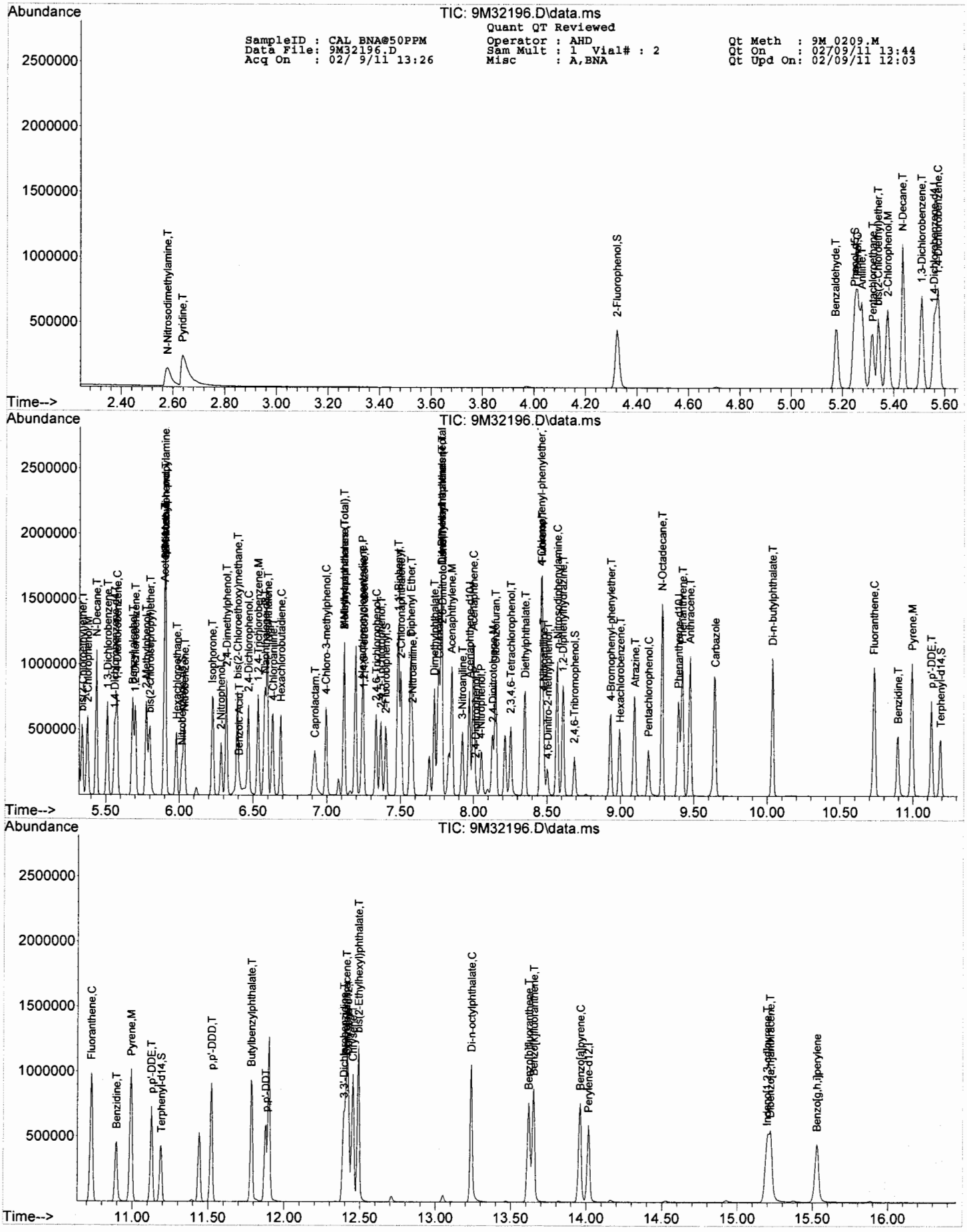
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32196.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:44
Acq On : 02/ 9/11 13:26 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.131	165	90047	58.04 ng	64
67) 4-Nitrophenol	8.051	65	62493	56.88 ng	98
68) 2,3,4,6-Tetrachlorophenol	8.254	232	60185	54.44 ng	95
69) Fluorene	8.463	166	336647	51.91 ng	99
70) 4-Chlorophenyl-phenyle...	8.457	204	137704	51.16 ng	94
71) Diethylphthalate	8.350	149	326882	52.20 ng	97
72) 4-Nitroaniline	8.473	138	94679	55.48 ng	75
73) Atrazine	9.099	200	91262	56.35 ng	96
75) 4,6-Dinitro-2-methylph...	8.505	198	28653	58.29 ng	55
76) n-Nitrosodiphenylamine	8.570	169	287924	51.89 ng	98
78) 1,2-Diphenylhydrazine	8.607	77	362128	51.53 ng	86
79) 4-Bromophenyl-phenylether	8.933	248	64652	51.09 ng	97
80) Hexachlorobenzene	8.997	284	57722	51.20 ng	85
81) N-Octadecane	9.281	57	279544	52.74 ng	85
82) Pentachlorophenol	9.190	266	36362	52.34 ng	96
83) Phenanthrene	9.420	178	447015	51.00 ng	98
84) Anthracene	9.473	178	455328	51.45 ng	100
85) Carbazole	9.645	167	465631	52.29 ng	98
86) Di-n-butylphthalate	10.035	149	555532	53.00 ng	98
87) Fluoranthene	10.730	202	465453	53.44 ng	99
89) Pyrene	10.993	202	471480	52.06 ng	97
90) Benzidine	10.896	184	205416	71.02 ng	91
92) p,p'-DDE	11.126	246	80072	52.38 ng	90
93) p,p'-DDD	11.522	235	161243	52.12 ng	86
94) Butylbenzylphthalate	11.784	149	244014	53.30 ng	80
95) p,p'-DDT	11.880	235	106001	60.55 ng	91
96) 3,3'-Dichlorobenzidine	12.394	252	111843	60.38 ng	99
97) Benzo[a]anthracene	12.410	228	386453	51.29 ng	99
98) Chrysene	12.453	228	370260	51.49 ng	98
99) bis(2-Ethylhexyl)phtha...	12.490	149	328897	53.06 ng	92
101) Di-n-octylphthalate	13.239	149	553508	52.93 ng	100
102) Benzo[b]fluoranthene	13.619	252	340105	51.95 ng	97
103) Benzo[k]fluoranthene	13.651	252	335160	52.11 ng	99
104) Benzo[a]pyrene	13.961	252	323429	52.57 ng	99
105) Indeno[1,2,3-cd]pyrene	15.197	276	314212	51.31 ng	92
106) Dibenzo[a,h]anthracene	15.218	278	244745	51.34 ng	93
107) Benzo[g,h,i]perylene	15.528	276	259639	50.97 ng	92

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


Abundance
TIC: 9M32196.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32196.D
Acq On : 02/ 9/11 13:26
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 13:44
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32196.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Nitroaniline,T
Diphenyl Ether,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32196.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32194.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:41
Acq On : 02/ 9/11 12:37 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	89667	40.00	ng	0.00
29) Naphthalene-d8	6.575	136	369163	40.00	ng	0.00
47) Acenaphthene-d10	7.965	164	206995	40.00	ng	-0.01
74) Phenanthrene-d10	9.388	188	334641	40.00	ng	-0.01
88) Chrysene-d12	12.415	240	275005	40.00	ng	-0.01
100) Perylene-d12	14.009	264	231181	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.328	112	4728	1.63	ng	0.00
Spiked Amount 100.000			Recovery = 1.63%			
15) Phenol-d5	5.243	99	7275	1.81	ng	0.00
Spiked Amount 100.000			Recovery = 1.81%			
30) Nitrobenzene-d5	6.013	128	1374	0.89	ng	0.00
Spiked Amount 50.000			Recovery = 1.78%			
52) 2-Fluorobiphenyl	7.393	172	6373	0.95	ng	-0.02
Spiked Amount 50.000			Recovery = 1.90%			
77) 2,4,6-Tribromophenol	8.682	330	560	1.38	ng	0.00
Spiked Amount 100.000			Recovery = 1.38%			
91) Terphenyl-d14	11.180	244	4803	0.88	ng	-0.02
Spiked Amount 50.000			Recovery = 1.76%			
Target Compounds						Qvalue
8) Pyridine	2.734	79	3710	1.11	ng	80
9) N-Nitrosodimethylamine	2.627	74	3123	1.55	ng	91
11) Benzaldehyde	5.173	77	4458	2.53	ng	70
12) Aniline	5.275	93	6869	1.55	ng	32
13) Pentachloroethane	5.312	117	1901	1.86	ng	88
14) bis(2-Chloroethyl)ether	5.339	93	6713	2.06	ng	88
16) Phenol	5.254	94	8334	1.87	ng	85
17) 2-Chlorophenol	5.371	128	6085	1.89	ng	87
18) N-Decane	5.435	57	7952	1.91	ng	88
19) 1,3-Dichlorobenzene	5.510	146	6982	2.08	ng	97
20) 1,4-Dichlorobenzene	5.574	146	7194	2.10	ng	99
21) 1,2-Dichlorobenzene	5.697	146	6577	2.04	ng	97
22) Benzyl alcohol	5.681	108	4206	1.92	ng	69
23) bis(2-chloroisopropyl)...	5.794	45	9826	2.09	ng	96
24) 2-Methylphenol	5.772	108	5722	1.97	ng	91
25) Acetophenone	5.895	105	9881	2.23	ng	70
26) Hexachloroethane	5.976	117	2465	1.97	ng	90
27) N-Nitroso-di-n-propyla...	5.895	70	4750	1.98	ng	71
28) 3&4-Methylphenol	5.895	108	5971	2.01	ng	98
31) Nitrobenzene	6.029	77	5920	1.74	ng	71
32) Isophorone	6.216	82	12512	1.89	ng	85
33) 2-Nitrophenol	6.280	139	2150	1.41	ng	83
34) 2,4-Dimethylphenol	6.313	107	5713	1.78	ng	86
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.387	93	7588	1.88	ng	96
37) 2,4-Dichlorophenol	6.462	162	4225	1.69	ng	91
38) 1,2,4-Trichlorobenzene	6.532	180	5418	2.02	ng	99
39) Naphthalene	6.591	128	20554	2.01	ng	98
40) 4-Chloroaniline	6.628	127	5507	1.81	ng	100
41) Hexachlorobutadiene	6.682	225	2423	2.01	ng	96
42) Caprolactam	6.874	113	2102	1.81	ng	62
43) 4-Chloro-3-methylphenol	6.981	107	5144	1.78	ng	95
44) 2-Methylnaphthalene	7.115	142	12413	1.94	ng	96
45) Methylnaphthalenes (To...	7.115	142	12413	1.94	ng	96
46) 1,1'-Biphenyl	7.479	154	16509	1.97	ng	95
48) 1,2,4,5-Tetrachloroben...	7.243	216	5046	2.08	ng	96
49) Hexachlorocyclopentadiene	7.233	237	1027	1.00	ng	88
50) 2,4,6-Trichlorophenol	7.329	196	2651	1.67	ng	93
51) 2,4,5-Trichlorophenol	7.356	196	2289	1.36	ng	98
53) 2-Chloronaphthalene	7.495	162	11762	2.00	ng	94
54) 1,4-Dimethylnaphthalene	7.767	156	9790	1.96	ng	92
55) Dimethylnaphthalenes (...	7.767	156	9790	1.96	ng	92
56) Diphenyl Ether	7.564	170	9545	2.12	ng	80
57) 2-Nitroaniline	7.569	65	3251	1.53	ng	85
58) Coumarin	7.746	146	4891	1.89	ng	70
59) Acenaphthylene	7.842	152	18417	1.86	ng	98
60) Dimethylphthalate	7.719	163	13072	1.94	ng	99
61) 2,6-Dinitrotoluene	7.773	165	1825	1.36	ng	67
62) Acenaphthene	7.992	153	12414	1.97	ng	97
63) 3-Nitroaniline	7.917	138	2296	1.50	ng	71
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.142	168	16834	2.00	ng	86

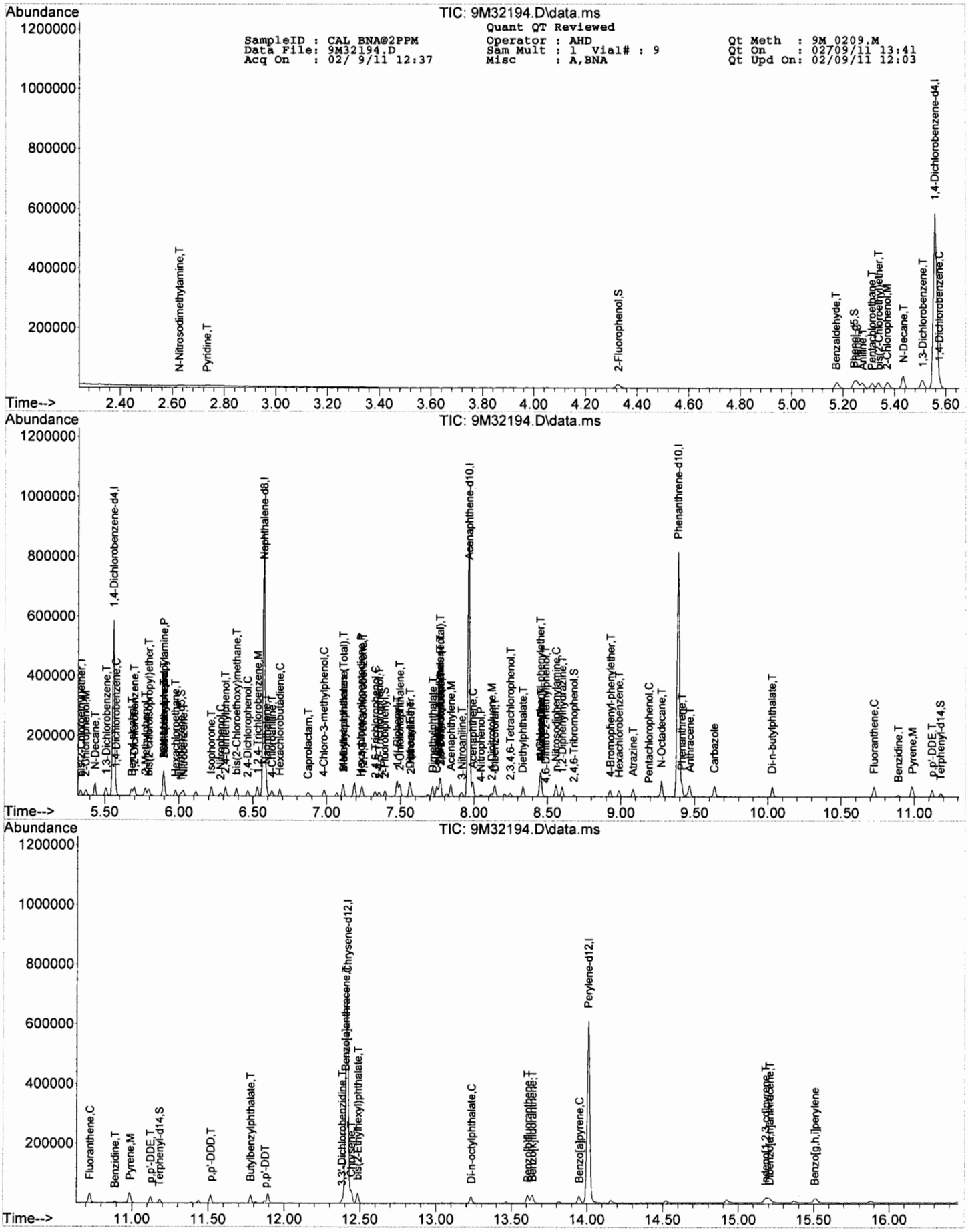
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32194.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 13:41
Acq On : 02/ 9/11 12:37 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.120	165	1915	1.14 ng	71
67)	4-Nitrophenol	8.046	65	1305	1.09 ng	92
68)	2,3,4,6-Tetrachlorophenol	8.249	232	1671	1.39 ng	93
69)	Fluorene	8.457	166	13741	1.95 ng	99
70)	4-Chlorophenyl-phenyle...	8.452	204	5712	1.96 ng	93
71)	Diethylphthalate	8.334	149	12585	1.85 ng	99
72)	4-Nitroaniline	8.457	138	2621	1.42 ng	76
73)	Atrazine	9.083	200	3051	1.74 ng	90
75)	4,6-Dinitro-2-methylph...	8.489	198	116	0.22 ng	56
76)	n-Nitrosodiphenylamine	8.559	169	10816	1.84 ng	97
78)	1,2-Diphenylhydrazine	8.602	77	13815	1.85 ng	79
79)	4-Bromophenyl-phenylether	8.928	248	2550	1.90 ng	94
80)	Hexachlorobenzene	8.987	284	2477	2.07 ng	85
81)	N-Octadecane	9.276	57	8971	1.59 ng	83
82)	Pentachlorophenol	9.190	266	455	0.62 ng	95
83)	Phenanthrene	9.415	178	19248	2.07 ng	100
84)	Anthracene	9.468	178	18059	1.92 ng	99
85)	Carbazole	9.634	167	17471	1.85 ng	97
86)	Di-n-butylphthalate	10.030	149	17840	1.60 ng	96
87)	Fluoranthene	10.725	202	16814	1.82 ng	97
89)	Pyrene	10.987	202	17321	1.79 ng	98
90)	Benzidine	10.891	184	3960	1.28 ng	85
92)	p,p'-DDE	11.121	246	2754	1.69 ng	89
93)	p,p'-DDD	11.517	235	5158	1.56 ng	82
94)	Butylbenzylphthalate	11.779	149	7073	1.45 ng	82
95)	p,p'-DDT	11.875	235	1825	0.98 ng	87
96)	3,3'-Dichlorobenzidine	12.383	252	3161	1.60 ng	94
97)	Benzo[a]anthracene	12.405	228	15430	1.92 ng	97
98)	Chrysene	12.442	228	15176	1.98 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.485	149	9588	1.45 ng	97
101)	Di-n-octylphthalate	13.234	149	13713	1.24 ng	97
102)	Benzo[b]fluoranthene	13.608	252	11836	1.70 ng	94
103)	Benzo[k]fluoranthene	13.640	252	12574	1.84 ng	97
104)	Benzo[a]pyrene	13.950	252	11039	1.69 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.181	276	10304	1.59 ng	98
106)	Dibenzo[a,h]anthracene	15.207	278	7865	1.55 ng	97
107)	Benzo[g,h,i]perylene	15.507	276	9431	1.74 ng	93

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


TIC: 9M32194.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M32194.D
Acq On : 02/ 9/11 12:37
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 13:41
Qt Upd On: 02/09/11 12:03
Abundance
Time-->

Quantitation Report (QT Reviewed)

0209

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32193.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:31
Acq On : 02/ 9/11 12:14 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	82809	40.00	ng	0.00
29) Naphthalene-d8	6.575	136	336197	40.00	ng	0.00
47) Acenaphthene-d10	7.965	164	186024	40.00	ng	-0.01
74) Phenanthrene-d10	9.388	188	308945	40.00	ng	-0.01
88) Chrysene-d12	12.415	240	256623	40.00	ng	-0.01
100) Perylene-d12	14.009	264	215524	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	25414	9.49	ng	0.00
Spiked Amount 100.000			Recovery = 9.49%			
15) Phenol-d5	5.243	99	37866	10.19	ng	0.00
Spiked Amount 100.000			Recovery = 10.19%			
30) Nitrobenzene-d5	6.013	128	6683	4.76	ng	0.00
Spiked Amount 50.000			Recovery = 9.52%			
52) 2-Fluorobiphenyl	7.398	172	30928	5.12	ng	0.00
Spiked Amount 50.000			Recovery = 10.24%			
77) 2,4,6-Tribromophenol	8.682	330	3411	9.10	ng	0.00
Spiked Amount 100.000			Recovery = 9.10%			
91) Terphenyl-d14	11.185	244	25182	4.94	ng	0.00
Spiked Amount 50.000			Recovery = 9.88%			
Target Compounds						Qvalue
8) Pyridine	2.670	79	28803	9.31	ng	77
9) N-Nitrosodimethylamine	2.590	74	18320	9.83	ng	89
11) Benzaldehyde	5.173	77	22088	13.59	ng	77
12) Aniline	5.270	93	37555	9.18	ng	33
13) Pentachloroethane	5.312	117	9569	10.12	ng	89
14) bis(2-Chloroethyl)ether	5.334	93	31699	10.55	ng	85
16) Phenol	5.254	94	42086	10.23	ng	83
17) 2-Chlorophenol	5.371	128	30524	10.25	ng	84
18) N-Decane	5.435	57	38437	10.02	ng	86
19) 1,3-Dichlorobenzene	5.510	146	32405	10.43	ng	100
20) 1,4-Dichlorobenzene	5.574	146	32822	10.36	ng	96
21) 1,2-Dichlorobenzene	5.697	146	31710	10.65	ng	97
22) Benzyl alcohol	5.676	108	20991	10.40	ng	66
23) bis(2-chloroisopropyl)...	5.794	45	45948	10.58	ng	93
24) 2-Methylphenol	5.772	108	29586	11.05	ng	98
25) Acetophenone	5.890	105	47256	11.53	ng	71
26) Hexachloroethane	5.976	117	11727	10.14	ng	98
27) N-Nitroso-di-n-propyla...	5.895	70	24474	11.07	ng	72
28) 3&4-Methylphenol	5.895	108	31582	11.49	ng	99
31) Nitrobenzene	6.029	77	31144	10.06	ng	81
32) Isophorone	6.216	82	61369	10.19	ng	86
33) 2-Nitrophenol	6.280	139	12610	9.07	ng	89
34) 2,4-Dimethylphenol	6.313	107	30363	10.36	ng	95
35) Benzoic Acid	6.366	105	11067	5.83	ng	84
36) bis(2-Chloroethoxy)met...	6.387	93	37671	10.26	ng	95
37) 2,4-Dichlorophenol	6.462	162	22755	9.99	ng	90
38) 1,2,4-Trichlorobenzene	6.532	180	24973	10.22	ng	98
39) Naphthalene	6.591	128	94764	10.20	ng	99
40) 4-Chloroaniline	6.628	127	28434	10.24	ng	99
41) Hexachlorobutadiene	6.682	225	11288	10.30	ng	97
42) Caprolactam	6.880	113	11499	10.88	ng	71
43) 4-Chloro-3-methylphenol	6.987	107	25940	9.86	ng	78
44) 2-Methylnaphthalene	7.110	142	59941	10.31	ng	99
45) Methylnaphthalenes (To...	7.110	142	59941	10.31	ng	99
46) 1,1'-Biphenyl	7.479	154	79114	10.38	ng	95
48) 1,2,4,5-Tetrachloroben...	7.243	216	22615	10.35	ng	97
49) Hexachlorocyclopentadiene	7.233	237	7956	8.64	ng	96
50) 2,4,6-Trichlorophenol	7.329	196	13125	9.17	ng	98
51) 2,4,5-Trichlorophenol	7.356	196	15638	10.36	ng	96
53) 2-Chloronaphthalene	7.495	162	53761	10.16	ng	96
54) 1,4-Dimethylnaphthalene	7.773	156	47059	10.47	ng	90
55) Dimethylnaphthalenes (...	7.773	156	47059	10.47	ng	90
56) Diphenyl Ether	7.564	170	43470	10.74	ng	80
57) 2-Nitroaniline	7.575	65	19205	10.03	ng	66
58) Coumarin	7.751	146	24944	10.70	ng	71
59) Acenaphthylene	7.842	152	91864	10.32	ng	100
60) Dimethylphthalate	7.719	163	63334	10.44	ng	97
61) 2,6-Dinitrotoluene	7.773	165	12530	10.42	ng	65
62) Acenaphthene	7.992	153	58302	10.29	ng	96
63) 3-Nitroaniline	7.917	138	14304	10.38	ng	74
64) 2,4-Dinitrophenol	8.008	184	1697	4.95	ng	82
65) Dibenzofuran	8.142	168	78850	10.43	ng	89

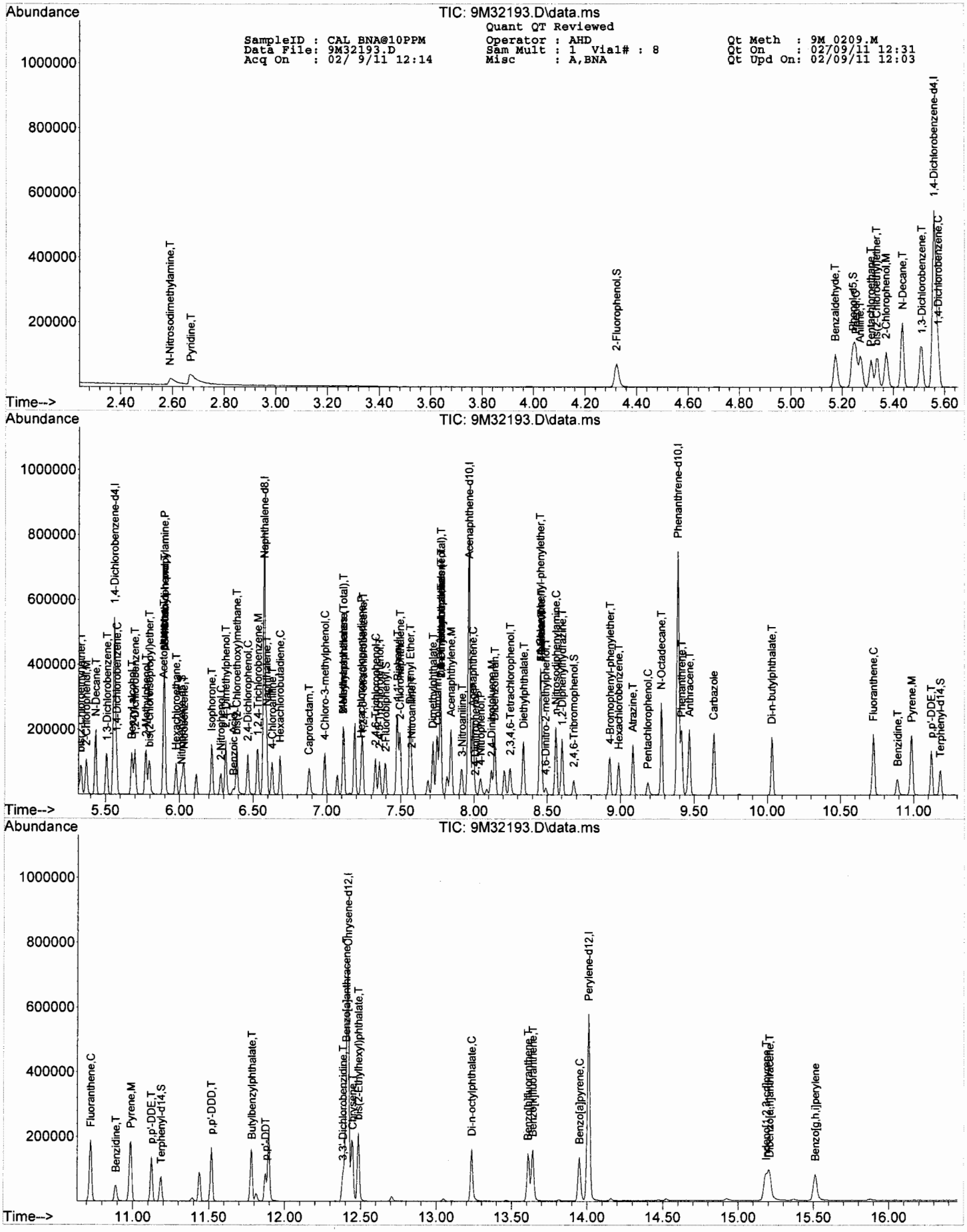
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32193.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:31
Acq On : 02/ 9/11 12:14 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.120	165	13899	9.19 ng	64
67) 4-Nitrophenol	8.046	65	10416	9.72 ng	96
68) 2,3,4,6-Tetrachlorophenol	8.249	232	11207	10.40 ng	92
69) Fluorene	8.457	166	64634	10.22 ng	99
70) 4-Chlorophenyl-phenyle...	8.452	204	26989	10.28 ng	92
71) Diethylphthalate	8.340	149	62739	10.28 ng	98
72) 4-Nitroaniline	8.457	138	16595	9.97 ng	75
73) Atrazine	9.083	200	16419	10.40 ng	96
75) 4,6-Dinitro-2-methylph...	8.489	198	2834	5.88 ng	51
76) n-Nitrosodiphenylamine	8.559	169	54592	10.03 ng	96
78) 1,2-Diphenylhydrazine	8.602	77	70268	10.20 ng	84
79) 4-Bromophenyl-phenylether	8.928	248	12280	9.90 ng	97
80) Hexachlorobenzene	8.987	284	11185	10.12 ng	97
81) N-Octadecane	9.276	57	50131	9.65 ng	87
82) Pentachlorophenol	9.185	266	4669	6.85 ng	97
83) Phenanthrene	9.415	178	87131	10.14 ng	99
84) Anthracene	9.468	178	88030	10.15 ng	99
85) Carbazole	9.634	167	87530	10.03 ng	98
86) Di-n-butylphthalate	10.030	149	96990	9.44 ng	98
87) Fluoranthene	10.725	202	83995	9.84 ng	98
89) Pyrene	10.987	202	88356	9.79 ng	97
90) Benzidine	10.891	184	24986	8.67 ng	94
92) p,p'-DDE	11.121	246	14601	9.58 ng	88
93) p,p'-DDD	11.517	235	29268	9.49 ng	85
94) Butylbenzylphthalate	11.784	149	41887	9.18 ng	73
95) p,p'-DDT	11.875	235	15088	8.65 ng	92
96) 3,3'-Dichlorobenzidine	12.383	252	16533	8.96 ng	94
97) Benzo[a]anthracene	12.405	228	75099	10.00 ng	99
98) Chrysene	12.447	228	73555	10.26 ng	98
99) bis(2-Ethylhexyl)phtha...	12.485	149	57469	9.30 ng	92
101) Di-n-octylphthalate	13.234	149	90198	8.72 ng	99
102) Benzo[b]fluoranthene	13.608	252	60422	9.33 ng	98
103) Benzo[k]fluoranthene	13.640	252	65479	10.29 ng	98
104) Benzo[a]pyrene	13.950	252	57425	9.43 ng	98
105) Indeno[1,2,3-cd]pyrene	15.186	276	55540	9.17 ng	96
106) Dibenzo[a,h]anthracene	15.207	278	43006	9.12 ng	92
107) Benzo[g,h,i]perylene	15.512	276	46849	9.29 ng	91

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


Abundance
TIC: 9M32193.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M32193.D
Acq On : 02/ 9/11 12:14
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 12:31
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->
Isophorone,T
Nitrobenzene-d5,S
Bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene-d10,I
2-Fluorobiphenyl,S
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene-d10,I
3-Nitroaniline,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,C
Diphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Abundance
TIC: 9M32193.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,C
Chrysene-d12,I
Chrysene,C
Bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32192.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:51 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	84606	40.00	ng	0.00
29) Naphthalene-d8	6.574	136	328450	40.00	ng	0.00
47) Acenaphthene-d10	7.970	164	179144	40.00	ng	0.00
74) Phenanthrene-d10	9.393	188	291796	40.00	ng	0.00
88) Chrysene-d12	12.415	240	242274	40.00	ng	-0.01
100) Perylene-d12	14.009	264	204075	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	52462	19.17	ng	0.00
Spiked Amount 100.000			Recovery = 19.17%			
15) Phenol-d5	5.243	99	74640	19.66	ng	0.00
Spiked Amount 100.000			Recovery = 19.66%			
30) Nitrobenzene-d5	6.013	128	13444	9.81	ng	-0.01
Spiked Amount 50.000			Recovery = 19.62%			
52) 2-Fluorobiphenyl	7.404	172	57243	9.85	ng	0.00
Spiked Amount 50.000			Recovery = 19.70%			
77) 2,4,6-Tribromophenol	8.687	330	6979	19.71	ng	0.00
Spiked Amount 100.000			Recovery = 19.71%			
91) Terphenyl-d14	11.185	244	46715	9.70	ng	-0.01
Spiked Amount 50.000			Recovery = 19.40%			
Target Compounds						Qvalue
8) Pyridine	2.654	79	59248	18.74	ng	79
9) N-Nitrosodimethylamine	2.584	74	36886	19.37	ng	73
11) Benzaldehyde	5.173	77	42304	25.48	ng	76
12) Aniline	5.269	93	84612	20.24	ng	35
13) Pentachloroethane	5.312	117	18945	19.61	ng	88
14) bis(2-Chloroethyl)ether	5.339	93	61197	19.93	ng	81
16) Phenol	5.253	94	83413	19.85	ng	83
17) 2-Chlorophenol	5.371	128	60947	20.03	ng	83
18) N-Decane	5.435	57	76662	19.56	ng	86
19) 1,3-Dichlorobenzene	5.510	146	64248	20.24	ng	99
20) 1,4-Dichlorobenzene	5.574	146	64757	20.00	ng	98
21) 1,2-Dichlorobenzene	5.697	146	60828	19.99	ng	99
22) Benzyl alcohol	5.676	108	40943	19.85	ng	70
23) bis(2-chloroisopropyl)...	5.794	45	88863	20.03	ng	94
24) 2-Methylphenol	5.772	108	56459	20.64	ng	100
25) Acetophenone	5.895	105	90723	21.66	ng	73
26) Hexachloroethane	5.975	117	23361	19.77	ng	97
27) N-Nitroso-di-n-propyla...	5.895	70	46403	20.55	ng	71
28) 3&4-Methylphenol	5.895	108	59775	21.29	ng	97
31) Nitrobenzene	6.029	77	61083	20.19	ng	78
32) Isophorone	6.221	82	115774	19.68	ng	82
33) 2-Nitrophenol	6.280	139	26315	19.37	ng	89
34) 2,4-Dimethylphenol	6.312	107	58799	20.54	ng	93
35) Benzoic Acid	6.377	105	28839	15.56	ng	87
36) bis(2-Chloroethoxy)met...	6.387	93	71932	20.06	ng	95
37) 2,4-Dichlorophenol	6.467	162	44168	19.85	ng	88
38) 1,2,4-Trichlorobenzene	6.532	180	47554	19.91	ng	99
39) Naphthalene	6.590	128	183029	20.16	ng	100
40) 4-Chloroaniline	6.628	127	61900	22.83	ng	99
41) Hexachlorobutadiene	6.687	225	21367	19.95	ng	96
42) Caprolactam	6.890	113	22325	21.63	ng	72
43) 4-Chloro-3-methylphenol	6.992	107	51172	19.92	ng	84
44) 2-Methylnaphthalene	7.115	142	113982	20.07	ng	96
45) Methylnaphthalenes (To...	7.115	142	113982	20.07	ng	96
46) 1,1'-Biphenyl	7.484	154	151183	20.30	ng	96
48) 1,2,4,5-Tetrachloroben...	7.248	216	43899	20.87	ng	96
49) Hexachlorocyclopentadiene	7.238	237	17221	19.43	ng	96
50) 2,4,6-Trichlorophenol	7.334	196	27623	20.05	ng	96
51) 2,4,5-Trichlorophenol	7.361	196	28009	19.27	ng	99
53) 2-Chloronaphthalene	7.500	162	101404	19.89	ng	96
54) 1,4-Dimethylnaphthalene	7.778	156	87663	20.25	ng	89
55) Dimethylnaphthalenes (...	7.778	156	87663	20.25	ng	89
56) Diphenyl Ether	7.569	170	82410	21.14	ng	80
57) 2-Nitroaniline	7.580	65	37414	20.29	ng	61
58) Coumarin	7.757	146	46336	20.65	ng	72
59) Acenaphthylene	7.847	152	171392	20.00	ng	100
60) Dimethylphthalate	7.730	163	118459	20.27	ng	97
61) 2,6-Dinitrotoluene	7.778	165	24499	21.16	ng	74
62) Acenaphthene	7.997	153	108771	19.93	ng	98
63) 3-Nitroaniline	7.922	138	28170	21.23	ng	67
64) 2,4-Dinitrophenol	8.013	184	4989	15.13	ng	83
65) Dibenzofuran	8.147	168	147774	20.30	ng	88

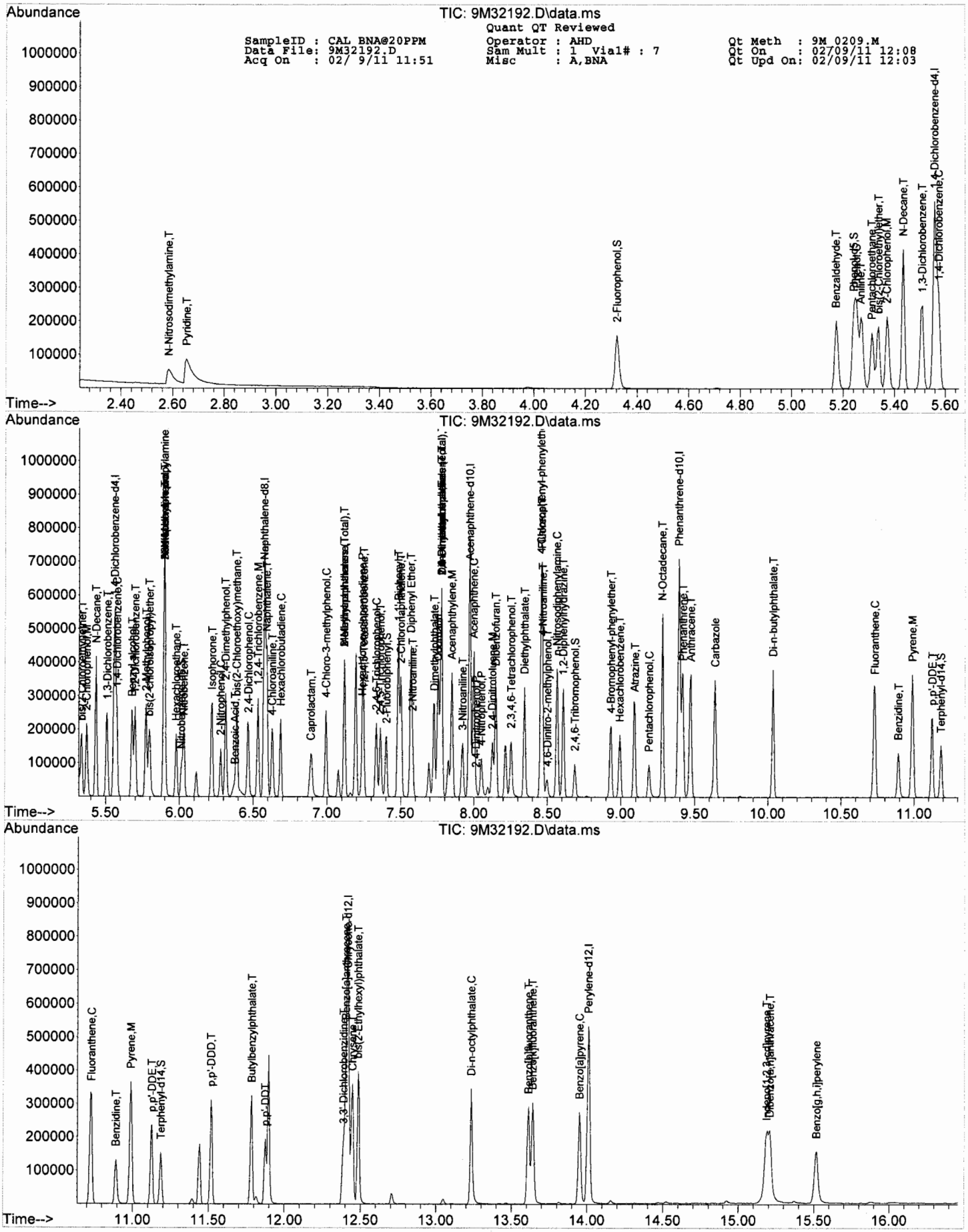
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32192.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 12:08
Acq On : 02/ 9/11 11:51 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.126	165	29600	20.32	ng	65
67)	4-Nitrophenol	8.051	65	20470	19.84	ng	95
68)	2,3,4,6-Tetrachlorophenol	8.254	232	20482	19.73	ng	93
69)	Fluorene	8.463	166	121918	20.02	ng	99
70)	4-Chlorophenyl-phenyle...	8.457	204	50002	19.78	ng	94
71)	Diethylphthalate	8.345	149	116313	19.78	ng	98
72)	4-Nitroaniline	8.468	138	32856	20.50	ng	70
73)	Atrazine	9.094	200	31954	21.01	ng	97
75)	4,6-Dinitro-2-methylph...	8.500	198	7783	17.10	ng	58
76)	n-Nitrosodiphenylamine	8.564	169	104280	20.29	ng	99
78)	1,2-Diphenylhydrazine	8.607	77	129168	19.85	ng	84
79)	4-Bromophenyl-phenylether	8.933	248	22934	19.57	ng	100
80)	Hexachlorobenzene	8.992	284	20324	19.47	ng	90
81)	N-Octadecane	9.281	57	95259	19.41	ng	86
82)	Pentachlorophenol	9.190	266	10670	16.58	ng	98
83)	Phenanthrene	9.420	178	161783	19.93	ng	99
84)	Anthracene	9.473	178	163442	19.94	ng	98
85)	Carbazole	9.639	167	165020	20.01	ng	98
86)	Di-n-butylphthalate	10.035	149	188170	19.39	ng	97
87)	Fluoranthene	10.730	202	159577	19.78	ng	98
89)	Pyrene	10.987	202	166401	19.53	ng	97
90)	Benzidine	10.891	184	58426	21.47	ng	91
92)	p,p'-DDE	11.126	246	27531	19.14	ng	90
93)	p,p'-DDD	11.517	235	56149	19.29	ng	86
94)	Butylbenzylphthalate	11.784	149	81845	19.00	ng	75
95)	p,p'-DDT	11.875	235	31274	18.98	ng	91
96)	3,3'-Dichlorobenzidine	12.388	252	33218	19.06	ng	98
97)	Benzo[a]anthracene	12.404	228	138641	19.56	ng	99
98)	Chrysene	12.447	228	135258	19.99	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.485	149	112507	19.29	ng	96
101)	Di-n-octylphthalate	13.234	149	180669	18.44	ng	100
102)	Benzo[b]fluoranthene	13.613	252	123083	20.06	ng	99
103)	Benzo[k]fluoranthene	13.640	252	115496	19.16	ng	99
104)	Benzo[a]pyrene	13.950	252	109497	18.99	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.186	276	109241	19.04	ng	91
106)	Dibenzo[a,h]anthracene	15.207	278	86733	19.42	ng	94
107)	Benzo[g,h,i]perylene	15.517	276	89588	18.77	ng	91

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


Abundance
TIC: 9M32192.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M32192.D
Acq On : 02/ 9/11 11:51
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M 0209.M
Qt On : 02/09/11 12:08
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32192.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Benzoic Acid
Bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Diphenyl Ether,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
Acenaphthene-d10,I
Dibenzofuran,T
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
4-Nitroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32192.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Benzo[a]anthracene,C
Chrysene
Bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32191.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.558	152	88132	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	357542	40.00	ng	0.00
47) Acenaphthene-d10	7.971	164	201572	40.00	ng	0.00
74) Phenanthrene-d10	9.393	188	331638	40.00	ng	0.00
88) Chrysene-d12	12.426	240	272950	40.00	ng	0.00
100) Perylene-d12	14.015	264	234692	40.00	ng	-0.01
System Monitoring Compounds						
10) 2-Fluorophenol	4.323	112	235529	82.61	ng	0.00
Spiked Amount 100.000			Recovery = 82.61%			
15) Phenol-d5	5.248	99	329179	83.24	ng	0.00
Spiked Amount 100.000			Recovery = 83.24%			
30) Nitrobenzene-d5	6.018	128	59322	39.76	ng	0.00
Spiked Amount 50.000			Recovery = 79.52%			
52) 2-Fluorobiphenyl	7.398	172	249164	38.10	ng	0.00
Spiked Amount 50.000			Recovery = 76.20%			
77) 2,4,6-Tribromophenol	8.693	330	34761	86.39	ng	0.00
Spiked Amount 100.000			Recovery = 86.39%			
91) Terphenyl-d14	11.190	244	218710	40.31	ng	0.00
Spiked Amount 50.000			Recovery = 80.62%			
Target Compounds						Qvalue
8) Pyridine	2.633	79	273392	83.00	ng	78
9) N-Nitrosodimethylamine	2.579	74	169137	85.25	ng	75
11) Benzaldehyde	5.173	77	152339	88.09	ng	80
12) Aniline	5.275	93	403136	92.60	ng	41
13) Pentachloroethane	5.312	117	78306	77.81	ng	88
14) bis(2-Chloroethyl)ether	5.344	93	252819	79.06	ng	80
16) Phenol	5.264	94	362142	82.73	ng	97
17) 2-Chlorophenol	5.377	128	256072	80.81	ng	84
18) N-Decane	5.435	57	301629	73.87	ng	86
19) 1,3-Dichlorobenzene	5.510	146	258777	78.26	ng	98
20) 1,4-Dichlorobenzene	5.574	146	262555	77.84	ng	97
21) 1,2-Dichlorobenzene	5.697	146	246569	77.79	ng	98
22) Benzyl alcohol	5.681	108	177377	82.57	ng	73
23) bis(2-chloroisopropyl)...	5.799	45	364420	78.84	ng	93
24) 2-Methylphenol	5.778	108	238868	83.84	ng	98
25) Acetophenone	5.901	105	369829	84.76	ng	72
26) Hexachloroethane	5.976	117	97478	79.19	ng	97
27) N-Nitroso-di-n-propyla...	5.906	70	191079	81.23	ng	70
28) 3&4-Methylphenol	5.906	108	247071	84.46	ng	97
31) Nitrobenzene	6.034	77	259562	78.83	ng	78
32) Isophorone	6.227	82	505556	78.95	ng	84
33) 2-Nitrophenol	6.280	139	126251	85.39	ng	90
34) 2,4-Dimethylphenol	6.318	107	252687	81.09	ng	91
35) Benzoic Acid	6.420	105	190908m	94.60	ng	
36) bis(2-Chloroethoxy)met...	6.393	93	303781	77.83	ng	94
37) 2,4-Dichlorophenol	6.468	162	196850	81.26	ng	91
38) 1,2,4-Trichlorobenzene	6.532	180	200485	77.12	ng	99
39) Naphthalene	6.596	128	754533	76.36	ng	99
40) 4-Chloroaniline	6.633	127	271435	91.95	ng	99
41) Hexachlorobutadiene	6.687	225	90764	77.85	ng	97
42) Caprolactam	6.933	113	103608	92.20	ng	70
43) 4-Chloro-3-methylphenol	6.997	107	231921	82.93	ng	83
44) 2-Methylnaphthalene	7.115	142	489350	79.15	ng	99
45) Methylnaphthalenes (To...	7.115	142	489350	79.15	ng	99
46) 1,1'-Biphenyl	7.484	154	643731	79.42	ng	95
48) 1,2,4,5-Tetrachloroben...	7.249	216	188422	79.61	ng	96
49) Hexachlorocyclopentadiene	7.238	237	91661	91.90	ng	99
50) 2,4,6-Trichlorophenol	7.334	196	122940	79.30	ng	99
51) 2,4,5-Trichlorophenol	7.366	196	131057	80.14	ng	99
53) 2-Chloronaphthalene	7.505	162	429861	74.94	ng	94
54) 1,4-Dimethylnaphthalene	7.778	156	363740	74.68	ng	91
55) Dimethylnaphthalenes (...	7.778	156	363740	74.68	ng	91
56) Diphenyl Ether	7.569	170	349756	79.73	ng	79
57) 2-Nitroaniline	7.580	65	171271	82.56	ng	67
58) Coumarin	7.767	146	193628	76.69	ng	75
59) Acenaphthylene	7.853	152	736856	76.42	ng	99
60) Dimethylphthalate	7.735	163	507984	77.25	ng	98
61) 2,6-Dinitrotoluene	7.783	165	109853	84.33	ng	68
62) Acenaphthene	8.003	153	463983	75.54	ng	96
63) 3-Nitroaniline	7.928	138	130095	87.12	ng	70
64) 2,4-Dinitrophenol	8.019	184	39034	105.18	ng	87
65) Dibenzofuran	8.152	168	630922	77.04	ng	86

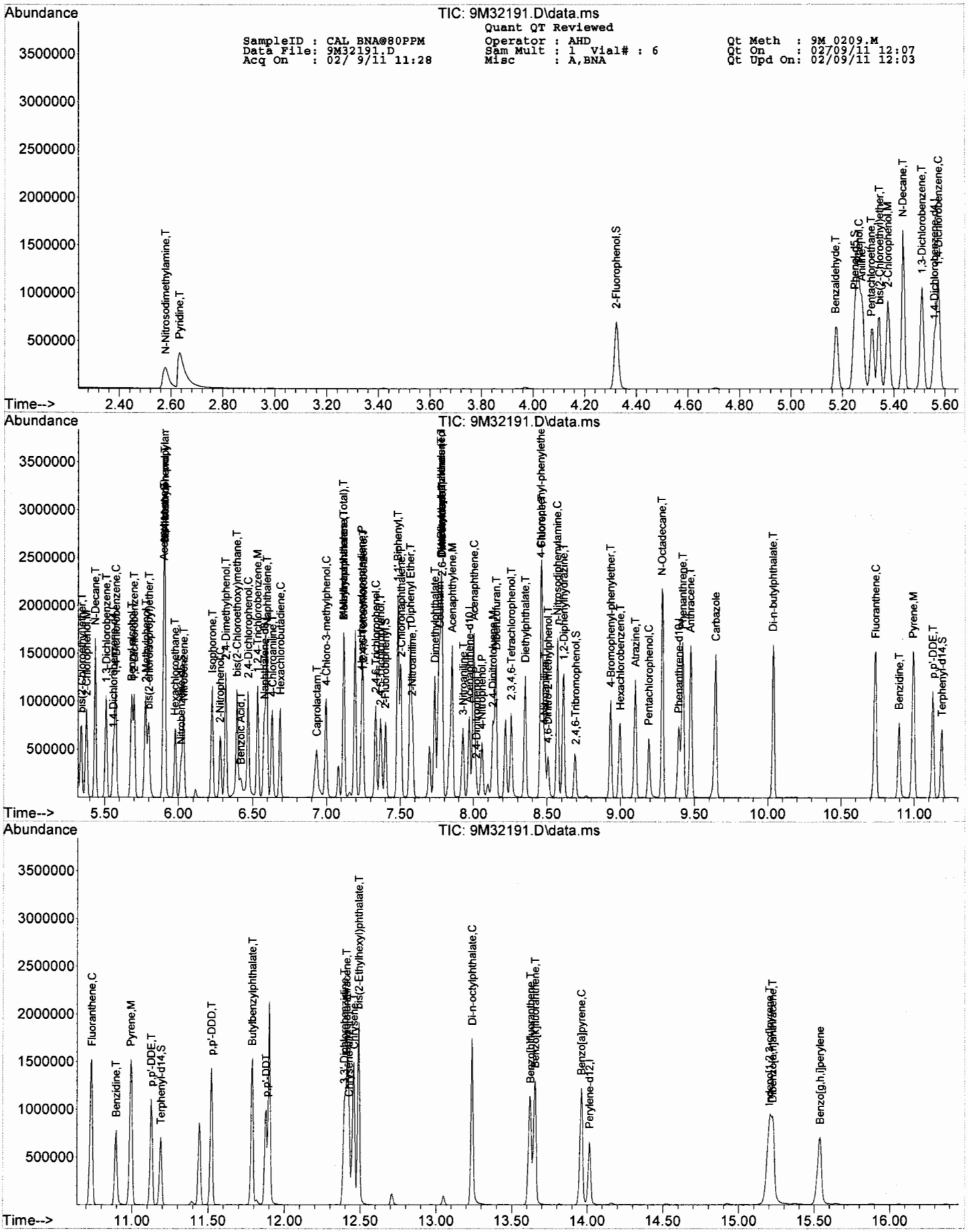
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32191.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 12:07
Acq On : 02/ 9/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.131	165	149430	91.16	ng	68
67) 4-Nitrophenol	8.056	65	102686	88.47	ng	98
68) 2,3,4,6-Tetrachlorophenol	8.254	232	97535	83.51	ng	94
69) Fluorene	8.463	166	527472	76.99	ng	99
70) 4-Chlorophenyl-phenyle...	8.457	204	216153	76.01	ng	93
71) Diethylphthalate	8.350	149	517019	78.14	ng	97
72) 4-Nitroaniline	8.484	138	150705	83.58	ng	72
73) Atrazine	9.099	200	147122	85.99	ng	96
75) 4,6-Dinitro-2-methylph...	8.505	198	59464	114.94	ng	45
76) n-Nitrosodiphenylamine	8.570	169	454988	77.91	ng	98
78) 1,2-Diphenylhydrazine	8.612	77	562698	76.07	ng	81
79) 4-Bromophenyl-phenylether	8.933	248	104244	78.26	ng	96
80) Hexachlorobenzene	8.998	284	93186	78.53	ng	85
81) N-Octadecane	9.281	57	429159	76.93	ng	84
82) Pentachlorophenol	9.190	266	64387	88.05	ng	95
83) Phenanthrene	9.420	178	699902	75.87	ng	99
84) Anthracene	9.474	178	722373	77.56	ng	100
85) Carbazole	9.645	167	735125	78.44	ng	98
86) Di-n-butylphthalate	10.035	149	889204	80.61	ng	98
87) Fluoranthene	10.736	202	741821	80.92	ng	98
89) Pyrene	10.993	202	747497	77.86	ng	98
90) Benzidine	10.896	184	334231	109.01	ng	91
92) p,p'-DDE	11.126	246	128446	79.26	ng	89
93) p,p'-DDD	11.522	235	260368	79.40	ng	86
94) Butylbenzylphthalate	11.790	149	394107	81.21	ng	76
95) p,p'-DDT	11.880	235	179126	96.51	ng	93
96) 3,3'-Dichlorobenzidine	12.394	252	174823	89.03	ng	100
97) Benzo[a]anthracene	12.410	228	623321	78.04	ng	99
98) Chrysene	12.458	228	589925	77.38	ng	98
99) bis(2-Ethylhexyl)phtha...	12.490	149	524934	79.89	ng	92
101) Di-n-octylphthalate	13.239	149	912617	80.99	ng	100
102) Benzo[b]fluoranthene	13.624	252	538577	76.34	ng	99
103) Benzo[k]fluoranthene	13.656	252	552144	79.66	ng	99
104) Benzo[a]pyrene	13.961	252	523091	78.90	ng	99
105) Indeno[1,2,3-cd]pyrene	15.202	276	524805	79.53	ng	91
106) Dibenzo[a,h]anthracene	15.223	278	408002	79.42	ng	95
107) Benzo[g,h,i]perylene	15.539	276	425227	77.46	ng	91

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


Abundance
TIC: 9M32191.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M32191.D
Acq On : 02/ 9/11 11:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 12:07
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32191.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Diphenyl Ether,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32191.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32190.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:06
Acq On : 02/ 9/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.564	152	137128	40.00	ng	0.00
29) Naphthalene-d8	6.585	136	534043	40.00	ng	0.00
47) Acenaphthene-d10	7.976	164	292635	40.00	ng	0.00
74) Phenanthrene-d10	9.404	188	471630	40.00	ng	0.00
88) Chrysene-d12	12.437	240	361280	40.00	ng	0.01
100) Perylene-d12	14.020	264	272703	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.333	112	564267	127.21	ng	0.00
Spiked Amount 100.000			Recovery = 127.21%			
15) Phenol-d5	5.264	99	751476	122.13	ng	0.02
Spiked Amount 100.000			Recovery = 122.13%			
30) Nitrobenzene-d5	6.024	128	141628	63.55	ng	0.00
Spiked Amount 50.000			Recovery = 127.10%			
52) 2-Fluorobiphenyl	7.409	172	551217	58.06	ng	0.00
Spiked Amount 50.000			Recovery = 116.12%			
77) 2,4,6-Tribromophenol	8.703	330	78115	136.51	ng	0.01
Spiked Amount 100.000			Recovery = 136.51%			
91) Terphenyl-d14	11.196	244	467080	65.04	ng	0.00
Spiked Amount 50.000			Recovery = 130.08%			
Target Compounds						Qvalue
8) Pyridine	2.643	79	651094	127.04	ng	77
9) N-Nitrosodimethylamine	2.601	74	408911	132.46	ng	76
11) Benzaldehyde	5.179	77	257002	95.52	ng	79
12) Aniline	5.286	93	890620	131.48	ng	40
13) Pentachloroethane	5.318	117	182880	116.80	ng	87
14) bis(2-Chloroethyl)ether	5.355	93	572815	115.12	ng	82
16) Phenol	5.280	94	802544	117.83	ng	82
17) 2-Chlorophenol	5.387	128	593510	120.37	ng	83
18) N-Decane	5.441	57	697321	109.76	ng	85
19) 1,3-Dichlorobenzene	5.516	146	596892	116.01	ng	97
20) 1,4-Dichlorobenzene	5.580	146	608304	115.91	ng	98
21) 1,2-Dichlorobenzene	5.703	146	567755	115.12	ng	99
22) Benzyl alcohol	5.692	108	402631	120.47	ng	72
23) bis(2-chloroisopropyl)...	5.804	45	815942	113.46	ng	95
24) 2-Methylphenol	5.783	108	549302	123.92	ng	98
25) Acetophenone	5.911	105	828141	121.99	ng	68
26) Hexachloroethane	5.981	117	229703	119.94	ng	97
27) N-Nitroso-di-n-propyla...	5.922	70	420157	114.79	ng	68
28) 3&4-Methylphenol	5.922	108	545102	119.76	ng	99
31) Nitrobenzene	6.045	77	590440	120.05	ng	77
32) Isophorone	6.238	82	1167986	122.12	ng	85
33) 2-Nitrophenol	6.291	139	298757	135.28	ng	87
34) 2,4-Dimethylphenol	6.329	107	564463	121.28	ng	93
35) Benzoic Acid	6.468	105	418121	138.71	ng	88
36) bis(2-Chloroethoxy)met...	6.403	93	679239	116.51	ng	95
37) 2,4-Dichlorophenol	6.478	162	443351	122.53	ng	91
38) 1,2,4-Trichlorobenzene	6.537	180	460256	118.54	ng	99
39) Naphthalene	6.601	128	1657153	112.28	ng	99
40) 4-Chloroaniline	6.639	127	513261	116.41	ng	100
41) Hexachlorobutadiene	6.692	225	211314	121.34	ng	97
42) Caprolactam	6.970	113	191968	114.37	ng	70
43) 4-Chloro-3-methylphenol	7.008	107	509146	121.89	ng	84
44) 2-Methylnaphthalene	7.125	142	1063299	115.14	ng	100
45) Methylnaphthalenes (To...	7.125	142	1063299	115.14	ng	100
46) 1,1'-Biphenyl	7.495	154	1387901	114.64	ng	95
48) 1,2,4,5-Tetrachloroben...	7.254	216	414293	120.57	ng	98
49) Hexachlorocyclopentadiene	7.243	237	221010	152.63	ng	100
50) 2,4,6-Trichlorophenol	7.345	196	283808	126.09	ng	100
51) 2,4,5-Trichlorophenol	7.377	196	288049	121.33	ng	99
53) 2-Chloronaphthalene	7.511	162	934310	112.19	ng	95
54) 1,4-Dimethylnaphthalene	7.789	156	772506	109.25	ng	90
55) Dimethylnaphthalenes (...	7.789	156	772506	109.25	ng	90
56) Diphenyl Ether	7.575	170	773181	121.40	ng	81
57) 2-Nitroaniline	7.596	65	373032	123.85	ng	57
58) Coumarin	7.783	146	405377	110.59	ng	75
59) Acenaphthylene	7.864	152	1579117	112.81	ng	99
60) Dimethylphthalate	7.751	163	1116548	116.95	ng	97
61) 2,6-Dinitrotoluene	7.799	165	242464	128.21	ng	63
62) Acenaphthene	8.013	153	1005166	112.73	ng	97
63) 3-Nitroaniline	7.944	138	266385	122.88	ng	69
64) 2,4-Dinitrophenol	8.029	184	103135	191.43	ng	88
65) Dibenzofuran	8.163	168	1337329	112.48	ng	87

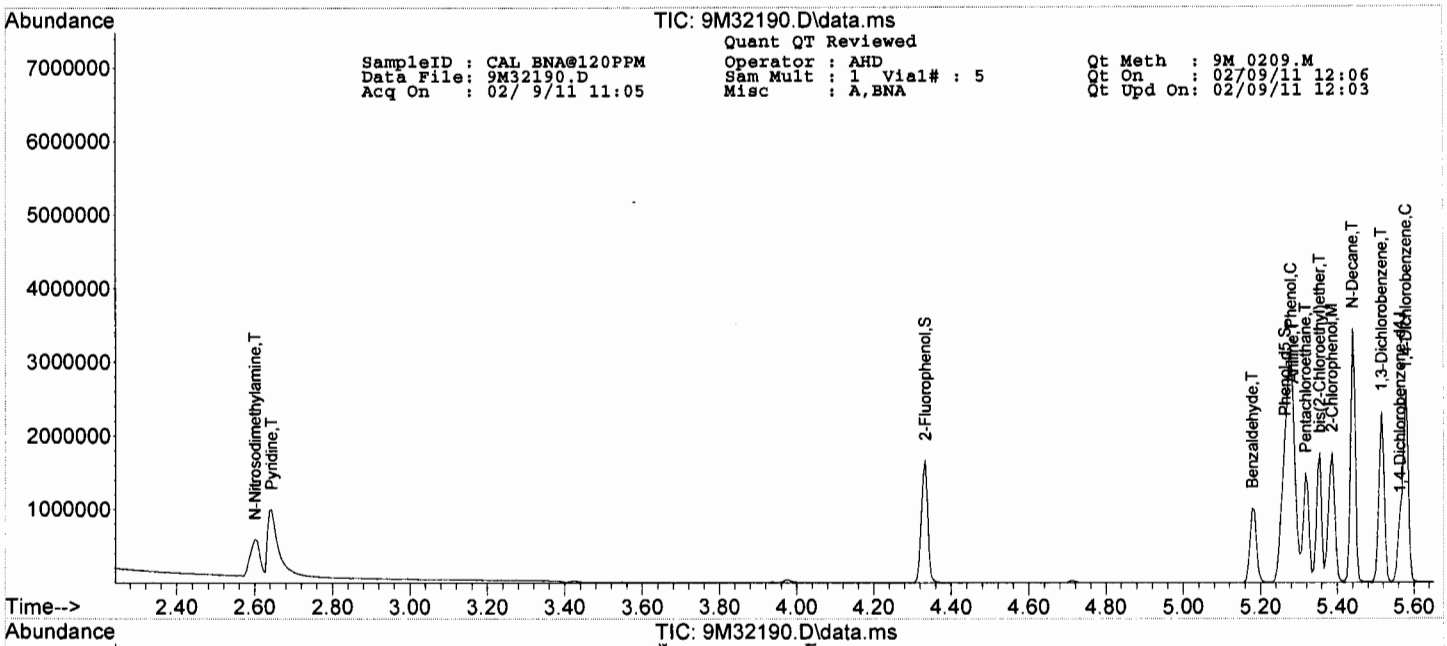
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32190.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 12:06
Acq On : 02/ 9/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.152	165	331198	139.18	ng	72
67)	4-Nitrophenol	8.078	65	224071m	132.97	ng	
68)	2,3,4,6-Tetrachlorophenol	8.270	232	213356	125.84	ng	93
69)	Fluorene	8.473	166	1117321	112.33	ng	99
70)	4-Chlorophenyl-phenyle...	8.468	204	479485	116.14	ng	91
71)	Diethylphthalate	8.366	149	1116382	116.23	ng	96
72)	4-Nitroaniline	8.511	138	322991	123.39	ng	73
73)	Atrazine	9.115	200	317895	127.98	ng	96
75)	4,6-Dinitro-2-methylph...	8.527	198	145037	197.13	ng	48
76)	n-Nitrosodiphenylamine	8.586	169	970835	116.89	ng	98
78)	1,2-Diphenylhydrazine	8.623	77	1193459	113.46	ng	80
79)	4-Bromophenyl-phenylether	8.944	248	235401	124.27	ng	96
80)	Hexachlorobenzene	9.008	284	206676	122.48	ng	82
81)	N-Octadecane	9.292	57	901385	113.62	ng	82
82)	Pentachlorophenol	9.201	266	144626	139.07	ng	97
83)	Phenanthrene	9.436	178	1485822	113.25	ng	99
84)	Anthracene	9.490	178	1524816	115.11	ng	100
85)	Carbazole	9.655	167	1541584	115.67	ng	98
86)	Di-n-butylphthalate	10.046	149	1913374	121.96	ng	98
87)	Fluoranthene	10.746	202	1587204	121.74	ng	97
89)	Pyrene	11.003	202	1558687	122.66	ng	98
90)	Benzidine	10.907	184	554251	136.57	ng	89
92)	p,p'-DDE	11.137	246	273446	127.49	ng	91
93)	p,p'-DDD	11.533	235	566268	130.46	ng	88
94)	Butylbenzylphthalate	11.800	149	826605	128.68	ng	75
95)	p,p'-DDT	11.886	235	397215	161.69	ng	93
96)	3,3'-Dichlorobenzidine	12.405	252	335359	129.03	ng	99
97)	Benzo[a]anthracene	12.426	228	1274466	120.55	ng	100
98)	Chrysene	12.469	228	1195931	118.52	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.496	149	1092647	125.63	ng	91
101)	Di-n-octylphthalate	13.244	149	1917014	146.40	ng	100
102)	Benzo[b]fluoranthene	13.635	252	1135784	138.54	ng	98
103)	Benzo[k]fluoranthene	13.667	252	933778	115.94	ng	99
104)	Benzo[a]pyrene	13.972	252	963620	125.09	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.213	276	852293	111.16	ng	92
106)	Dibenzo[a,h]anthracene	15.239	278	674422	112.99	ng	97
107)	Benzo[g,h,i]perylene	15.555	276	684180	107.26	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed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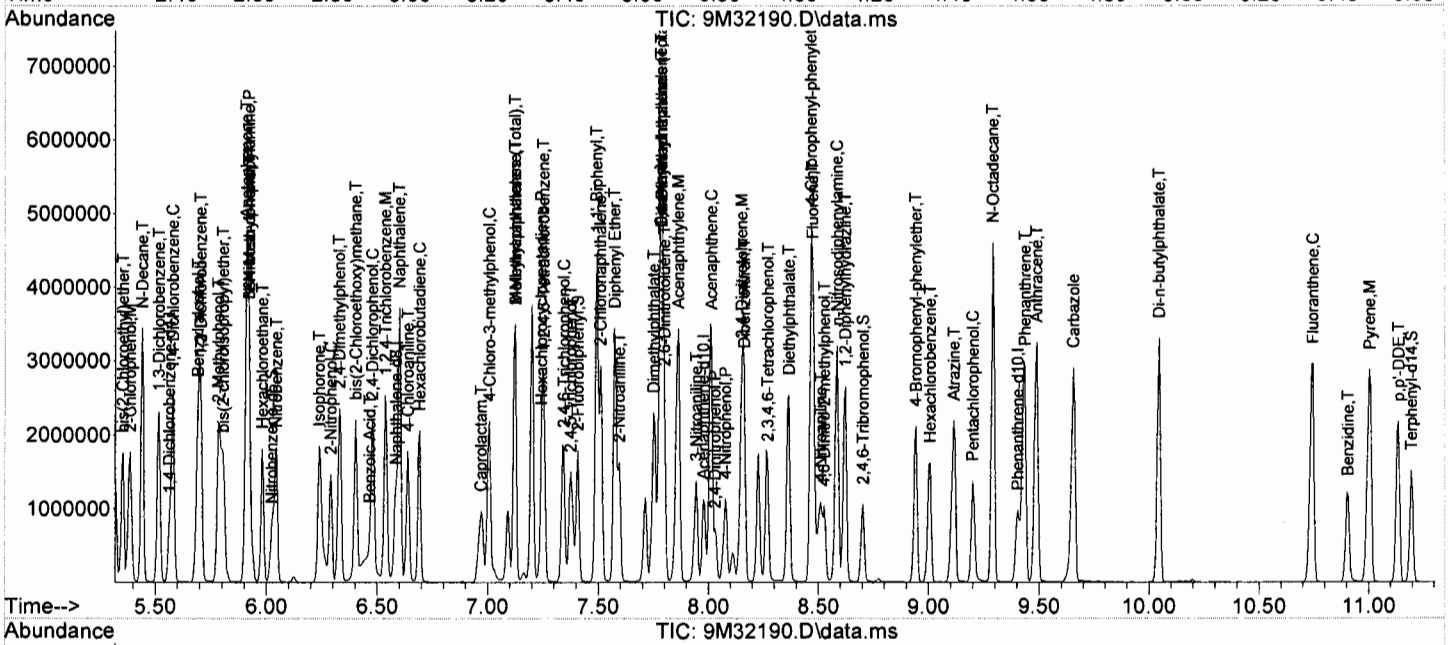
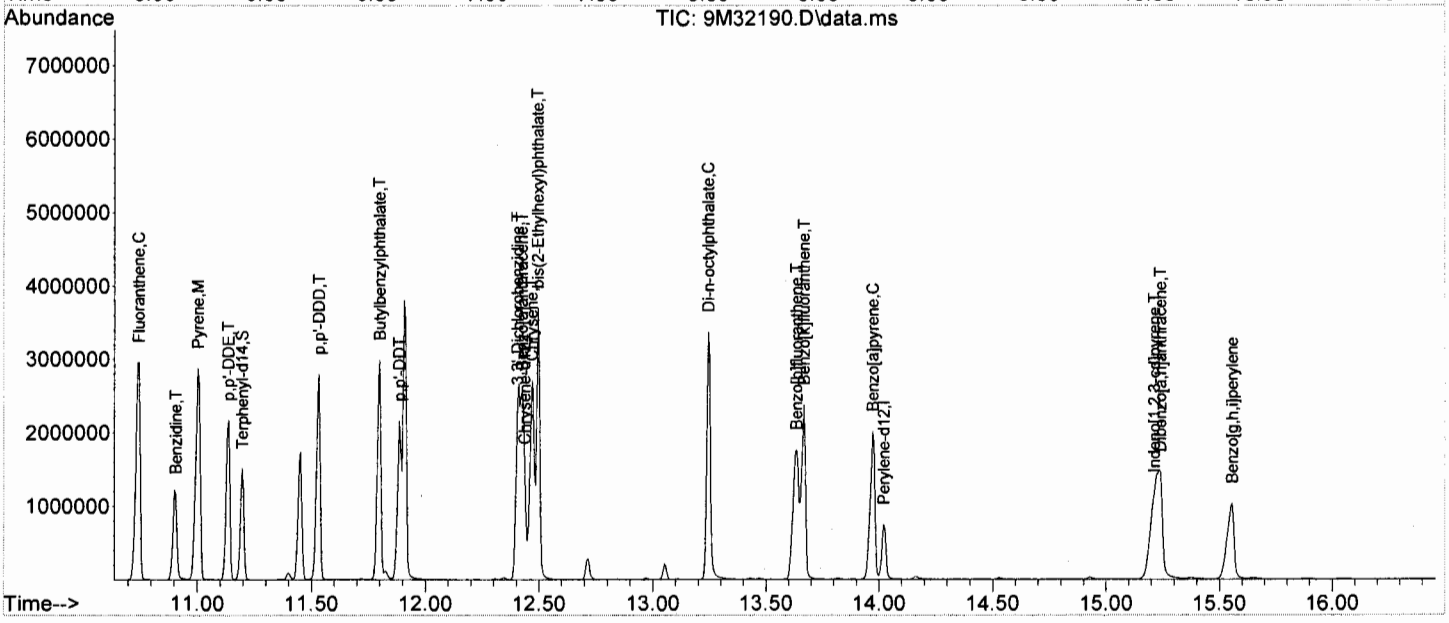
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M32190.D
Acq On : 02/ 9/11 11:05
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M 0209.M
Qt On : 02/09/11 12:06
Qt Upd On: 02/09/11 12:03
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 9M32190.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,T
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Nitrophenol,P
2,4-Dinitrophenol,P
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32190.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32189.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 10:38 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.564	152	79250	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	313216	40.00	ng	0.00
47) Acenaphthene-d10	7.970	164	179527	40.00	ng	0.00
74) Phenanthrene-d10	9.399	188	294440	40.00	ng	0.00
88) Chrysene-d12	12.431	240	234583	40.00	ng	0.00
100) Perylene-d12	14.031	264	196771	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.328	112	447299	174.48	ng	0.00
Spiked Amount 100.000			Recovery = 174.48%			
15) Phenol-d5	5.259	99	604936	170.12	ng	0.01
Spiked Amount 100.000			Recovery = 170.12%			
30) Nitrobenzene-d5	6.024	128	111126	85.02	ng	0.00
Spiked Amount 50.000			Recovery = 170.04%			
52) 2-Fluorobiphenyl	7.404	172	451142	77.46	ng	0.00
Spiked Amount 50.000			Recovery = 154.92%			
77) 2,4,6-Tribromophenol	8.698	330	64758	181.27	ng	0.00
Spiked Amount 100.000			Recovery = 181.27%			
91) Terphenyl-d14	11.196	244	401466	86.10	ng	0.00
Spiked Amount 50.000			Recovery = 172.20%			
Target Compounds						Qvalue
8) Pyridine	2.627	79	515978	174.20	ng	78
9) N-Nitrosodimethylamine	2.584	74	319929	179.32	ng	75
11) Benzaldehyde	5.178	77	152409	98.01	ng	77
12) Aniline	5.280	93	713874	182.35	ng	40
13) Pentachloroethane	5.318	117	145172	160.43	ng	88
14) bis(2-Chloroethyl)ether	5.350	93	458590	159.48	ng	81
16) Phenol	5.269	94	656580	166.81	ng	95
17) 2-Chlorophenol	5.382	128	477441	167.55	ng	84
18) N-Decane	5.441	57	548644	149.42	ng	85
19) 1,3-Dichlorobenzene	5.515	146	474168	159.47	ng	98
20) 1,4-Dichlorobenzene	5.574	146	477848	157.55	ng	98
21) 1,2-Dichlorobenzene	5.703	146	447993	157.18	ng	99
22) Benzyl alcohol	5.687	108	324670	168.08	ng	73
23) bis(2-chloroisopropyl)...	5.799	45	650219	156.44	ng	94
24) 2-Methylphenol	5.783	108	440273	171.86	ng	99
25) Acetophenone	5.906	105	664449	169.36	ng	68
26) Hexachloroethane	5.981	117	179821	162.46	ng	94
27) N-Nitroso-di-n-propyla...	5.911	70	338433	159.99	ng	71
28) 3&4-Methylphenol	5.917	108	439947	167.25	ng	100
31) Nitrobenzene	6.040	77	471151	163.34	ng	78
32) Isophorone	6.232	82	930880	165.94	ng	85
33) 2-Nitrophenol	6.286	139	234582	181.11	ng	88
34) 2,4-Dimethylphenol	6.323	107	461261	168.98	ng	93
35) Benzoic Acid	6.451	105	383967m	217.18	ng	
36) bis(2-Chloroethoxy)met...	6.398	93	543679	159.01	ng	95
37) 2,4-Dichlorophenol	6.478	162	355363	167.45	ng	88
38) 1,2,4-Trichlorobenzene	6.537	180	363250	159.51	ng	99
39) Naphthalene	6.596	128	1345623	155.45	ng	99
40) 4-Chloroaniline	6.633	127	385442	149.05	ng	100
41) Hexachlorobutadiene	6.687	225	168358	164.83	ng	96
42) Caprolactam	6.960	113	163009	165.59	ng	71
43) 4-Chloro-3-methylphenol	7.002	107	420733	171.74	ng	84
44) 2-Methylnaphthalene	7.120	142	867753	160.21	ng	100
45) Methylnaphthalenes (To...	7.120	142	867753	160.21	ng	100
46) 1,1'-Biphenyl	7.489	154	1143371	161.02	ng	95
48) 1,2,4,5-Tetrachloroben...	7.248	216	336568	159.66	ng	97
49) Hexachlorocyclopentadiene	7.243	237	176888	199.12	ng	99
50) 2,4,6-Trichlorophenol	7.339	196	233617	169.19	ng	100
51) 2,4,5-Trichlorophenol	7.371	196	238748	163.93	ng	99
53) 2-Chloronaphthalene	7.505	162	771267	150.96	ng	96
54) 1,4-Dimethylnaphthalene	7.783	156	639941	147.52	ng	91
55) Dimethylnaphthalenes (...	7.783	156	639941	147.52	ng	91
56) Diphenyl Ether	7.569	170	628244	160.80	ng	83
57) 2-Nitroaniline	7.591	65	307629	166.49	ng	56
58) Coumarin	7.778	146	342933	152.50	ng	75
59) Acenaphthylene	7.858	152	1316121	153.26	ng	100
60) Dimethylphthalate	7.746	163	923960	157.75	ng	98
61) 2,6-Dinitrotoluene	7.794	165	199104	171.61	ng	59
62) Acenaphthene	8.003	153	837822	153.16	ng	97
63) 3-Nitroaniline	7.938	138	213944	160.86	ng	72
64) 2,4-Dinitrophenol	8.024	184	86733	262.41	ng	90
65) Dibenzofuran	8.158	168	1121376	153.74	ng	87

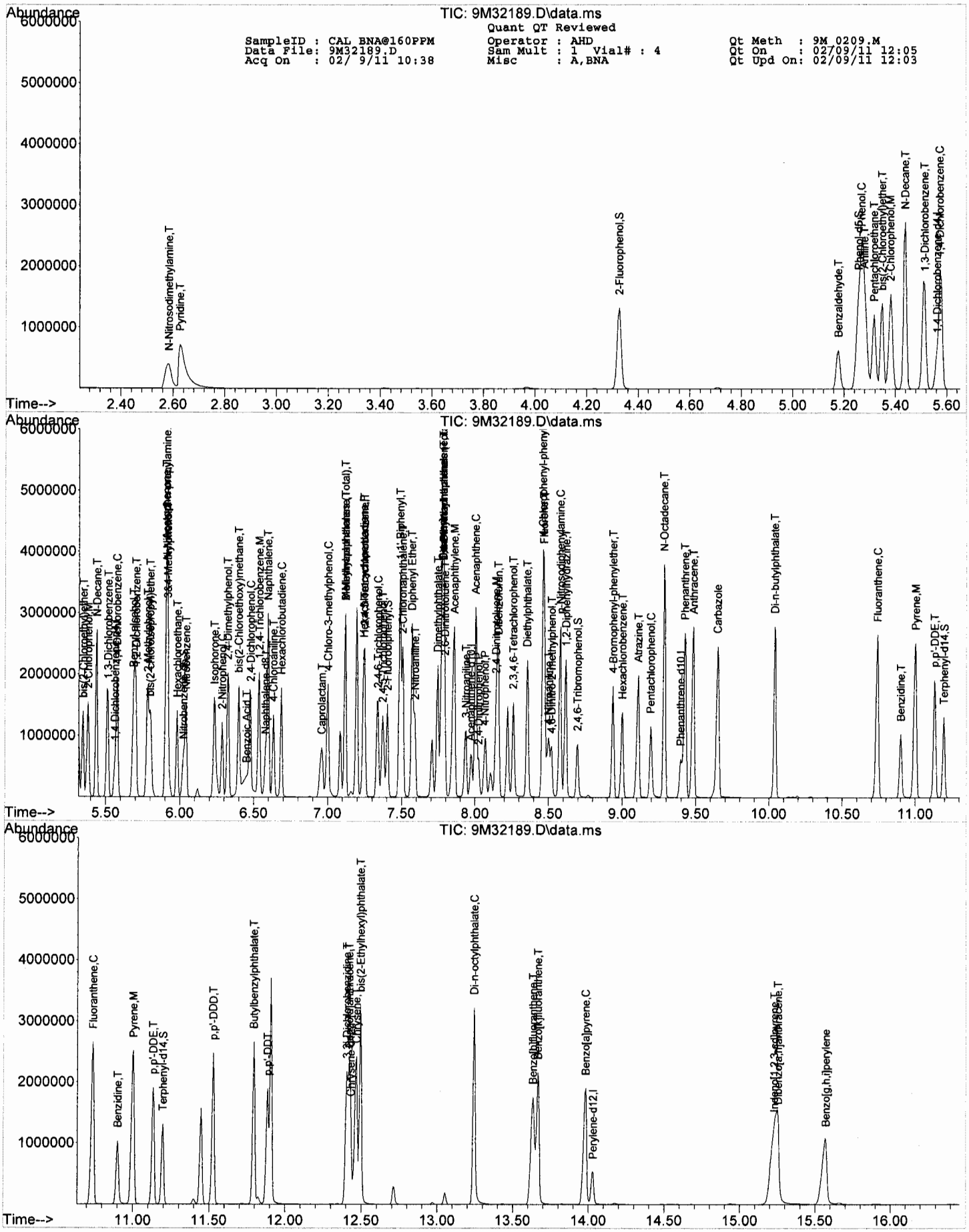
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32189.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 12:05
Acq On : 02/ 9/11 10:38 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.142	165	277180	189.87	ng	72
67)	4-Nitrophenol	8.067	65	194003	187.67	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.259	232	178071	171.20	ng	93
69)	Fluorene	8.468	166	942113	154.39	ng	99
70)	4-Chlorophenyl-phenyle...	8.463	204	393532	155.38	ng	92
71)	Diethylphthalate	8.356	149	932411	158.23	ng	97
72)	4-Nitroaniline	8.500	138	279273	173.91	ng	73
73)	Atrazine	9.110	200	268124	175.95	ng	96
75)	4,6-Dinitro-2-methylph...	8.521	198	125460	273.14	ng	52
76)	n-Nitrosodiphenylamine	8.580	169	813645	156.92	ng	99
78)	1,2-Diphenylhydrazine	8.618	77	1006554	153.27	ng	80
79)	4-Bromophenyl-phenylether	8.939	248	192386	162.68	ng	98
80)	Hexachlorobenzene	9.003	284	169725	161.11	ng	85
81)	N-Octadecane	9.286	57	756854	152.82	ng	83
82)	Pentachlorophenol	9.195	266	125864	193.86	ng	96
83)	Phenanthrene	9.425	178	1263397	154.25	ng	99
84)	Anthracene	9.484	178	1298312	157.00	ng	100
85)	Carbazole	9.650	167	1326239	159.39	ng	98
86)	Di-n-butylphthalate	10.040	149	1628401	166.26	ng	98
87)	Fluoranthene	10.741	202	1344334	165.16	ng	100
89)	Pyrene	11.003	202	1342718	162.73	ng	96
90)	Benzidine	10.902	184	459396	174.33	ng	91
92)	p,p'-DDE	11.132	246	234114	168.10	ng	90
93)	p,p'-DDD	11.527	235	481633	170.89	ng	87
94)	Butylbenzylphthalate	11.795	149	714917	171.40	ng	79
95)	p,p'-DDT	11.886	235	348200	218.29	ng	93
96)	3,3'-Dichlorobenzidine	12.405	252	280913	166.45	ng	98
97)	Benzo[a]anthracene	12.421	228	1127284	164.22	ng	99
98)	Chrysene	12.469	228	1047632	159.90	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.495	149	953528	168.85	ng	91
101)	Di-n-octylphthalate	13.244	149	1679875	177.80	ng	100
102)	Benzo[b]fluoranthene	13.635	252	1034193	174.83	ng	98
103)	Benzo[k]fluoranthene	13.667	252	915243	157.49	ng	99
104)	Benzo[a]pyrene	13.982	252	939116	168.96	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.229	276	929978	168.10	ng	69
106)	Dibenzo[a,h]anthracene	15.255	278	726106	168.59	ng	98
107)	Benzo[g,h,i]perylene	15.571	276	758435	164.79	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M32189.D
Acq On : 02/ 9/11 10:38
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 12:05
Qt Upd On: 02/09/11 12:03
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d6,S
Aniline,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
TIC: 9M32189.D\data.ms
Abundance
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Diphenyl Ether,T
Acenaphthene,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
TIC: 9M32189.D\data.ms
Abundance
Time-->
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32188.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 10:15 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.564	152	78479	40.00	ng	0.00
29) Naphthalene-d8	6.580	136	315500	40.00	ng	0.00
47) Acenaphthene-d10	7.971	164	179368	40.00	ng	0.00
74) Phenanthrene-d10	9.399	188	301531	40.00	ng	0.00
88) Chrysene-d12	12.437	240	238812	40.00	ng	0.01
100) Perylene-d12	14.025	264	198861	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.328	112	536038	211.15	ng	0.00
Spiked Amount 100.000			Recovery = 211.15%			
15) Phenol-d5	5.259	99	711948	202.18	ng	0.01
Spiked Amount 100.000			Recovery = 202.18%			
30) Nitrobenzene-d5	6.024	128	133568	101.45	ng	0.00
Spiked Amount 50.000			Recovery = 202.90%			
52) 2-Fluorobiphenyl	7.404	172	541341	93.02	ng	0.00
Spiked Amount 50.000			Recovery = 186.04%			
77) 2,4,6-Tribromophenol	8.698	330	79428	217.10	ng	0.00
Spiked Amount 100.000			Recovery = 217.10%			
91) Terphenyl-d14	11.196	244	485777	102.34	ng	0.00
Spiked Amount 50.000			Recovery = 204.68%			
Target Compounds						Qvalue
8) Pyridine	2.627	79	628098	214.14	ng	78
9) N-Nitrosodimethylamine	2.584	74	385689	218.30	ng	75
11) Benzaldehyde	5.179	77	142275	92.39	ng	74
12) Aniline	5.286	93	837032	215.91	ng	40
13) Pentachloroethane	5.318	117	169037	188.64	ng	88
14) bis(2-Chloroethyl)ether	5.350	93	533389	187.31	ng	83
16) Phenol	5.275	94	768687	197.21	ng	88
17) 2-Chlorophenol	5.387	128	556066	197.05	ng	82
18) N-Decane	5.441	57	638524	175.61	ng	84
19) 1,3-Dichlorobenzene	5.516	146	554923	188.46	ng	98
20) 1,4-Dichlorobenzene	5.580	146	562630	187.32	ng	97
21) 1,2-Dichlorobenzene	5.703	146	526966	186.70	ng	98
22) Benzyl alcohol	5.692	108	381360	199.37	ng	72
23) bis(2-chloroisopropyl)...	5.804	45	759471	184.53	ng	95
24) 2-Methylphenol	5.783	108	521040	205.38	ng	99
25) Acetophenone	5.906	105	781776	201.22	ng	67
26) Hexachloroethane	5.981	117	211466	192.93	ng	94
27) N-Nitroso-di-n-propyla...	5.917	70	401426	191.63	ng	69
28) 3&4-Methylphenol	5.917	108	514891	197.67	ng	98
31) Nitrobenzene	6.040	77	561914	193.39	ng	80
32) Isophorone	6.238	82	1118590	197.96	ng	85
33) 2-Nitrophenol	6.286	139	277102	212.39	ng	90
34) 2,4-Dimethylphenol	6.329	107	547650	199.17	ng	92
35) Benzoic Acid	6.468	105	429142	240.98	ng	87
36) bis(2-Chloroethoxy)met...	6.403	93	644653	187.18	ng	94
37) 2,4-Dichlorophenol	6.478	162	421028	196.96	ng	90
38) 1,2,4-Trichlorobenzene	6.537	180	433025	188.78	ng	99
39) Naphthalene	6.596	128	1584356	181.71	ng	99
40) 4-Chloroaniline	6.633	127	407875	156.58	ng	100
41) Hexachlorobutadiene	6.687	225	199102	193.52	ng	97
42) Caprolactam	6.970	113	196418	198.08	ng	70
43) 4-Chloro-3-methylphenol	7.002	107	506637	205.30	ng	86
44) 2-Methylnaphthalene	7.120	142	1020783	187.10	ng	99
45) Methylnaphthalenes (To...	7.120	142	1020783	187.10	ng	99
46) 1,1'-Biphenyl	7.489	154	1345794	188.16	ng	95
48) 1,2,4,5-Tetrachloroben...	7.248	216	394841	187.47	ng	97
49) Hexachlorocyclopentadiene	7.243	237	211780	238.61	ng	99
50) 2,4,6-Trichlorophenol	7.339	196	276314	200.29	ng	100
51) 2,4,5-Trichlorophenol	7.372	196	289595	199.01	ng	98
53) 2-Chloronaphthalene	7.505	162	917059	179.66	ng	96
54) 1,4-Dimethylnaphthalene	7.783	156	748354	172.66	ng	91
55) Dimethylnaphthalenes (...	7.783	156	748354	172.66	ng	91
56) Diphenyl Ether	7.569	170	748633	191.78	ng	83
57) 2-Nitroaniline	7.591	65	368688	199.71	ng	58
58) Coumarin	7.778	146	403063	179.40	ng	75
59) Acenaphthylene	7.858	152	1563977	182.29	ng	99
60) Dimethylphthalate	7.751	163	1105796	188.97	ng	98
61) 2,6-Dinitrotoluene	7.794	165	237596	204.97	ng	66
62) Acenaphthene	8.008	153	996493	182.33	ng	97
63) 3-Nitroaniline	7.938	138	254443	191.48	ng	67
64) 2,4-Dinitrophenol	8.029	184	109411	331.31	ng	81
65) Dibenzofuran	8.158	168	1327810	182.20	ng	88

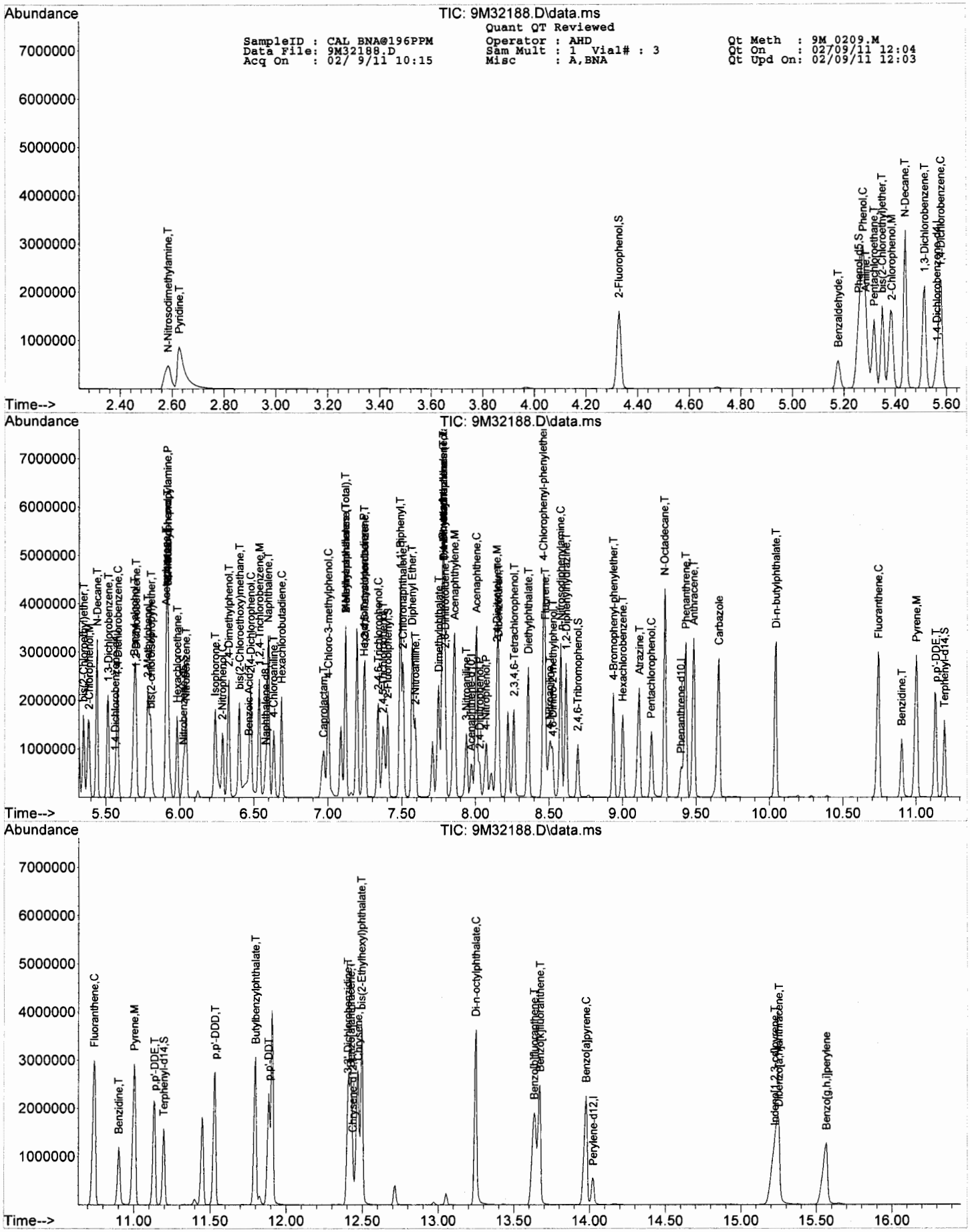
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32188.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 12:04
Acq On : 02/ 9/11 10:15 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.147	165	333137	228.40 ng	74
67) 4-Nitrophenol	8.072	65	236282	228.77 ng	100
68) 2,3,4,6-Tetrachlorophenol	8.265	232	216174	208.01 ng	93
69) Fluorene	8.473	166	1117946	183.37 ng	99
70) 4-Chlorophenyl-phenyle...	8.463	204	467091	184.58 ng	93
71) Diethylphthalate	8.361	149	1116492	189.64 ng	96
72) 4-Nitroaniline	8.505	138	337238	210.19 ng	73
73) Atrazine	9.115	200	322846	212.05 ng	96
75) 4,6-Dinitro-2-methylph...	8.527	198	156437	332.58 ng	53
76) n-Nitrosodiphenylamine	8.580	169	969975	182.67 ng	99
78) 1,2-Diphenylhydrazine	8.618	77	1212145	180.24 ng	82
79) 4-Bromophenyl-phenylether	8.939	248	232298	191.82 ng	95
80) Hexachlorobenzene	9.003	284	205147	190.15 ng	88
81) N-Octadecane	9.286	57	893359	176.14 ng	82
82) Pentachlorophenol	9.195	266	149795	225.29 ng	99
83) Phenanthrene	9.431	178	1510924	180.13 ng	100
84) Anthracene	9.484	178	1553076	183.39 ng	99
85) Carbazole	9.655	167	1596806	187.39 ng	98
86) Di-n-butylphthalate	10.046	149	1949056	194.32 ng	98
87) Fluoranthene	10.741	202	1624419	194.88 ng	99
89) Pyrene	11.003	202	1608361	191.47 ng	98
90) Benzidine	10.902	184	533170	198.75 ng	91
92) p,p'-DDE	11.137	246	284047	200.34 ng	90
93) p,p'-DDD	11.533	235	583747	203.45 ng	87
94) Butylbenzylphthalate	11.800	149	868629	204.57 ng	76
95) p,p'-DDT	11.886	235	430282	264.97 ng	93
96) 3,3'-Dichlorobenzidine	12.405	252	325747	189.60 ng	99
97) Benzo[a]anthracene	12.426	228	1361604	194.84 ng	100
98) Chrysene	12.474	228	1273162	190.88 ng	98
99) bis(2-Ethylhexyl)phtha...	12.496	149	1150250	200.08 ng	90
101) Di-n-octylphthalate	13.250	149	2042790	213.94 ng	100
102) Benzo[b]fluoranthene	13.635	252	1242541	207.85 ng	99
103) Benzo[k]fluoranthene	13.672	252	1107020	188.48 ng	99
104) Benzo[a]pyrene	13.977	252	1124642	200.21 ng	99
105) Indeno[1,2,3-cd]pyrene	15.223	276	1095138	195.87 ng	67
106) Dibenzo[a,h]anthracene	15.250	278	856495	196.77 ng	98
107) Benzo[g,h,i]perylene	15.566	276	898434	193.16 ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 9M32188.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M32188.D
Acq On : 02/ 9/11 10:15
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02709/11 12:04
Qt Upd On: 02/09/11 12:03
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32195.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:42
Acq On : 02/ 9/11 13:00 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.558	152	85533	40.00 ng	0.00
29) Naphthalene-d8	6.575	136	344478	40.00 ng	0.00
47) Acenaphthene-d10	7.965	164	191009	40.00 ng	-0.01
74) Phenanthrene-d10	9.388	188	314722	40.00 ng	-0.01
88) Chrysene-d12	12.415	240	256626	40.00 ng	-0.01
100) Perylene-d12	14.009	264	218278	40.00 ng	-0.02
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.772	108	1301	0.47 ng	91
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.901	108	1337	0.47 ng	92
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.313	107	1239	0.41 ng	86
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.591	128	5085	0.53 ng	99
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D. d	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.142	168	4040	0.52 ng	90

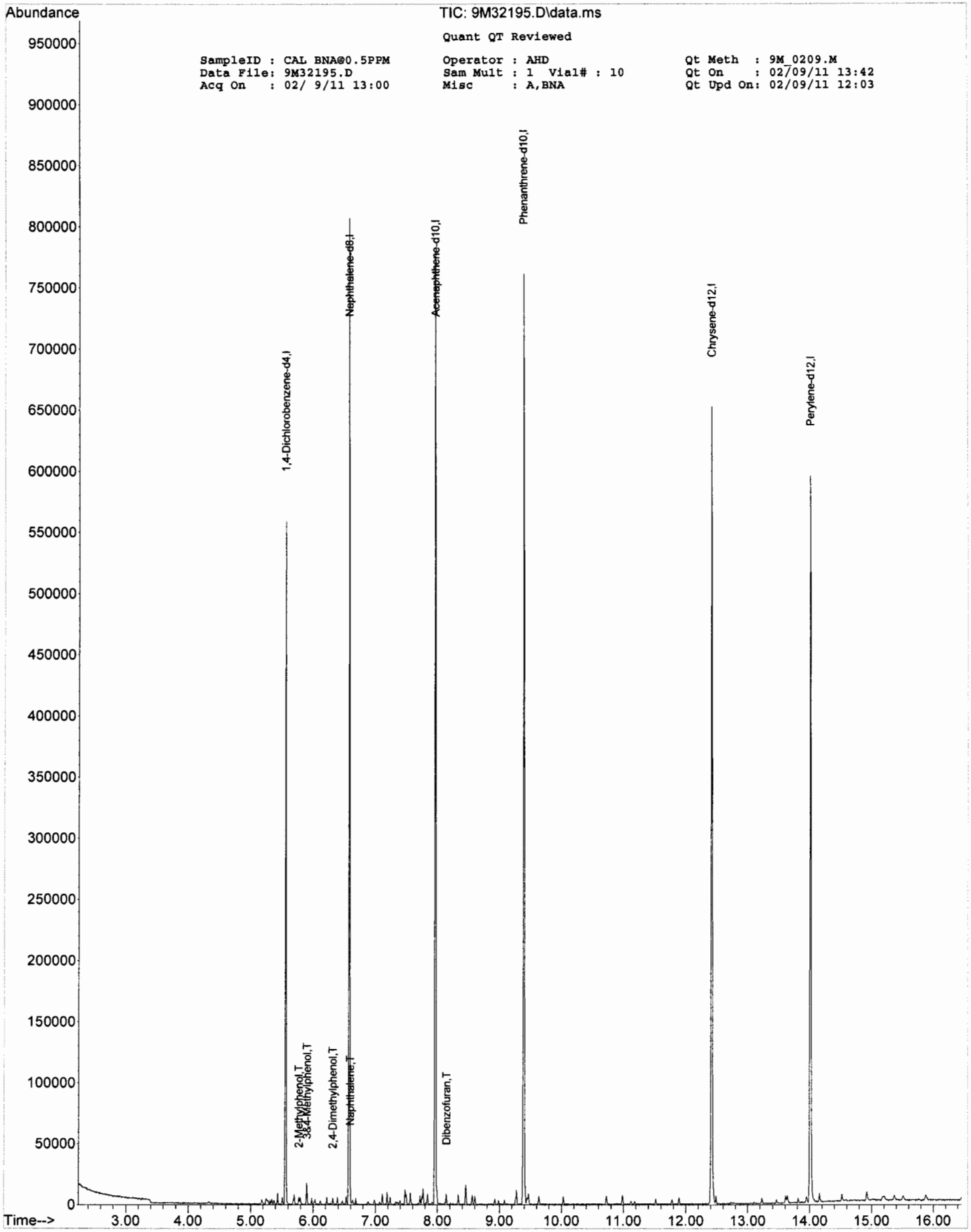
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32195.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:42
Acq On : 02/ 9/11 13:00 Misc : A,BNA Qt Upd On: 02/09/11 12:03

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
67) 4-Nitrophenol	0.000		0	N.D.	d	
68) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	d	
69) Fluorene	0.000		0	N.D.	d	
70) 4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71) Diethylphthalate	0.000		0	N.D.	d	
72) 4-Nitroaniline	0.000		0	N.D.	d	
73) Atrazine	0.000		0	N.D.	d	
75) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78) 1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79) 4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80) Hexachlorobenzene	0.000		0	N.D.	d	
81) N-Octadecane	0.000		0	N.D.	d	
82) Pentachlorophenol	0.000		0	N.D.		
83) Phenanthrene	0.000		0	N.D.	d	
84) Anthracene	0.000		0	N.D.	d	
85) Carbazole	0.000		0	N.D.	d	
86) Di-n-butylphthalate	0.000		0	N.D.	d	
87) Fluoranthene	0.000		0	N.D.	d	
89) Pyrene	0.000		0	N.D.	d	
90) Benzidine	0.000		0	N.D.	d	
92) p,p'-DDE	0.000		0	N.D.	d	
93) p,p'-DDD	0.000		0	N.D.	d	
94) Butylbenzylphthalate	0.000		0	N.D.	d	
95) p,p'-DDT	0.000		0	N.D.	d	
96) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97) Benzo[a]anthracene	0.000		0	N.D.	d	
98) Chrysene	0.000		0	N.D.	d	
99) bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101) Di-n-octylphthalate	0.000		0	N.D.	d	
102) Benzo[b]fluoranthene	0.000		0	N.D.	d	
103) Benzo[k]fluoranthene	0.000		0	N.D.	d	
104) Benzo[a]pyrene	0.000		0	N.D.	d	
105) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 9M32195.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 9M32195.D
Acq On : 02/ 9/11 13:00
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/09/11 13:42
Qt Upd On: 02/09/11 12:03
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0230

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32490.	CAL BNA@50PPM	02/28/11 10:32	2	9M32491.	CAL BNA@2PPM	02/28/11 10:55
3	9M32493.	CAL BNA@10PPM	02/28/11 11:42	4	9M32494.	CAL BNA@20PPM	02/28/11 12:05
5	9M32495.	CAL BNA@80PPM	02/28/11 12:29	6	9M32496.	CAL BNA@120PPM	02/28/11 12:52
7	9M32497.	CAL BNA@160PPM	02/28/11 13:33	8	9M32498.	CAL BNA@196PPM	02/28/11 13:57
9	9M32492.	CAL BNA@.5PPM	02/28/11 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.6949	1.0729	1.5426	1.4781	1.7842	1.7557	1.7246	1.6836	-----	1.59	2.57	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.0052	0.6451	0.9849	0.8741	1.0791	1.0635	1.0545	1.0333	-----	0.968	2.51	0.997	0.997	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3533	1.0067	1.1987	1.1826	1.4566	1.4608	1.4463	1.4114	-----	1.31	4.28	0.999	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0054	0.8960	1.0459	0.9569	0.9301	0.8112	0.6216	0.5243	-----	0.849	5.13	0.896	0.997	22		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	LinF	2.1878	1.5055	1.7611	2.0054	2.4474	2.3887	2.2950	2.1996	-----	2.10	5.23	0.996	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4408	0.4232	0.4465	0.4136	0.4600	0.4589	0.4429	0.4315	-----	0.440	5.26	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5132	1.5096	1.6378	1.4209	1.5828	1.5376	1.4836	1.4489	-----	1.52	5.29	0.998	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.8898	1.7311	1.8354	1.7286	2.0178	1.9735	1.9217	1.8755	-----	1.87	5.21	0.999	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1132	1.8137	2.0832	1.9468	2.2260	2.1616	2.0855	2.0632	-----	2.06	5.22	0.999	1.00	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4954	1.3132	1.5159	1.3927	1.5658	1.5440	1.5149	1.4992	-----	1.48	5.33	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6980	1.6898	1.7928	1.6027	1.7817	1.6933	1.6243	1.5684	-----	1.68	5.39	0.998	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.5224	1.5480	1.5946	1.4460	1.5811	1.5560	1.4986	1.4731	-----	1.53	5.46	0.999	1.00	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.5435	1.6483	1.6407	1.4585	1.6057	1.5718	1.5215	1.4972	-----	1.56	5.53	0.999	1.00	4.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4285	1.5199	1.5432	1.4085	1.5003	1.4657	1.4152	1.3767	-----	1.46	5.65	0.998	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0022	0.8608	0.9976	0.9397	1.0762	1.0582	1.0257	1.0063	-----	0.996	5.63	0.999	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.2247	2.3265	2.4363	2.1952	2.3383	2.2488	2.1304	2.0884	-----	2.25	5.75	0.997	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3842	1.3137	1.4312	1.3180	1.4499	1.4375	1.3835	1.3683	1.2047	1.37	5.73	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0264	2.0679	2.2108	1.9558	2.1259	2.0555	1.9895	1.9621	-----	2.05	5.85	0.999	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5810	0.5527	0.6067	0.5458	0.6102	0.5984	0.5823	0.5805	-----	0.582	5.93	0.999	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1247	1.1454	1.2107	1.0927	1.1789	1.1383	1.0944	1.0832	-----	1.13	5.85	0.999	1.00	3.9	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4226	1.3947	1.5110	1.3888	1.4833	1.4367	1.3819	1.3793	1.2699	1.41	5.86	0.999	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1693	0.1402	0.1561	0.1534	0.1849	0.1813	0.1803	0.1746	-----	0.168	5.97	0.999	0.999	9.5		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3854	0.3607	0.3893	0.3490	0.4109	0.3988	0.3889	0.3752	-----	0.382	5.99	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7382	0.6922	0.7581	0.6904	0.7881	0.7613	0.7577	0.7330	-----	0.740	6.18	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1791	0.1270	0.1591	0.1563	0.1949	0.1932	0.1932	0.1894	-----	0.174	6.24	0.999	0.999	14	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3698	0.3267	0.3624	0.3407	0.3876	0.3745	0.3669	0.3514	0.3570	0.360	6.27	0.998	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2199	-----	0.0874	0.1267	0.2658	0.2913	0.3072	0.3070	-----	0.229	6.38	0.995	0.998	39		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4419	0.4224	0.4636	0.4270	0.4753	0.4480	0.4416	0.4250	-----	0.443	6.34	0.998	0.999	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2729	0.2256	0.2565	0.2496	0.2865	0.2805	0.2773	0.2694	-----	0.265	6.42	0.999	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2849	0.2948	0.2982	0.2624	0.2987	0.2895	0.2868	0.2767	-----	0.287	6.48	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0993	1.1454	1.1788	1.0402	1.1519	1.0995	1.0719	1.0265	1.3136	1.13	6.55	0.998	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.3886	0.2880	0.3197	0.3515	0.4110	0.3619	0.3071	0.2614	-----	0.336	6.59	0.969	0.995	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1264	0.1228	0.1311	0.1189	0.1334	0.1311	0.1298	0.1282	-----	0.128	6.64	1.00	1.00	3.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1358	0.0934	0.1237	0.1224	0.1432	0.1188	0.1523	0.1228	-----	0.127	6.87	0.988	0.989	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3285	0.2767	0.3113	0.2953	0.3518	0.3414	0.3385	0.3269	-----	0.321	6.95	0.999	0.999	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6885	0.6834	0.7268	0.6542	0.7308	0.7012	0.6858	0.6531	-----	0.690	7.07	0.997	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6885	0.6834	0.7268	0.6542	0.7308	0.7012	0.6858	0.6531	-----	0.690	7.07	0.997	0.999	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.9077	0.9023	0.9719	0.8687	0.9619	0.9164	0.9000	0.8592	-----	0.911	7.44	0.997	0.999	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4460	0.4549	0.4607	0.4170	0.4654	0.4521	0.4452	0.4440	-----	0.448	7.20	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2021	0.0877	0.1403	0.1531	0.2295	0.2368	0.2389	0.2419	-----	0.191	7.19	0.995	0.998	30	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3005	0.2540	0.2954	0.2716	0.3263	0.3262	0.3187	0.3189	-----	0.302	7.29	0.999	0.999	8.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.98

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0231

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32490.	CAL BNA@50PPM	02/28/11 10:32	2	9M32491.	CAL BNA@2PPM	02/28/11 10:55
3	9M32493.	CAL BNA@10PPM	02/28/11 11:42	4	9M32494.	CAL BNA@20PPM	02/28/11 12:05
5	9M32495.	CAL BNA@80PPM	02/28/11 12:29	6	9M32496.	CAL BNA@120PPM	02/28/11 12:52
7	9M32497.	CAL BNA@160PPM	02/28/11 13:33	8	9M32498.	CAL BNA@196PPM	02/28/11 13:57
9	9M32492.	CAL BNA@.5PPM	02/28/11 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3329	0.2591	0.3031	0.2846	0.3518	0.3422	0.3414	0.3345	-----	0.319	7.32	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2820	1.2297	1.3269	1.2321	1.3557	1.3038	1.2747	1.2421	-----	1.28	7.36	0.999	1.00	3.6		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1214	1.1541	1.1973	1.0698	1.1712	1.1180	1.0795	1.0550	-----	1.12	7.45	0.998	1.00	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.8918	0.8880	0.9499	0.8478	0.9066	0.8680	0.8328	0.8171	-----	0.875	7.72	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8918	0.8880	0.9499	0.8478	0.9066	0.8680	0.8328	0.8171	-----	0.875	7.72	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8355	0.8926	0.9092	0.8148	0.8858	0.8412	0.8246	0.8148	-----	0.852	7.52	0.999	1.00	4.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4678	0.3718	0.4446	0.4249	0.4916	0.4701	0.4481	0.4311	-----	0.444	7.53	0.996	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5257	0.5086	0.5527	0.4933	0.5460	0.5153	0.4919	0.4776	-----	0.514	7.71	0.997	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9197	1.7997	2.0083	1.8079	2.0172	1.9183	1.8548	1.7948	-----	1.89	7.80	0.997	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3026	1.2638	1.3449	1.2157	1.3783	1.3337	1.2933	1.2554	-----	1.30	7.68	0.998	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2830	0.1956	0.2792	0.2599	0.2964	0.2911	0.2857	0.2804	-----	0.271	7.73	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2057	1.2473	1.2810	1.1456	1.2713	1.2227	1.1842	1.1605	-----	1.21	7.94	0.998	1.00	4.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3209	0.2505	0.3145	0.2996	0.3438	0.3127	0.2947	0.2794	-----	0.302	7.87	0.992	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1038	-----	0.0487	0.0593	0.1315	0.1470	0.1525	0.1555	-----	0.114	7.97	0.993	0.997	39	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6290	1.6602	1.7146	1.5499	1.7156	1.6205	1.5648	1.5164	1.8570	1.65	8.10	0.998	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	LinF	0.3787	0.2441	0.3265	0.3215	0.4126	0.4035	0.3943	0.3834	-----	0.358	8.08	0.998	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.2765	0.1432	0.2246	0.2308	0.3047	0.2990	0.2995	0.2941	-----	0.259	8.01	0.999	0.999	22	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2403	0.1739	0.2294	0.2106	0.2550	0.2485	0.2494	0.2439	-----	0.231	8.20	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3613	1.2969	1.4206	1.2770	1.4195	1.3572	1.3149	1.2827	-----	1.34	8.41	0.998	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5430	0.5273	0.5689	0.5118	0.5725	0.5548	0.5432	0.5380	-----	0.545	8.40	0.999	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3361	1.2932	1.3499	1.2487	1.4077	1.3521	1.3169	1.2797	-----	1.32	8.30	0.998	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3914	0.2704	0.3542	0.3463	0.4211	0.4017	0.3945	0.3802	-----	0.370	8.43	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3495	0.2887	0.3346	0.3095	0.3682	0.3573	0.3519	0.3379	-----	0.337	9.04	0.998	0.999	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1000	0.0231	0.0578	0.0709	0.1175	0.1216	0.1249	0.1243	-----	0.0926	8.45	0.993	0.996	41		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7135	0.6900	0.7275	0.6684	0.7524	0.7198	0.7059	0.6896	-----	0.708	8.52	0.999	1.00	3.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0496	0.0367	0.0424	0.0436	0.0548	0.0543	0.0556	0.0562	-----	0.0492	8.63	0.999	1.00	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.9323	0.8927	0.9875	0.8922	0.9893	0.9361	0.9037	0.8838	-----	0.927	8.55	0.998	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1555	0.1466	0.1495	0.1437	0.1674	0.1637	0.1642	0.1627	-----	0.157	8.87	1.00	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1375	0.1386	0.1400	0.1270	0.1456	0.1429	0.1431	0.1441	-----	0.140	8.94	1.00	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6633	0.5477	0.6552	0.6197	0.7137	0.6742	0.6490	0.6289	-----	0.644	9.23	0.997	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.0894	-----	0.0566	0.0645	0.1007	0.1021	0.1043	0.1055	-----	0.0891	9.14	0.999	0.999	23	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1035	1.1713	1.1855	1.0502	1.1580	1.1117	1.0810	1.0598	-----	1.12	9.36	0.999	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1460	1.0956	1.1880	1.0702	1.1984	1.1399	1.1130	1.0788	-----	1.13	9.41	0.998	1.00	4.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1637	1.0727	1.1804	1.0710	1.2221	1.1564	1.1290	1.1027	-----	1.14	9.59	0.998	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4078	1.0884	1.3176	1.2623	1.4990	1.4277	1.4016	1.3784	-----	1.35	9.98	0.999	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1599	0.9941	1.1144	1.0320	1.2238	1.1544	1.1434	1.1196	-----	1.12	10.67	0.999	1.00	6.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3986	1.2599	1.4170	1.3437	1.5151	1.5047	1.4587	1.4350	-----	1.42	10.93	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5700	0.1846	0.2469	0.4092	0.6327	0.5528	0.4498	0.4020	-----	0.431	10.83	0.941	0.994	36		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7841	0.7097	0.7658	0.7485	0.8660	0.8731	0.8590	0.8627	-----	0.809	11.13	0.999	0.999	7.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p.p'-DDE	1	0	Avg	0.2232	0.2049	0.2269	0.2144	0.2415	0.2465	0.2421	0.2418	-----	0.230	11.07	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p.p'-DDD	1	0	Avg	0.4524	0.3629	0.4259	0.4186	0.4978	0.5068	0.4954	0.4939	-----	0.457	11.46	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.98

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

0230

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M32490.	CAL BNA@50PPM	02/28/11 10:32	2	9M32491.	CAL BNA@2PPM	02/28/11 10:55
3	9M32493.	CAL BNA@10PPM	02/28/11 11:42	4	9M32494.	CAL BNA@20PPM	02/28/11 12:05
5	9M32495.	CAL BNA@80PPM	02/28/11 12:29	6	9M32496.	CAL BNA@120PPM	02/28/11 12:52
7	9M32497.	CAL BNA@160PPM	02/28/11 13:33	8	9M32498.	CAL BNA@196PPM	02/28/11 13:57
9	9M32492.	CAL BNA@.5PPM	02/28/11 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7499	0.5508	0.6846	0.6788	0.8295	0.8210	0.7994	0.7791	----	0.737	11.73	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	LinF	0.3459	0.1980	0.2888	0.2971	0.3928	0.3911	0.3863	0.3757	----	0.334	11.82	0.998	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3101	0.2206	0.2842	0.2904	0.3649	0.3279	0.2893	0.2777	----	0.296	12.33	0.983	0.996	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1626	1.0960	1.1484	1.0883	1.2521	1.2230	1.2002	1.1992	----	1.17	12.35	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1112	1.1343	1.1663	1.0437	1.1735	1.1554	1.1109	1.0851	----	1.12	12.39	0.998	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0170	0.6851	0.9283	0.9177	1.1099	1.0856	1.0494	1.0210	----	0.977	12.43	0.999	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	2.0384	1.2394	1.6943	1.7433	2.2688	2.2922	2.2625	2.1946	----	1.97	13.17	0.998	0.998	19	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1425	1.0667	1.1366	1.0519	1.2949	1.3157	1.2697	1.3624	----	1.21	13.56	0.997	0.998	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2620	1.0604	1.2025	1.1521	1.2820	1.2385	1.2294	1.0699	----	1.19	13.59	0.988	0.997	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1404	0.9414	1.0603	1.0022	1.2351	1.2183	1.1907	1.1793	----	1.12	13.90	0.999	0.999	9.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.1312	0.9202	1.0505	0.9925	1.2127	1.2037	1.1859	1.1852	----	1.11	15.13	1.00	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.8867	0.7144	0.8300	0.7816	0.9490	0.9440	0.9283	0.9233	----	0.870	15.15	0.999	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9325	0.8262	0.8876	0.8289	0.9928	0.9730	0.9679	0.9716	----	0.923	15.45	1.00	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound

b - failed the ccc criteria ** - spcc compound

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.98

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32490.D Sam Mult : 1 Vial# : 2 Qt On : 02/28/11 13:40
Acq On : 02/28/11 10:32 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	84643	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	326705	40.00	ng	-0.05
47) Acenaphthene-d10	7.917	164	174625	40.00	ng	-0.05
74) Phenanthrene-d10	9.334	188	285496	40.00	ng	-0.06
88) Chrysene-d12	12.356	240	242975	40.00	ng	-0.06
100) Perylene-d12	13.961	264	209380	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	143191	51.99	ng	-0.04
Spiked Amount 100.000			Recovery = 51.99%			
15) Phenol-d5	5.205	99	199956	51.63	ng	-0.04
Spiked Amount 100.000			Recovery = 51.63%			
30) Nitrobenzene-d5	5.970	128	34572	25.36	ng	-0.05
Spiked Amount 50.000			Recovery = 50.72%			
52) 2-Fluorobiphenyl	7.355	172	139919	25.26	ng	-0.04
Spiked Amount 50.000			Recovery = 50.52%			
77) 2,4,6-Tribromophenol	8.634	330	17733	50.21	ng	-0.05
Spiked Amount 100.000			Recovery = 50.21%			
91) Terphenyl-d14	11.126	244	119083	24.27	ng	-0.06
Spiked Amount 50.000			Recovery = 48.54%			
Target Compounds						Qvalue
8) Pyridine	2.574	79	179335	57.90	ng	79
9) N-Nitrosodimethylamine	2.515	74	106360	54.02	ng	76
11) Benzaldehyde	5.125	77	106380	63.04	ng	79
12) Aniline	5.227	93	231480	52.46	ng	39
13) Pentachloroethane	5.264	117	46646	49.10	ng	91
14) bis(2-Chloroethyl)ether	5.291	93	160106	51.81	ng	84
16) Phenol	5.216	94	223587	52.42	ng	98
17) 2-Chlorophenol	5.328	128	158224	51.25	ng	85
18) N-Decane	5.387	57	179664	48.07	ng	86
19) 1,3-Dichlorobenzene	5.462	146	161084	50.37	ng	98
20) 1,4-Dichlorobenzene	5.526	146	163312	50.39	ng	98
21) 1,2-Dichlorobenzene	5.649	146	151149	49.63	ng	99
22) Benzyl alcohol	5.633	108	106038	50.24	ng	75
23) bis(2-chloroisopropyl)...	5.751	45	235390	52.90	ng	94
24) 2-Methylphenol	5.735	108	146463	51.27	ng	100
25) Acetophenone	5.847	105	214407	47.33	ng	65
26) Hexachloroethane	5.927	117	61474	51.86	ng	96
27) N-Nitroso-di-n-propyla...	5.852	70	119006	51.54	ng	74
28) 3&4-Methylphenol	5.858	108	150523	51.30	ng	96
31) Nitrobenzene	5.986	77	157412	52.73	ng	78
32) Isophorone	6.179	82	301504	51.11	ng	83
33) 2-Nitrophenol	6.238	139	73144	53.81	ng	86
34) 2,4-Dimethylphenol	6.275	107	151034	53.27	ng	92
35) Benzoic Acid	6.377	105	89832	46.55	ng	88
36) bis(2-Chloroethoxy)met...	6.345	93	180496	51.13	ng	95
37) 2,4-Dichlorophenol	6.425	162	111459	50.44	ng	90
38) 1,2,4-Trichlorobenzene	6.484	180	116384	49.17	ng	97
39) Naphthalene	6.548	128	448941	50.13	ng	100
40) 4-Chloroaniline	6.585	127	158720	56.94	ng	98
41) Hexachlorobutadiene	6.639	225	51637	48.10	ng	96
42) Caprolactam	6.869	113	55493	51.30	ng	69
43) 4-Chloro-3-methylphenol	6.954	107	134189	51.61	ng	87
44) 2-Methylnaphthalene	7.072	142	281192	49.98	ng	100
45) Methylnaphthalenes (To...	7.072	142	281192	49.98	ng	100
46) 1,1'-Biphenyl	7.436	154	370695	49.96	ng	96
48) 1,2,4,5-Tetrachloroben...	7.200	216	97370	46.70	ng	98
49) Hexachlorocyclopentadiene	7.190	237	44120	49.01	ng	99
50) 2,4,6-Trichlorophenol	7.286	196	65594	49.33	ng	99
51) 2,4,5-Trichlorophenol	7.318	196	72679	52.68	ng	97
53) 2-Chloronaphthalene	7.452	162	244788	50.77	ng	97
54) 1,4-Dimethylnaphthalene	7.724	156	194670	47.80	ng	93
55) Dimethylnaphthalenes (...	7.724	156	194670	47.80	ng	93
56) Diphenyl Ether	7.516	170	182390	46.41	ng	86
57) 2-Nitroaniline	7.532	65	102114	56.77	ng	64
58) Coumarin	7.708	146	114755	53.43	ng	76
59) Acenaphthylene	7.799	152	419039	51.53	ng	100
60) Dimethylphthalate	7.682	163	284336	50.19	ng	98
61) 2,6-Dinitrotoluene	7.730	165	61792	53.81	ng	71
62) Acenaphthene	7.944	153	263195	50.71	ng	96
63) 3-Nitroaniline	7.874	138	70055	53.13	ng	65
64) 2,4-Dinitrophenol	7.965	184	22672	58.40	ng	89
65) Dibenzofuran	8.099	168	355588	50.49	ng	88

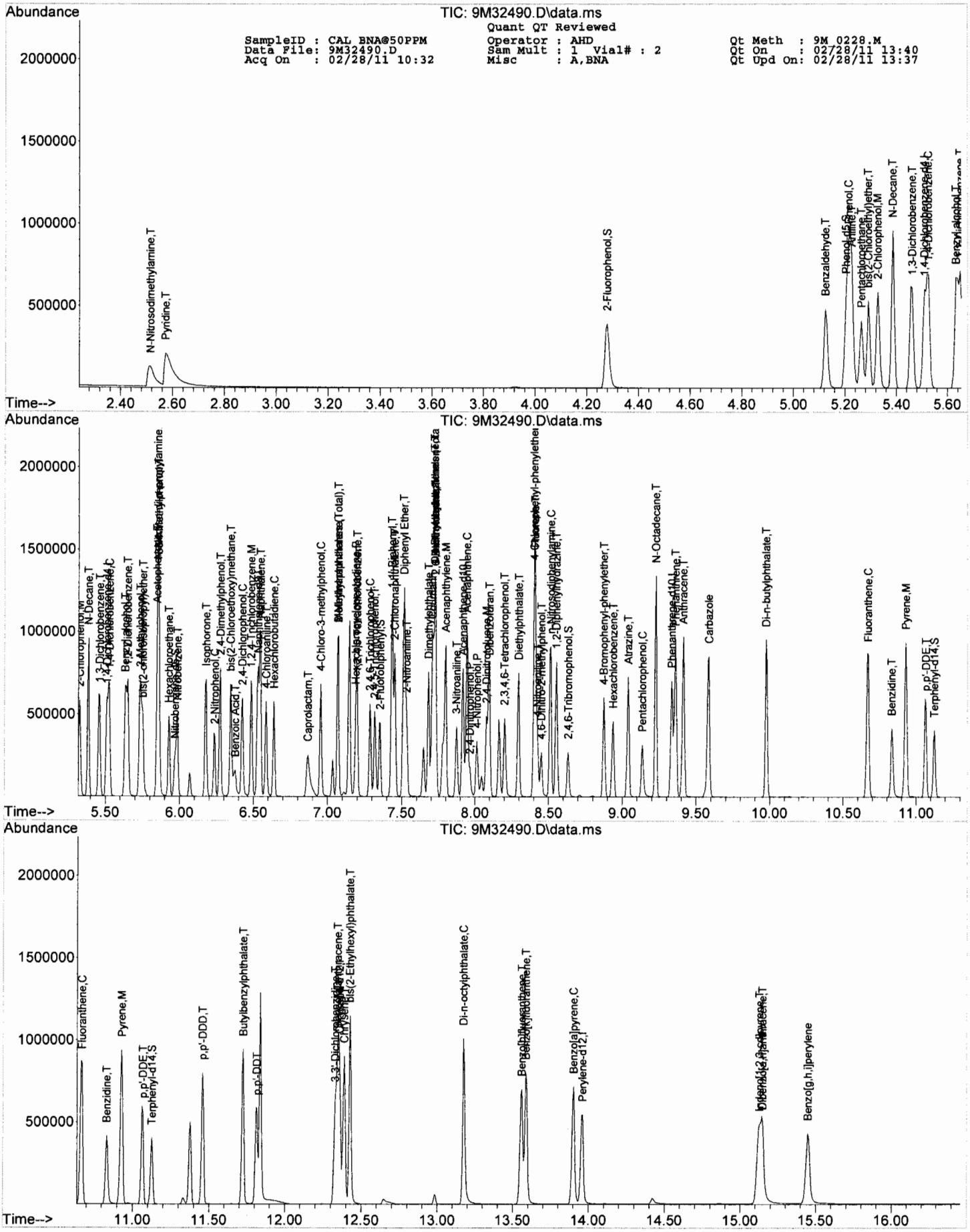
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32490.D Sam Mult : 1 Vial# : 2 Qt On : 02/28/11 13:40
Acq On : 02/28/11 10:32 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.077	165	82665	56.00	ng	72
67)	4-Nitrophenol	8.013	65	60358	58.54	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.200	232	52467	51.63	ng	96
69)	Fluorene	8.409	166	297151	51.10	ng	99
70)	4-Chlorophenyl-phenyle...	8.404	204	118544	49.04	ng	95
71)	Diethylphthalate	8.297	149	291656	51.60	ng	97
72)	4-Nitroaniline	8.425	138	85444	54.21	ng	73
73)	Atrazine	9.040	200	76300	48.97	ng	96
75)	4,6-Dinitro-2-methylph...	8.452	198	35693	69.66	ng	47
76)	n-Nitrosodiphenylamine	8.516	169	254650	51.72	ng	99
78)	1,2-Diphenylhydrazine	8.553	77	332734	53.99	ng	86
79)	4-Bromophenyl-phenylether	8.874	248	55499	48.72	ng	89
80)	Hexachlorobenzene	8.939	284	49093	47.92	ng	89
81)	N-Octadecane	9.227	57	236712	52.24	ng	83
82)	Pentachlorophenol	9.136	266	31935	49.44	ng	97
83)	Phenanthrene	9.361	178	393815	50.60	ng	99
84)	Anthracene	9.415	178	409003	52.00	ng	99
85)	Carbazole	9.586	167	415322	52.33	ng	98
86)	Di-n-butylphthalate	9.976	149	502419	54.06	ng	98
87)	Fluoranthene	10.672	202	413964	52.43	ng	100
89)	Pyrene	10.928	202	424795	50.45	ng	98
90)	Benzidine	10.832	184	173123	58.96	ng	93
92)	p,p'-DDE	11.067	246	67799	47.40	ng	89
93)	p,p'-DDD	11.458	235	137429	47.54	ng	84
94)	Butylbenzylphthalate	11.725	149	227772	53.66	ng	78
95)	p,p'-DDT	11.816	235	105075	57.93	ng	92
96)	3,3'-Dichlorobenzidine	12.330	252	94195	53.55	ng	99
97)	Benzo[a]anthracene	12.346	228	353118	49.90	ng	100
98)	Chrysene	12.388	228	337504	49.91	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.426	149	308897	54.15	ng	93
101)	Di-n-octylphthalate	13.175	149	533519	53.71	ng	99
102)	Benzo[b]fluoranthene	13.560	252	299022	46.99	ng	98
103)	Benzo[k]fluoranthene	13.587	252	330319	54.38	ng	97
104)	Benzo[a]pyrene	13.902	252	298482	51.13	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.127	276	296080	52.54	ng	88
106)	Dibenzo[a,h]anthracene	15.148	278	232094	52.76	ng	96
107)	Benzo[g,h,i]perylene	15.448	276	244080	52.21	ng	89

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


Abundance
TIC: 9M32490.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32490.D
Acq On : 02/28/11 10:32
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:40
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M32490.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,M
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
p,p'-DDE,I
Time-->

Abundance
TIC: 9M32490.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,M
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32491.D Sam Mult : 1 Vial# : 3 Qt On : 02/28/11 13:39
Acq On : 02/28/11 10:55 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.505	152	89121	40.00	ng	-0.05
29) Naphthalene-d8	6.527	136	365556	40.00	ng	-0.05
47) Acenaphthene-d10	7.906	164	201270	40.00	ng	-0.06
74) Phenanthrene-d10	9.324	188	320165	40.00	ng	-0.07
88) Chrysene-d12	12.346	240	256429	40.00	ng	-0.07
100) Perylene-d12	13.945	264	211399	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.285	112	4486	1.55	ng	-0.04
Spiked Amount 100.000			Recovery = 1.55%			
15) Phenol-d5	5.205	99	7714	1.89	ng	-0.04
Spiked Amount 100.000			Recovery = 1.89%			
30) Nitrobenzene-d5	5.965	128	1282	0.84	ng	-0.05
Spiked Amount 50.000			Recovery = 1.68%			
52) 2-Fluorobiphenyl	7.345	172	6188	0.97	ng	-0.05
Spiked Amount 50.000			Recovery = 1.94%			
77) 2,4,6-Tribromophenol	8.629	330	588	1.48	ng	-0.06
Spiked Amount 100.000			Recovery = 1.48%			
91) Terphenyl-d14	11.116	244	4550	0.88	ng	-0.07
Spiked Amount 50.000			Recovery = 1.76%			
Target Compounds						Qvalue
8) Pyridine	2.676	79	4781	1.47	ng	77
9) N-Nitrosodimethylamine	2.579	74	2875	1.39	ng	88
11) Benzaldehyde	5.125	77	3993	2.25	ng	84
12) Aniline	5.227	93	6709	1.44	ng	32
13) Pentachloroethane	5.259	117	1886	1.89	ng	88
14) bis(2-Chloroethyl)ether	5.291	93	6727	2.07	ng	82
16) Phenol	5.216	94	8082	1.80	ng	98
17) 2-Chlorophenol	5.328	128	5852	1.80	ng	86
18) N-Decane	5.382	57	7530	1.91	ng	86
19) 1,3-Dichlorobenzene	5.457	146	6898	2.05	ng	98
20) 1,4-Dichlorobenzene	5.521	146	7345	2.15	ng	95
21) 1,2-Dichlorobenzene	5.649	146	6773	2.11	ng	95
22) Benzyl alcohol	5.633	108	3836	1.73	ng	76
23) bis(2-chloroisopropyl)...	5.746	45	10367	2.21	ng	92
24) 2-Methylphenol	5.730	108	5854	1.95	ng	96
25) Acetophenone	5.847	105	9215	1.93	ng	61
26) Hexachloroethane	5.927	117	2463	1.97	ng	93
27) N-Nitroso-di-n-propyla...	5.847	70	5104	2.10	ng	78
28) 3&4-Methylphenol	5.858	108	6215	2.01	ng	97
31) Nitrobenzene	5.981	77	6594	1.97	ng	85
32) Isophorone	6.168	82	12653	1.92	ng	89
33) 2-Nitrophenol	6.232	139	2322	1.53	ng	77
34) 2,4-Dimethylphenol	6.270	107	5973	1.88	ng	91
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.339	93	7721	1.95	ng	96
37) 2,4-Dichlorophenol	6.425	162	4124	1.67	ng	90
38) 1,2,4-Trichlorobenzene	6.478	180	5389	2.03	ng	96
39) Naphthalene	6.543	128	20937	2.09	ng	99
40) 4-Chloroaniline	6.585	127	5264	1.69	ng	90
41) Hexachlorobutadiene	6.633	225	2246	1.87	ng	84
42) Caprolactam	6.831	113	1708	1.41	ng	71
43) 4-Chloro-3-methylphenol	6.944	107	5058	1.74	ng	85
44) 2-Methylnaphthalene	7.061	142	12491	1.98	ng	98
45) Methylnaphthalenes (To...	7.061	142	12491	1.98	ng	98
46) 1,1'-Biphenyl	7.425	154	16492	1.99	ng	95
48) 1,2,4,5-Tetrachloroben...	7.190	216	4578	1.91	ng	94
49) Hexachlorocyclopentadiene	7.184	237	883	0.85	ng	81
50) 2,4,6-Trichlorophenol	7.281	196	2557	1.67	ng	98
51) 2,4,5-Trichlorophenol	7.313	196	2608	1.64	ng	91
53) 2-Chloronaphthalene	7.441	162	11615	2.09	ng	94
54) 1,4-Dimethylnaphthalene	7.714	156	8937	1.90	ng	93
55) Dimethylnaphthalenes (...	7.714	156	8937	1.90	ng	93
56) Diphenyl Ether	7.511	170	8983	1.98	ng	79
57) 2-Nitroaniline	7.521	65	3742	1.80	ng	69
58) Coumarin	7.698	146	5119	2.07	ng	74
59) Acenaphthylene	7.783	152	18112	1.93	ng	100
60) Dimethylphthalate	7.666	163	12719	1.95	ng	97
61) 2,6-Dinitrotoluene	7.719	165	1969	1.49	ng	82
62) Acenaphthene	7.933	153	12553	2.10	ng	96
63) 3-Nitroaniline	7.864	138	2521	1.66	ng	71
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.083	168	16708	2.06	ng	89

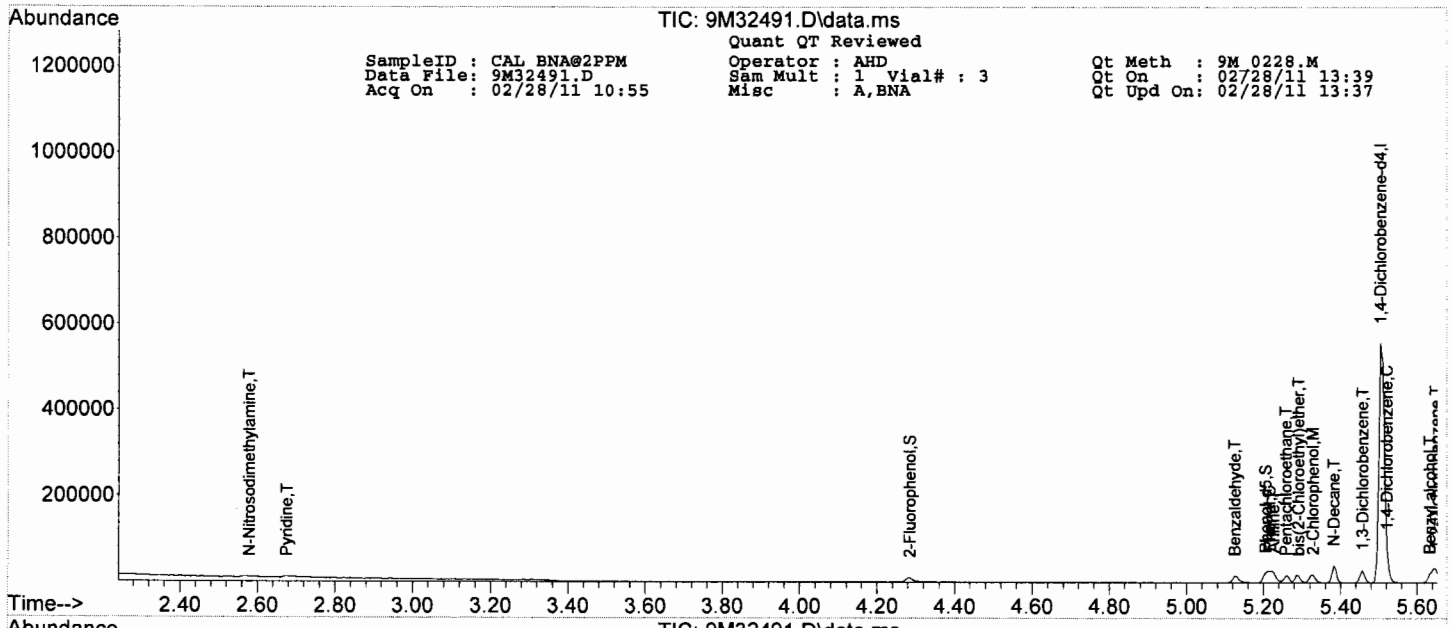
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32491.D Sam Mult : 1 Vial# : 3 Qt On : 02/28/11 13:39
Acq On : 02/28/11 10:55 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	2457	1.44	ng	73
67)	4-Nitrophenol	8.008	65	1442	1.21	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.195	232	1750	1.49	ng	91
69)	Fluorene	8.399	166	13052	1.95	ng	97
70)	4-Chlorophenyl-phenyle...	8.393	204	5307	1.90	ng	95
71)	Diethylphthalate	8.281	149	13015	2.00	ng	97
72)	4-Nitroaniline	8.409	138	2722	1.50	ng	83
73)	Atrazine	9.024	200	2906	1.62	ng	95
75)	4,6-Dinitro-2-methylph...	8.441	198	370	0.64	ng	29
76)	n-Nitrosodiphenylamine	8.500	169	11047	2.00	ng	91
78)	1,2-Diphenylhydrazine	8.543	77	14291	2.07	ng	86
79)	4-Bromophenyl-phenylether	8.869	248	2348	1.84	ng	99
80)	Hexachlorobenzene	8.928	284	2219	1.93	ng	88
81)	N-Octadecane	9.217	57	8769	1.73	ng	85
82)	Pentachlorophenol	9.131	266	304	0.42	ng	85
83)	Phenanthrene	9.351	178	18751	2.15	ng	97
84)	Anthracene	9.404	178	17539	1.99	ng	97
85)	Carbazole	9.575	167	17173	1.93	ng	96
86)	Di-n-butylphthalate	9.971	149	17424	1.67	ng	96
87)	Fluoranthene	10.661	202	15914	1.80	ng	100
89)	Pyrene	10.918	202	16154	1.82	ng	99
90)	Benzidine	10.827	184	2368	0.76	ng	90
92)	p,p'-DDE	11.057	246	2628	1.74	ng	86
93)	p,p'-DDD	11.453	235	4654	1.53	ng	85
94)	Butylbenzylphthalate	11.715	149	7063	1.58	ng	78
95)	p,p'-DDT	11.806	235	2539	1.33	ng	91
96)	3,3'-Dichlorobenzidine	12.319	252	2829	1.52	ng	97
97)	Benzo[a]anthracene	12.335	228	14053	1.88	ng	98
98)	Chrysene	12.378	228	14544	2.04	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.421	149	8785	1.46	ng	91
101)	Di-n-octylphthalate	13.170	149	13101	1.31	ng	100
102)	Benzo[b]fluoranthene	13.544	252	11275	1.75	ng	96
103)	Benzo[k]fluoranthene	13.576	252	11209	1.83	ng	97
104)	Benzo[a]pyrene	13.886	252	9951	1.69	ng	91
105)	Indeno[1,2,3-cd]pyrene	15.100	276	9727	1.71	ng	75
106)	Dibenzo[a,h]anthracene	15.116	278	7552	1.70	ng	83
107)	Benzo[g,h,i]perylene	15.421	276	8733	1.85	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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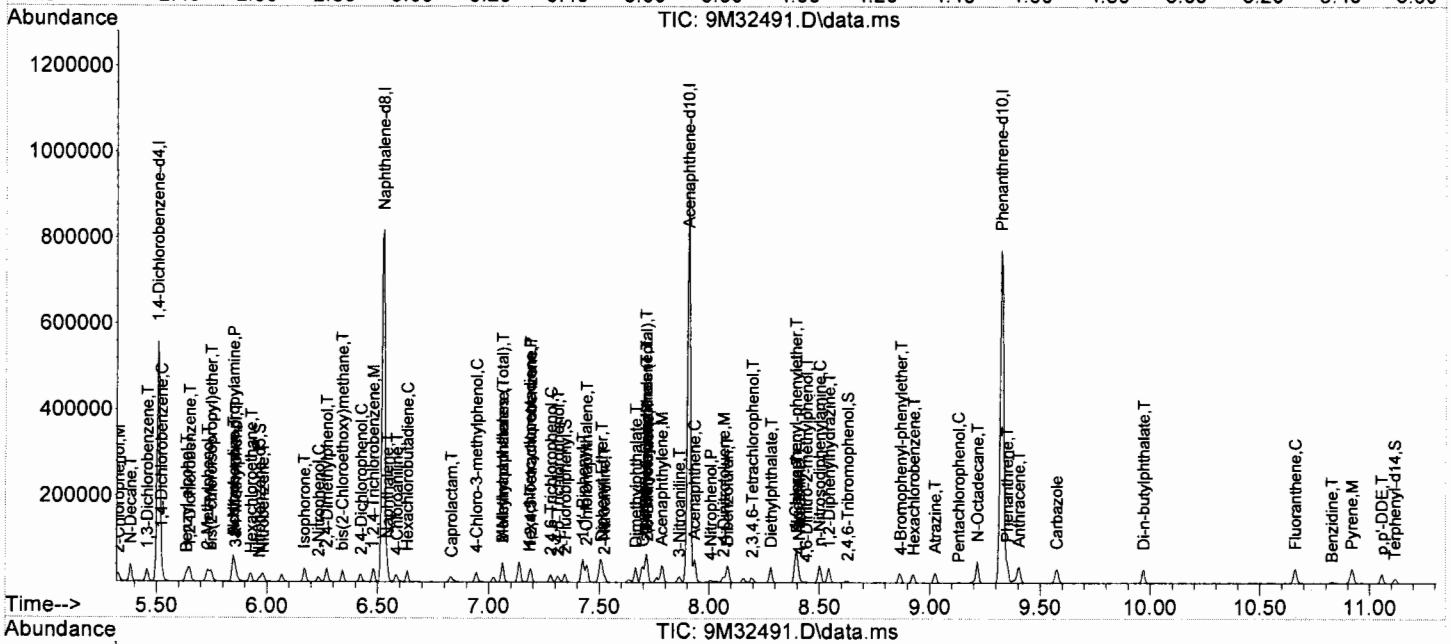
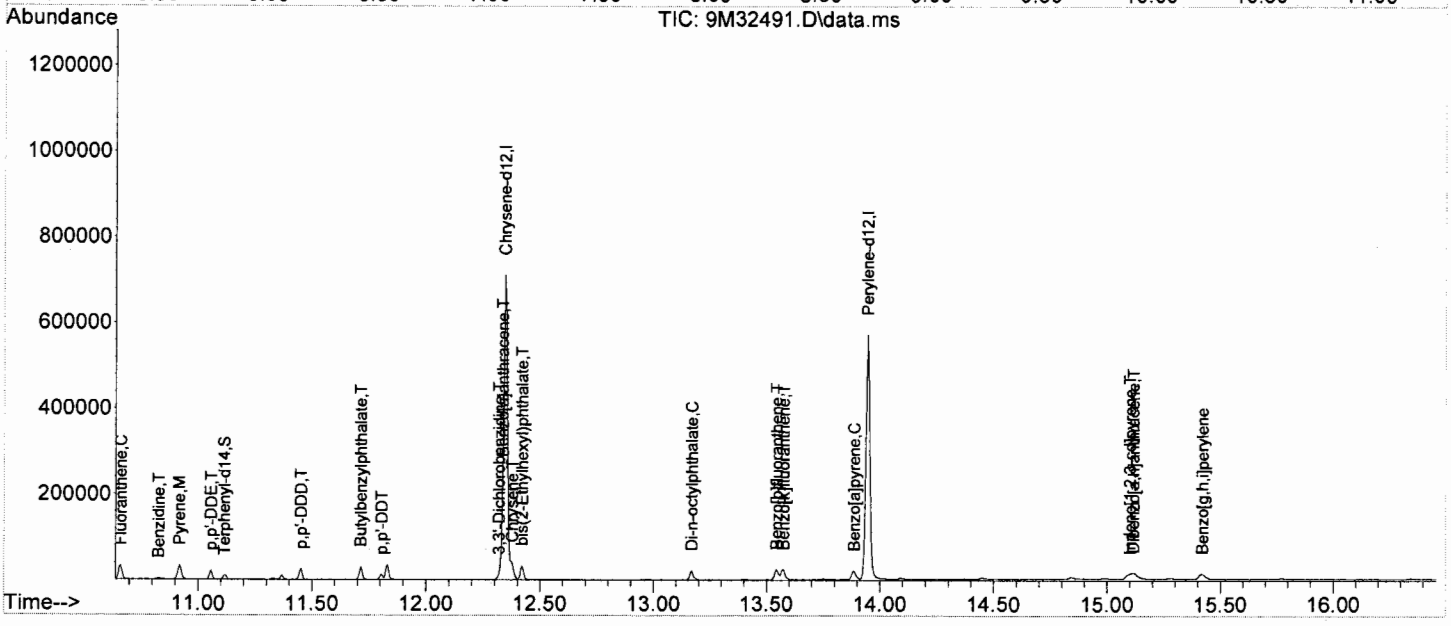
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M32491.D
Acq On : 02/28/11 10:55
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02728/11 13:39
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 9M32491.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32491.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32493.D Sam Mult : 1 Vial# : 5 Qt On : 02/28/11 13:39
Acq On : 02/28/11 11:42 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	84339	40.00	ng	-0.05
29) Naphthalene-d8	6.526	136	338102	40.00	ng	-0.05
47) Acenaphthene-d10	7.906	164	180917	40.00	ng	-0.06
74) Phenanthrene-d10	9.324	188	291748	40.00	ng	-0.07
88) Chrysene-d12	12.351	240	244874	40.00	ng	-0.07
100) Perylene-d12	13.945	264	204685	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	25275	9.21	ng	-0.04
Spiked Amount 100.000			Recovery = 9.21%			
15) Phenol-d5	5.200	99	38699	10.03	ng	-0.05
Spiked Amount 100.000			Recovery = 10.03%			
30) Nitrobenzene-d5	5.965	128	6599	4.68	ng	-0.05
Spiked Amount 50.000			Recovery = 9.36%			
52) 2-Fluorobiphenyl	7.345	172	30008	5.23	ng	-0.05
Spiked Amount 50.000			Recovery = 10.46%			
77) 2,4,6-Tribromophenol	8.623	330	3096	8.58	ng	-0.06
Spiked Amount 100.000			Recovery = 8.58%			
91) Terphenyl-d14	11.115	244	23441	4.74	ng	-0.07
Spiked Amount 50.000			Recovery = 9.48%			
Target Compounds						Qvalue
8) Pyridine	2.606	79	32526	10.54	ng	82
9) N-Nitrosodimethylamine	2.526	74	20768	10.59	ng	72
11) Benzaldehyde	5.125	77	22054	13.12	ng	80
12) Aniline	5.221	93	37133	8.45	ng	34
13) Pentachloroethane	5.259	117	9415	9.95	ng	90
14) bis(2-Chloroethyl)ether	5.285	93	34534	11.22	ng	87
16) Phenol	5.216	94	43925	10.34	ng	94
17) 2-Chlorophenol	5.323	128	31964	10.39	ng	84
18) N-Decane	5.382	57	37801	10.15	ng	84
19) 1,3-Dichlorobenzene	5.457	146	33622	10.55	ng	98
20) 1,4-Dichlorobenzene	5.521	146	34594	10.71	ng	97
21) 1,2-Dichlorobenzene	5.649	146	32538	10.72	ng	96
22) Benzyl alcohol	5.633	108	21036	10.00	ng	73
23) bis(2-chloroisopropyl)...	5.745	45	51369	11.59	ng	95
24) 2-Methylphenol	5.729	108	30178	10.60	ng	98
25) Acetophenone	5.847	105	46616	10.33	ng	64
26) Hexachloroethane	5.927	117	12793	10.83	ng	96
27) N-Nitroso-di-n-propyla...	5.847	70	25528	11.10	ng	75
28) 3&4-Methylphenol	5.852	108	31861	10.90	ng	97
31) Nitrobenzene	5.981	77	32909	10.65	ng	79
32) Isophorone	6.168	82	64079	10.50	ng	88
33) 2-Nitrophenol	6.232	139	13448	9.56	ng	89
34) 2,4-Dimethylphenol	6.270	107	30636	10.44	ng	90
35) Benzoic Acid	6.334	105	7391m	3.70	ng	
36) bis(2-Chloroethoxy)met...	6.339	93	39193	10.73	ng	96
37) 2,4-Dichlorophenol	6.419	162	21684	9.48	ng	91
38) 1,2,4-Trichlorobenzene	6.484	180	25206	10.29	ng	99
39) Naphthalene	6.542	128	99641	10.75	ng	99
40) 4-Chloroaniline	6.580	127	27023	9.37	ng	98
41) Hexachlorobutadiene	6.633	225	11083	9.98	ng	96
42) Caprolactam	6.831	113	10462	9.35	ng	68
43) 4-Chloro-3-methylphenol	6.944	107	26319	9.78	ng	86
44) 2-Methylnaphthalene	7.061	142	61434	10.55	ng	100
45) Methylnaphthalenes (To...	7.061	142	61434	10.55	ng	100
46) 1,1'-Biphenyl	7.425	154	82150	10.70	ng	95
48) 1,2,4,5-Tetrachloroben...	7.190	216	20841	9.65	ng	100
49) Hexachlorocyclopentadiene	7.184	237	6347	6.81	ng	99
50) 2,4,6-Trichlorophenol	7.280	196	13364	9.70	ng	99
51) 2,4,5-Trichlorophenol	7.307	196	13713	9.59	ng	100
53) 2-Chloronaphthalene	7.441	162	54156	10.84	ng	97
54) 1,4-Dimethylnaphthalene	7.714	156	42964	10.18	ng	91
55) Dimethylnaphthalenes (...	7.714	156	42964	10.18	ng	91
56) Diphenyl Ether	7.510	170	41124	10.10	ng	82
57) 2-Nitroaniline	7.521	65	20113	10.79	ng	65
58) Coumarin	7.698	146	24999	11.24	ng	76
59) Acenaphthylene	7.783	152	90837	10.78	ng	99
60) Dimethylphthalate	7.666	163	60831	10.37	ng	98
61) 2,6-Dinitrotoluene	7.719	165	12630	10.62	ng	69
62) Acenaphthene	7.933	153	57942	10.77	ng	96
63) 3-Nitroaniline	7.863	138	14226	10.41	ng	72
64) 2,4-Dinitrophenol	7.954	184	2204	5.48	ng	65
65) Dibenzofuran	8.083	168	77550	10.63	ng	90

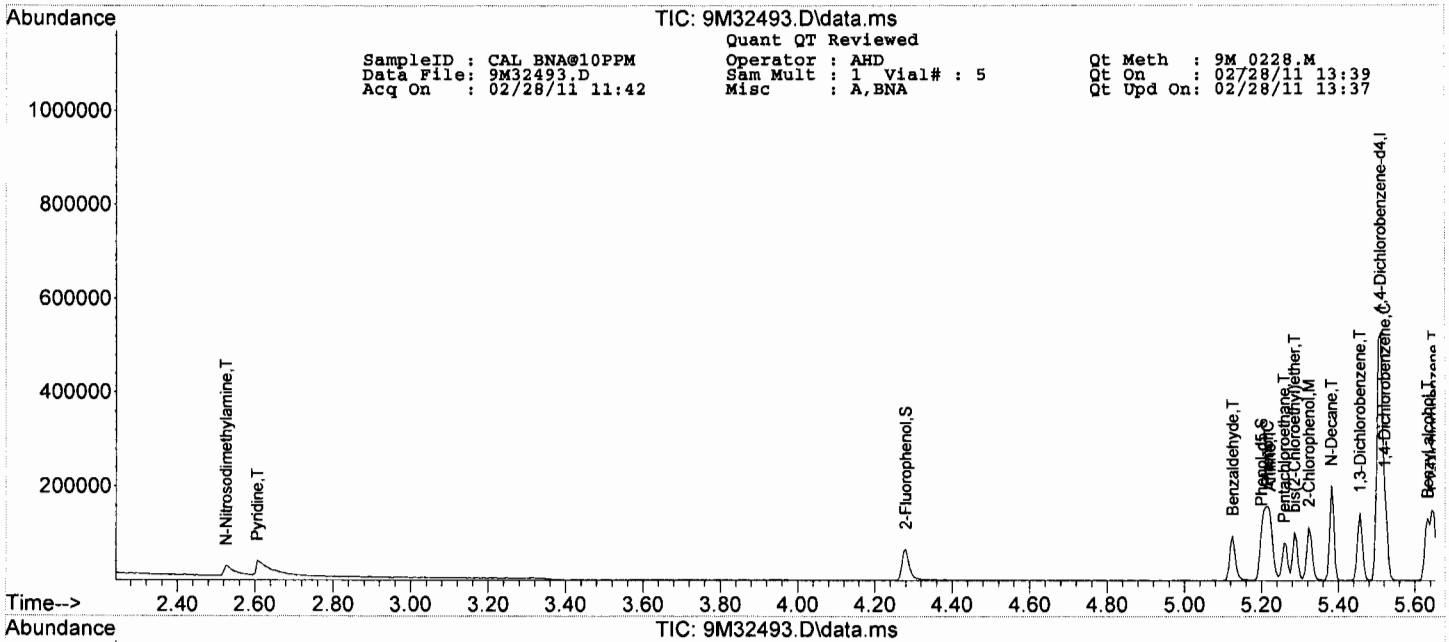
Quantitation Report (QT Reviewed)

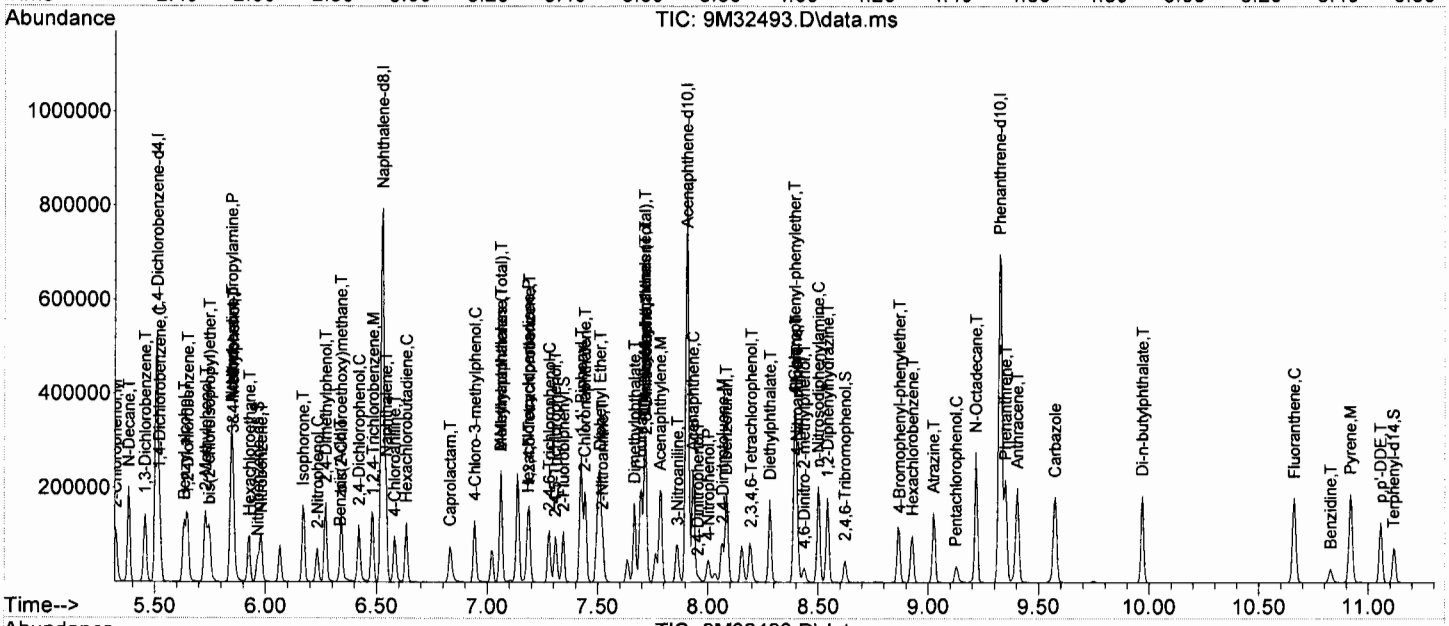
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32493.D Sam Mult : 1 Vial# : 5 Qt On : 02/28/11 13:39
Acq On : 02/28/11 11:42 Misc : A,BNA Qt Upd On: 02/28/11 13:37

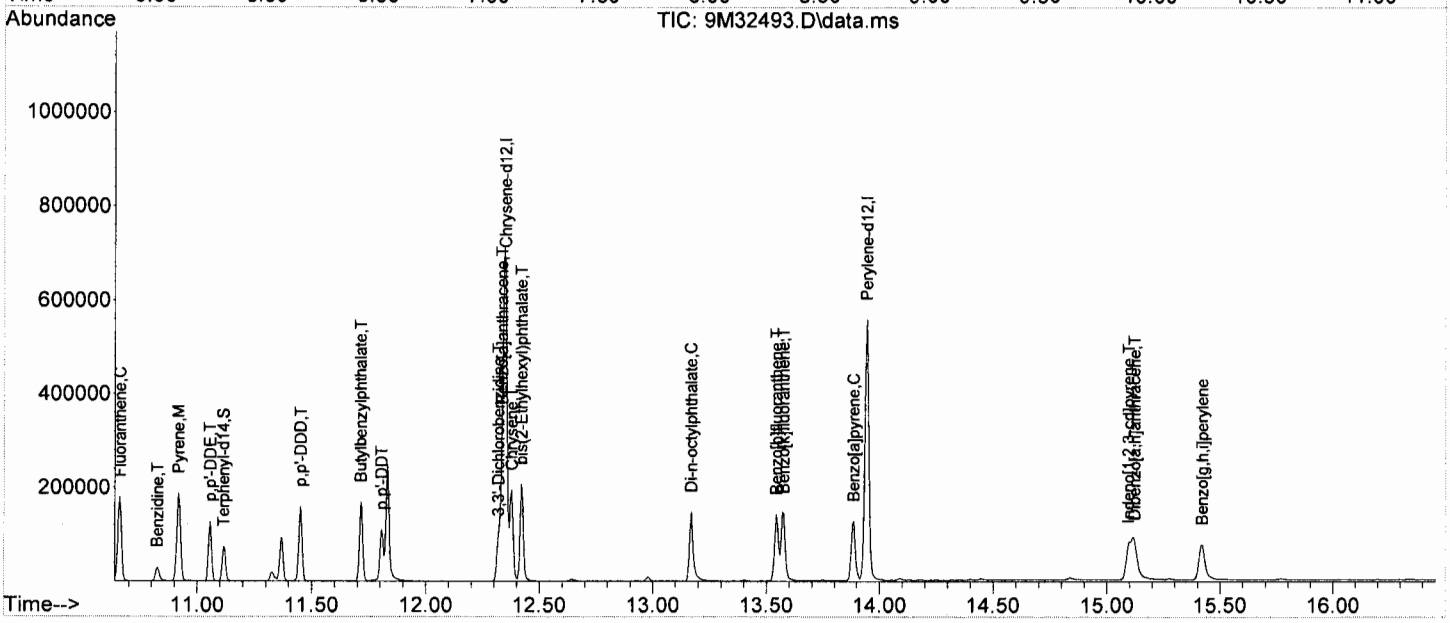
Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	14770	9.66	ng	74
67)	4-Nitrophenol	8.003	65	10161	9.51	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.195	232	10376	9.85	ng	97
69)	Fluorene	8.398	166	64256	10.67	ng	99
70)	4-Chlorophenyl-phenyle...	8.393	204	25733	10.28	ng	96
71)	Diethylphthalate	8.281	149	61059	10.43	ng	99
72)	4-Nitroaniline	8.404	138	16024	9.81	ng	77
73)	Atrazine	9.024	200	15136	9.38	ng	97
75)	4,6-Dinitro-2-methylph...	8.436	198	4218	8.06	ng	36
76)	n-Nitrosodiphenylamine	8.500	169	53063	10.55	ng	97
78)	1,2-Diphenylhydrazine	8.543	77	72031	11.44	ng	84
79)	4-Bromophenyl-phenylether	8.869	248	10911	9.37	ng	95
80)	Hexachlorobenzene	8.928	284	10211	9.75	ng	92
81)	N-Octadecane	9.217	57	47789	10.32	ng	83
82)	Pentachlorophenol	9.126	266	4129	6.26	ng	94
83)	Phenanthrene	9.350	178	86468	10.87	ng	99
84)	Anthracene	9.404	178	86654	10.78	ng	99
85)	Carbazole	9.575	167	86100	10.62	ng	97
86)	Di-n-butylphthalate	9.971	149	96108	10.12	ng	97
87)	Fluoranthene	10.661	202	81281	10.07	ng	95
89)	Pyrene	10.918	202	86749	10.22	ng	99
90)	Benzidine	10.827	184	15120	5.11	ng	93
92)	p,p'-DDE	11.057	246	13891	9.64	ng	88
93)	p,p'-DDD	11.452	235	26073	8.95	ng	82
94)	Butylbenzylphthalate	11.714	149	41910	9.80	ng	83
95)	p,p'-DDT	11.805	235	17680	9.67	ng	86
96)	3,3'-Dichlorobenzidine	12.319	252	17401	9.82	ng	96
97)	Benzo[a]anthracene	12.335	228	70308	9.86	ng	98
98)	Chrysene	12.378	228	71402	10.48	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.421	149	56831	9.89	ng	94
101)	Di-n-octylphthalate	13.169	149	86703	8.93	ng	100
102)	Benzo[b]fluoranthene	13.544	252	58161	9.35	ng	94
103)	Benzo[k]fluoranthene	13.576	252	61535	10.36	ng	98
104)	Benzo[a]pyrene	13.886	252	54259	9.51	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.095	276	53759	9.76	ng	85
106)	Dibenzo[a,h]anthracene	15.122	278	42473	9.88	ng	96
107)	Benzo[g,h,i]perylene	15.421	276	45424	9.94	ng	89

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


Abundance
TIC: 9M32493.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M32493.D
Acq On : 02/28/11 11:42
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:39
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 9M32493.D\data.ms
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
Time-->


Abundance
TIC: 9M32493.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32494.D Sam Mult : 1 Vial# : 6 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:05 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	91454	40.00	ng	-0.05
29) Naphthalene-d8	6.526	136	363438	40.00	ng	-0.05
47) Acenaphthene-d10	7.906	164	194166	40.00	ng	-0.06
74) Phenanthrene-d10	9.329	188	314185	40.00	ng	-0.06
88) Chrysene-d12	12.351	240	252099	40.00	ng	-0.07
100) Perylene-d12	13.945	264	208040	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	54079	18.17	ng	-0.05
Spiked Amount 100.000			Recovery = 18.17%			
15) Phenol-d5	5.200	99	79048	18.89	ng	-0.05
Spiked Amount 100.000			Recovery = 18.89%			
30) Nitrobenzene-d5	5.965	128	13942	9.19	ng	-0.05
Spiked Amount 50.000			Recovery = 18.38%			
52) 2-Fluorobiphenyl	7.345	172	59808	9.71	ng	-0.05
Spiked Amount 50.000			Recovery = 19.42%			
77) 2,4,6-Tribromophenol	8.623	330	6852	17.63	ng	-0.06
Spiked Amount 100.000			Recovery = 17.63%			
91) Terphenyl-d14	11.121	244	47180	9.27	ng	-0.07
Spiked Amount 50.000			Recovery = 18.54%			
Target Compounds						Qvalue
8) Pyridine	2.590	79	67590	20.20	ng	81
9) N-Nitrosodimethylamine	2.515	74	39971	18.79	ng	73
11) Benzaldehyde	5.125	77	43760	24.00	ng	74
12) Aniline	5.221	93	91705	19.23	ng	39
13) Pentachloroethane	5.259	117	18913	18.43	ng	94
14) bis(2-Chloroethyl)ether	5.286	93	64977	19.46	ng	86
16) Phenol	5.216	94	89022	19.32	ng	88
17) 2-Chlorophenol	5.323	128	63684	19.09	ng	87
18) N-Decane	5.382	57	73288	18.15	ng	88
19) 1,3-Dichlorobenzene	5.457	146	66122	19.14	ng	99
20) 1,4-Dichlorobenzene	5.521	146	66695	19.05	ng	97
21) 1,2-Dichlorobenzene	5.649	146	64409	19.57	ng	99
22) Benzyl alcohol	5.633	108	42970	18.84	ng	70
23) bis(2-chloroisopropyl)...	5.746	45	100383	20.88	ng	93
24) 2-Methylphenol	5.729	108	60268	19.53	ng	97
25) Acetophenone	5.847	105	89436	18.27	ng	68
26) Hexachloroethane	5.927	117	24959	19.49	ng	98
27) N-Nitroso-di-n-propyla...	5.847	70	49970	20.03	ng	73
28) 3&4-Methylphenol	5.853	108	63509	20.03	ng	93
31) Nitrobenzene	5.981	77	63437	19.10	ng	79
32) Isophorone	6.173	82	125466	19.12	ng	84
33) 2-Nitrophenol	6.232	139	28416	18.79	ng	89
34) 2,4-Dimethylphenol	6.270	107	61917	19.63	ng	92
35) Benzoic Acid	6.345	105	23027	10.73	ng	88
36) bis(2-Chloroethoxy)met...	6.339	93	77610	19.76	ng	96
37) 2,4-Dichlorophenol	6.419	162	45359	18.45	ng	92
38) 1,2,4-Trichlorobenzene	6.484	180	47697	18.11	ng	97
39) Naphthalene	6.542	128	189034	18.97	ng	99
40) 4-Chloroaniline	6.580	127	63883	20.60	ng	99
41) Hexachlorobutadiene	6.633	225	21607	18.09	ng	95
42) Caprolactam	6.842	113	22248	18.49	ng	68
43) 4-Chloro-3-methylphenol	6.944	107	53670	18.55	ng	90
44) 2-Methylnaphthalene	7.061	142	118882	18.99	ng	99
45) Methylnaphthalenes (To...	7.061	142	118882	18.99	ng	99
46) 1,1'-Biphenyl	7.425	154	157862	19.12	ng	97
48) 1,2,4,5-Tetrachloroben...	7.190	216	40489	17.47	ng	98
49) Hexachlorocyclopentadiene	7.184	237	14869	14.85	ng	99
50) 2,4,6-Trichlorophenol	7.281	196	26376	17.84	ng	97
51) 2,4,5-Trichlorophenol	7.313	196	27639	18.02	ng	98
53) 2-Chloronaphthalene	7.446	162	103867	19.37	ng	94
54) 1,4-Dimethylnaphthalene	7.714	156	82313	18.18	ng	92
55) Dimethylnaphthalenes (...	7.714	156	82313	18.18	ng	92
56) Diphenyl Ether	7.511	170	79108	18.11	ng	81
57) 2-Nitroaniline	7.521	65	41255	20.63	ng	70
58) Coumarin	7.698	146	47899	20.06	ng	78
59) Acenaphthylene	7.789	152	175520	19.41	ng	99
60) Dimethylphthalate	7.671	163	118026	18.74	ng	98
61) 2,6-Dinitrotoluene	7.719	165	25232	19.76	ng	72
62) Acenaphthene	7.933	153	111225	19.27	ng	95
63) 3-Nitroaniline	7.864	138	29093	19.84	ng	66
64) 2,4-Dinitrophenol	7.955	184	5763	13.35	ng	88
65) Dibenzofuran	8.083	168	150472	19.21	ng	89

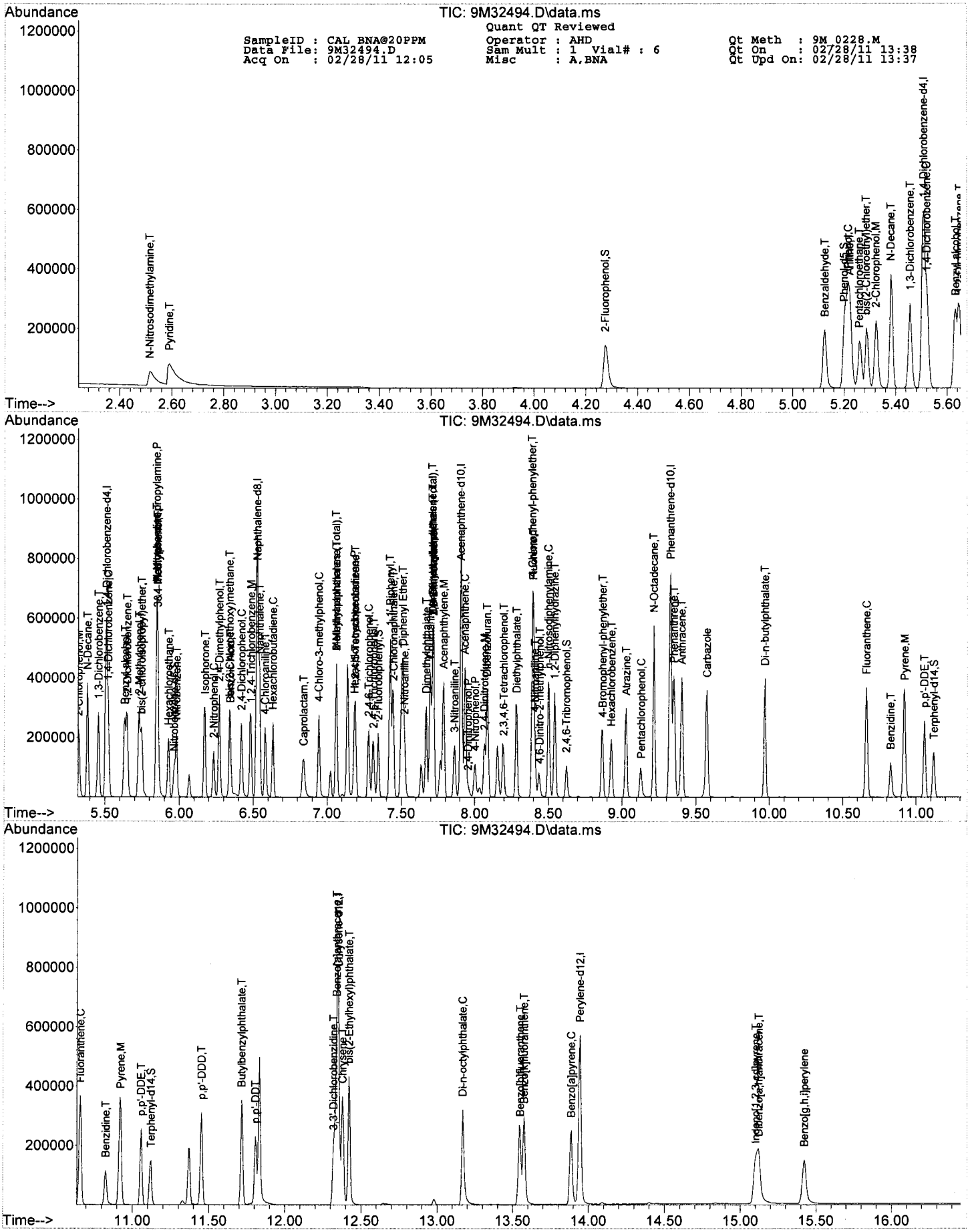
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32494.D Sam Mult : 1 Vial# : 6 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:05 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	31217	19.02	ng	69
67)	4-Nitrophenol	8.003	65	22411	19.55	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.195	232	20448	18.10	ng	96
69)	Fluorene	8.398	166	123982	19.18	ng	99
70)	4-Chlorophenyl-phenyle...	8.393	204	49689	18.49	ng	99
71)	Diethylphthalate	8.286	149	121228	19.29	ng	98
72)	4-Nitroaniline	8.409	138	33622	19.19	ng	74
73)	Atrazine	9.030	200	30055	17.35	ng	96
75)	4,6-Dinitro-2-methylph...	8.441	198	11152	19.78	ng	51
76)	n-Nitrosodiphenylamine	8.500	169	105010	19.38	ng	98
78)	1,2-Diphenylhydrazine	8.543	77	140166	20.67	ng	86
79)	4-Bromophenyl-phenylether	8.869	248	22587	18.02	ng	99
80)	Hexachlorobenzene	8.928	284	19962	17.71	ng	95
81)	N-Octadecane	9.217	57	97364	19.52	ng	86
82)	Pentachlorophenol	9.131	266	10143	14.27	ng	90
83)	Phenanthrene	9.351	178	164978	19.26	ng	99
84)	Anthracene	9.404	178	168126	19.42	ng	99
85)	Carbazole	9.575	167	168253	19.26	ng	98
86)	Di-n-butylphthalate	9.971	149	198301	19.39	ng	97
87)	Fluoranthene	10.661	202	162128	18.66	ng	98
89)	Pyrene	10.923	202	169382	19.39	ng	97
90)	Benzidine	10.827	184	51583	16.93	ng	93
92)	p,p'-DDE	11.057	246	27027	18.21	ng	88
93)	p,p'-DDD	11.453	235	52774	17.59	ng	83
94)	Butylbenzylphthalate	11.715	149	85566	19.43	ng	83
95)	p,p'-DDT	11.806	235	37455	19.90	ng	87
96)	3,3'-Dichlorobenzidine	12.319	252	36613	20.06	ng	97
97)	Benzo[a]anthracene	12.340	228	137180	18.68	ng	100
98)	Chrysene	12.378	228	131562	18.75	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.421	149	115679	19.55	ng	91
101)	Di-n-octylphthalate	13.169	149	181347	18.37	ng	99
102)	Benzo[b]fluoranthene	13.549	252	109428	17.31	ng	97
103)	Benzo[k]fluoranthene	13.576	252	119848	19.86	ng	97
104)	Benzo[a]pyrene	13.886	252	104249	17.97	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.100	276	103247	18.44	ng	91
106)	Dibenzo[a,h]anthracene	15.122	278	81305	18.60	ng	93
107)	Benzo[g,h,i]perylene	15.421	276	86224	18.56	ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M32494.D
Acq On : 02/28/11 12:05
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 13:38
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M32494.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Acenaphthylene,M
Acenaphthene-d10,I
Diethylphthalate,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->

Abundance
TIC: 9M32494.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32495.D Sam Mult : 1 Vial# : 7 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:29 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	87286	40.00	ng	-0.05
29) Naphthalene-d8	6.526	136	339127	40.00	ng	-0.05
47) Acenaphthene-d10	7.912	164	183034	40.00	ng	-0.06
74) Phenanthrene-d10	9.329	188	299035	40.00	ng	-0.06
88) Chrysene-d12	12.357	240	243189	40.00	ng	-0.06
100) Perylene-d12	13.950	264	206143	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	254289	89.53	ng	-0.05
Spiked Amount 100.000			Recovery = 89.53%			
15) Phenol-d5	5.205	99	352257	88.20	ng	-0.04
Spiked Amount 100.000			Recovery = 88.20%			
30) Nitrobenzene-d5	5.970	128	62723	44.32	ng	-0.05
Spiked Amount 50.000			Recovery = 88.64%			
52) 2-Fluorobiphenyl	7.345	172	248147	42.74	ng	-0.05
Spiked Amount 50.000			Recovery = 85.48%			
77) 2,4,6-Tribromophenol	8.629	330	32804	88.68	ng	-0.06
Spiked Amount 100.000			Recovery = 88.68%			
91) Terphenyl-d14	11.121	244	210622	42.88	ng	-0.07
Spiked Amount 50.000			Recovery = 85.76%			
Target Compounds						Qvalue
8) Pyridine	2.563	79	311480	97.52	ng	79
9) N-Nitrosodimethylamine	2.510	74	188396	92.80	ng	76
11) Benzaldehyde	5.125	77	162383	93.32	ng	80
12) Aniline	5.227	93	427259	93.89	ng	39
13) Pentachloroethane	5.264	117	80304	81.97	ng	92
14) bis(2-Chloroethyl)ether	5.291	93	276315	86.71	ng	85
16) Phenol	5.221	94	388607	88.36	ng	79
17) 2-Chlorophenol	5.328	128	273358	85.85	ng	86
18) N-Decane	5.387	57	311046	80.69	ng	87
19) 1,3-Dichlorobenzene	5.457	146	276015	83.69	ng	99
20) 1,4-Dichlorobenzene	5.526	146	280311	83.87	ng	99
21) 1,2-Dichlorobenzene	5.649	146	261922	83.39	ng	99
22) Benzyl alcohol	5.633	108	187878	86.32	ng	74
23) bis(2-chloroisopropyl)...	5.751	45	408210	88.96	ng	94
24) 2-Methylphenol	5.735	108	253121	85.93	ng	100
25) Acetophenone	5.853	105	371133	79.45	ng	67
26) Hexachloroethane	5.927	117	106525	87.15	ng	99
27) N-Nitroso-di-n-propyla...	5.858	70	205805	86.44	ng	72
28) 3&4-Methylphenol	5.863	108	258956	85.59	ng	99
31) Nitrobenzene	5.986	77	278747	89.95	ng	79
32) Isophorone	6.179	82	534576	87.30	ng	86
33) 2-Nitrophenol	6.232	139	132190	93.68	ng	89
34) 2,4-Dimethylphenol	6.275	107	262949	89.35	ng	92
35) Benzoic Acid	6.398	105	180330	90.02	ng	87
36) bis(2-Chloroethoxy)met...	6.345	93	322385	87.97	ng	96
37) 2,4-Dichlorophenol	6.425	162	194380	84.74	ng	91
38) 1,2,4-Trichlorobenzene	6.484	180	202622	82.47	ng	98
39) Naphthalene	6.543	128	781327	84.05	ng	99
40) 4-Chloroaniline	6.585	127	278819	96.37	ng	100
41) Hexachlorobutadiene	6.633	225	90538	81.25	ng	94
42) Caprolactam	6.880	113	97180	86.55	ng	68
43) 4-Chloro-3-methylphenol	6.949	107	238673	88.43	ng	89
44) 2-Methylnaphthalene	7.067	142	495670	84.87	ng	100
45) Methylnaphthalenes (To...	7.067	142	495670	84.87	ng	100
46) 1,1'-Biphenyl	7.430	154	652411	84.70	ng	96
48) 1,2,4,5-Tetrachloroben...	7.195	216	170377	77.97	ng	99
49) Hexachlorocyclopentadiene	7.184	237	84014	89.04	ng	99
50) 2,4,6-Trichlorophenol	7.281	196	119463	85.72	ng	98
51) 2,4,5-Trichlorophenol	7.318	196	128811	89.08	ng	98
53) 2-Chloronaphthalene	7.446	162	428742	84.83	ng	97
54) 1,4-Dimethylnaphthalene	7.719	156	331907	77.75	ng	93
55) Dimethylnaphthalenes (...	7.719	156	331907	77.75	ng	93
56) Diphenyl Ether	7.511	170	324270	78.73	ng	84
57) 2-Nitroaniline	7.527	65	179986	95.46	ng	67
58) Coumarin	7.709	146	199893	88.80	ng	77
59) Acenaphthylene	7.794	152	738431	86.63	ng	100
60) Dimethylphthalate	7.682	163	504554	84.98	ng	98
61) 2,6-Dinitrotoluene	7.730	165	108511	90.15	ng	64
62) Acenaphthene	7.939	153	465403	85.54	ng	95
63) 3-Nitroaniline	7.874	138	125860	91.06	ng	70
64) 2,4-Dinitrophenol	7.960	184	48150	118.34	ng	89
65) Dibenzofuran	8.094	168	628050	85.08	ng	87

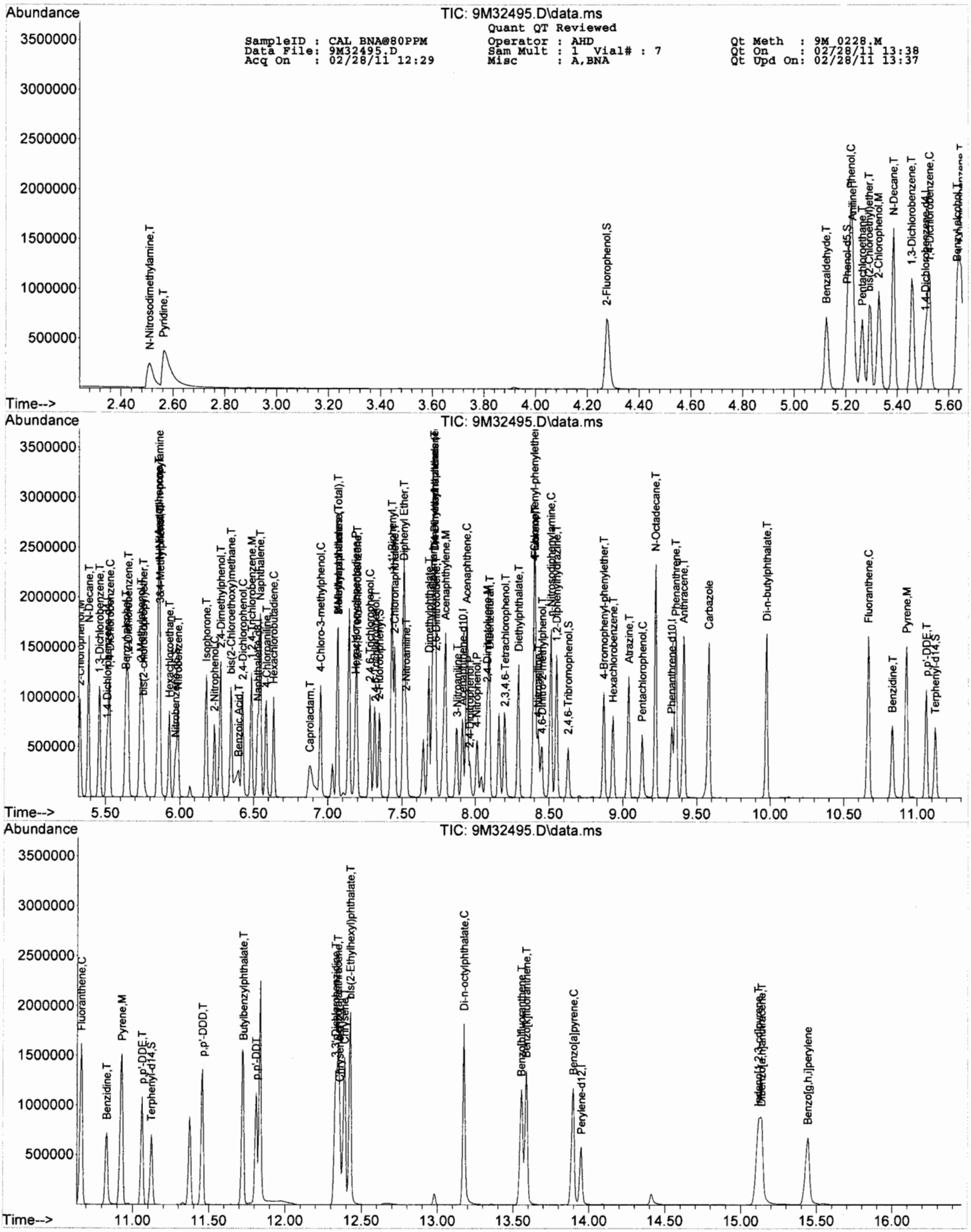
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32495.D Sam Mult : 1 Vial# : 7 Qt On : 02/28/11 13:38
Acq On : 02/28/11 12:29 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.078	165	151043	97.63	ng	71
67)	4-Nitrophenol	8.008	65	111556	103.22	ng	97
68)	2,3,4,6-Tetrachlorophenol	8.201	232	93379	87.66	ng	97
69)	Fluorene	8.404	166	519662	85.27	ng	99
70)	4-Chlorophenyl-phenyle...	8.399	204	209585	82.72	ng	95
71)	Diethylphthalate	8.292	149	515332	86.99	ng	97
72)	4-Nitroaniline	8.425	138	154166	93.32	ng	74
73)	Atrazine	9.040	200	134816	82.56	ng	95
75)	4,6-Dinitro-2-methylph...	8.452	198	70328	131.05	ng	48
76)	n-Nitrosodiphenylamine	8.511	169	450008	87.26	ng	99
78)	1,2-Diphenylhydrazine	8.548	77	591700	91.67	ng	87
79)	4-Bromophenyl-phenylether	8.869	248	100148	83.93	ng	91
80)	Hexachlorobenzene	8.933	284	87095	81.17	ng	94
81)	N-Octadecane	9.222	57	426865	89.93	ng	83
82)	Pentachlorophenol	9.131	266	60258	89.07	ng	96
83)	Phenanthrene	9.356	178	692592	84.96	ng	99
84)	Anthracene	9.409	178	716761	87.01	ng	100
85)	Carbazole	9.581	167	730947	87.93	ng	98
86)	Di-n-butylphthalate	9.976	149	896538	92.10	ng	97
87)	Fluoranthene	10.666	202	731963	88.52	ng	98
89)	Pyrene	10.928	202	736909	87.45	ng	98
90)	Benzidine	10.832	184	307735	104.72	ng	90
92)	p,p'-DDE	11.062	246	117475	82.06	ng	90
93)	p,p'-DDD	11.458	235	242146	83.69	ng	84
94)	Butylbenzylphthalate	11.725	149	403455	94.97	ng	77
95)	p,p'-DDT	11.811	235	191073	105.25	ng	92
96)	3,3'-Dichlorobenzidine	12.330	252	177508	100.82	ng	99
97)	Benzo[a]anthracene	12.346	228	608995	85.98	ng	99
98)	Chrysene	12.389	228	570801	84.34	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.426	149	539877	94.56	ng	91
101)	Di-n-octylphthalate	13.175	149	935432	95.64	ng	100
102)	Benzo[b]fluoranthene	13.555	252	533880	85.21	ng	96
103)	Benzo[k]fluoranthene	13.587	252	528562	88.39	ng	97
104)	Benzo[a]pyrene	13.897	252	509224	88.60	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.116	276	500002	90.12	ng	65
106)	Dibenzo[a,h]anthracene	15.138	278	391278	90.35	ng	94
107)	Benzo[g,h,i]perylene	15.443	276	409319	88.93	ng	89

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


Abundance
TIC: 9M32495.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M32495.D
Acq On : 02/28/11 12:29
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02728/11 13:38
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Aniline,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Time-->
Abundance
TIC: 9M32495.D\data.ms
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl Alcohol,T
bis(2-Chloroethoxy)methane,T
Hexachloroethane,T
Nitrobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
2,6-Dinitrotoluene,T
Diphenyl Ether,T
3-Nitroaniline,T
Acenaphthene-d10,I
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
2,4-Dinitrotoluene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
N-Nitrosodiphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 9M32495.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32496.D Sam Mult : 1 Vial# : 8 Qt On : 02/28/11 13:37
Acq On : 02/28/11 12:52 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	88544	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	353639	40.00	ng	-0.05
47) Acenaphthene-d10	7.912	164	192144	40.00	ng	-0.06
74) Phenanthrene-d10	9.334	188	314416	40.00	ng	-0.06
88) Chrysene-d12	12.362	240	239648	40.00	ng	-0.06
100) Perylene-d12	13.950	264	200196	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	388058	134.68	ng	-0.04
Spiked Amount 100.000			Recovery = 134.68%			
15) Phenol-d5	5.211	99	524236	129.40	ng	-0.04
Spiked Amount 100.000			Recovery = 129.40%			
30) Nitrobenzene-d5	5.970	128	96215	65.20	ng	-0.05
Spiked Amount 50.000			Recovery = 130.40%			
52) 2-Fluorobiphenyl	7.350	172	375784	61.65	ng	-0.05
Spiked Amount 50.000			Recovery = 123.30%			
77) 2,4,6-Tribromophenol	8.634	330	51269	131.82	ng	-0.05
Spiked Amount 100.000			Recovery = 131.82%			
91) Terphenyl-d14	11.126	244	313865	64.85	ng	-0.06
Spiked Amount 50.000			Recovery = 129.70%			
Target Compounds						Qvalue
8) Pyridine	2.558	79	466393	143.95	ng	80
9) N-Nitrosodimethylamine	2.510	74	282515	137.18	ng	78
11) Benzaldehyde	5.125	77	215492	122.08	ng	81
12) Aniline	5.227	93	634523	137.46	ng	40
13) Pentachloroethane	5.264	117	121904	122.67	ng	92
14) bis(2-Chloroethyl)ether	5.296	93	408438	126.35	ng	84
16) Phenol	5.227	94	574189	128.70	ng	75
17) 2-Chlorophenol	5.334	128	410153	126.99	ng	84
18) N-Decane	5.387	57	449802	115.03	ng	88
19) 1,3-Dichlorobenzene	5.462	146	413340	123.55	ng	97
20) 1,4-Dichlorobenzene	5.526	146	417522	123.14	ng	98
21) 1,2-Dichlorobenzene	5.649	146	389347	122.20	ng	98
22) Benzyl alcohol	5.639	108	281102	127.32	ng	74
23) bis(2-chloroisopropyl)...	5.751	45	597360	128.33	ng	94
24) 2-Methylphenol	5.735	108	381861	127.80	ng	98
25) Acetophenone	5.853	105	546029	115.24	ng	66
26) Hexachloroethane	5.927	117	158971	128.20	ng	99
27) N-Nitroso-di-n-propyla...	5.863	70	302384	125.20	ng	70
28) 3&4-Methylphenol	5.869	108	381637	124.34	ng	99
31) Nitrobenzene	5.986	77	423161	130.95	ng	83
32) Isophorone	6.184	82	807753	126.50	ng	85
33) 2-Nitrophenol	6.238	139	204993	139.31	ng	89
34) 2,4-Dimethylphenol	6.280	107	397377	129.48	ng	92
35) Benzoic Acid	6.419	105	309071	147.96	ng	88
36) bis(2-Chloroethoxy)met...	6.350	93	475347	124.39	ng	95
37) 2,4-Dichlorophenol	6.430	162	297608	124.42	ng	90
38) 1,2,4-Trichlorobenzene	6.484	180	307176	119.89	ng	99
39) Naphthalene	6.548	128	1166475	120.33	ng	99
40) 4-Chloroaniline	6.585	127	384019	127.28	ng	100
41) Hexachlorobutadiene	6.639	225	139101	119.71	ng	97
42) Caprolactam	6.901	113	126037	107.65	ng	72
43) 4-Chloro-3-methylphenol	6.954	107	362280	128.71	ng	88
44) 2-Methylnaphthalene	7.067	142	743940	122.16	ng	100
45) Methylnaphthalenes (To...	7.067	142	743940	122.16	ng	100
46) 1,1'-Biphenyl	7.430	154	972223	121.05	ng	96
48) 1,2,4,5-Tetrachloroben...	7.195	216	260604	113.60	ng	99
49) Hexachlorocyclopentadiene	7.184	237	136501	137.81	ng	98
50) 2,4,6-Trichlorophenol	7.286	196	188060	128.54	ng	99
51) 2,4,5-Trichlorophenol	7.318	196	197265	129.95	ng	98
53) 2-Chloronaphthalene	7.452	162	644494	121.48	ng	96
54) 1,4-Dimethylnaphthalene	7.725	156	500384	111.66	ng	92
55) Dimethylnaphthalenes (...	7.725	156	500384	111.66	ng	92
56) Diphenyl Ether	7.516	170	484948	112.16	ng	81
57) 2-Nitroaniline	7.532	65	271014	136.92	ng	63
58) Coumarin	7.719	146	297052	125.70	ng	78
59) Acenaphthylene	7.799	152	1105803	123.57	ng	99
60) Dimethylphthalate	7.687	163	768842	123.35	ng	98
61) 2,6-Dinitrotoluene	7.735	165	167846	132.84	ng	62
62) Acenaphthene	7.944	153	704801	123.40	ng	97
63) 3-Nitroaniline	7.880	138	180276	124.25	ng	70
64) 2,4-Dinitrophenol	7.965	184	84733	198.37	ng	85
65) Dibenzofuran	8.094	168	934122	120.54	ng	89

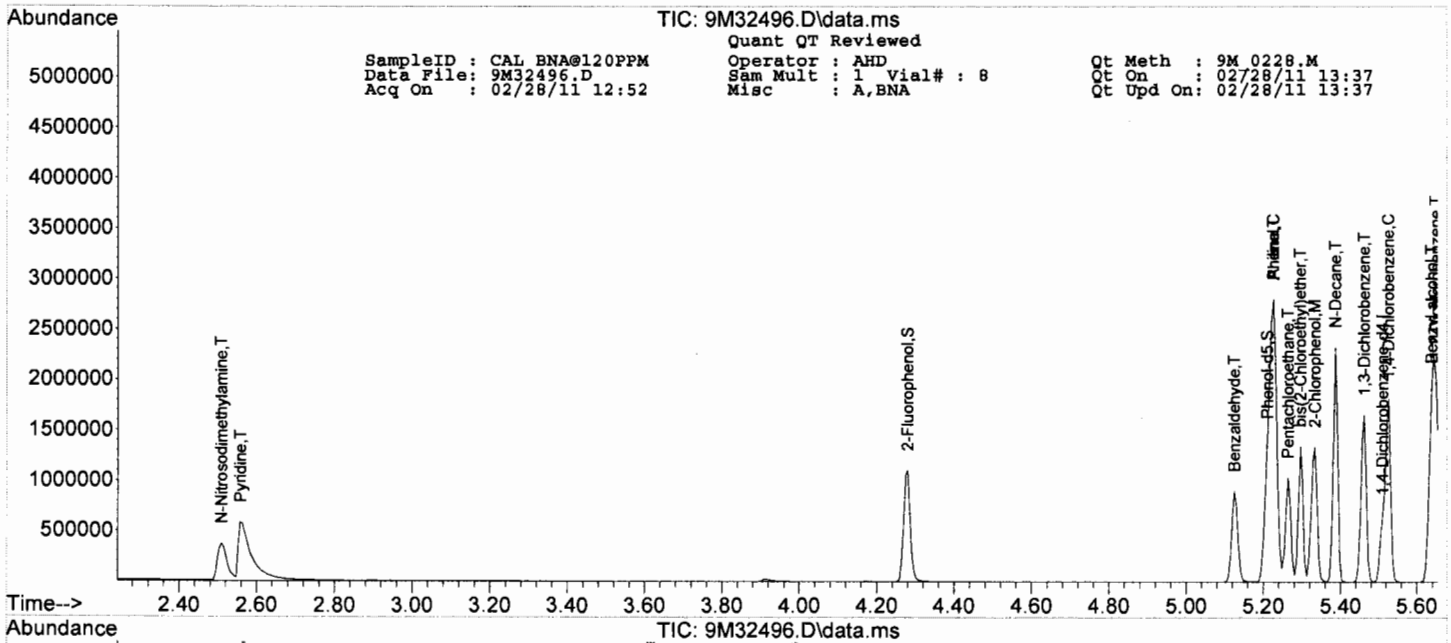
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32496.D Sam Mult : 1 Vial# : 8 Qt On : 02/28/11 13:37
Acq On : 02/28/11 12:52 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.083	165	232621	143.23	ng	76
67)	4-Nitrophenol	8.019	65	172360	151.91	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.201	232	143244	128.10	ng	96
69)	Fluorene	8.404	166	782342	122.28	ng	98
70)	4-Chlorophenyl-phenyle...	8.398	204	319842	120.25	ng	96
71)	Diethylphthalate	8.297	149	779402	125.33	ng	97
72)	4-Nitroaniline	8.436	138	231558	133.52	ng	75
73)	Atrazine	9.046	200	205970	120.15	ng	96
75)	4,6-Dinitro-2-methylph...	8.457	198	114759	203.38	ng	47
76)	n-Nitrosodiphenylamine	8.516	169	678992	125.22	ng	99
78)	1,2-Diphenylhydrazine	8.554	77	883034	130.11	ng	84
79)	4-Bromophenyl-phenylether	8.874	248	154454	123.11	ng	98
80)	Hexachlorobenzene	8.939	284	134788	119.47	ng	86
81)	N-Octadecane	9.222	57	635962	127.43	ng	85
82)	Pentachlorophenol	9.137	266	96315	135.41	ng	94
83)	Phenanthrene	9.361	178	1048689	122.36	ng	100
84)	Anthracene	9.415	178	1075281	124.14	ng	100
85)	Carbazole	9.586	167	1090805	124.80	ng	98
86)	Di-n-butylphthalate	9.976	149	1346762	131.58	ng	98
87)	Fluoranthene	10.672	202	1088928	125.24	ng	98
89)	Pyrene	10.934	202	1081816	130.28	ng	96
90)	Benzidine	10.832	184	397448	137.24	ng	92
92)	p,p'-DDE	11.062	246	177256	125.65	ng	90
93)	p,p'-DDD	11.458	235	364364	127.79	ng	86
94)	Butylbenzylphthalate	11.725	149	590310	141.01	ng	79
95)	p,p'-DDT	11.816	235	281199	157.18	ng	92
96)	3,3'-Dichlorobenzidine	12.335	252	235757	135.88	ng	98
97)	Benzo[a]anthracene	12.351	228	879277	125.97	ng	100
98)	Chrysene	12.394	228	830728	124.56	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.426	149	780490	138.72	ng	92
101)	Di-n-octylphthalate	13.175	149	1376680	144.94	ng	100
102)	Benzo[b]fluoranthene	13.560	252	790235	129.88	ng	97
103)	Benzo[k]fluoranthene	13.592	252	743860	128.09	ng	98
104)	Benzo[a]pyrene	13.902	252	731724	131.10	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.122	276	722981	134.18	ng	86
106)	Dibenzo[a,h]anthracene	15.143	278	566969	134.81	ng	94
107)	Benzo[g,h,i]perylene	15.453	276	584373	130.73	ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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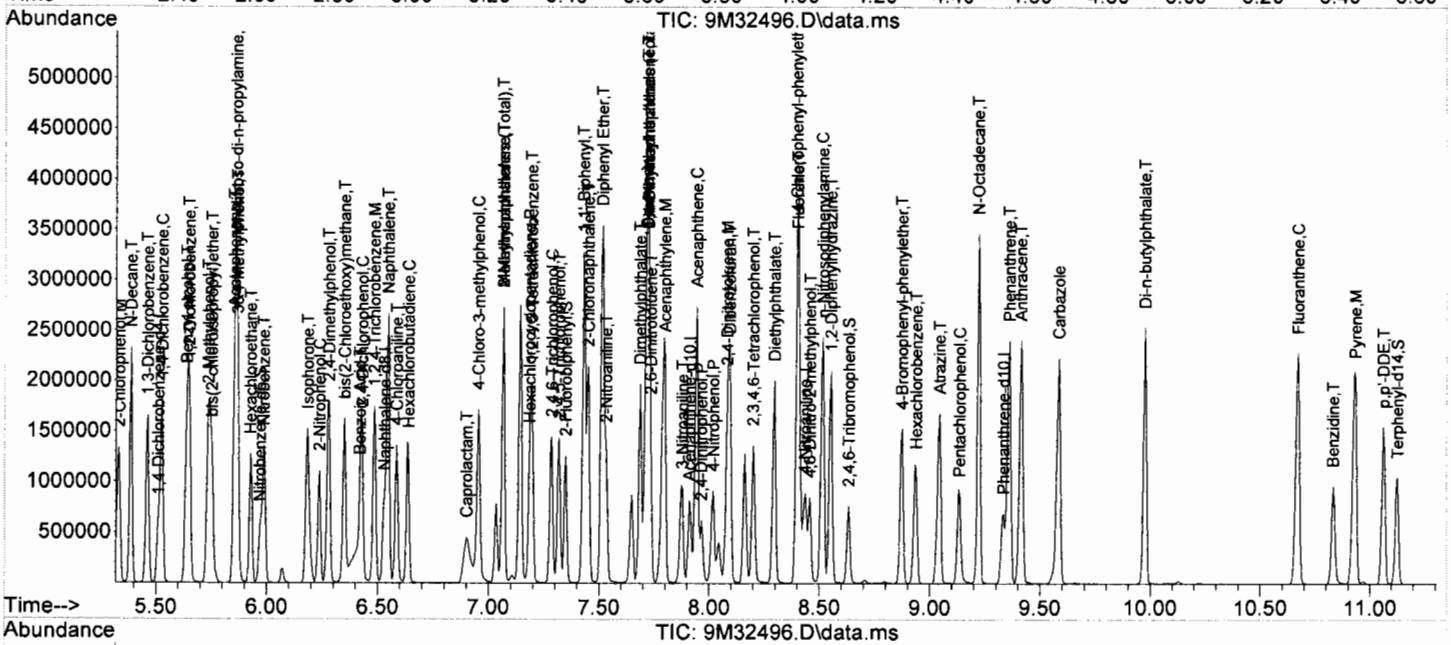
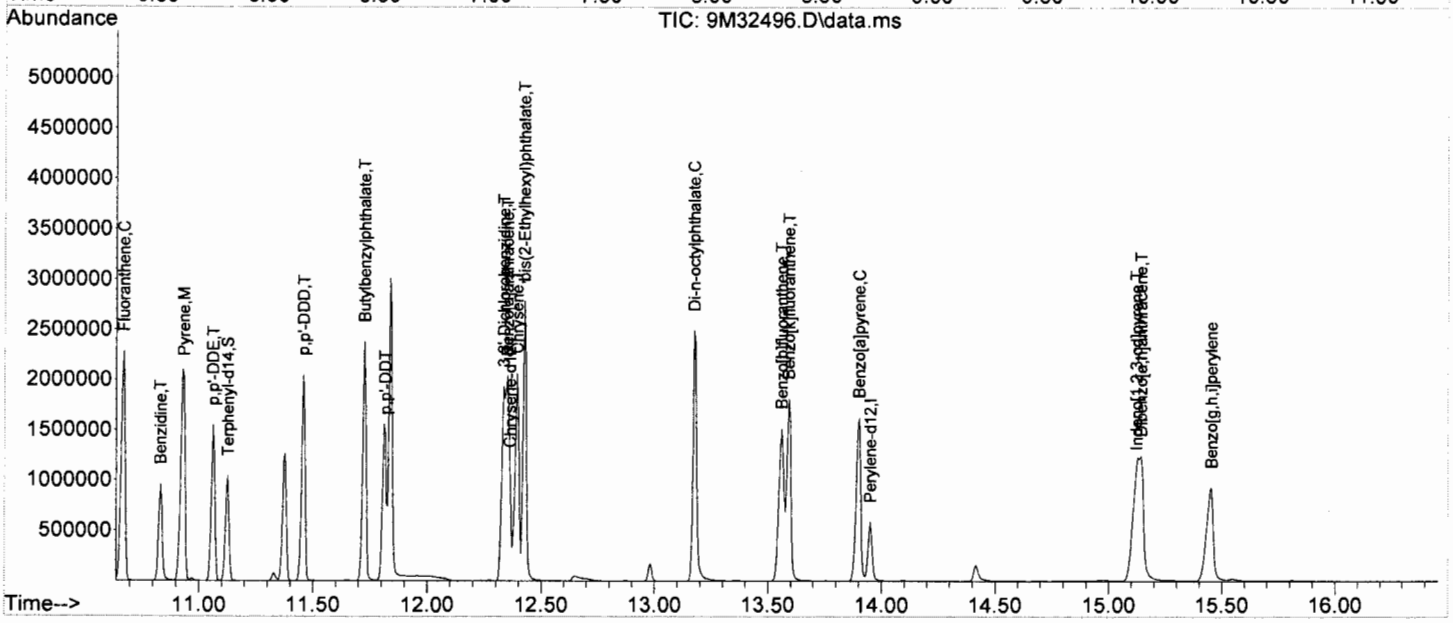
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M32496.D
Acq On : 02/28/11 12:52
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02728/11 13:37
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 9M32496.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Diphenyl Ether,T
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32496.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32497.D Sam Mult : 1 Vial# : 9 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:33 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	88371	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	347775	40.00	ng	-0.05
47) Acenaphthene-d10	7.923	164	192834	40.00	ng	-0.05
74) Phenanthrene-d10	9.340	188	312030	40.00	ng	-0.05
88) Chrysene-d12	12.367	240	242269	40.00	ng	-0.05
100) Perylene-d12	13.956	264	199175	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	511248	177.79	ng	-0.04
Spiked Amount 100.000			Recovery = 177.79%			
15) Phenol-d5	5.216	99	679321	168.01	ng	-0.03
Spiked Amount 100.000			Recovery = 168.01%			
30) Nitrobenzene-d5	5.976	128	125414	86.42	ng	-0.04
Spiked Amount 50.000			Recovery = 172.84%			
52) 2-Fluorobiphenyl	7.356	172	491622	80.36	ng	-0.04
Spiked Amount 50.000			Recovery = 160.72%			
77) 2,4,6-Tribromophenol	8.645	330	69404	179.81	ng	-0.04
Spiked Amount 100.000			Recovery = 179.81%			
91) Terphenyl-d14	11.132	244	416240	85.07	ng	-0.06
Spiked Amount 50.000			Recovery = 170.14%			
Target Compounds						Qvalue
8) Pyridine	2.558	79	609634	188.53	ng	79
9) N-Nitrosodimethylamine	2.515	74	372764	181.35	ng	77
11) Benzaldehyde	5.125	77	219750	124.73	ng	81
12) Aniline	5.232	93	811263	176.09	ng	40
13) Pentachloroethane	5.264	117	156561	157.86	ng	91
14) bis(2-Chloroethyl)ether	5.302	93	524445	162.56	ng	84
16) Phenol	5.232	94	737215	165.56	ng	77
17) 2-Chlorophenol	5.334	128	535497	166.12	ng	85
18) N-Decane	5.387	57	574166	147.13	ng	88
19) 1,3-Dichlorobenzene	5.462	146	529762	158.66	ng	97
20) 1,4-Dichlorobenzene	5.526	146	537835	158.94	ng	97
21) 1,2-Dichlorobenzene	5.655	146	500260	157.32	ng	98
22) Benzyl alcohol	5.644	108	362571	164.54	ng	73
23) bis(2-chloroisopropyl)...	5.751	45	753073	162.10	ng	95
24) 2-Methylphenol	5.740	108	489065	163.99	ng	99
25) Acetophenone	5.858	105	703271	148.71	ng	65
26) Hexachloroethane	5.927	117	205848	166.33	ng	94
27) N-Nitroso-di-n-propyla...	5.869	70	386867	160.49	ng	70
28) 3&4-Methylphenol	5.874	108	488503	159.47	ng	99
31) Nitrobenzene	5.992	77	541078	170.27	ng	81
32) Isophorone	6.190	82	1054162	167.87	ng	85
33) 2-Nitrophenol	6.238	139	268778	185.74	ng	88
34) 2,4-Dimethylphenol	6.286	107	510479	169.14	ng	92
35) Benzoic Acid	6.436	105	427447	208.08	ng	87
36) bis(2-Chloroethoxy)met...	6.355	93	614313	163.46	ng	95
37) 2,4-Dichlorophenol	6.436	162	385780	164.00	ng	90
38) 1,2,4-Trichlorobenzene	6.489	180	399092	158.39	ng	99
39) Naphthalene	6.553	128	1491120	156.42	ng	100
40) 4-Chloroaniline	6.591	127	427299	144.02	ng	99
41) Hexachlorobutadiene	6.639	225	180652	158.09	ng	96
42) Caprolactam	6.922	113	211941	184.07	ng	70
43) 4-Chloro-3-methylphenol	6.965	107	470882	170.12	ng	87
44) 2-Methylnaphthalene	7.072	142	954090	159.30	ng	100
45) Methylnaphthalenes (To...	7.072	142	954090	159.30	ng	100
46) 1,1'-Biphenyl	7.441	154	1252086	158.52	ng	95
48) 1,2,4,5-Tetrachloroben...	7.206	216	343421	149.17	ng	98
49) Hexachlorocyclopentadiene	7.195	237	184333	185.43	ng	99
50) 2,4,6-Trichlorophenol	7.291	196	245875	167.46	ng	100
51) 2,4,5-Trichlorophenol	7.329	196	263407	172.89	ng	98
53) 2-Chloronaphthalene	7.457	162	832700	156.39	ng	97
54) 1,4-Dimethylnaphthalene	7.730	156	642437	142.85	ng	91
55) Dimethylnaphthalenes (...	7.730	156	642437	142.85	ng	91
56) Diphenyl Ether	7.521	170	636111	146.59	ng	82
57) 2-Nitroaniline	7.543	65	345708	174.03	ng	59
58) Coumarin	7.730	146	379428	159.99	ng	74
59) Acenaphthylene	7.805	152	1430683	159.31	ng	100
60) Dimethylphthalate	7.698	163	997580	159.47	ng	98
61) 2,6-Dinitrotoluene	7.746	165	220407	173.81	ng	64
62) Acenaphthene	7.955	153	913453	159.36	ng	95
63) 3-Nitroaniline	7.890	138	227365	156.15	ng	68
64) 2,4-Dinitrophenol	7.976	184	117633	274.41	ng	92
65) Dibenzofuran	8.104	168	1207000	155.20	ng	88

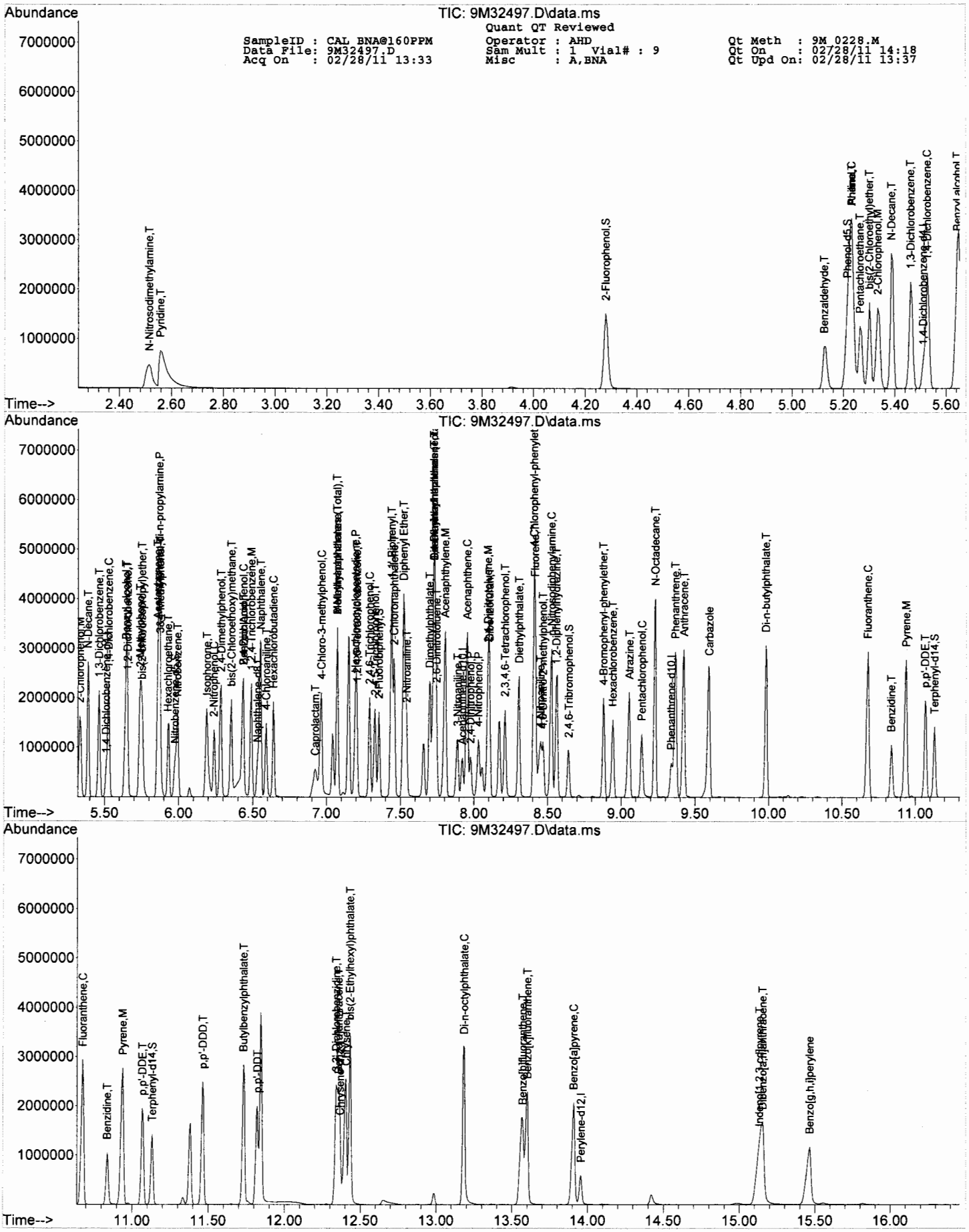
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32497.D Sam Mult : 1 Vial# : 9 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:33 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.094	165	304155	186.60 ng	78
67)	4-Nitrophenol	8.029	65	231064	202.93 ng	97
68)	2,3,4,6-Tetrachlorophenol	8.211	232	192443	171.48 ng	94
69)	Fluorene	8.415	166	1014261	157.96 ng	98
70)	4-Chlorophenyl-phenyle...	8.409	204	418991	156.96 ng	92
71)	Diethylphthalate	8.308	149	1015832	162.76 ng	97
72)	4-Nitroaniline	8.452	138	304355	174.87 ng	75
73)	Atrazine	9.056	200	271456	157.78 ng	96
75)	4,6-Dinitro-2-methylph...	8.468	198	155971	278.53 ng	41
76)	n-Nitrosodiphenylamine	8.527	169	881157	163.75 ng	99
78)	1,2-Diphenylhydrazine	8.559	77	1127943	167.47 ng	87
79)	4-Bromophenyl-phenylether	8.880	248	205029	164.68 ng	92
80)	Hexachlorobenzene	8.944	284	178605	159.52 ng	91
81)	N-Octadecane	9.233	57	810028	163.55 ng	82
82)	Pentachlorophenol	9.142	266	130267	184.54 ng	96
83)	Phenanthrene	9.367	178	1349219	158.62 ng	99
84)	Anthracene	9.425	178	1389268	161.62 ng	99
85)	Carbazole	9.597	167	1409213	162.47 ng	98
86)	Di-n-butylphthalate	9.982	149	1749408	172.23 ng	98
87)	Fluoranthene	10.677	202	1427159	165.40 ng	98
89)	Pyrene	10.939	202	1413621	168.39 ng	98
90)	Benzidine	10.838	184	435896	148.89 ng	93
92)	p,p'-DDE	11.068	246	234624	164.51 ng	89
93)	p,p'-DDD	11.463	235	480147	166.57 ng	86
94)	Butylbenzylphthalate	11.731	149	774768	183.07 ng	82
95)	p,p'-DDT	11.822	235	374423	207.03 ng	93
96)	3,3'-Dichlorobenzidine	12.340	252	280382	159.86 ng	99
97)	Benzo[a]anthracene	12.357	228	1163136	164.83 ng	100
98)	Chrysene	12.405	228	1076619	159.68 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.431	149	1017010	178.81 ng	93
101)	Di-n-octylphthalate	13.186	149	1802531	190.75 ng	100
102)	Benzo[b]fluoranthene	13.571	252	1011581	167.11 ng	98
103)	Benzo[k]fluoranthene	13.603	252	979492	169.53 ng	100
104)	Benzo[a]pyrene	13.908	252	948640	170.83 ng	98
105)	Indeno[1,2,3-cd]pyrene	15.132	276	944819	176.26 ng	85
106)	Dibenzo[a,h]anthracene	15.154	278	739592	176.75 ng	95
107)	Benzo[g,h,i]perylene	15.464	276	771162	173.41 ng	89

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


Abundance
TIC: 9M32497.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M32497.D
Acq On : 02/28/11 13:33
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 14:18
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl alcohol,T
Time-->

Abundance
TIC: 9M32497.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diphenyl Ether,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
2,4,6-Tribromophenol,S
Time-->

Abundance
TIC: 9M32497.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32498.D Sam Mult : 1 Vial# : 10 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:57 Misc : A,BNA Qt Upd On: 02/28/11 13:37

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.510	152	91246	40.00	ng	-0.05
29) Naphthalene-d8	6.532	136	367795	40.00	ng	-0.05
47) Acenaphthene-d10	7.917	164	199088	40.00	ng	-0.05
74) Phenanthrene-d10	9.334	188	319949	40.00	ng	-0.06
88) Chrysene-d12	12.367	240	245754	40.00	ng	-0.05
100) Perylene-d12	13.956	264	204273	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	631078	212.54	ng	-0.04
Spiked Amount 100.000			Recovery = 212.54%			
15) Phenol-d5	5.221	99	838566	200.86	ng	-0.03
Spiked Amount 100.000			Recovery = 200.86%			
30) Nitrobenzene-d5	5.976	128	157330	102.51	ng	-0.04
Spiked Amount 50.000			Recovery = 205.02%			
52) 2-Fluorobiphenyl	7.350	172	605897	95.93	ng	-0.05
Spiked Amount 50.000			Recovery = 191.86%			
77) 2,4,6-Tribromophenol	8.639	330	88111	222.63	ng	-0.05
Spiked Amount 100.000			Recovery = 222.63%			
91) Terphenyl-d14	11.132	244	508878	102.53	ng	-0.06
Spiked Amount 50.000			Recovery = 205.06%			
Target Compounds						Qvalue
8) Pyridine	2.558	79	752762	225.45	ng	80
9) N-Nitrosodimethylamine	2.515	74	462036	217.70	ng	76
11) Benzaldehyde	5.125	77	234426	128.87	ng	79
12) Aniline	5.232	93	983492	206.74	ng	40
13) Pentachloroethane	5.264	117	192930	188.40	ng	90
14) bis(2-Chloroethyl)ether	5.302	93	647848	194.48	ng	85
16) Phenol	5.237	94	922484	200.64	ng	81
17) 2-Chlorophenol	5.339	128	670316	201.39	ng	83
18) N-Decane	5.387	57	701264	174.03	ng	87
19) 1,3-Dichlorobenzene	5.462	146	658631	191.04	ng	98
20) 1,4-Dichlorobenzene	5.526	146	669404	191.59	ng	98
21) 1,2-Dichlorobenzene	5.649	146	615549	187.48	ng	98
22) Benzyl alcohol	5.644	108	449942	197.76	ng	72
23) bis(2-chloroisopropyl)...	5.751	45	933738	194.65	ng	96
24) 2-Methylphenol	5.740	108	611791	198.68	ng	98
25) Acetophenone	5.863	105	877273	179.66	ng	65
26) Hexachloroethane	5.927	117	259561	203.12	ng	97
27) N-Nitroso-di-n-propyla...	5.869	70	484303	194.58	ng	71
28) 3&4-Methylphenol	5.874	108	616717	194.99	ng	99
31) Nitrobenzene	5.997	77	676202	201.20	ng	77
32) Isophorone	6.189	82	1321167	198.94	ng	85
33) 2-Nitrophenol	6.243	139	341373	223.07	ng	86
34) 2,4-Dimethylphenol	6.286	107	633391	198.44	ng	92
35) Benzoic Acid	6.452	105	553318	254.69	ng	87
36) bis(2-Chloroethoxy)met...	6.355	93	766078	192.75	ng	95
37) 2,4-Dichlorophenol	6.435	162	485533	195.17	ng	90
38) 1,2,4-Trichlorobenzene	6.489	180	498748	187.17	ng	100
39) Naphthalene	6.548	128	1850100	183.51	ng	99
40) 4-Chloroaniline	6.591	127	471258	150.19	ng	99
41) Hexachlorobutadiene	6.639	225	231160	191.27	ng	97
42) Caprolactam	6.933	113	221305	181.74	ng	71
43) 4-Chloro-3-methylphenol	6.960	107	589282	201.30	ng	86
44) 2-Methylnaphthalene	7.067	142	1177024	185.83	ng	100
45) Methylnaphthalenes (To...	7.067	142	1177024	185.83	ng	100
46) 1,1'-Biphenyl	7.436	154	1548542	185.38	ng	95
48) 1,2,4,5-Tetrachloroben...	7.200	216	433168	182.24	ng	98
49) Hexachlorocyclopentadiene	7.190	237	235984	229.93	ng	99
50) 2,4,6-Trichlorophenol	7.291	196	311181	205.28	ng	100
51) 2,4,5-Trichlorophenol	7.323	196	326320	207.46	ng	99
53) 2-Chloronaphthalene	7.457	162	1029182	187.22	ng	95
54) 1,4-Dimethylnaphthalene	7.730	156	797162	171.68	ng	89
55) Dimethylnaphthalenes (...	7.730	156	797162	171.68	ng	89
56) Diphenyl Ether	7.516	170	794875	177.42	ng	82
57) 2-Nitroaniline	7.537	65	420623	205.10	ng	62
58) Coumarin	7.730	146	465955	190.30	ng	86
59) Acenaphthylene	7.805	152	1750937	188.84	ng	99
60) Dimethylphthalate	7.703	163	1224715	189.63	ng	98
61) 2,6-Dinitrotoluene	7.746	165	273539	208.94	ng	65
62) Acenaphthene	7.949	153	1132195	191.32	ng	97
63) 3-Nitroaniline	7.885	138	272563	181.31	ng	67
64) 2,4-Dinitrophenol	7.976	184	151694	342.75	ng	87
65) Dibenzofuran	8.099	168	1479315	184.24	ng	88

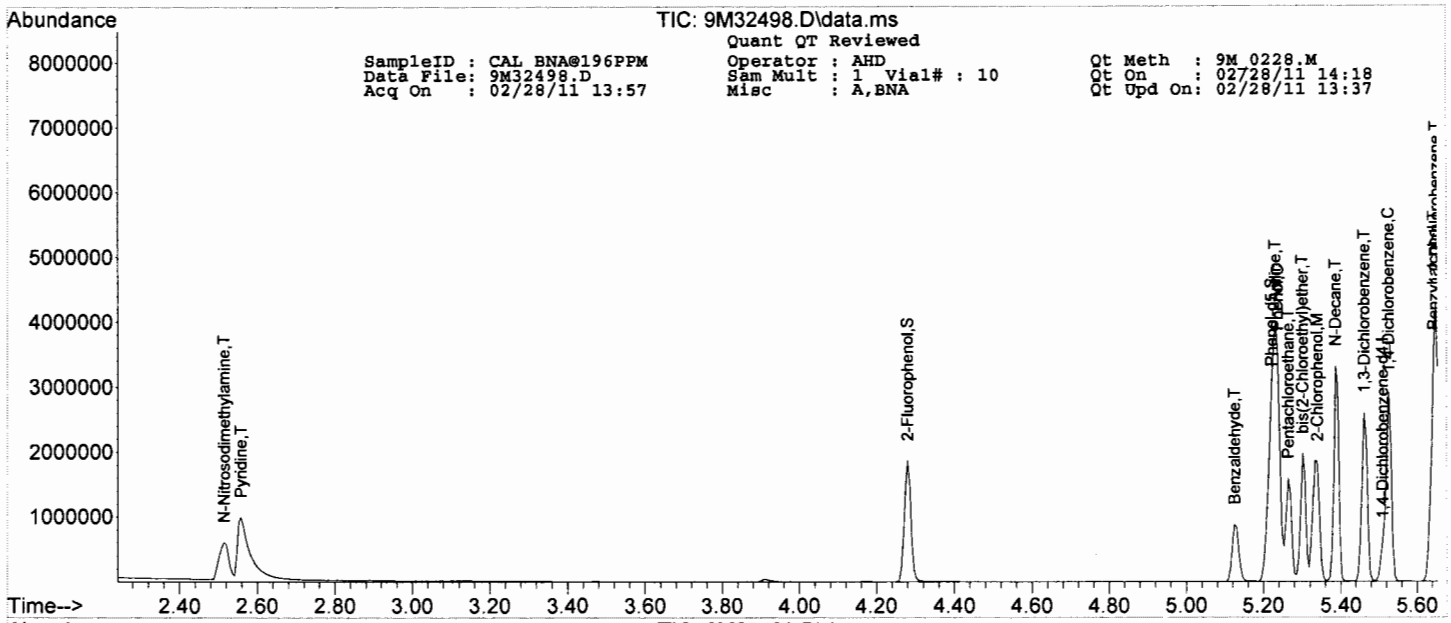
Quantitation Report (QT Reviewed)

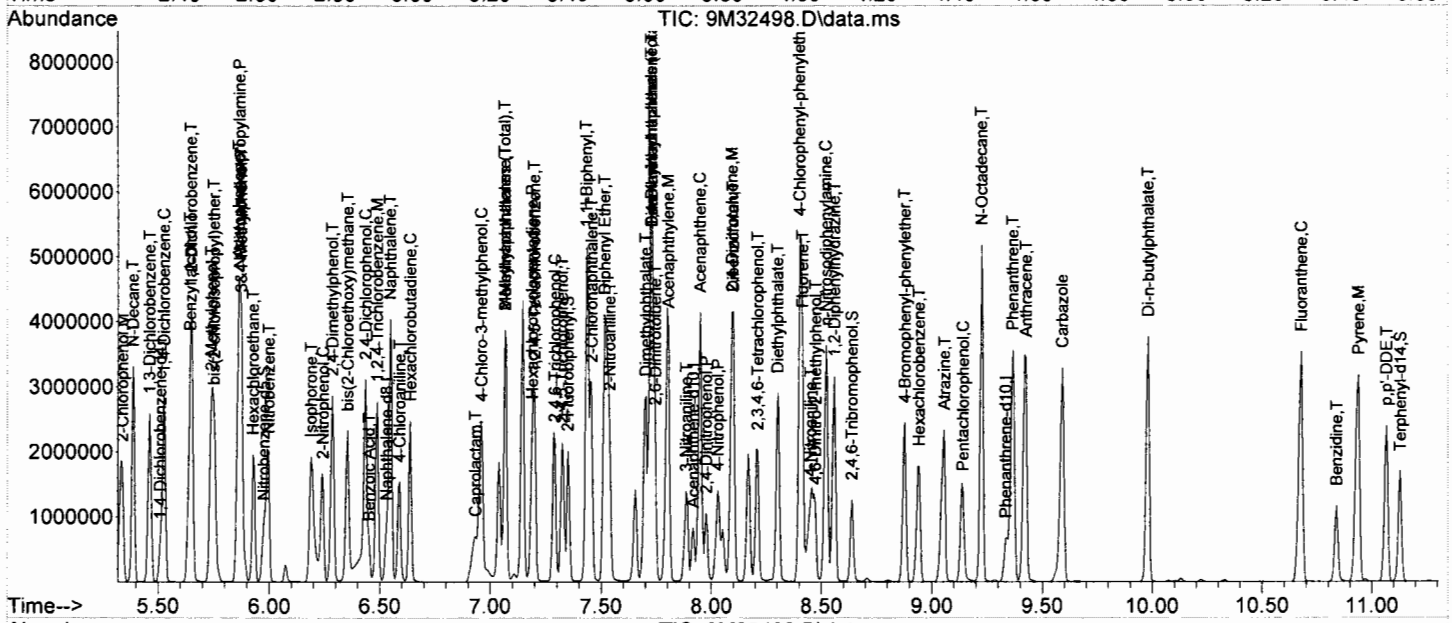
SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32498.D Sam Mult : 1 Vial# : 10 Qt On : 02/28/11 14:18
Acq On : 02/28/11 13:57 Misc : A,BNA Qt Upd On: 02/28/11 13:37

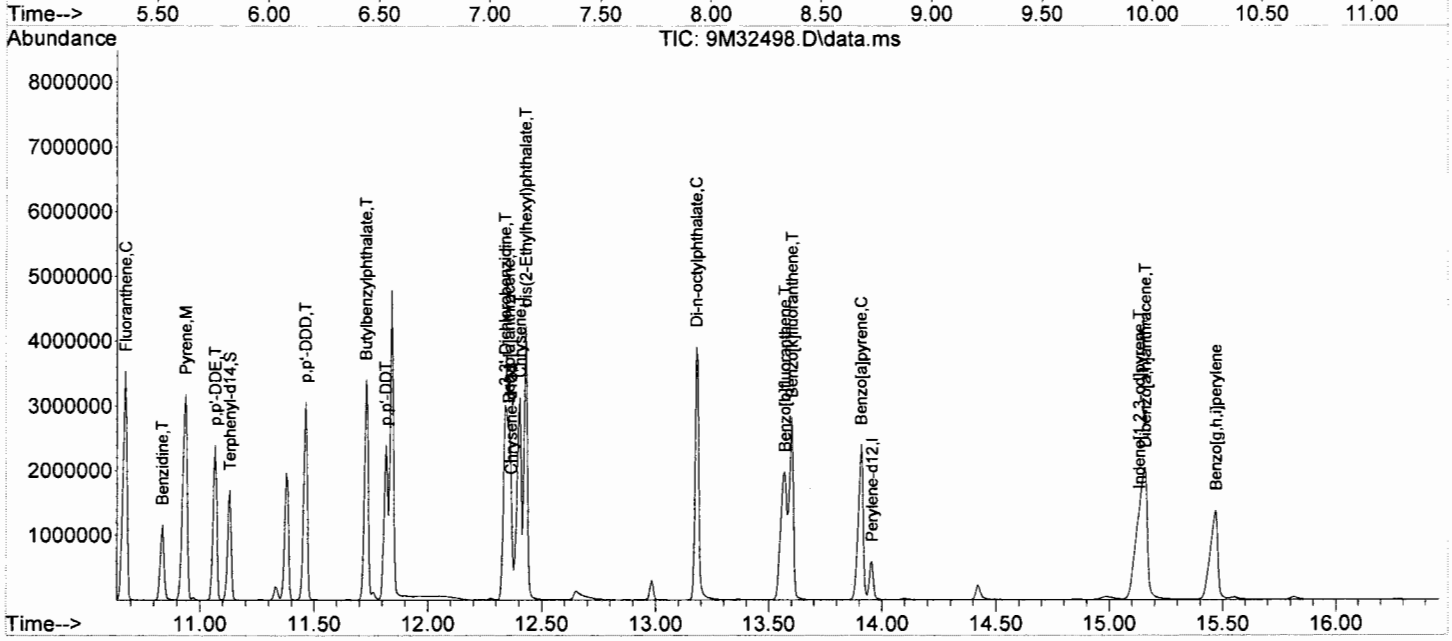
Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.094	165	374050	222.27	ng	81
67)	4-Nitrophenol	8.029	65	286906	244.05	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.211	232	237987	205.40	ng	94
69)	Fluorene	8.414	166	1251332	188.76	ng	100
70)	4-Chlorophenyl-phenyle...	8.404	204	524921	190.47	ng	94
71)	Diethylphthalate	8.302	149	1248458	193.75	ng	97
72)	4-Nitroaniline	8.452	138	370936	206.43	ng	75
73)	Atrazine	9.056	200	329644	185.59	ng	97
75)	4,6-Dinitro-2-methylph...	8.473	198	194874	339.39	ng	52
76)	n-Nitrosodiphenylamine	8.521	169	1081114	195.94	ng	99
78)	1,2-Diphenylhydrazine	8.559	77	1385573	200.63	ng	84
79)	4-Bromophenyl-phenylether	8.880	248	255077	199.80	ng	99
80)	Hexachlorobenzene	8.944	284	225935	196.80	ng	84
81)	N-Octadecane	9.227	57	986032	194.16	ng	83
82)	Pentachlorophenol	9.142	266	165442	228.57	ng	98
83)	Phenanthrene	9.367	178	1661615	190.52	ng	99
84)	Anthracene	9.425	178	1691418	191.90	ng	100
85)	Carbazole	9.591	167	1728816	194.38	ng	98
86)	Di-n-butylphthalate	9.982	149	2160994	207.48	ng	98
87)	Fluoranthene	10.677	202	1755373	198.40	ng	100
89)	Pyrene	10.939	202	1728027	202.92	ng	97
90)	Benzidine	10.837	184	484114	163.02	ng	92
92)	p,p'-DDE	11.067	246	291234	201.31	ng	90
93)	p,p'-DDD	11.463	235	594784	203.41	ng	87
94)	Butylbenzylphthalate	11.731	149	938288	218.56	ng	81
95)	p,p'-DDT	11.816	235	452426	246.61	ng	93
96)	3,3'-Dichlorobenzidine	12.340	252	334405	187.95	ng	99
97)	Benzo[a]anthracene	12.356	228	1444162	201.75	ng	100
98)	Chrysene	12.405	228	1306770	191.06	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.431	149	1229536	213.11	ng	91
101)	Di-n-octylphthalate	13.180	149	2196654	226.65	ng	99
102)	Benzo[b]fluoranthene	13.571	252	1363757	219.66	ng	98
103)	Benzo[k]fluoranthene	13.603	252	1070965	180.73	ng	99
104)	Benzo[a]pyrene	13.908	252	1180461	207.28	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.132	276	1186369	215.79	ng	88
106)	Dibenzo[a,h]anthracene	15.159	278	924225	215.36	ng	95
107)	Benzo[g,h,i]perylene	15.469	276	972547	213.23	ng	90

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


Abundance
TIC: 9M32498.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M32498.D
Acq On : 02/28/11 13:57
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 14:18
Qt Upd On: 02/28/11 13:37
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 9M32498.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,S
2-Chloronaphthalene,T
1,1-Biphenyl,T
Acenaphthylene,M
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Fluorene,T
4-Chlorophenyl-phenylether,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
Phenanthrene,T
Anthracene,T
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 9M32498.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32492.D Sam Mult : 1 Vial# : 4 Qt On : 02/28/11 12:50
Acq On : 02/28/11 11:18 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.510	152	87187	40.00 ng	-0.05
29) Naphthalene-d8	6.526	136	347494	40.00 ng	-0.05
47) Acenaphthene-d10	7.906	164	191190	40.00 ng	-0.06
74) Phenanthrene-d10	9.324	188	306969	40.00 ng	-0.07
88) Chrysene-d12	12.346	240	243314	40.00 ng	-0.07
100) Perylene-d12	13.945	264	202498	40.00 ng	-0.07
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery =	0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery =	0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D. d	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.729	108	1313	0.45 ng	95
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	5.863	108	1384	0.46 ng	93
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.270	107	1551	0.51 ng	85
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.537	128	5706	0.60 ng	99
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D. d	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D. d	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D.	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.088	168	4438	0.58 ng	93

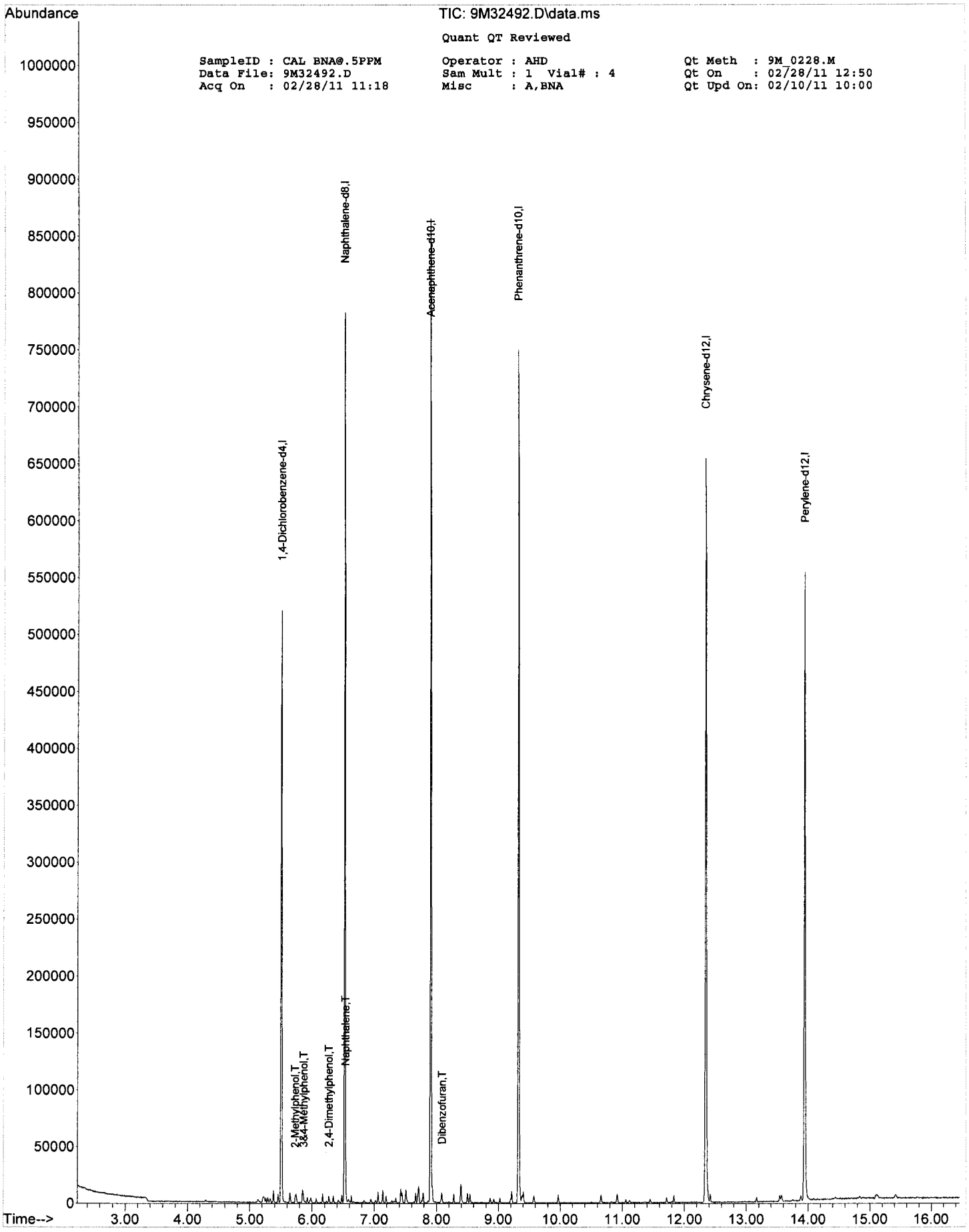
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32492.D Sam Mult : 1 Vial# : 4 Qt On : 02/28/11 12:50
Acq On : 02/28/11 11:18 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
67)	4-Nitrophenol	0.000		0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	d	
69)	Fluorene	0.000		0	N.D.	d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71)	Diethylphthalate	0.000		0	N.D.	d	
72)	4-Nitroaniline	0.000		0	N.D.	d	
73)	Atrazine	0.000		0	N.D.	d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80)	Hexachlorobenzene	0.000		0	N.D.	d	
81)	N-Octadecane	0.000		0	N.D.	d	
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	0.000		0	N.D.	d	
84)	Anthracene	0.000		0	N.D.	d	
85)	Carbazole	0.000		0	N.D.	d	
86)	Di-n-butylphthalate	0.000		0	N.D.	d	
87)	Fluoranthene	0.000		0	N.D.	d	
89)	Pyrene	0.000		0	N.D.	d	
90)	Benzidine	0.000		0	N.D.	d	
92)	p,p'-DDE	0.000		0	N.D.	d	
93)	p,p'-DDD	0.000		0	N.D.	d	
94)	Butylbenzylphthalate	0.000		0	N.D.	d	
95)	p,p'-DDT	0.000		0	N.D.	d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97)	Benzo[a]anthracene	0.000		0	N.D.	d	
98)	Chrysene	0.000		0	N.D.	d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101)	Di-n-octylphthalate	0.000		0	N.D.	d	
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
104)	Benzo[a]pyrene	0.000		0	N.D.	d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 9M32492.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@.5PPM
Data File: 9M32492.D
Acq On : 02/28/11 11:18
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 02/28/11 12:50
Qt Upd On: 02/10/11 10:00
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0260

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19424.	CAL BNA@50PPM	02/09/11 13:01	2	10M19422.	CAL BNA@2PPM	02/09/11 12:17
3	10M19421.	CAL BNA@10PPM	02/09/11 11:55	4	10M19420.	CAL BNA@20PPM	02/09/11 11:33
5	10M19419.	CAL BNA@80PPM	02/09/11 11:10	6	10M19418.	CAL BNA@120PPM	02/09/11 10:48
7	10M19417.	CAL BNA@160PPM	02/09/11 10:26	8	10M19416.	CAL BNA@196PPM	02/09/11 10:03
9	10M19423.	CAL BNA@0.5PPM	02/09/11 12:39				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.7898	1.1871	1.6384	1.6164	1.6065	1.6266	1.5953	1.6397	-----	1.59	2.86	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	1.1249	0.8431	0.9567	0.9560	0.9274	0.9797	0.9798	0.9856	-----	0.969	2.79	0.998	0.998	8.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.5545	1.1694	1.3503	1.3751	1.3309	1.3822	1.4091	1.3903	-----	1.37	4.48	0.999	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Avg	0.9907	1.1010	1.0554	1.1059	0.8147	-----	-----	-----	-----	1.01	5.31	0.986	0.998	12		50.00	2.00	10.00	20.00	80.00				
Aniline	1	0	Avg	2.4672	1.5417	1.7675	2.0910	2.1077	2.1226	2.0486	1.9004	-----	2.01	5.40	0.992	0.998	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.5483	0.5249	0.5070	0.4943	0.4753	0.4787	0.4794	0.4618	-----	0.496	5.44	0.998	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5594	1.4824	1.4996	1.4420	1.3330	1.3400	1.3494	1.2656	-----	1.41	5.46	0.996	0.998	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.9286	1.5927	1.8289	1.8251	1.7071	1.7235	1.7202	1.6789	-----	1.75	5.37	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1905	1.9681	2.0414	2.0874	1.9089	1.8779	1.8877	1.7683	-----	1.97	5.38	0.996	0.999	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.5426	1.2902	1.4484	1.4661	1.3527	1.3909	1.4044	1.3234	-----	1.40	5.50	0.998	0.998	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.4290	2.4780	2.4993	2.3198	2.0902	2.0748	1.9919	1.9204	-----	2.23	5.55	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.6000	1.5594	1.6481	1.5729	1.4392	1.4206	1.4097	1.3680	-----	1.50	5.63	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.6024	1.5632	1.6050	1.5939	1.4655	1.4303	1.4231	1.3825	-----	1.51	5.70	0.999	1.00	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.5595	1.5650	1.5633	1.4921	1.4005	1.3733	1.3680	1.2788	-----	1.45	5.82	0.996	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	1.0799	0.8474	0.9806	1.0057	0.9671	0.9541	0.9806	0.9139	-----	0.966	5.80	0.997	0.998	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	3.5834	3.5825	3.4314	3.3713	3.0479	2.9787	2.8703	2.7482	-----	3.20	5.91	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.5029	1.2615	1.4417	1.4486	1.3391	1.3298	1.3350	1.2798	1.1819	1.35	5.90	0.998	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.2732	2.1767	2.3264	2.2551	1.9441	1.8880	1.8045	1.7538	-----	2.05	6.01	0.995	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6880	0.6428	0.6830	0.6488	0.6134	0.6110	0.6100	0.5884	-----	0.636	6.10	0.998	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1510	1.0789	1.1937	1.1423	0.9842	0.9477	0.9183	0.8766	-----	1.04	6.02	0.995	0.999	12	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4865	1.3234	1.5201	1.4817	1.2559	1.2271	1.1792	1.1420	1.2570	1.32	6.02	0.995	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1757	0.1348	0.1703	0.1693	0.1662	0.1695	0.1709	0.1655	-----	0.165	6.14	0.999	1.00	7.7		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.4241	0.3836	0.4285	0.3996	0.3953	0.3858	0.3882	0.3676	-----	0.397	6.15	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7467	0.6511	0.7309	0.7415	0.7068	0.6954	0.7086	0.6746	-----	0.707	6.34	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.2035	0.1440	0.1869	0.1911	0.1966	0.1907	0.1950	0.1865	-----	0.187	6.40	0.999	0.999	9.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3915	0.3391	0.3738	0.3668	0.3616	0.3430	0.3553	0.3369	0.3266	0.355	6.43	0.998	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2528	-----	0.0981	0.1825	0.2895	0.3094	0.3344	0.3251	-----	0.256	6.51	0.998	0.999	34		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4415	0.4487	0.4469	0.4340	0.4046	0.3955	0.3985	0.3844	-----	0.419	6.51	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2947	0.2418	0.2816	0.2793	0.2784	0.2691	0.2715	0.2543	-----	0.271	6.59	0.997	0.999	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3114	0.3116	0.3184	0.3094	0.2861	0.2752	0.2742	0.2609	-----	0.293	6.65	0.997	0.999	7.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0710	1.0964	1.0704	1.0433	0.9534	0.9215	0.9370	0.8846	1.1621	1.02	6.71	0.997	0.999	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
4-Chloroaniline	1	0	Qua	0.4206	0.2875	0.3254	0.3697	0.3550	0.3033	0.2736	0.2540	-----	0.324	6.75	0.967	0.996	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1433	0.1518	0.1455	0.1373	0.1342	0.1297	0.1342	0.1220	-----	0.137	6.80	0.995	0.998	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1348	0.0900	0.1181	0.1275	0.1281	0.1287	0.1317	0.1364	-----	0.124	7.02	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3390	0.2364	0.3143	0.3214	0.3226	0.3235	0.3246	0.3066	-----	0.311	7.11	0.998	0.999	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6900	0.7059	0.6923	0.7075	0.6355	0.5997	0.6046	0.5731	-----	0.651	7.23	0.997	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6900	0.7059	0.6923	0.7075	0.6355	0.5997	0.6046	0.5731	-----	0.651	7.23	0.997	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	0.8605	0.9186	0.8879	0.8538	0.7905	0.7669	0.7632	0.7167	-----	0.820	7.60	0.997	0.999	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.4955	0.5047	0.5124	0.5131	0.4523	0.4373	0.4393	0.4186	-----	0.472	7.37	0.998	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.2655	0.1552	0.2290	0.2456	0.2600	0.2554	0.2635	0.2548	-----	0.241	7.36	1.00	1.00	15	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3430	0.2563	0.3224	0.3220	0.3319	0.3178	0.3191	0.3123	-----	0.316	7.45	0.999	1.00	8.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.86

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0261

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19424.	CAL BNA@50PPM	02/09/11 13:01	2	10M19422.	CAL BNA@2PPM	02/09/11 12:17
3	10M19421.	CAL BNA@10PPM	02/09/11 11:55	4	10M19420.	CAL BNA@20PPM	02/09/11 11:33
5	10M19419.	CAL BNA@80PPM	02/09/11 11:10	6	10M19418.	CAL BNA@120PPM	02/09/11 10:48
7	10M19417.	CAL BNA@160PPM	02/09/11 10:26	8	10M19416.	CAL BNA@196PPM	02/09/11 10:03
9	10M19423.	CAL BNA@0.5PPM	02/09/11 12:39				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3866	0.2448	0.3590	0.3734	0.3570	0.3462	0.3459	0.3382	-----	0.344	7.48	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2714	1.2847	1.2917	1.2366	1.2196	1.1721	1.1956	1.1239	-----	1.22	7.52	0.998	1.00	4.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1898	1.1971	1.2172	1.1882	1.0736	1.0404	1.0544	0.9746	-----	1.12	7.63	0.996	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	0.8820	0.9217	0.9759	0.8803	0.7882	0.7437	0.7375	0.6830	-----	0.827	7.90	0.994	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.8820	0.9217	0.9759	0.8803	0.7882	0.7437	0.7375	0.6830	-----	0.827	7.90	0.994	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8939	0.9193	0.9213	0.8579	0.8117	0.7575	0.7842	0.7448	-----	0.836	7.69	0.997	0.998	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5476	0.4063	0.5116	0.5158	0.5070	0.4802	0.4994	0.4751	-----	0.493	7.70	0.998	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5275	0.5050	0.5166	0.5130	0.4695	0.4363	0.4309	0.4026	-----	0.475	7.89	0.993	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.8543	1.8717	1.9191	1.8659	1.6970	1.6457	1.6555	1.5504	-----	1.76	7.98	0.997	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3595	1.3656	1.3806	1.3175	1.2254	1.2124	1.2248	1.1423	-----	1.28	7.85	0.997	0.999	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2853	0.2577	0.3080	0.2894	0.2630	0.2503	0.2521	0.2351	-----	0.268	7.90	0.996	0.999	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.1445	1.1604	1.1783	1.1166	1.0531	1.0094	1.0120	0.9727	-----	1.08	8.13	0.998	0.999	7.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3839	0.2641	0.3394	0.3500	0.3365	0.3135	0.3111	0.2883	-----	0.323	8.05	0.992	0.998	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1460	-----	0.0836	0.1160	0.1564	0.1624	0.1731	0.1667	-----	0.143	8.14	0.999	0.999	23	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6167	1.7277	1.7339	1.6084	1.4661	1.4354	1.3832	1.3314	1.7058	1.56	8.28	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4-Dinitrotoluene	1	0	Avg	0.4147	0.2771	0.3969	0.3916	0.4036	0.3989	0.4012	0.3823	-----	0.383	8.25	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	LinF	0.3340	0.1923	0.2828	0.3180	0.3251	0.3246	0.3385	0.3312	-----	0.306	8.18	1.00	1.00	16	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2708	0.1591	0.2610	0.2543	0.2564	0.2447	0.2478	0.2366	-----	0.241	8.38	0.998	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3071	1.3896	1.3745	1.3214	1.1946	1.1534	1.1358	1.0867	-----	1.25	8.60	0.997	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.5345	0.5688	0.5764	0.5399	0.4839	0.4855	0.4839	0.4640	-----	0.517	8.59	0.999	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3631	1.2089	1.3249	1.3639	1.2919	1.2610	1.2868	1.2089	-----	1.29	8.47	0.998	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.4037	0.2856	0.3953	0.3890	0.3801	0.3814	0.3849	0.3679	-----	0.374	8.61	0.999	0.999	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3610	0.2896	0.3372	0.3580	0.3473	0.3366	0.3386	0.3262	-----	0.337	9.22	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1307	0.0462	0.0938	0.1108	0.1274	0.1361	0.1352	0.1336	-----	0.114	8.63	0.999	0.999	27		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7168	0.6603	0.6970	0.7013	0.6354	0.6406	0.6299	0.5983	-----	0.660	8.70	0.997	0.999	6.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0778	0.0489	0.0711	0.0719	0.0741	0.0760	0.0764	0.0747	-----	0.0714	8.83	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.0098	0.9434	0.9682	0.9607	0.9139	0.9821	0.9760	0.9333	-----	0.961	8.74	0.998	0.999	3.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1779	0.1650	0.1760	0.1715	0.1654	0.1671	0.1610	0.1564	-----	0.168	9.07	0.998	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1675	0.1689	0.1723	0.1707	0.1576	0.1596	0.1567	0.1505	-----	0.163	9.13	0.998	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.8971	0.7654	0.8793	0.8695	0.7769	0.7445	0.7157	0.6586	-----	0.788	9.40	0.990	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Avg	0.1134	-----	0.0780	0.0923	0.1090	0.1136	0.1160	0.1148	-----	0.105	9.33	1.00	1.00	14	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1443	1.1393	1.1633	1.1214	1.0177	1.0232	1.0141	0.9762	-----	1.07	9.56	0.998	0.999	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1906	1.0925	1.1828	1.1608	1.0737	1.0623	1.0336	1.0112	-----	1.10	9.62	0.998	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.2087	1.0950	1.2246	1.1778	1.0974	1.0942	1.0737	1.0221	-----	1.12	9.78	0.997	0.999	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.5486	1.1275	1.4190	1.4210	1.3746	1.4019	1.3600	1.3055	-----	1.37	10.17	0.997	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2500	1.0981	1.2037	1.1992	1.0949	1.1235	1.1112	1.0759	-----	1.14	10.88	0.998	0.999	5.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3952	1.2865	1.3622	1.3773	1.3011	1.2964	1.3092	1.2980	-----	1.33	11.14	1.00	1.00	3.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.7306	0.2301	0.4837	0.6057	0.6554	0.5588	0.5119	0.4878	-----	0.533	11.04	0.976	0.996	28		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.8343	0.7047	0.7782	0.8042	0.7833	0.7764	0.8114	0.8213	-----	0.789	11.33	0.999	0.999	5.1		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.2464	0.2268	0.2270	0.2427	0.2287	0.2323	0.2421	0.2382	-----	0.236	11.27	0.999	0.999	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.4790	0.3860	0.4357	0.4666	0.4541	0.4569	0.4637	0.4576	-----	0.450	11.66	1.00	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.86

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0262

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19424.	CAL BNA@50PPM	02/09/11 13:01	2	10M19422.	CAL BNA@2PPM	02/09/11 12:17
3	10M19421.	CAL BNA@10PPM	02/09/11 11:55	4	10M19420.	CAL BNA@20PPM	02/09/11 11:33
5	10M19419.	CAL BNA@80PPM	02/09/11 11:10	6	10M19418.	CAL BNA@120PPM	02/09/11 10:48
7	10M19417.	CAL BNA@160PPM	02/09/11 10:26	8	10M19416.	CAL BNA@196PPM	02/09/11 10:03
9	10M19423.	CAL BNA@0.5PPM	02/09/11 12:39				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7685	0.4663	0.6725	0.7076	0.7231	0.7268	0.7355	0.7264	-----	0.691	11.92	1.00	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3761	0.2517	0.3479	0.3575	0.3631	0.3651	0.3712	0.3667	-----	0.350	12.01	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3740	0.1998	0.2245	0.2850	0.3390	0.3216	0.3231	0.3083	-----	0.297	12.53	0.996	0.999	20		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.1807	1.0591	1.1382	1.1263	1.0853	1.1054	1.1153	1.0972	-----	1.11	12.55	1.00	1.00	3.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.1355	1.0689	1.1304	1.1132	1.0108	1.0145	1.0277	1.0337	-----	1.07	12.60	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.0243	0.6288	0.8987	0.9621	0.9346	0.9380	0.9325	0.8953	-----	0.902	12.61	0.998	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	1.9470	1.0436	1.6222	1.7765	1.7836	1.8589	1.8310	1.7225	-----	1.70	13.36	0.997	0.999	17	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1658	0.9437	1.1314	1.1303	1.0263	1.0893	1.1204	1.0615	-----	1.08	13.76	0.998	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1513	1.0690	1.1794	1.1376	1.0806	1.0315	0.9890	0.9739	-----	1.08	13.80	0.997	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1604	0.9337	1.1332	1.0995	1.0178	1.0577	1.0336	1.0110	-----	1.06	14.11	0.999	0.999	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2095	0.9788	1.1324	1.1177	1.0823	1.1200	1.1301	1.0824	-----	1.11	15.40	0.999	0.999	5.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	0.9821	0.7916	0.9537	0.9190	0.8843	0.8984	0.9004	0.8566	-----	0.898	15.42	0.998	0.999	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0182	0.9007	0.9721	0.9671	0.9145	0.9508	0.9739	0.9276	-----	0.953	15.75	0.998	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.86
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19424.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:32
Acq On : 02/ 9/11 13:01 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	92929	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	385671	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	209799	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	333518	40.00	ng	0.00
88) Chrysene-d12	12.570	240	304851	40.00	ng	0.00
100) Perylene-d12	14.164	264	287219	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	180575	56.46	ng	0.00
Spiked Amount 100.000			Recovery = 56.46%			
15) Phenol-d5	5.371	99	224035	55.47	ng	0.00
Spiked Amount 100.000			Recovery = 55.47%			
30) Nitrobenzene-d5	6.136	128	42372	25.90	ng	0.00
Spiked Amount 50.000			Recovery = 51.80%			
52) 2-Fluorobiphenyl	7.521	172	166722	29.84	ng	0.00
Spiked Amount 50.000			Recovery = 59.68%			
77) 2,4,6-Tribromophenol	8.826	330	32437	54.29	ng	0.00
Spiked Amount 100.000			Recovery = 54.29%			
91) Terphenyl-d14	11.330	244	158973	26.54	ng	0.00
Spiked Amount 50.000			Recovery = 53.08%			
Target Compounds						Qvalue
8) Pyridine	2.863	79	207906	56.92	ng	95
9) N-Nitrosodimethylamine	2.793	74	130672	59.55	ng	95
11) Benzaldehyde	5.307	77	115091	48.88	ng	78
12) Aniline	5.403	93	286596	62.75	ng	77
13) Pentachloroethane	5.441	117	63696	55.56	ng	93
14) bis(2-Chloroethyl)ether	5.462	93	181151	53.76	ng	97
16) Phenol	5.382	94	254461	56.78	ng	92
17) 2-Chlorophenol	5.505	128	179194	54.95	ng	89
18) N-Decane	5.553	57	282160	54.66	ng	96
19) 1,3-Dichlorobenzene	5.633	146	185869	52.93	ng	97
20) 1,4-Dichlorobenzene	5.697	146	186147	52.93	ng	99
21) 1,2-Dichlorobenzene	5.820	146	181158	54.68	ng	99
22) Benzyl alcohol	5.799	108	125443	56.33	ng	77
23) bis(2-chloroisopropyl)...	5.911	45	416259	56.40	ng	92
24) 2-Methylphenol	5.895	108	174582	57.06	ng	95
25) Acetophenone	6.013	105	264064	54.89	ng	80
26) Hexachloroethane	6.099	117	79927	54.16	ng	100
27) N-Nitroso-di-n-propyla...	6.018	70	133707	55.95	ng	92
28) 3&4-Methylphenol	6.018	108	172676	56.53	ng	97
31) Nitrobenzene	6.152	77	204462	53.05	ng	80
32) Isophorone	6.339	82	360006	52.62	ng	90
33) 2-Nitrophenol	6.398	139	98142	53.64	ng	88
34) 2,4-Dimethylphenol	6.430	107	188740	55.69	ng	100
35) Benzoic Acid	6.505	105	121891	50.03	ng	90
36) bis(2-Chloroethoxy)met...	6.505	93	212878	52.95	ng	97
37) 2,4-Dichlorophenol	6.585	162	142089	54.10	ng	89
38) 1,2,4-Trichlorobenzene	6.650	180	150160	52.68	ng	99
39) Naphthalene	6.708	128	516337	53.16	ng	99
40) 4-Chloroaniline	6.746	127	202774	69.00	ng	90
41) Hexachlorobutadiene	6.799	225	69106	52.26	ng	95
42) Caprolactam	7.024	113	65002	54.15	ng	64
43) 4-Chloro-3-methylphenol	7.109	107	163447	53.26	ng	85
44) 2-Methylnaphthalene	7.233	142	332642	53.50	ng	99
45) Methylnaphthalenes (To...	7.233	142	332642	53.50	ng	99
46) 1,1'-Biphenyl	7.602	154	414837	52.70	ng	97
48) 1,2,4,5-Tetrachloroben...	7.366	216	129964	53.08	ng	98
49) Hexachlorocyclopentadiene	7.356	237	69643	53.99	ng	99
50) 2,4,6-Trichlorophenol	7.452	196	89965	53.83	ng	97
51) 2,4,5-Trichlorophenol	7.484	196	101393	57.39	ng	95
53) 2-Chloronaphthalene	7.628	162	312028	54.12	ng	94
54) 1,4-Dimethylnaphthalene	7.901	156	231307	54.26	ng	96
55) Dimethylnaphthalenes (...	7.901	156	231307	54.26	ng	96
56) Diphenyl Ether	7.687	170	234434	54.50	ng	86
57) 2-Nitroaniline	7.703	65	143621	55.69	ng	73
58) Coumarin	7.885	146	138346	56.08	ng	65
59) Acenaphthylene	7.976	152	486305	53.45	ng	100
60) Dimethylphthalate	7.848	163	356542	54.25	ng	100
61) 2,6-Dinitrotoluene	7.901	165	74830	53.98	ng	78
62) Acenaphthene	8.126	153	300157	53.31	ng	98
63) 3-Nitroaniline	8.051	138	100690	62.51	ng	77
64) 2,4-Dinitrophenol	8.142	184	38293	51.27	ng	47
65) Dibenzofuran	8.281	168	424002	52.55	ng	90

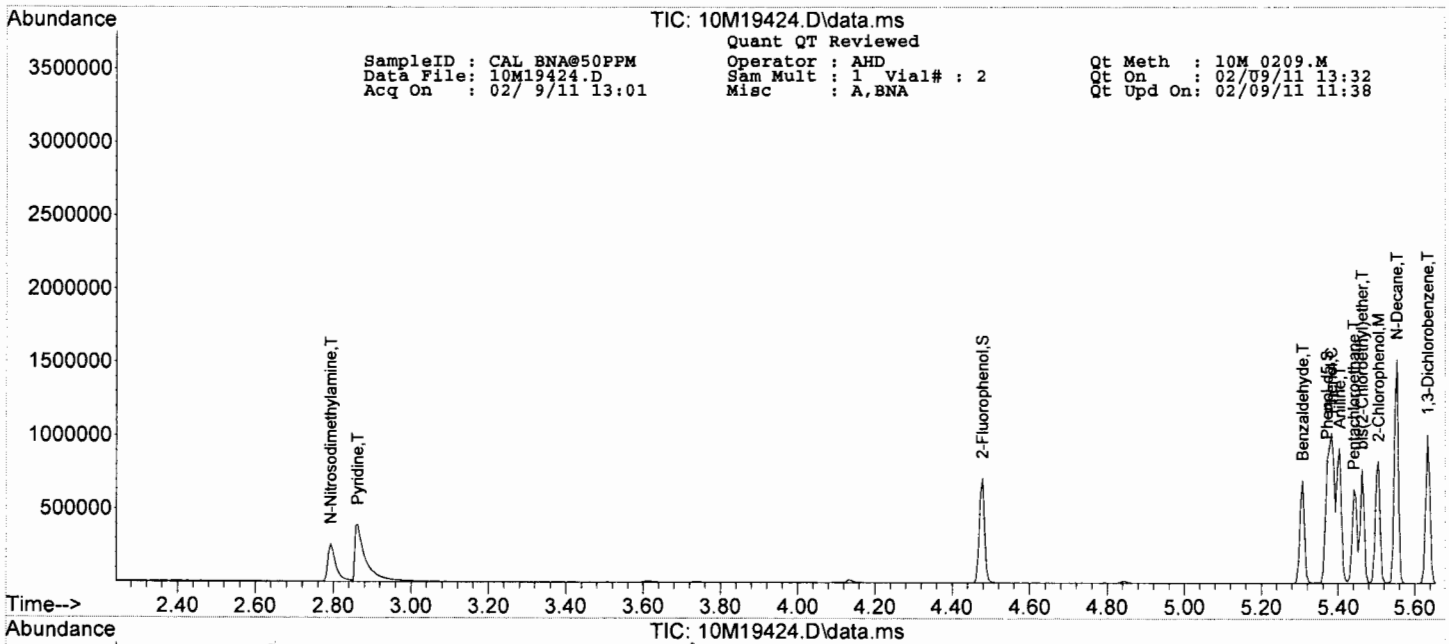
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19424.D Sam Mult : 1 Vial# : 2 Qt On : 02/09/11 13:32
Acq On : 02/ 9/11 13:01 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.254	165	108773	53.98	ng	75
67)	4-Nitrophenol	8.179	65	87590	55.04	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.382	232	71041	56.93	ng	95
69)	Fluorene	8.596	166	342792	53.52	ng	99
70)	4-Chlorophenyl-phenyle...	8.586	204	140177	51.83	ng	97
71)	Diethylphthalate	8.468	149	357483	52.72	ng	99
72)	4-Nitroaniline	8.607	138	105884	55.31	ng	80
73)	Atrazine	9.222	200	94673	54.18	ng	98
75)	4,6-Dinitro-2-methylph...	8.629	198	54504	57.12	ng	36
76)	n-Nitrosodiphenylamine	8.698	169	298864	54.85	ng	99
78)	1,2-Diphenylhydrazine	8.741	77	421015	51.83	ng	90
79)	4-Bromophenyl-phenylether	9.067	248	74183	53.26	ng	97
80)	Hexachlorobenzene	9.131	284	69844	51.59	ng	94
81)	N-Octadecane	9.404	57	374023	57.17	ng	94
82)	Pentachlorophenol	9.329	266	47290	54.35	ng	98
83)	Phenanthrene	9.559	178	477074	53.36	ng	99
84)	Anthracene	9.618	178	496395	54.49	ng	100
85)	Carbazole	9.784	167	503924	54.13	ng	99
86)	Di-n-butylphthalate	10.169	149	645630	57.10	ng	98
87)	Fluoranthene	10.880	202	521154	55.44	ng	100
89)	Pyrene	11.142	202	531693	52.54	ng	96
90)	Benzidine	11.035	184	278441	60.51	ng	93
92)	4,4'-DDE	11.265	246	93902	51.97	ng	90
93)	4,4'-DDD	11.661	235	182534	53.15	ng	83
94)	Butylbenzylphthalate	11.918	149	292876	54.95	ng	79
95)	4,4'-DDT	12.014	235	143353	53.42	ng	89
96)	3,3'-Dichlorobenzidine	12.533	252	142520	72.37	ng	100
97)	Benzo[a]anthracene	12.554	228	449930	53.41	ng	99
98)	Chrysene	12.597	228	432734	53.13	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.613	149	390351	56.23	ng	95
101)	Di-n-octylphthalate	13.357	149	699034	57.64	ng	100
102)	Benzo[b]fluoranthene	13.763	252	418552	55.62	ng	99
103)	Benzo[k]fluoranthene	13.795	252	413361	53.46	ng	98
104)	Benzo[a]pyrene	14.106	252	416633	55.85	ng	98
105)	Indeno[1,2,3-cd]pyrene	15.400	276	434258	55.40	ng	91
106)	Dibenzo[a,h]anthracene	15.421	278	352599	55.60	ng	98
107)	Benzo[g,h,i]perylene	15.753	276	365586	54.10	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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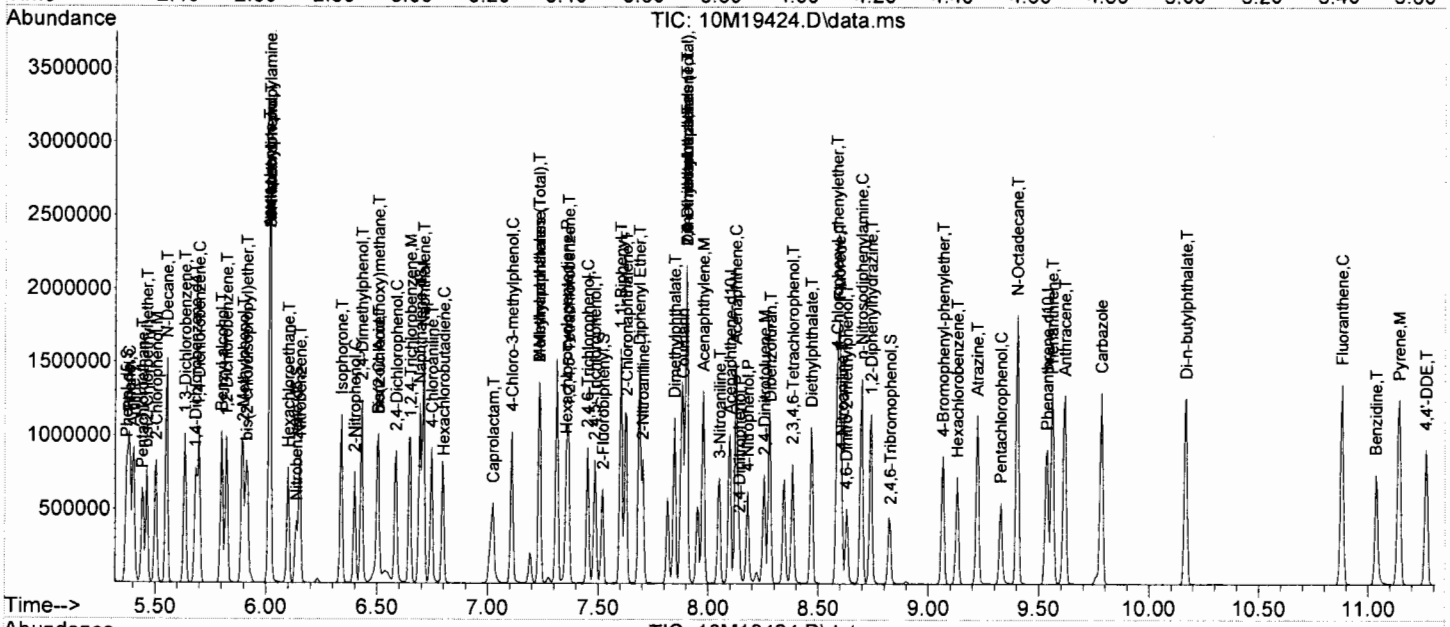
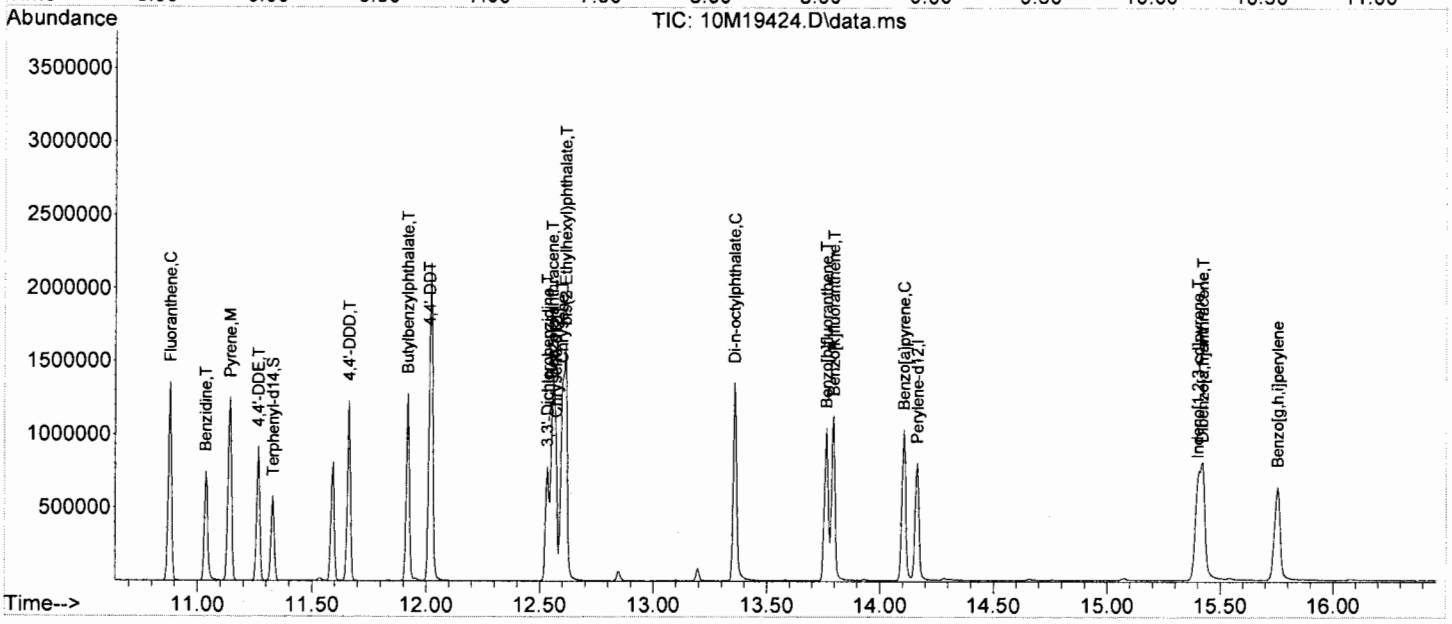
TIC: 10M19424.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19424.D
Acq On : 02/ 9/11 13:01
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 13:32
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19424.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,T
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->


Abundance
TIC: 10M19424.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19422.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:35
Acq On : 02/ 9/11 12:17 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	96852	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	374256	40.00	ng	0.00
47) Acenaphthene-d10	8.094	164	207919	40.00	ng	0.00
74) Phenanthrene-d10	9.532	188	332599	40.00	ng	0.00
88) Chrysene-d12	12.565	240	305167	40.00	ng	0.00
100) Perylene-d12	14.164	264	281775	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	5663	1.70	ng	0.00
Spiked Amount 100.000			Recovery = 1.70%			
15) Phenol-d5	5.371	99	7713	1.83	ng	0.00
Spiked Amount 100.000			Recovery = 1.83%			
30) Nitrobenzene-d5	6.136	128	1262	0.80	ng	0.00
Spiked Amount 50.000			Recovery = 1.60%			
52) 2-Fluorobiphenyl	7.521	172	6678	1.21	ng	0.00
Spiked Amount 50.000			Recovery = 2.42%			
77) 2,4,6-Tribromophenol	8.826	330	814	1.37	ng	0.00
Spiked Amount 100.000			Recovery = 1.37%			
91) Terphenyl-d14	11.330	244	5377	0.90	ng	0.00
Spiked Amount 50.000			Recovery = 1.80%			
Target Compounds						Qvalue
8) Pyridine	2.943	79	5749	1.51	ng	97
9) N-Nitrosodimethylamine	2.825	74	4083	1.79	ng	91
11) Benzaldehyde	5.307	77	5332	2.17	ng	96
12) Aniline	5.403	93	7466	1.57	ng	82
13) Pentachloroethane	5.441	117	2542	2.13	ng	97
14) bis(2-Chloroethyl)ether	5.462	93	7179	2.04	ng	94
16) Phenol	5.382	94	9531	2.04	ng	91
17) 2-Chlorophenol	5.500	128	6248	1.84	ng	92
18) N-Decane	5.553	57	12000	2.23	ng	94
19) 1,3-Dichlorobenzene	5.633	146	7552	2.06	ng	99
20) 1,4-Dichlorobenzene	5.698	146	7570	2.07	ng	95
21) 1,2-Dichlorobenzene	5.821	146	7579	2.19	ng	97
22) Benzyl alcohol	5.799	108	4104	1.77	ng	72
23) bis(2-chloroisopropyl)...	5.911	45	17349	2.26	ng	90
24) 2-Methylphenol	5.890	108	6109	1.92	ng	97
25) Acetophenone	6.013	105	10541	2.10	ng	83
26) Hexachloroethane	6.099	117	3113	2.02	ng	92
27) N-Nitroso-di-n-propyla...	6.013	70	5225	2.10	ng	86
28) 3&4-Methylphenol	6.018	108	6409	2.01	ng	92
31) Nitrobenzene	6.147	77	7180	1.92	ng	91
32) Isophorone	6.334	82	12185	1.84	ng	94
33) 2-Nitrophenol	6.398	139	2696	1.52	ng	84
34) 2,4-Dimethylphenol	6.430	107	6346	1.93	ng	96
35) Benzoic Acid	0.000		0	N.D.	d	
36) bis(2-Chloroethoxy)met...	6.500	93	8398	2.15	ng	95
37) 2,4-Dichlorophenol	6.585	162	4526	1.78	ng	88
38) 1,2,4-Trichlorobenzene	6.644	180	5832	2.11	ng	95
39) Naphthalene	6.708	128	20517	2.18	ng	98
40) 4-Chloroaniline	6.746	127	5381	1.89	ng	84
41) Hexachlorobutadiene	6.794	225	2841	2.21	ng	91
42) Caprolactam	6.992	113	1685	1.45	ng	62
43) 4-Chloro-3-methylphenol	7.104	107	4425	1.49	ng	71
44) 2-Methylnaphthalene	7.233	142	13210	2.19	ng	97
45) Methylnaphthalenes (To...	7.233	142	13210	2.19	ng	97
46) 1,1'-Biphenyl	7.602	154	17190	2.25	ng	94
48) 1,2,4,5-Tetrachloroben...	7.366	216	5247	2.16	ng	96
49) Hexachlorocyclopentadiene	7.356	237	1614	1.26	ng	96
50) 2,4,6-Trichlorophenol	7.452	196	2665	1.61	ng	93
51) 2,4,5-Trichlorophenol	7.484	196	2545	1.45	ng	95
53) 2-Chloronaphthalene	7.623	162	12445	2.18	ng	94
54) 1,4-Dimethylnaphthalene	7.901	156	9582	2.27	ng	94
55) Dimethylnaphthalenes (...	7.901	156	9582	2.27	ng	94
56) Diphenyl Ether	7.687	170	9557	2.24	ng	82
57) 2-Nitroaniline	7.698	65	4224	1.65	ng	64
58) Coumarin	7.880	146	5250	2.15	ng	68
59) Acenaphthylene	7.976	152	19459	2.16	ng	96
60) Dimethylphthalate	7.842	163	14197	2.18	ng	99
61) 2,6-Dinitrotoluene	7.896	165	2680	1.95	ng	80
62) Acenaphthene	8.126	153	12064	2.16	ng	96
63) 3-Nitroaniline	8.046	138	2746	1.72	ng	98
64) 2,4-Dinitrophenol	0.000		0	N.D.		
65) Dibenzofuran	8.276	168	17962	2.25	ng	92

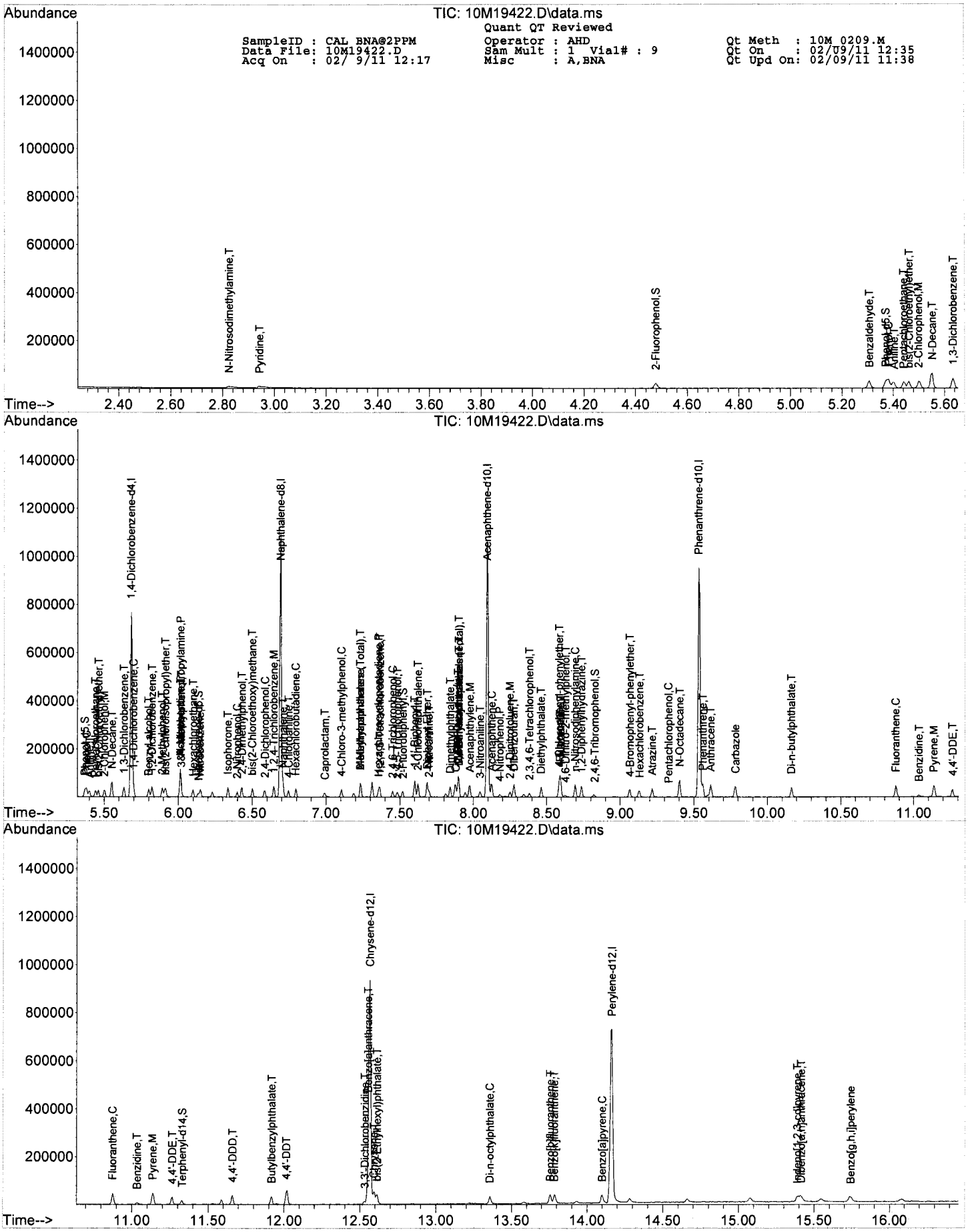
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19422.D Sam Mult : 1 Vial# : 9 Qt On : 02/09/11 12:35
Acq On : 02/ 9/11 12:17 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.249	165	2881	1.44 ng	89
67)	4-Nitrophenol	8.179	65	2000	1.27 ng	99
68)	2,3,4,6-Tetrachlorophenol	8.383	232	1654	1.34 ng	97
69)	Fluorene	8.591	166	14447	2.28 ng	98
70)	4-Chlorophenyl-phenyle...	8.586	204	5914	2.21 ng	94
71)	Diethylphthalate	8.463	149	12568	1.87 ng	100
72)	4-Nitroaniline	8.596	138	2970	1.57 ng	94
73)	Atrazine	9.217	200	3011	1.74 ng	93
75)	4,6-Dinitro-2-methylph...	8.629	198	769	0.81 ng	38
76)	n-Nitrosodiphenylamine	8.693	169	10982	2.02 ng	98
78)	1,2-Diphenylhydrazine	8.736	77	15690	1.94 ng	97
79)	4-Bromophenyl-phenylether	9.067	248	2744	1.98 ng	94
80)	Hexachlorobenzene	9.131	284	2809	2.08 ng	84
81)	N-Octadecane	9.404	57	12730	1.95 ng	98
82)	Pentachlorophenol	9.329	266	408	0.47 ng	86
83)	Phenanthrene	9.559	178	18947	2.13 ng	96
84)	Anthracene	9.613	178	18169	2.00 ng	98
85)	Carbazole	9.784	167	18210	1.96 ng	96
86)	Di-n-butylphthalate	10.164	149	18751	1.66 ng	100
87)	Fluoranthene	10.875	202	18262	1.95 ng	88
89)	Pyrene	11.137	202	19630	1.94 ng	96
90)	Benzidine	11.035	184	3512	0.76 ng	97
92)	4,4'-DDE	11.265	246	3461	1.91 ng	90
93)	4,4'-DDD	11.661	235	5890	1.71 ng	87
94)	Butylbenzylphthalate	11.918	149	7116	1.33 ng	77
95)	4,4'-DDT	12.014	235	3841	1.43 ng	87
96)	3,3'-Dichlorobenzidine	12.533	252	3050	1.55 ng	84
97)	Benzo[a]anthracene	12.554	228	16161	1.92 ng	99
98)	Chrysene	12.592	228	16310	2.00 ng	98
99)	bis(2-Ethylhexyl)phtha...	12.613	149	9595	1.38 ng	98
101)	Di-n-octylphthalate	13.357	149	14704	1.24 ng	94
102)	Benzo[b]fluoranthene	13.758	252	13296m	1.80 ng	
103)	Benzo[k]fluoranthene	13.785	252	15062m	1.99 ng	
104)	Benzo[a]pyrene	14.100	252	13156	1.80 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.389	276	13790	1.79 ng	92
106)	Dibenzo[a,h]anthracene	15.416	278	11153	1.79 ng	88
107)	Benzo[g,h,i]perylene	15.742	276	12691	1.91 ng	87

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


Abundance
TIC: 10M19422.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M19422.D
Acq On : 02/ 9/11 12:17
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 12:35
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19421.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:23
Acq On : 02/ 9/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	91922	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	374430	40.00	ng	0.00
47) Acenaphthene-d10	8.094	164	201267	40.00	ng	0.00
74) Phenanthrene-d10	9.532	188	324270	40.00	ng	0.00
88) Chrysene-d12	12.565	240	301618	40.00	ng	0.00
100) Perylene-d12	14.164	264	279468	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	31032	9.81	ng	0.00
Spiked Amount 100.000			Recovery = 9.81%			
15) Phenol-d5	5.371	99	42031	10.52	ng	0.00
Spiked Amount 100.000			Recovery = 10.52%			
30) Nitrobenzene-d5	6.136	128	7971	5.02	ng	0.00
Spiked Amount 50.000			Recovery = 10.04%			
52) 2-Fluorobiphenyl	7.516	172	32497	6.06	ng	0.00
Spiked Amount 50.000			Recovery = 12.12%			
77) 2,4,6-Tribromophenol	8.821	330	5765	9.92	ng	0.00
Spiked Amount 100.000			Recovery = 9.92%			
91) Terphenyl-d14	11.330	244	29343	4.95	ng	0.00
Spiked Amount 50.000			Recovery = 9.90%			
Target Compounds						Qvalue
8) Pyridine	2.889	79	37652	10.42	ng	90
9) N-Nitrosodimethylamine	2.804	74	21987	10.13	ng	92
11) Benzaldehyde	5.307	77	24254	10.41	ng	71
12) Aniline	5.398	93	40618	8.99	ng	86
13) Pentachloroethane	5.441	117	11651	10.27	ng	83
14) bis(2-Chloroethyl)ether	5.462	93	34462	10.34	ng	90
16) Phenol	5.382	94	46913	10.58	ng	89
17) 2-Chlorophenol	5.500	128	33286	10.32	ng	91
18) N-Decane	5.553	57	57436	11.25	ng	96
19) 1,3-Dichlorobenzene	5.633	146	37876	10.90	ng	98
20) 1,4-Dichlorobenzene	5.697	146	36884	10.60	ng	97
21) 1,2-Dichlorobenzene	5.820	146	35927	10.96	ng	98
22) Benzyl alcohol	5.799	108	22536	10.23	ng	74
23) bis(2-chloroisopropyl)...	5.911	45	78856	10.80	ng	92
24) 2-Methylphenol	5.890	108	33133	10.95	ng	98
25) Acetophenone	6.013	105	53463	11.24	ng	81
26) Hexachloroethane	6.099	117	15697	10.75	ng	97
27) N-Nitroso-di-n-propyla...	6.013	70	27432	11.60	ng	95
28) 3&4-Methylphenol	6.013	108	34934	11.56	ng	98
31) Nitrobenzene	6.147	77	40113	10.72	ng	89
32) Isophorone	6.334	82	68421	10.30	ng	92
33) 2-Nitrophenol	6.398	139	17495	9.85	ng	90
34) 2,4-Dimethylphenol	6.425	107	34995	10.64	ng	95
35) Benzoic Acid	6.478	105	9184	3.88	ng	91
36) bis(2-Chloroethoxy)met...	6.500	93	41833	10.72	ng	98
37) 2,4-Dichlorophenol	6.580	162	26366	10.34	ng	90
38) 1,2,4-Trichlorobenzene	6.644	180	29813	10.77	ng	99
39) Naphthalene	6.708	128	100206	10.63	ng	99
40) 4-Chloroaniline	6.746	127	30467	10.68	ng	91
41) Hexachlorobutadiene	6.794	225	13622	10.61	ng	95
42) Caprolactam	6.992	113	11062	9.49	ng	62
43) 4-Chloro-3-methylphenol	7.104	107	29421	9.88	ng	88
44) 2-Methylnaphthalene	7.232	142	64806	10.74	ng	97
45) Methylnaphthalenes (To...	7.232	142	64806	10.74	ng	97
46) 1,1'-Biphenyl	7.602	154	83116	10.88	ng	94
48) 1,2,4,5-Tetrachloroben...	7.366	216	25787	10.98	ng	98
49) Hexachlorocyclopentadiene	7.355	237	11523	9.31	ng	91
50) 2,4,6-Trichlorophenol	7.452	196	16222m	10.12	ng	
51) 2,4,5-Trichlorophenol	7.484	196	18068m	10.66	ng	
53) 2-Chloronaphthalene	7.623	162	61246	11.07	ng	97
54) 1,4-Dimethylnaphthalene	7.896	156	49106	12.01	ng	94
55) Dimethylnaphthalenes (...	7.896	156	49106	12.01	ng	94
56) Diphenyl Ether	7.687	170	46361	11.24	ng	82
57) 2-Nitroaniline	7.698	65	25745	10.41	ng	77
58) Coumarin	7.880	146	25996	10.98	ng	63
59) Acenaphthylene	7.976	152	96565	11.06	ng	100
60) Dimethylphthalate	7.842	163	69469	11.02	ng	99
61) 2,6-Dinitrotoluene	7.896	165	15502	11.66	ng	79
62) Acenaphthene	8.126	153	59288	10.98	ng	97
63) 3-Nitroaniline	8.045	138	17078	11.05	ng	82
64) 2,4-Dinitrophenol	8.136	184	4208	5.87	ng	70
65) Dibenzofuran	8.275	168	87244	11.27	ng	93

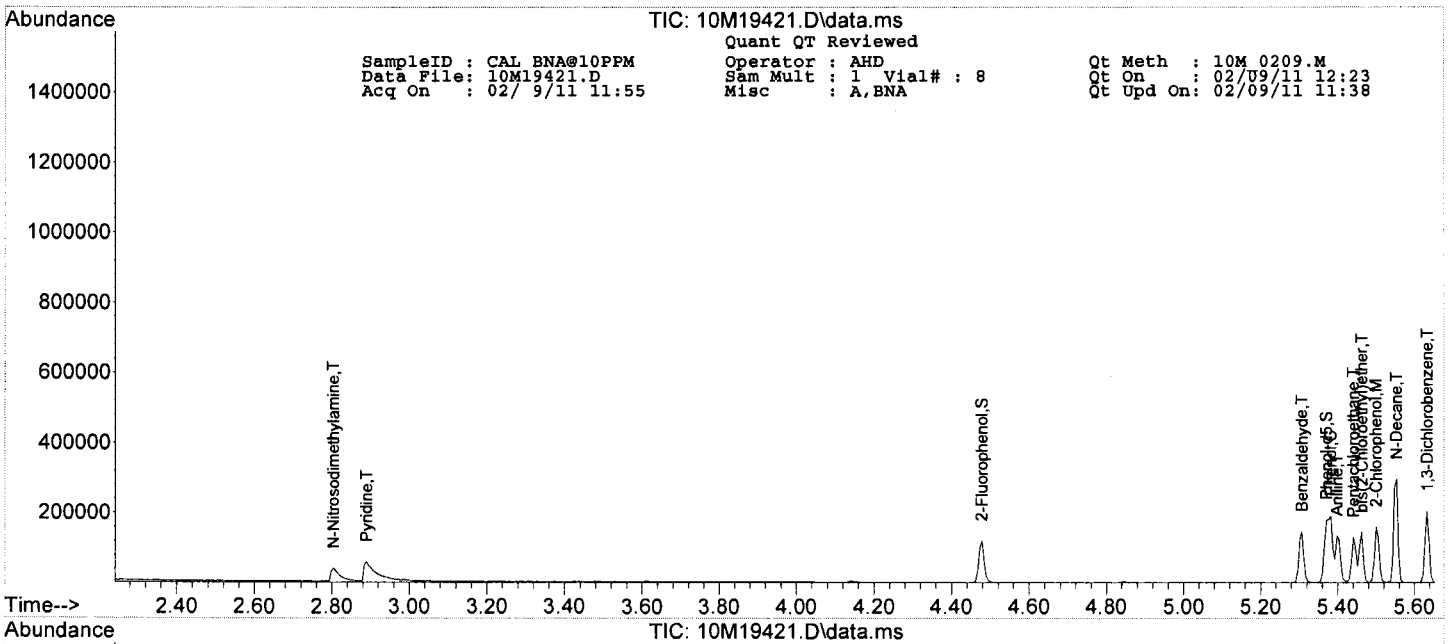
Quantitation Report (QT Reviewed)

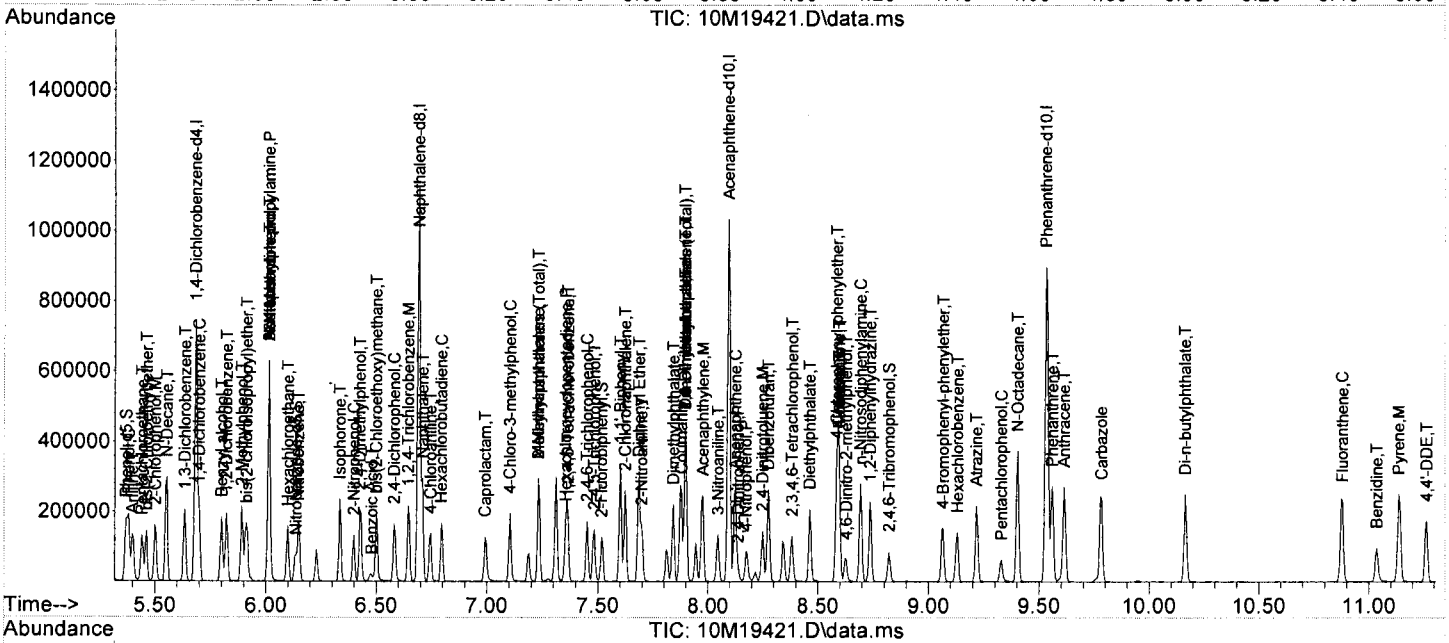
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19421.D Sam Mult : 1 Vial# : 8 Qt On : 02/09/11 12:23
Acq On : 02/ 9/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 11:38

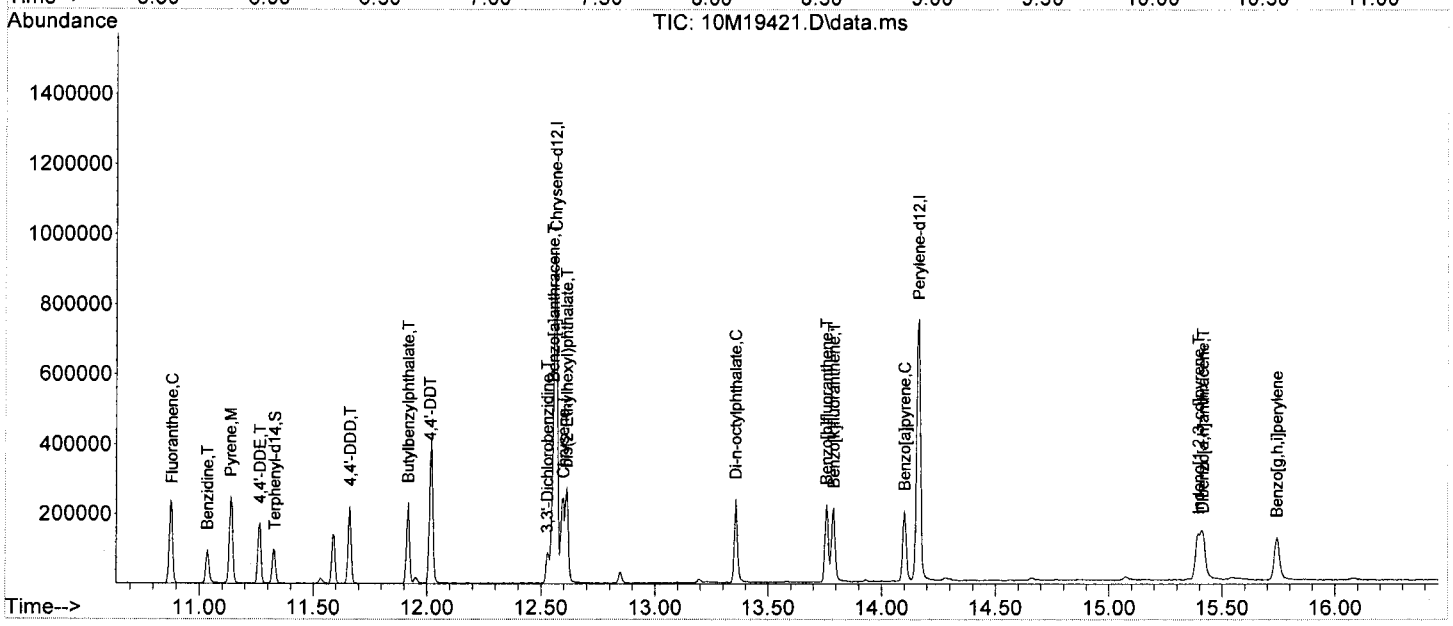
Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.249	165	19974	10.33	ng	74
67)	4-Nitrophenol	8.174	65	14232	9.32	ng	94
68)	2,3,4,6-Tetrachlorophenol	8.382	232	13134	10.97	ng	95
69)	Fluorene	8.596	166	69165	11.26	ng	97
70)	4-Chlorophenyl-phenyle...	8.586	204	29003	11.18	ng	95
71)	Diethylphthalate	8.463	149	66665	10.25	ng	99
72)	4-Nitroaniline	8.596	138	19890	10.83	ng	77
73)	Atrazine	9.217	200	16971	10.12	ng	96
75)	4,6-Dinitro-2-methylph...	8.628	198	7606	8.20	ng	50
76)	n-Nitrosodiphenylamine	8.693	169	56508	10.67	ng	99
78)	1,2-Diphenylhydrazine	8.735	77	78493	9.94	ng	93
79)	4-Bromophenyl-phenylether	9.067	248	14270	10.54	ng	96
80)	Hexachlorobenzene	9.131	284	13969	10.61	ng	88
81)	N-Octadecane	9.404	57	71283	11.21	ng	94
82)	Pentachlorophenol	9.329	266	6328	7.48	ng	97
83)	Phenanthrene	9.559	178	94308	10.85	ng	99
84)	Anthracene	9.613	178	95892	10.83	ng	99
85)	Carbazole	9.784	167	99281	10.97	ng	98
86)	Di-n-butylphthalate	10.164	149	115039	10.46	ng	98
87)	Fluoranthene	10.880	202	97586	10.68	ng	98
89)	Pyrene	11.137	202	102716	10.26	ng	99
90)	Benzidine	11.035	184	36479	8.01	ng	95
92)	4,4'-DDE	11.265	246	17117	9.57	ng	93
93)	4,4'-DDD	11.661	235	32860	9.67	ng	82
94)	Butylbenzylphthalate	11.918	149	50712	9.62	ng	77
95)	4,4'-DDT	12.014	235	26237	9.88	ng	92
96)	3,3'-Dichlorobenzidine	12.528	252	16930	8.69	ng	91
97)	Benzo[a]anthracene	12.554	228	85829	10.30	ng	98
98)	Chrysene	12.597	228	85237	10.58	ng	97
99)	bis(2-Ethylhexyl)phtha...	12.613	149	67767	9.87	ng	92
101)	Di-n-octylphthalate	13.357	149	113342	9.61	ng	97
102)	Benzo[b]fluoranthene	13.758	252	79052m	10.80	ng	
103)	Benzo[k]fluoranthene	13.790	252	82407m	10.95	ng	
104)	Benzo[a]pyrene	14.100	252	79178	10.91	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.394	276	79121	10.37	ng	96
106)	Dibenzo[a,h]anthracene	15.416	278	66636	10.80	ng	99
107)	Benzo[g,h,i]perylene	15.742	276	67920	10.33	ng	90

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


Abundance
TIC: 10M19421.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M19421.D
Acq On : 02/ 9/11 11:55
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 12:23
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19421.D\data.ms
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
Naphthalene-d8,I
Acenaphthylene,M
Acenaphthene-d10,I
Diethylphthalate,T
Phenanthrene-d10,I
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->


Abundance
TIC: 10M19421.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19420.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:56
Acq On : 02/ 9/11 11:33 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	93913	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	383362	40.00	ng	0.00
47) Acenaphthene-d10	8.094	164	210401	40.00	ng	0.00
74) Phenanthrene-d10	9.532	188	341007	40.00	ng	0.00
88) Chrysene-d12	12.565	240	312164	40.00	ng	0.00
100) Perylene-d12	14.164	264	290583	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	64571	19.98	ng	0.00
Spiked Amount 100.000			Recovery =	19.98%		
15) Phenol-d5	5.371	99	85702	21.00	ng	0.00
Spiked Amount 100.000			Recovery =	21.00%		
30) Nitrobenzene-d5	6.136	128	16231	9.98	ng	0.00
Spiked Amount 50.000			Recovery =	19.96%		
52) 2-Fluorobiphenyl	7.516	172	65046	11.61	ng	0.00
Spiked Amount 50.000			Recovery =	23.22%		
77) 2,4,6-Tribromophenol	8.821	330	12264	20.08	ng	0.00
Spiked Amount 100.000			Recovery =	20.08%		
91) Terphenyl-d14	11.330	244	62761	10.23	ng	0.00
Spiked Amount 50.000			Recovery =	20.46%		
Target Compounds						Qvalue
8) Pyridine	2.873	79	75902	20.56	ng	95
9) N-Nitrosodimethylamine	2.799	74	44894	20.24	ng	93
11) Benzaldehyde	5.307	77	51931	21.83	ng	74
12) Aniline	5.398	93	98188	21.27	ng	79
13) Pentachloroethane	5.441	117	23214	20.04	ng	86
14) bis(2-Chloroethyl)ether	5.462	93	67714	19.89	ng	93
16) Phenol	5.382	94	98019	21.64	ng	90
17) 2-Chlorophenol	5.500	128	68847	20.89	ng	90
18) N-Decane	5.553	57	108934	20.88	ng	95
19) 1,3-Dichlorobenzene	5.633	146	73861	20.81	ng	98
20) 1,4-Dichlorobenzene	5.697	146	74848	21.06	ng	98
21) 1,2-Dichlorobenzene	5.820	146	70065	20.93	ng	98
22) Benzyl alcohol	5.799	108	47226	20.99	ng	76
23) bis(2-chloroisopropyl)...	5.911	45	158308	21.22	ng	93
24) 2-Methylphenol	5.890	108	68024	22.00	ng	96
25) Acetophenone	6.013	105	105896	21.78	ng	83
26) Hexachloroethane	6.099	117	30467	20.43	ng	96
27) N-Nitroso-di-n-propyla...	6.013	70	53642	22.21	ng	95
28) 3&4-Methylphenol	6.013	108	69576	22.54	ng	97
31) Nitrobenzene	6.147	77	76597	19.99	ng	85
32) Isophorone	6.334	82	142135	20.90	ng	93
33) 2-Nitrophenol	6.398	139	36640	20.15	ng	90
34) 2,4-Dimethylphenol	6.430	107	70324	20.88	ng	95
35) Benzoic Acid	6.484	105	34999	14.45	ng	87
36) bis(2-Chloroethoxy)met...	6.500	93	83207	20.82	ng	96
37) 2,4-Dichlorophenol	6.580	162	53540	20.51	ng	90
38) 1,2,4-Trichlorobenzene	6.644	180	59323	20.94	ng	99
39) Naphthalene	6.708	128	199982	20.71	ng	99
40) 4-Chloroaniline	6.746	127	70881	24.26	ng	91
41) Hexachlorobutadiene	6.794	225	26331	20.03	ng	98
42) Caprolactam	7.003	113	24441	20.48	ng	63
43) 4-Chloro-3-methylphenol	7.104	107	61623	20.20	ng	87
44) 2-Methylnaphthalene	7.233	142	135623	21.94	ng	97
45) Methylnaphthalenes (To...	7.233	142	135623	21.94	ng	97
46) 1,1'-Biphenyl	7.602	154	163661	20.92	ng	96
48) 1,2,4,5-Tetrachloroben...	7.366	216	53987	21.99	ng	97
49) Hexachlorocyclopentadiene	7.356	237	25839	19.98	ng	99
50) 2,4,6-Trichlorophenol	7.452	196	33883m	20.22	ng	
51) 2,4,5-Trichlorophenol	7.484	196	39289m	22.17	ng	
53) 2-Chloronaphthalene	7.623	162	125001	21.62	ng	94
54) 1,4-Dimethylnaphthalene	7.901	156	92611	21.66	ng	92
55) Dimethylnaphthalenes (...	7.901	156	92611	21.66	ng	92
56) Diphenyl Ether	7.687	170	90255	20.92	ng	83
57) 2-Nitroaniline	7.698	65	54264	20.98	ng	83
58) Coumarin	7.880	146	53976	21.82	ng	65
59) Acenaphthylene	7.976	152	196301	21.51	ng	99
60) Dimethylphthalate	7.842	163	138607	21.03	ng	99
61) 2,6-Dinitrotoluene	7.901	165	30451	21.90	ng	70
62) Acenaphthene	8.126	153	117467	20.80	ng	98
63) 3-Nitroaniline	8.046	138	36821	22.80	ng	79
64) 2,4-Dinitrophenol	8.136	184	12204	16.29	ng	53
65) Dibenzofuran	8.276	168	169207	20.91	ng	93

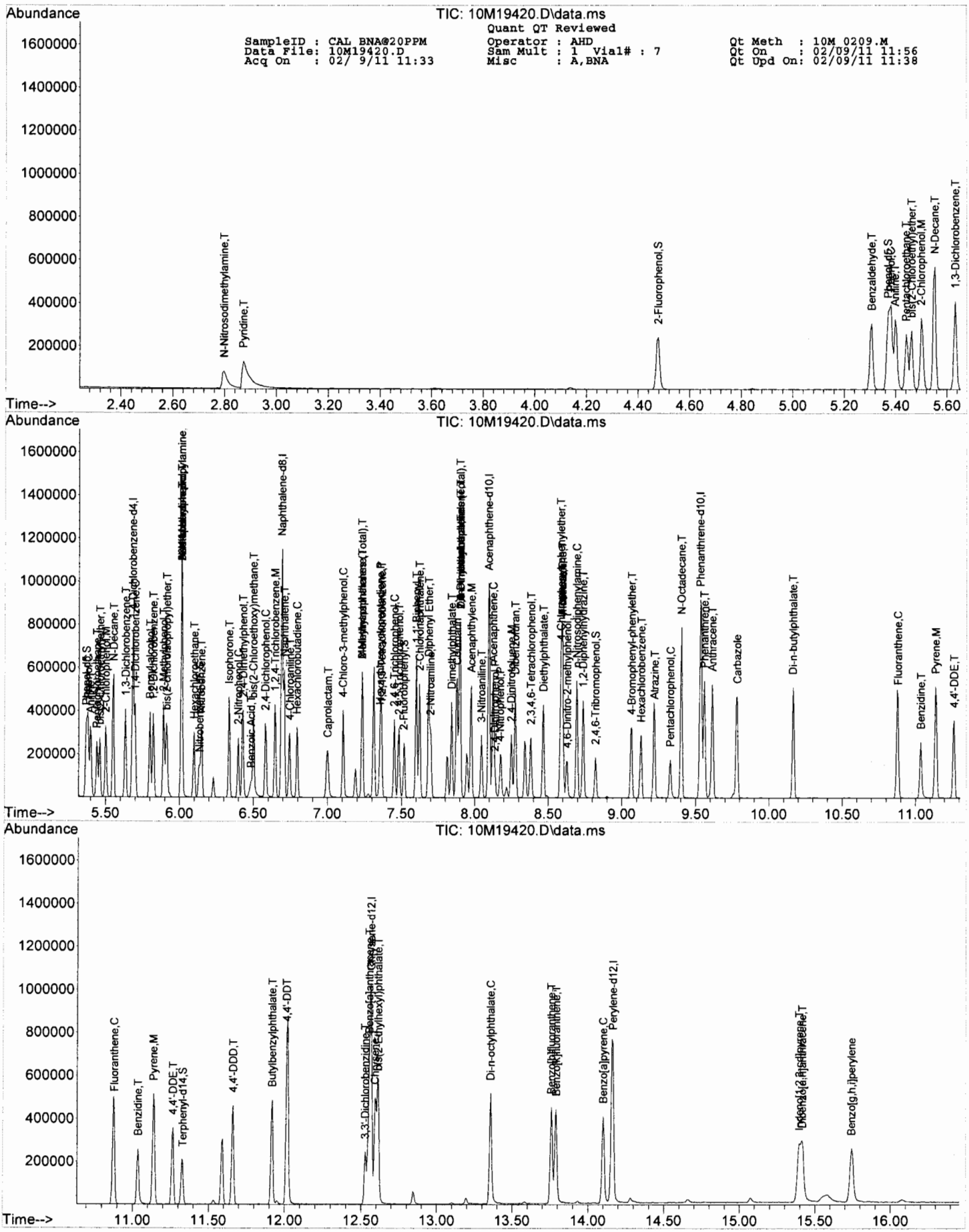
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19420.D Sam Mult : 1 Vial# : 7 Qt On : 02/09/11 11:56
Acq On : 02/ 9/11 11:33 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.249	165	41204	20.39	ng	77
67)	4-Nitrophenol	8.174	65	33458	20.97	ng	96
68)	2,3,4,6-Tetrachlorophenol	8.382	232	26754	21.38	ng	94
69)	Fluorene	8.596	166	139020	21.64	ng	97
70)	4-Chlorophenyl-phenyle...	8.586	204	56806	20.94	ng	96
71)	Diethylphthalate	8.468	149	143487	21.10	ng	99
72)	4-Nitroaniline	8.596	138	40929	21.32	ng	80
73)	Atrazine	9.222	200	37667	21.49	ng	97
75)	4,6-Dinitro-2-methylph...	8.629	198	18902	19.37	ng	53
76)	n-Nitrosodiphenylamine	8.693	169	119574	21.46	ng	97
78)	1,2-Diphenylhydrazine	8.736	77	163812	19.73	ng	92
79)	4-Bromophenyl-phenylether	9.067	248	29246	20.54	ng	98
80)	Hexachlorobenzene	9.131	284	29108	21.03	ng	87
81)	N-Octadecane	9.404	57	148259	22.17	ng	96
82)	Pentachlorophenol	9.329	266	15748	17.70	ng	97
83)	Phenanthrene	9.559	178	191206	20.92	ng	98
84)	Anthracene	9.613	178	197920	21.25	ng	99
85)	Carbazole	9.784	167	200829	21.10	ng	98
86)	Di-n-butylphthalate	10.164	149	242299	20.96	ng	98
87)	Fluoranthene	10.880	202	204482	21.27	ng	95
89)	Pyrene	11.137	202	214984	20.75	ng	97
90)	Benzidine	11.035	184	94549	20.07	ng	90
92)	4,4'-DDE	11.265	246	37892	20.48	ng	92
93)	4,4'-DDD	11.661	235	72833	20.71	ng	85
94)	Butylbenzylphthalate	11.918	149	110449	20.24	ng	77
95)	4,4'-DDT	12.014	235	55813	20.31	ng	91
96)	3,3'-Dichlorobenzidine	12.528	252	44485	22.06	ng	98
97)	Benzo[a]anthracene	12.554	228	175807	20.38	ng	99
98)	Chrysene	12.592	228	173763	20.83	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.613	149	150173	21.13	ng	94
101)	Di-n-octylphthalate	13.357	149	258123	21.04	ng	98
102)	Benzo[b]fluoranthene	13.758	252	164235m	21.57	ng	
103)	Benzo[k]fluoranthene	13.790	252	165286m	21.13	ng	
104)	Benzo[a]pyrene	14.100	252	159758	21.17	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.395	276	162400	20.48	ng	94
106)	Dibenzo[a,h]anthracene	15.416	278	133530	20.81	ng	99
107)	Benzo[g,h,i]perylene	15.742	276	140516	20.55	ng	90

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


Abundance
TIC: 10M19420.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 10M19420.D
Acq On : 02/ 9/11 11:33
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 11:56
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19420.D\data.ms
Isophorone,T
Naphthalene-d8,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene-d10,I
Diethylphthalate,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->

Abundance
TIC: 10M19420.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19419.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:46
Acq On : 02/ 9/11 11:10 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.687	152	92640	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	364090	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	198686	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	324948	40.00	ng	0.00
88) Chrysene-d12	12.571	240	288071	40.00	ng	0.00
100) Perylene-d12	14.164	264	283760	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	246600	77.34	ng	0.00
Spiked Amount 100.000			Recovery = 77.34%			
15) Phenol-d5	5.377	99	316293	78.56	ng	0.00
Spiked Amount 100.000			Recovery = 78.56%			
30) Nitrobenzene-d5	6.136	128	60527	39.19	ng	0.00
Spiked Amount 50.000			Recovery = 78.38%			
52) 2-Fluorobiphenyl	7.521	172	242336	45.80	ng	0.00
Spiked Amount 50.000			Recovery = 91.60%			
77) 2,4,6-Tribromophenol	8.826	330	48218	82.83	ng	0.00
Spiked Amount 100.000			Recovery = 82.83%			
91) Terphenyl-d14	11.330	244	225661	39.87	ng	0.00
Spiked Amount 50.000			Recovery = 79.74%			
Target Compounds						Qvalue
8) Pyridine	2.857	79	297669	81.75	ng	96
9) N-Nitrosodimethylamine	2.793	74	171846	78.55	ng	98
11) Benzaldehyde	5.307	77	150960	64.32	ng	77
12) Aniline	5.403	93	390521	85.77	ng	78
13) Pentachloroethane	5.441	117	88069	77.06	ng	87
14) bis(2-Chloroethyl)ether	5.462	93	246979	73.53	ng	96
16) Phenol	5.387	94	353692	79.17	ng	93
17) 2-Chlorophenol	5.505	128	250630	77.10	ng	89
18) N-Decane	5.553	57	387289	75.26	ng	98
19) 1,3-Dichlorobenzene	5.633	146	266666	76.17	ng	100
20) 1,4-Dichlorobenzene	5.698	146	271536	77.45	ng	98
21) 1,2-Dichlorobenzene	5.821	146	259484	78.56	ng	98
22) Benzyl alcohol	5.805	108	179197	80.72	ng	74
23) bis(2-chloroisopropyl)...	5.911	45	564729	76.75	ng	91
24) 2-Methylphenol	5.895	108	248124	81.35	ng	97
25) Acetophenone	6.018	105	360218	75.11	ng	84
26) Hexachloroethane	6.099	117	113665	77.26	ng	99
27) N-Nitroso-di-n-propyla...	6.018	70	182358	76.55	ng	88
28) 3&4-Methylphenol	6.018	108	232696	76.42	ng	98
31) Nitrobenzene	6.152	77	287897	79.13	ng	85
32) Isophorone	6.339	82	514739	79.69	ng	90
33) 2-Nitrophenol	6.398	139	143220	82.92	ng	88
34) 2,4-Dimethylphenol	6.430	107	263334	82.31	ng	98
35) Benzoic Acid	6.516	105	210840	91.66	ng	91
36) bis(2-Chloroethoxy)met...	6.505	93	294635	77.63	ng	98
37) 2,4-Dichlorophenol	6.585	162	202732	81.77	ng	90
38) 1,2,4-Trichlorobenzene	6.650	180	208390	77.44	ng	99
39) Naphthalene	6.708	128	694294	75.71	ng	99
40) 4-Chloroaniline	6.746	127	258522m	93.18	ng	
41) Hexachlorobutadiene	6.799	225	97749	78.31	ng	97
42) Caprolactam	7.035	113	93337	82.36	ng	65
43) 4-Chloro-3-methylphenol	7.110	107	234918	81.09	ng	90
44) 2-Methylnaphthalene	7.238	142	462817	78.84	ng	98
45) Methylnaphthalenes (To...	7.238	142	462817	78.84	ng	98
46) 1,1'-Biphenyl	7.602	154	575645	77.46	ng	96
48) 1,2,4,5-Tetrachloroben...	7.366	216	179753	77.52	ng	97
49) Hexachlorocyclopentadiene	7.356	237	103349	84.61	ng	99
50) 2,4,6-Trichlorophenol	7.457	196	131909m	83.34	ng	
51) 2,4,5-Trichlorophenol	7.489	196	141866m	84.79	ng	
53) 2-Chloronaphthalene	7.628	162	426642	78.14	ng	93
54) 1,4-Dimethylnaphthalene	7.901	156	313231	77.59	ng	97
55) Dimethylnaphthalenes (...	7.901	156	313231	77.59	ng	97
56) Diphenyl Ether	7.687	170	322575	79.19	ng	87
57) 2-Nitroaniline	7.703	65	201487	82.49	ng	79
58) Coumarin	7.885	146	186590	79.86	ng	64
59) Acenaphthylene	7.976	152	674359	78.27	ng	100
60) Dimethylphthalate	7.848	163	486976	78.24	ng	99
61) 2,6-Dinitrotoluene	7.907	165	104524	79.62	ng	68
62) Acenaphthene	8.126	153	418474	78.47	ng	96
63) 3-Nitroaniline	8.051	138	133724	87.67	ng	79
64) 2,4-Dinitrophenol	8.142	184	62148	87.86	ng	53
65) Dibenzofuran	8.281	168	582590	76.25	ng	93

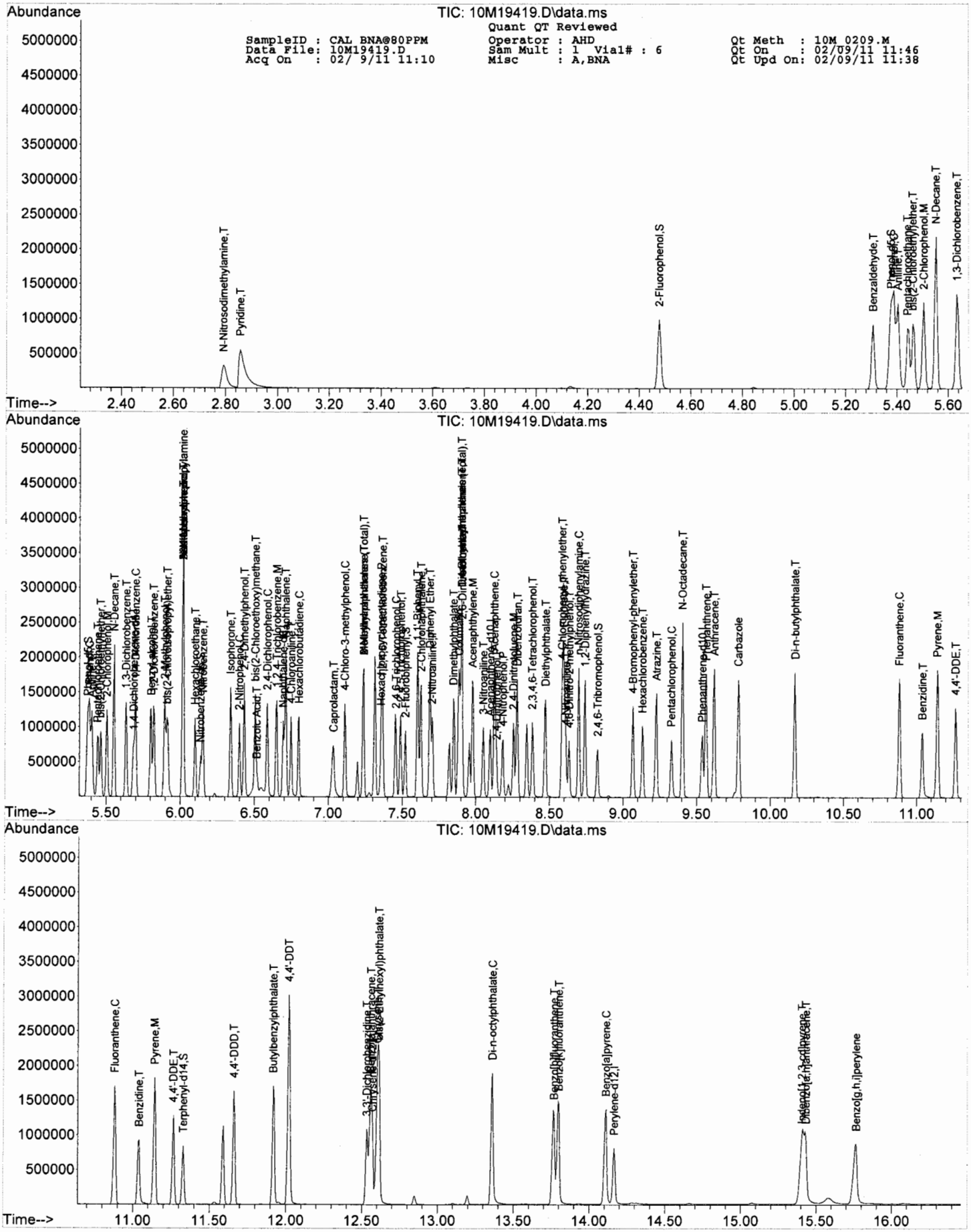
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19419.D Sam Mult : 1 Vial# : 6 Qt On : 02/09/11 11:46
Acq On : 02/ 9/11 11:10 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.254	165	160408	84.06	ng	79
67)	4-Nitrophenol	8.185	65	129193	85.73	ng	90
68)	2,3,4,6-Tetrachlorophenol	8.383	232	101907	86.23	ng	95
69)	Fluorene	8.596	166	474711	78.26	ng	99
70)	4-Chlorophenyl-phenyle...	8.586	204	192324	75.09	ng	99
71)	Diethylphthalate	8.473	149	513386	79.95	ng	99
72)	4-Nitroaniline	8.613	138	151063	83.32	ng	78
73)	Atrazine	9.228	200	138015	83.39	ng	99
75)	4,6-Dinitro-2-methylph...	8.634	198	82796	89.06	ng	42
76)	n-Nitrosodiphenylamine	8.698	169	413003	77.79	ng	98
78)	1,2-Diphenylhydrazine	8.741	77	593970	75.06	ng	93
79)	4-Bromophenyl-phenylether	9.067	248	107551	79.26	ng	96
80)	Hexachlorobenzene	9.131	284	102471	77.68	ng	91
81)	N-Octadecane	9.404	57	504956	79.22	ng	97
82)	Pentachlorophenol	9.329	266	70890	83.63	ng	97
83)	Phenanthrene	9.565	178	661404	75.93	ng	99
84)	Anthracene	9.618	178	697829	78.62	ng	99
85)	Carbazole	9.784	167	713196	78.62	ng	99
86)	Di-n-butylphthalate	10.169	149	893362	81.10	ng	97
87)	Fluoranthene	10.880	202	711606	77.70	ng	99
89)	Pyrene	11.142	202	749668	78.40	ng	97
90)	Benzidine	11.041	184	377634	86.85	ng	90
92)	4,4'-DDE	11.265	246	131772	77.18	ng	92
93)	4,4'-DDD	11.661	235	261654	80.63	ng	84
94)	Butylbenzylphthalate	11.918	149	416607	82.71	ng	80
95)	4,4'-DDT	12.020	235	209217	82.50	ng	90
96)	3,3'-Dichlorobenzidine	12.533	252	195347	104.98	ng	99
97)	Benzo[a]anthracene	12.560	228	625305	78.56	ng	99
98)	Chrysene	12.603	228	582393	75.67	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.613	149	538497	82.09	ng	95
101)	Di-n-octylphthalate	13.362	149	1012241	84.49	ng	99
102)	Benzo[b]fluoranthene	13.769	252	582489	78.35	ng	96
103)	Benzo[k]fluoranthene	13.801	252	613279	80.28	ng	95
104)	Benzo[a]pyrene	14.111	252	577669	78.38	ng	96
105)	Indeno[1,2,3-cd]pyrene	15.405	276	614258	79.32	ng	93
106)	Dibenzo[a,h]anthracene	15.432	278	501871	80.10	ng	98
107)	Benzo[g,h,i]perylene	15.764	276	518995	77.74	ng	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M19419.D
Acq On : 02/ 9/11 11:10
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 11:46
Qt Upd On: 02/09/11 11:38
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19418.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:44
Acq On : 02/ 9/11 10:48 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.687	152	85508	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	343195	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	190346	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	300742	40.00	ng	0.00
88) Chrysene-d12	12.571	240	266440	40.00	ng	0.00
100) Perylene-d12	14.164	264	253514	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	354586	120.48	ng	0.00
Spiked Amount 100.000			Recovery = 120.48%			
15) Phenol-d5	5.377	99	442119	118.97	ng	0.00
Spiked Amount 100.000			Recovery = 118.97%			
30) Nitrobenzene-d5	6.136	128	87284	59.96	ng	0.00
Spiked Amount 50.000			Recovery = 119.92%			
52) 2-Fluorobiphenyl	7.521	172	334656	66.02	ng	0.00
Spiked Amount 50.000			Recovery = 132.04%			
77) 2,4,6-Tribromophenol	8.826	330	68643	127.41	ng	0.00
Spiked Amount 100.000			Recovery = 127.41%			
91) Terphenyl-d14	11.330	244	310314	59.28	ng	0.00
Spiked Amount 50.000			Recovery = 118.56%			
Target Compounds						Qvalue
8) Pyridine	2.852	79	417286	124.16	ng	96
9) N-Nitrosodimethylamine	2.799	74	251333	124.47	ng	91
11) Benzaldehyde	5.307	77	156849	72.40	ng	78
12) Aniline	5.403	93	544510	129.56	ng	78
13) Pentachloroethane	5.446	117	122811	116.42	ng	88
14) bis(2-Chloroethyl)ether	5.468	93	343756	110.87	ng	92
16) Phenol	5.393	94	481750	116.82	ng	98
17) 2-Chlorophenol	5.505	128	356805	118.92	ng	91
18) N-Decane	5.553	57	532251	112.06	ng	98
19) 1,3-Dichlorobenzene	5.633	146	364440	112.78	ng	99
20) 1,4-Dichlorobenzene	5.698	146	366911	113.38	ng	98
21) 1,2-Dichlorobenzene	5.826	146	352305	115.56	ng	96
22) Benzyl alcohol	5.804	108	244757	119.45	ng	77
23) bis(2-chloroisopropyl)...	5.917	45	764109	112.51	ng	93
24) 2-Methylphenol	5.895	108	341128	121.18	ng	97
25) Acetophenone	6.018	105	484319	109.41	ng	81
26) Hexachloroethane	6.099	117	156738	115.42	ng	99
27) N-Nitroso-di-n-propyla...	6.024	70	243122	110.56	ng	85
28) 3&4-Methylphenol	6.024	108	314787	112.00	ng	98
31) Nitrobenzene	6.152	77	397292	115.84	ng	86
32) Isophorone	6.345	82	715986	117.60	ng	88
33) 2-Nitrophenol	6.404	139	196343	120.59	ng	92
34) 2,4-Dimethylphenol	6.436	107	353144	117.10	ng	99
35) Benzoic Acid	6.532	105	318584	146.93	ng	89
36) bis(2-Chloroethoxy)met...	6.505	93	407218	113.83	ng	98
37) 2,4-Dichlorophenol	6.591	162	277090	118.56	ng	88
38) 1,2,4-Trichlorobenzene	6.650	180	283349	111.71	ng	98
39) Naphthalene	6.708	128	948794	109.77	ng	99
40) 4-Chloroaniline	6.746	127	312324m	119.43	ng	
41) Hexachlorobutadiene	6.799	225	133546	113.50	ng	97
42) Caprolactam	7.045	113	132551	124.09	ng	63
43) 4-Chloro-3-methylphenol	7.115	107	333149	122.00	ng	87
44) 2-Methylnaphthalene	7.238	142	617441	111.59	ng	98
45) Methylnaphthalenes (To...	7.238	142	617441	111.59	ng	98
46) 1,1'-Biphenyl	7.607	154	789647	112.73	ng	95
48) 1,2,4,5-Tetrachloroben...	7.366	216	249731	112.42	ng	99
49) Hexachlorocyclopentadiene	7.356	237	145865	124.65	ng	99
50) 2,4,6-Trichlorophenol	7.457	196	181524m	119.71	ng	
51) 2,4,5-Trichlorophenol	7.489	196	197699m	123.34	ng	
53) 2-Chloronaphthalene	7.628	162	594161	113.59	ng	95
54) 1,4-Dimethylnaphthalene	7.907	156	424703	109.81	ng	96
55) Dimethylnaphthalenes (...	7.907	156	424703	109.81	ng	96
56) Diphenyl Ether	7.687	170	432608	110.86	ng	89
57) 2-Nitroaniline	7.709	65	274226	117.19	ng	68
58) Coumarin	7.890	146	249145	111.31	ng	61
59) Acenaphthylene	7.981	152	939765	113.85	ng	100
60) Dimethylphthalate	7.853	163	692363	116.11	ng	99
61) 2,6-Dinitrotoluene	7.907	165	142948	113.66	ng	73
62) Acenaphthene	8.131	153	576458	112.84	ng	98
63) 3-Nitroaniline	8.056	138	179041	122.52	ng	78
64) 2,4-Dinitrophenol	8.142	184	92755	136.87	ng	65
65) Dibenzofuran	8.281	168	819678	111.98	ng	94

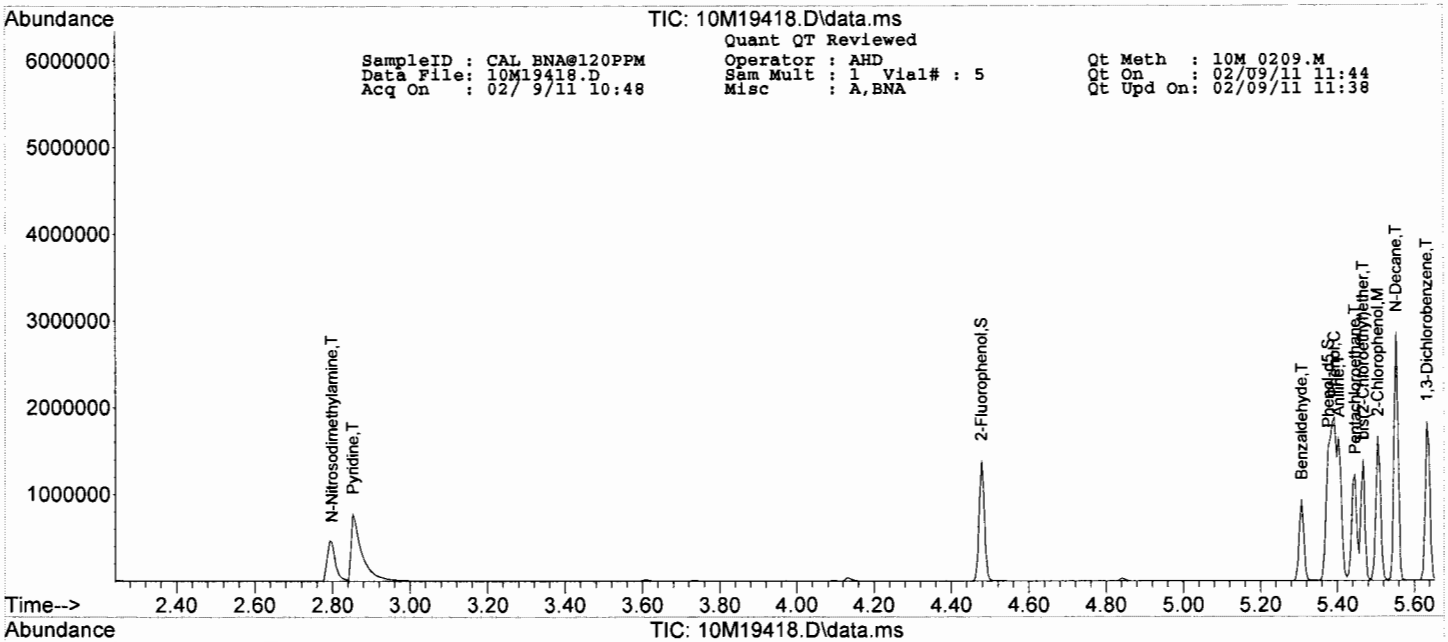
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19418.D Sam Mult : 1 Vial# : 5 Qt On : 02/09/11 11:44
Acq On : 02/ 9/11 10:48 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.260	165	227841	124.63 ng	75
67)	4-Nitrophenol	8.185	65	185400m	128.41 ng	
68)	2,3,4,6-Tetrachlorophenol	8.388	232	139757	123.45 ng	98
69)	Fluorene	8.596	166	658684	113.35 ng	99
70)	4-Chlorophenyl-phenyle...	8.586	204	277285	113.01 ng	99
71)	Diethylphthalate	8.473	149	720118	117.05 ng	99
72)	4-Nitroaniline	8.618	138	217797	125.39 ng	81
73)	Atrazine	9.228	200	192229	121.24 ng	98
75)	4,6-Dinitro-2-methylph...	8.639	198	122853	142.78 ng	46
76)	n-Nitrosodiphenylamine	8.703	169	578026	117.64 ng	99
78)	1,2-Diphenylhydrazine	8.741	77	886096	120.98 ng	92
79)	4-Bromophenyl-phenylether	9.067	248	150817	120.09 ng	96
80)	Hexachlorobenzene	9.137	284	144014	117.96 ng	83
81)	N-Octadecane	9.404	57	671741	113.87 ng	98
82)	Pentachlorophenol	9.335	266	102564	130.73 ng	99
83)	Phenanthrene	9.565	178	923197	114.51 ng	99
84)	Anthracene	9.618	178	958472	116.68 ng	99
85)	Carbazole	9.789	167	987264	117.60 ng	99
86)	Di-n-butylphthalate	10.169	149	1264872	124.07 ng	98
87)	Fluoranthene	10.886	202	1013658	119.58 ng	96
89)	Pyrene	11.142	202	1036271	117.17 ng	96
90)	Benzidine	11.041	184	446661	111.06 ng	90
92)	4,4'-DDE	11.265	246	185710	117.60 ng	92
93)	4,4'-DDD	11.667	235	365268	121.69 ng	84
94)	Butylbenzylphthalate	11.923	149	581006	124.72 ng	77
95)	4,4'-DDT	12.020	235	291874	124.45 ng	91
96)	3,3'-Dichlorobenzidine	12.538	252	257058	149.36 ng	99
97)	Benzo[a]anthracene	12.560	228	883594	120.02 ng	100
98)	Chrysene	12.603	228	810943	113.92 ng	100
99)	bis(2-Ethylhexyl)phtha...	12.613	149	749794	123.58 ng	96
101)	Di-n-octylphthalate	13.362	149	1413768	132.08 ng	100
102)	Benzo[b]fluoranthene	13.769	252	828517m	124.73 ng	
103)	Benzo[k]fluoranthene	13.801	252	784550m	114.96 ng	
104)	Benzo[a]pyrene	14.111	252	804437	122.17 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.411	276	851844	123.13 ng	94
106)	Dibenzo[a,h]anthracene	15.432	278	683322	122.07 ng	100
107)	Benzo[g,h,i]perylene	15.769	276	723161	121.24 ng	89

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


Abundance
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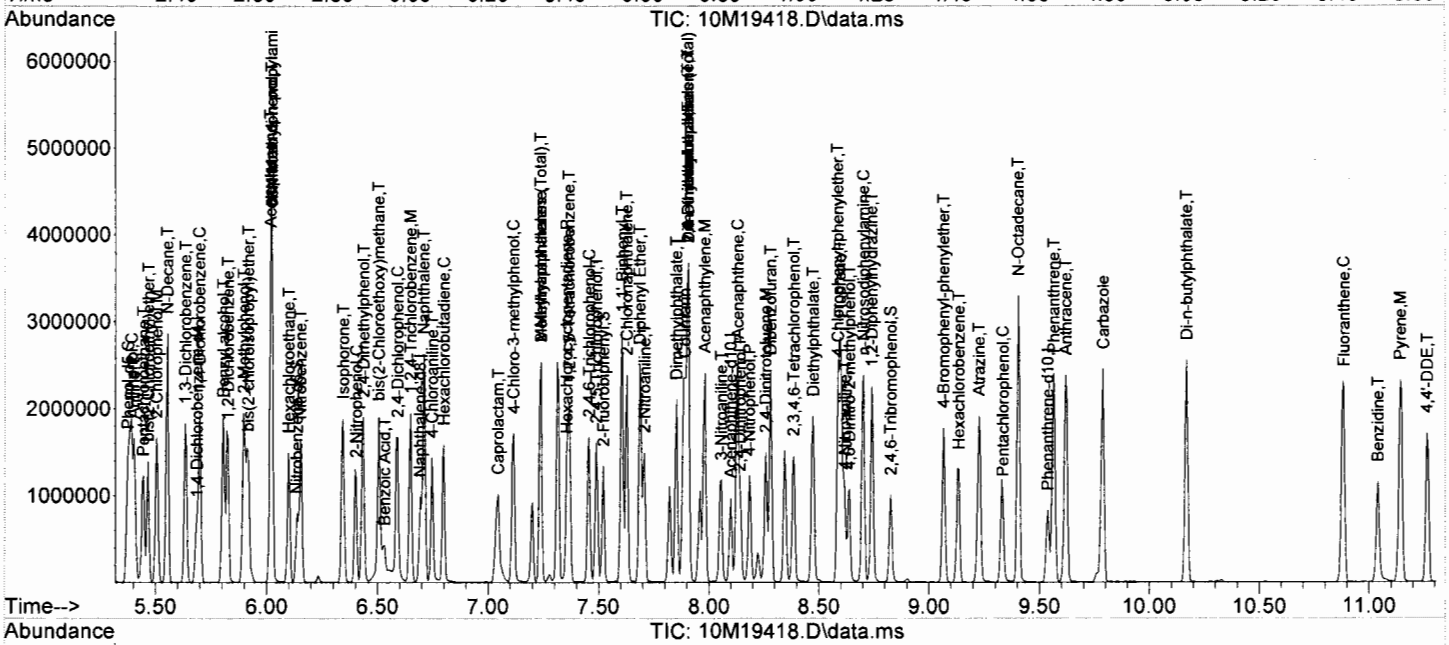
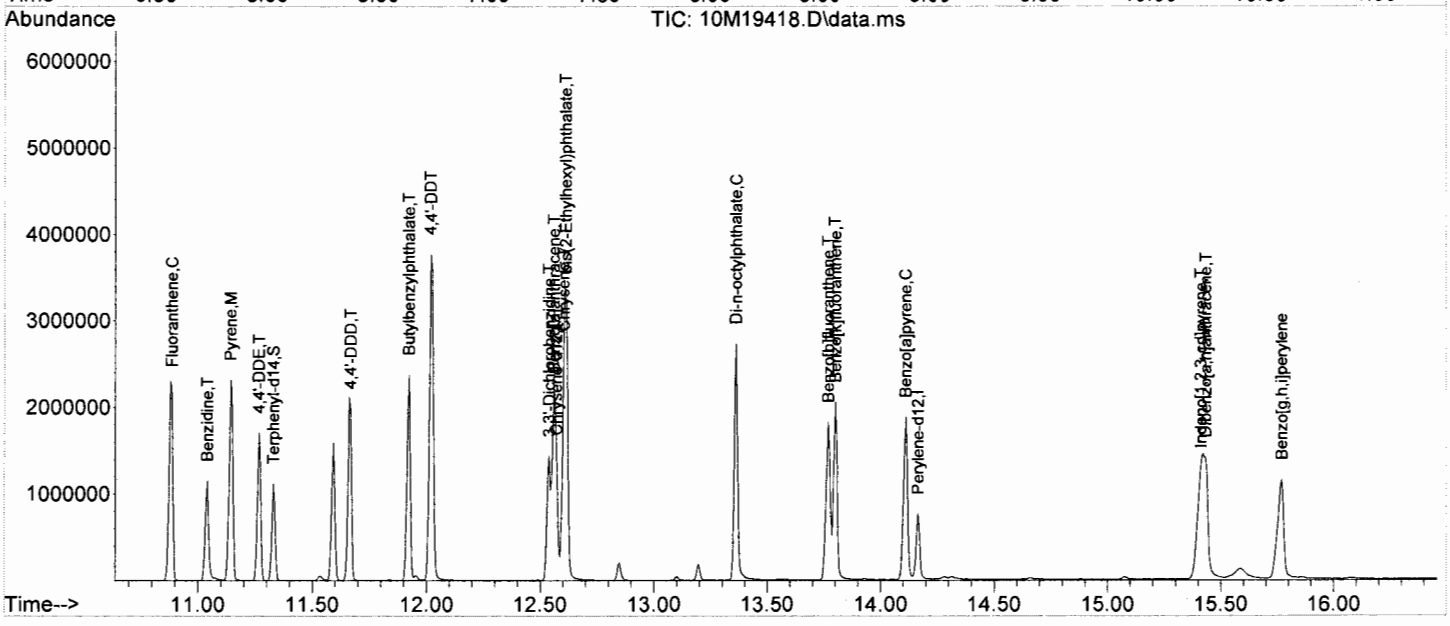
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M19418.D
Acq On : 02/ 9/11 10:48
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 11:44
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19418.D\data.ms
Isophorone,T
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Diethylphthalate,T
2,4,6-Tribromophenol,S
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->


Abundance
TIC: 10M19418.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,T
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19417.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:41
Acq On : 02/ 9/11 10:26 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.687	152	81664	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	325018	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	178453	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	290688	40.00	ng	0.00
88) Chrysene-d12	12.576	240	248582	40.00	ng	0.00
100) Perylene-d12	14.164	264	247451	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	460318m	163.77	ng	0.00
Spiked Amount 100.000			Recovery = 163.77%			
15) Phenol-d5	5.382	99	561944	158.34	ng	0.01
Spiked Amount 100.000			Recovery = 158.34%			
30) Nitrobenzene-d5	6.141	128	111092	80.58	ng	0.00
Spiked Amount 50.000			Recovery = 161.16%			
52) 2-Fluorobiphenyl	7.521	172	426717	89.79	ng	0.00
Spiked Amount 50.000			Recovery = 179.58%			
77) 2,4,6-Tribromophenol	8.832	330	88899	170.72	ng	0.00
Spiked Amount 100.000			Recovery = 170.72%			
91) Terphenyl-d14	11.335	244	403446	82.61	ng	0.00
Spiked Amount 50.000			Recovery = 165.22%			
Target Compounds						Qvalue
8) Pyridine	2.852	79	521140	162.36	ng	96
9) N-Nitrosodimethylamine	2.798	74	320073	165.97	ng	96
11) Benzaldehyde	5.307	77	142380	68.82	ng	75
12) Aniline	5.403	93	669189	166.72	ng	80
13) Pentachloroethane	5.446	117	156620	155.45	ng	89
14) bis(2-Chloroethyl)ether	5.467	93	440814	148.87	ng	93
16) Phenol	5.393	94	616628	156.57	ng	100
17) 2-Chlorophenol	5.510	128	458768	160.10	ng	86
18) N-Decane	5.553	57	650684	143.44	ng	98
19) 1,3-Dichlorobenzene	5.633	146	460513	149.22	ng	98
20) 1,4-Dichlorobenzene	5.697	146	464881	150.41	ng	97
21) 1,2-Dichlorobenzene	5.826	146	446891	153.48	ng	99
22) Benzyl alcohol	5.804	108	320328	163.69	ng	80
23) bis(2-chloroisopropyl)...	5.917	45	937604	144.55	ng	94
24) 2-Methylphenol	5.901	108	436100	162.20	ng	95
25) Acetophenone	6.018	105	589478	139.44	ng	80
26) Hexachloroethane	6.099	117	199266	153.65	ng	98
27) N-Nitroso-di-n-propyla...	6.024	70	299979	142.84	ng	82
28) 3&4-Methylphenol	6.024	108	385218	143.51	ng	100
31) Nitrobenzene	6.157	77	504807	155.42	ng	82
32) Isophorone	6.345	82	921326	159.79	ng	91
33) 2-Nitrophenol	6.403	139	253531	164.43	ng	92
34) 2,4-Dimethylphenol	6.436	107	462036	161.78	ng	98
35) Benzoic Acid	6.543	105	434866m	211.78	ng	
36) bis(2-Chloroethoxy)met...	6.505	93	518149	152.94	ng	98
37) 2,4-Dichlorophenol	6.591	162	353085	159.53	ng	89
38) 1,2,4-Trichlorobenzene	6.649	180	356533	148.43	ng	99
39) Naphthalene	6.714	128	1218165	148.81	ng	100
40) 4-Chloroaniline	6.746	127	355742m	143.64	ng	
41) Hexachlorobutadiene	6.799	225	174555	156.65	ng	95
42) Caprolactam	7.056	113	171241	169.27	ng	67
43) 4-Chloro-3-methylphenol	7.115	107	422052	163.20	ng	89
44) 2-Methylnaphthalene	7.238	142	786085	150.01	ng	99
45) Methylnaphthalenes (To...	7.238	142	786085	150.01	ng	99
46) 1,1'-Biphenyl	7.607	154	992262	149.58	ng	96
48) 1,2,4,5-Tetrachloroben...	7.372	216	313641	150.60	ng	97
49) Hexachlorocyclopentadiene	7.361	237	188096	171.45	ng	98
50) 2,4,6-Trichlorophenol	7.457	196	227787m	160.24	ng	
51) 2,4,5-Trichlorophenol	7.495	196	246923m	164.31	ng	
53) 2-Chloronaphthalene	7.628	162	752663	153.48	ng	95
54) 1,4-Dimethylnaphthalene	7.906	156	526476	145.19	ng	96
55) Dimethylnaphthalenes (...	7.906	156	526476	145.19	ng	96
56) Diphenyl Ether	7.692	170	559829	153.02	ng	83
57) 2-Nitroaniline	7.708	65	356485	162.50	ng	75
58) Coumarin	7.896	146	307603	146.59	ng	60
59) Acenaphthylene	7.981	152	1181769	152.71	ng	99
60) Dimethylphthalate	7.858	163	874293	156.39	ng	99
61) 2,6-Dinitrotoluene	7.912	165	179982	152.64	ng	70
62) Acenaphthene	8.131	153	722399	150.83	ng	98
63) 3-Nitroaniline	8.056	138	222130	162.13	ng	81
64) 2,4-Dinitrophenol	8.147	184	123590	194.52	ng	56
65) Dibenzofuran	8.286	168	987352	143.87	ng	92

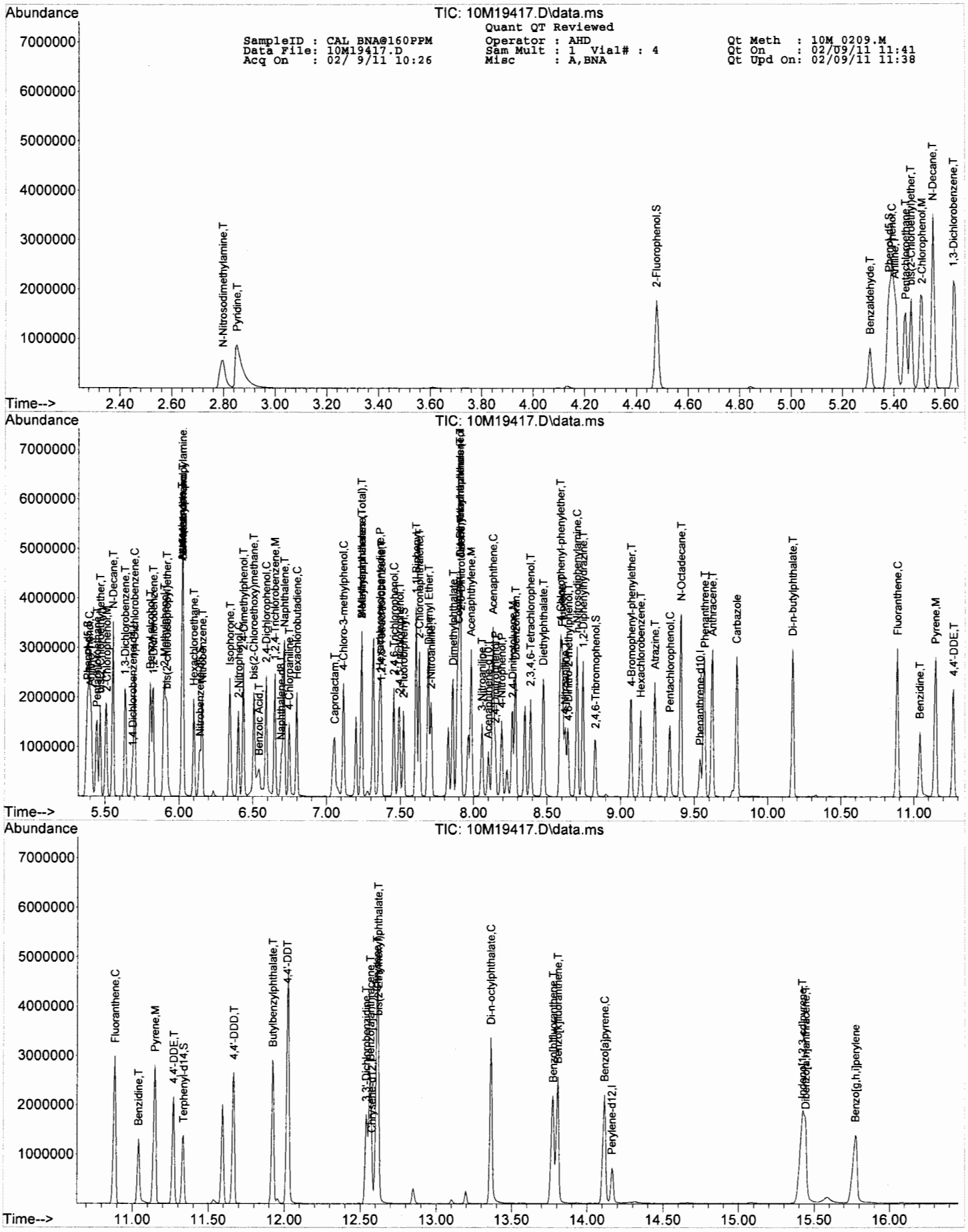
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19417.D Sam Mult : 1 Vial# : 4 Qt On : 02/09/11 11:41
Acq On : 02/ 9/11 10:26 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.265	165	286445	167.13 ng	71
67) 4-Nitrophenol	8.190	65	241640m	178.52 ng	
68) 2,3,4,6-Tetrachlorophenol	8.388	232	176925	166.69 ng	96
69) Fluorene	8.602	166	810812	148.82 ng	98
70) 4-Chlorophenyl-phenyle...	8.591	204	345436	150.16 ng	94
71) Diethylphthalate	8.473	149	918585	159.26 ng	99
72) 4-Nitroaniline	8.623	138	274804	168.75 ng	82
73) Atrazine	9.233	200	241721	162.62 ng	98
75) 4,6-Dinitro-2-methylph...	8.645	198	157230	189.05 ng	46
76) n-Nitrosodiphenylamine	8.703	169	732434	154.22 ng	97
78) 1,2-Diphenylhydrazine	8.746	77	1134916	160.32 ng	91
79) 4-Bromophenyl-phenylether	9.072	248	187245	154.25 ng	98
80) Hexachlorobenzene	9.137	284	182230	154.43 ng	86
81) N-Octadecane	9.409	57	832246	145.96 ng	98
82) Pentachlorophenol	9.334	266	134980	178.00 ng	97
83) Phenanthrene	9.570	178	1179157	151.32 ng	99
84) Anthracene	9.623	178	1201908	151.37 ng	99
85) Carbazole	9.789	167	1248541	153.87 ng	99
86) Di-n-butylphthalate	10.169	149	1581360	160.47 ng	99
87) Fluoranthene	10.886	202	1292088	157.70 ng	97
89) Pyrene	11.148	202	1301816	157.77 ng	95
90) Benzidine	11.041	184	509016	135.66 ng	92
92) 4,4'-DDE	11.271	246	240788	163.43 ng	92
93) 4,4'-DDD	11.666	235	461162	164.68 ng	82
94) Butylbenzylphthalate	11.923	149	731325	168.26 ng	81
95) 4,4'-DDT	12.020	235	369155	168.70 ng	91
96) 3,3'-Dichlorobenzidine	12.538	252	321299	200.10 ng	99
97) Benzo[a]anthracene	12.565	228	1109056	161.47 ng	98
98) Chrysene	12.608	228	1021886	153.87 ng	99
99) bis(2-Ethylhexyl)phtha...	12.619	149	927215	163.79 ng	95
101) Di-n-octylphthalate	13.362	149	1812367	173.46 ng	100
102) Benzo[b]fluoranthene	13.774	252	1109028	171.05 ng	97
103) Benzo[k]fluoranthene	13.806	252	979009	146.96 ng	97
104) Benzo[a]pyrene	14.116	252	1023071	159.18 ng	97
105) Indeno[1,2,3-cd]pyrene	15.421	276	1118638	165.65 ng	99
106) Dibenzo[a,h]anthracene	15.443	278	891312	163.13 ng	97
107) Benzo[g,h,i]perylene	15.774	276	963975	165.57 ng	88

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


Abundance
TIC: 10M19417.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M19417.D
Acq On : 02/ 9/11 10:26
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 11:41
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19417.D\data.ms
Isophorone,T
Benzoic Acid,T
Hexachloroethane,T
Naphthalene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->

Abundance
TIC: 10M19417.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19416.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:40
Acq On : 02/ 9/11 10:03 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.681	152	81567	40.00	ng	0.00
29) Naphthalene-d8	6.692	136	328051	40.00	ng	0.00
47) Acenaphthene-d10	8.099	164	179463	40.00	ng	0.00
74) Phenanthrene-d10	9.538	188	288556	40.00	ng	0.00
88) Chrysene-d12	12.576	240	242435	40.00	ng	0.00
100) Perylene-d12	14.170	264	249321	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.478	112	555698	197.94	ng	0.00
Spiked Amount 100.000			Recovery = 197.94%			
15) Phenol-d5	5.382	99	671048	189.30	ng	0.01
Spiked Amount 100.000			Recovery = 189.30%			
30) Nitrobenzene-d5	6.141	128	133051	95.62	ng	0.00
Spiked Amount 50.000			Recovery = 191.24%			
52) 2-Fluorobiphenyl	7.521	172	494178	103.40	ng	0.00
Spiked Amount 50.000			Recovery = 206.80%			
77) 2,4,6-Tribromophenol	8.832	330	105681	204.44	ng	0.00
Spiked Amount 100.000			Recovery = 204.44%			
91) Terphenyl-d14	11.335	244	477905	100.33	ng	0.00
Spiked Amount 50.000			Recovery = 200.66%			
Target Compounds						Qvalue
8) Pyridine	2.847	79	655389	204.43	ng	94
9) N-Nitrosodimethylamine	2.799	74	393955	204.53	ng	95
11) Benzaldehyde	5.307	77	129855	62.84	ng	78
12) Aniline	5.409	93	759566	189.47	ng	82
13) Pentachloroethane	5.441	117	184572	183.41	ng	88
14) bis(2-Chloroethyl)ether	5.467	93	505836	171.03	ng	93
16) Phenol	5.393	94	706776	179.68	ng	97
17) 2-Chlorophenol	5.510	128	528971	184.81	ng	90
18) N-Decane	5.553	57	767563	169.41	ng	99
19) 1,3-Dichlorobenzene	5.633	146	546765	177.38	ng	99
20) 1,4-Dichlorobenzene	5.697	146	552578	179.00	ng	98
21) 1,2-Dichlorobenzene	5.826	146	511123	175.75	ng	99
22) Benzyl alcohol	5.804	108	365284	186.89	ng	80
23) bis(2-chloroisopropyl)...	5.917	45	1098397	169.54	ng	93
24) 2-Methylphenol	5.901	108	511527	190.49	ng	95
25) Acetophenone	6.024	105	700978	166.01	ng	78
26) Hexachloroethane	6.099	117	235194	181.57	ng	99
27) N-Nitroso-di-n-propyla...	6.024	70	350385	167.04	ng	80
28) 3&4-Methylphenol	6.029	108	456443	170.25	ng	98
31) Nitrobenzene	6.157	77	590897	180.25	ng	85
32) Isophorone	6.345	82	1084423	186.34	ng	92
33) 2-Nitrophenol	6.404	139	299802	192.64	ng	91
34) 2,4-Dimethylphenol	6.436	107	541614	187.89	ng	97
35) Benzoic Acid	6.553	105	522715	252.21	ng	89
36) bis(2-Chloroethoxy)met...	6.510	93	617898	180.69	ng	97
37) 2,4-Dichlorophenol	6.591	162	408818	183.00	ng	90
38) 1,2,4-Trichlorobenzene	6.650	180	419518	173.03	ng	99
39) Naphthalene	6.714	128	1422046	172.11	ng	99
40) 4-Chloroaniline	6.746	127	408290m	163.33	ng	
41) Hexachlorobutadiene	6.799	225	196204	174.45	ng	96
42) Caprolactam	7.061	113	219334	214.81	ng	64
43) 4-Chloro-3-methylphenol	7.115	107	492918	188.84	ng	91
44) 2-Methylnaphthalene	7.238	142	921284	174.19	ng	99
45) Methylnaphthalenes (To...	7.238	142	921284	174.19	ng	99
46) 1,1'-Biphenyl	7.607	154	1152154	172.08	ng	95
48) 1,2,4,5-Tetrachloroben...	7.372	216	368126	175.77	ng	99
49) Hexachlorocyclopentadiene	7.361	237	224092	203.11	ng	100
50) 2,4,6-Trichlorophenol	7.457	196	274645m	192.11	ng	
51) 2,4,5-Trichlorophenol	7.495	196	297483m	196.84	ng	
53) 2-Chloronaphthalene	7.628	162	857109	173.80	ng	96
54) 1,4-Dimethylnaphthalene	7.906	156	600683	164.73	ng	96
55) Dimethylnaphthalenes (...	7.906	156	600683	164.73	ng	96
56) Diphenyl Ether	7.693	170	655013	178.03	ng	84
57) 2-Nitroaniline	7.709	65	417843	189.40	ng	77
58) Coumarin	7.896	146	354092	167.79	ng	59
59) Acenaphthylene	7.981	152	1363383	175.18	ng	100
60) Dimethylphthalate	7.858	163	1004573	178.68	ng	99
61) 2,6-Dinitrotoluene	7.912	165	206761	174.37	ng	73
62) Acenaphthene	8.131	153	855431	177.60	ng	97
63) 3-Nitroaniline	8.056	138	253564	184.04	ng	81
64) 2,4-Dinitrophenol	8.147	184	146613	229.46	ng	56
65) Dibenzofuran	8.286	168	1170824	169.65	ng	92

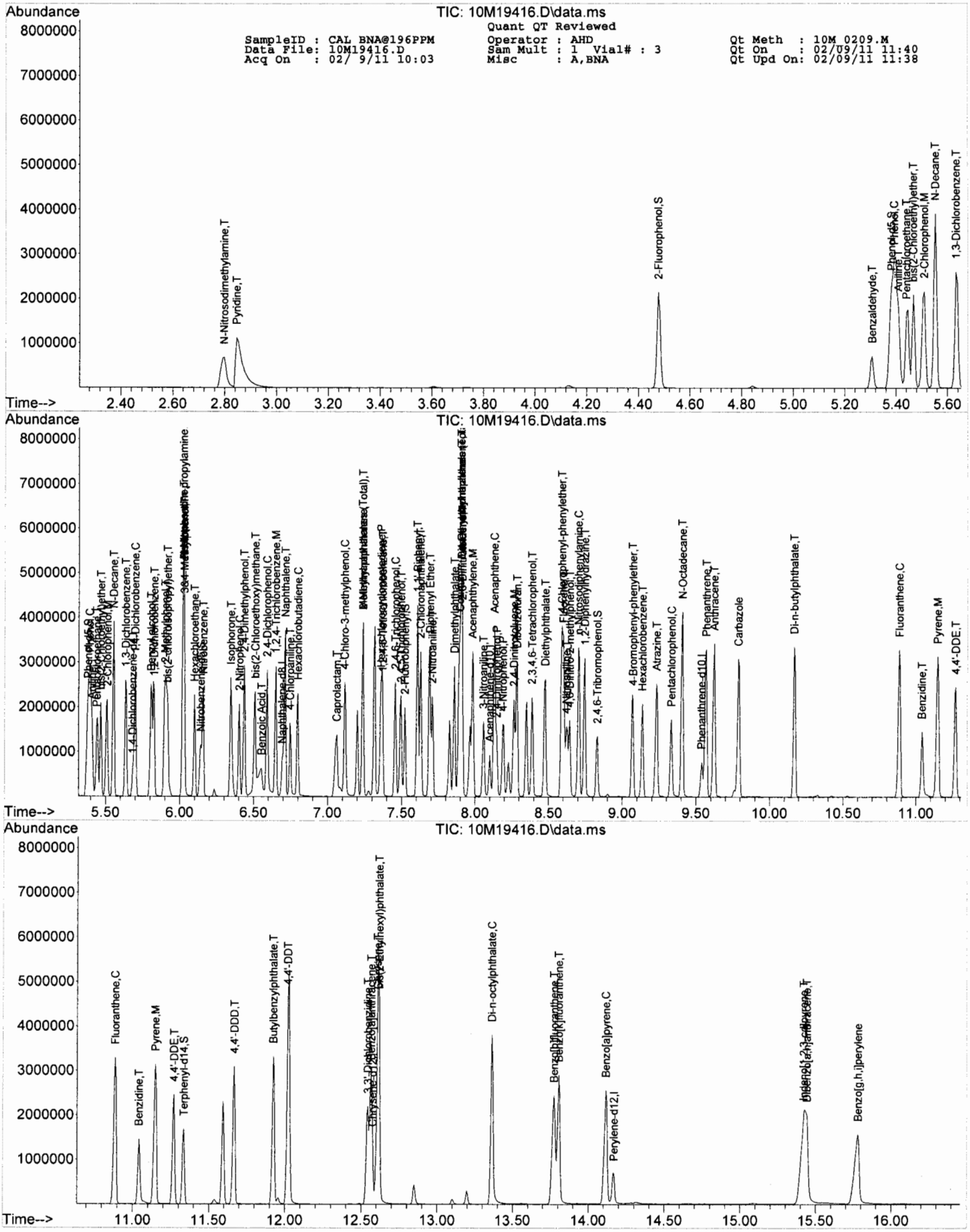
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19416.D Sam Mult : 1 Vial# : 3 Qt On : 02/09/11 11:40
Acq On : 02/ 9/11 10:03 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.265	165	336216	195.06 ng	77
67)	4-Nitrophenol	8.190	65	291258	213.97 ng	95
68)	2,3,4,6-Tetrachlorophenol	8.388	232	208120	194.98 ng	96
69)	Fluorene	8.602	166	955626	174.42 ng	99
70)	4-Chlorophenyl-phenyle...	8.591	204	408102	176.41 ng	94
71)	Diethylphthalate	8.479	149	1063091	183.28 ng	99
72)	4-Nitroaniline	8.623	138	323589	197.59 ng	85
73)	Atrazine	9.233	200	286933	191.95 ng	98
75)	4,6-Dinitro-2-methylph...	8.645	198	188962	228.88 ng	42
76)	n-Nitrosodiphenylamine	8.703	169	846070	179.47 ng	99
78)	1,2-Diphenylhydrazine	8.746	77	1319627	187.79 ng	89
79)	4-Bromophenyl-phenylether	9.072	248	221231	183.59 ng	94
80)	Hexachlorobenzene	9.137	284	212879	181.74 ng	86
81)	N-Octadecane	9.409	57	931220	164.53 ng	98
82)	Pentachlorophenol	9.335	266	162422	215.77 ng	96
83)	Phenanthrene	9.570	178	1380268	178.43 ng	99
84)	Anthracene	9.623	178	1429755	181.40 ng	99
85)	Carbazole	9.789	167	1445285	179.43 ng	99
86)	Di-n-butylphthalate	10.169	149	1845992	188.71 ng	99
87)	Fluoranthene	10.886	202	1521240	187.04 ng	99
89)	Pyrene	11.148	202	1541953	191.61 ng	94
90)	Benzidine	11.041	184	579478	158.36 ng	92
92)	4,4'-DDE	11.271	246	282974	196.93 ng	94
93)	4,4'-DDD	11.667	235	543619	199.04 ng	84
94)	Butylbenzylphthalate	11.923	149	863010	203.59 ng	80
95)	4,4'-DDT	12.020	235	435651	204.14 ng	92
96)	3,3'-Dichlorobenzidine	12.544	252	366295	233.90 ng	97
97)	Benzo[a]anthracene	12.565	228	1303471	194.58 ng	100
98)	Chrysene	12.608	228	1227980	189.58 ng	99
99)	bis(2-Ethylhexyl)phtha...	12.619	149	1063649	192.66 ng	94
101)	Di-n-octylphthalate	13.362	149	2104400	199.90 ng	100
102)	Benzo[b]fluoranthene	13.774	252	1296807m	198.52 ng	
103)	Benzo[k]fluoranthene	13.806	252	1189882	177.28 ng	97
104)	Benzo[a]pyrene	14.116	252	1235225	190.75 ng	97
105)	Indeno[1,2,3-cd]pyrene	15.421	276	1322418	194.36 ng	95
106)	Dibenzo[a,h]anthracene	15.443	278	1046547	190.10 ng	98
107)	Benzo[g,h,i]perylene	15.780	276	1133272	193.19 ng	88

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


Abundance
TIC: 10M19416.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M19416.D
Acq On : 02/ 9/11 10:03
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M 0209.M
Qt On : 02/09/11 11:40
Qt Upd On: 02/09/11 11:38
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19416.D\data.ms
Isophorone,T
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Time-->

Abundance
TIC: 10M19416.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19423.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:30
Acq On : 02/ 9/11 12:39 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
7) 1,4-Dichlorobenzene-d4	5.681	152	94761	40.00 ng	0.00
29) Naphthalene-d8	6.692	136	379371	40.00 ng	0.00
47) Acenaphthene-d10	8.093	164	208090	40.00 ng	0.00
74) Phenanthrene-d10	9.532	188	334648	40.00 ng	0.00
88) Chrysene-d12	12.565	240	304578	40.00 ng	0.00
100) Perylene-d12	14.164	264	279460	40.00 ng	0.00
System Monitoring Compounds					
10) 2-Fluorophenol	0.000	112	0d	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
15) Phenol-d5	0.000	99	0d	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
30) Nitrobenzene-d5	0.000	128	0	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
77) 2,4,6-Tribromophenol	0.000	330	0	0.00 ng	
Spiked Amount 100.000			Recovery	= 0.00%	
91) Terphenyl-d14	0.000	244	0d	0.00 ng	
Spiked Amount 50.000			Recovery	= 0.00%	
Target Compounds					Qvalue
8) Pyridine	0.000		0	N.D.	
9) N-Nitrosodimethylamine	0.000		0	N.D. d	
11) Benzaldehyde	0.000		0	N.D. d	
12) Aniline	0.000		0	N.D. d	
13) Pentachloroethane	0.000		0	N.D. d	
14) bis(2-Chloroethyl)ether	0.000		0	N.D. d	
16) Phenol	0.000		0	N.D. d	
17) 2-Chlorophenol	0.000		0	N.D. d	
18) N-Decane	0.000		0	N.D. d	
19) 1,3-Dichlorobenzene	0.000		0	N.D. d	
20) 1,4-Dichlorobenzene	0.000		0	N.D. d	
21) 1,2-Dichlorobenzene	0.000		0	N.D. d	
22) Benzyl alcohol	0.000		0	N.D. d	
23) bis(2-chloroisopropyl)...	0.000		0	N.D. d	
24) 2-Methylphenol	5.890	108	1400	0.45 ng	96
25) Acetophenone	0.000		0	N.D. d	
26) Hexachloroethane	0.000		0	N.D. d	
27) N-Nitroso-di-n-propyla...	0.000		0	N.D. d	
28) 3&4-Methylphenol	6.018	108	1489	0.48 ng	95
31) Nitrobenzene	0.000		0	N.D. d	
32) Isophorone	0.000		0	N.D. d	
33) 2-Nitrophenol	0.000		0	N.D. d	
34) 2,4-Dimethylphenol	6.430	107	1549	0.46 ng	89
35) Benzoic Acid	0.000		0	N.D. d	
36) bis(2-Chloroethoxy)met...	0.000		0	N.D. d	
37) 2,4-Dichlorophenol	0.000		0	N.D. d	
38) 1,2,4-Trichlorobenzene	0.000		0	N.D. d	
39) Naphthalene	6.708	128	5511	0.58 ng	98
40) 4-Chloroaniline	0.000		0	N.D. d	
41) Hexachlorobutadiene	0.000		0	N.D. d	
42) Caprolactam	0.000		0	N.D.	
43) 4-Chloro-3-methylphenol	0.000		0	N.D. d	
44) 2-Methylnaphthalene	0.000		0	N.D. d	
45) Methylnaphthalenes (To...	0.000		0	N.D. d	
46) 1,1'-Biphenyl	0.000		0	N.D. d	
48) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d	
49) Hexachlorocyclopentadiene	0.000		0	N.D.	
50) 2,4,6-Trichlorophenol	0.000		0	N.D. d	
51) 2,4,5-Trichlorophenol	0.000		0	N.D. d	
53) 2-Chloronaphthalene	0.000		0	N.D. d	
54) 1,4-Dimethylnaphthalene	0.000		0	N.D. d	
55) Dimethylnaphthalenes (...	0.000		0	N.D. d	
56) Diphenyl Ether	0.000		0	N.D. d	
57) 2-Nitroaniline	0.000		0	N.D. d	
58) Coumarin	0.000		0	N.D. d	
59) Acenaphthylene	0.000		0	N.D. d	
60) Dimethylphthalate	0.000		0	N.D. d	
61) 2,6-Dinitrotoluene	0.000		0	N.D. d	
62) Acenaphthene	0.000		0	N.D. d	
63) 3-Nitroaniline	0.000		0	N.D. d	
64) 2,4-Dinitrophenol	0.000		0	N.D.	
65) Dibenzofuran	8.275	168	4437	0.55 ng	92

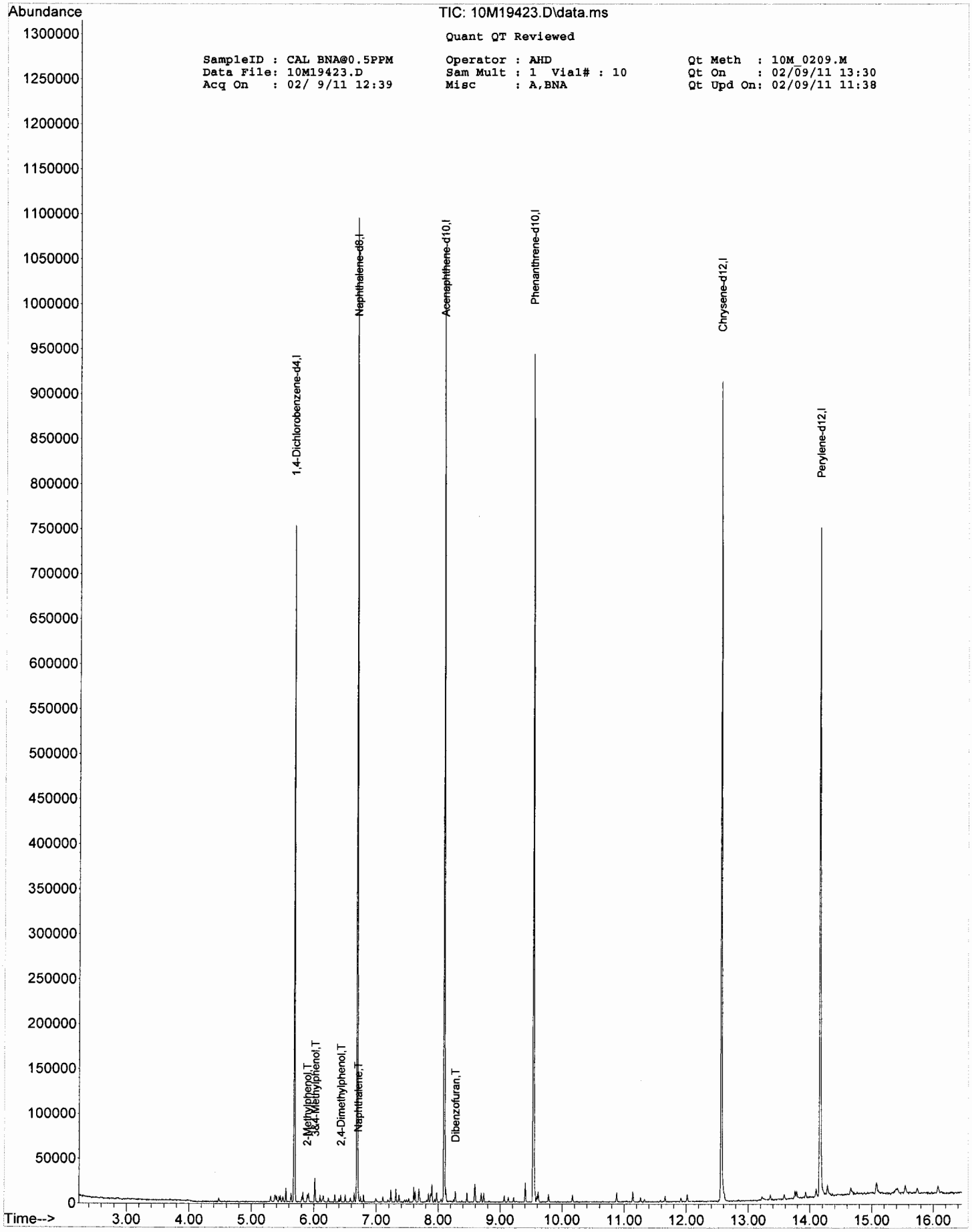
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@0.5PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19423.D Sam Mult : 1 Vial# : 10 Qt On : 02/09/11 13:30
Acq On : 02/ 9/11 12:39 Misc : A,BNA Qt Upd On: 02/09/11 11:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
67)	4-Nitrophenol	0.000		0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
69)	Fluorene	0.000		0	N.D.	d	
70)	4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
71)	Diethylphthalate	0.000		0	N.D.	d	
72)	4-Nitroaniline	0.000		0	N.D.	d	
73)	Atrazine	0.000		0	N.D.	d	
75)	4,6-Dinitro-2-methylph...	0.000		0	N.D.		
76)	n-Nitrosodiphenylamine	0.000		0	N.D.	d	
78)	1,2-Diphenylhydrazine	0.000		0	N.D.	d	
79)	4-Bromophenyl-phenylether	0.000		0	N.D.	d	
80)	Hexachlorobenzene	0.000		0	N.D.	d	
81)	N-Octadecane	0.000		0	N.D.	d	
82)	Pentachlorophenol	0.000		0	N.D.		
83)	Phenanthrene	0.000		0	N.D.	d	
84)	Anthracene	0.000		0	N.D.	d	
85)	Carbazole	0.000		0	N.D.	d	
86)	Di-n-butylphthalate	0.000		0	N.D.	d	
87)	Fluoranthene	0.000		0	N.D.	d	
89)	Pyrene	0.000		0	N.D.	d	
90)	Benzidine	0.000		0	N.D.	d	
92)	4,4'-DDE	0.000		0	N.D.	d	
93)	4,4'-DDD	0.000		0	N.D.	d	
94)	Butylbenzylphthalate	0.000		0	N.D.	d	
95)	4,4'-DDT	0.000		0	N.D.	d	
96)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
97)	Benzo[a]anthracene	0.000		0	N.D.	d	
98)	Chrysene	0.000		0	N.D.	d	
99)	bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
101)	Di-n-octylphthalate	0.000		0	N.D.	d	
102)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
103)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
104)	Benzo[a]pyrene	0.000		0	N.D.	d	
105)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
106)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
107)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 10M19423.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@0.5PPM
Data File: 10M19423.D
Acq On : 02/ 9/11 12:39
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/09/11 13:30
Qt Upd On: 02/09/11 11:38
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0290

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19638.	CAL BNA@50PPM	03/02/11 14:04	2	10M19639.	CAL BNA@2PPM	03/02/11 15:31
3	10M19641.	CAL BNA@10PPM	03/02/11 16:16	4	10M19642.	CAL BNA@20PPM	03/02/11 16:38
5	10M19643.	CAL BNA@80PPM	03/02/11 17:00	6	10M19644.	CAL BNA@120PPM	03/02/11 17:22
7	10M19645.	CAL BNA@160PPM	03/02/11 17:45	8	10M19646.	CAL BNA@196PPM	03/02/11 18:07
9	10M19640.	CAL BNA@.5PPM	03/02/11 15:54				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.5010	1.0964	1.5391	1.6455	1.6742	1.5132	1.4953	1.5067	-----	1.50	2.79	0.998	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.9191	0.7628	0.9398	0.9985	1.0073	0.8846	0.8744	0.8788	-----	0.908	2.72	0.997	0.998	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.3376	1.2015	1.3296	1.4350	1.4431	1.3584	1.3220	1.3223	-----	1.34	4.42	0.999	0.999	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chloroacetamide	1	0	LinF	0.3452	0.1611	0.3056	0.3508	0.3806	0.3500	0.3560	0.3541	-----	0.325	4.69	0.999	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.0441	0.9091	0.9943	1.0549	0.8587	0.5922	0.4714	0.3855	-----	0.789	5.26	0.856	0.992	34		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.1551	1.4375	1.7795	2.1104	2.2038	1.9668	1.8131	1.7689	-----	1.90	5.36	0.990	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4551	0.4770	0.4978	0.5093	0.4713	0.4409	0.4219	0.4209	-----	0.462	5.40	0.998	0.999	7.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3331	1.4769	1.5408	1.5934	1.4099	1.3063	1.2221	1.1871	-----	1.38	5.42	0.995	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.7412	1.5382	1.7715	1.9566	1.7952	1.6661	1.6184	1.6258	-----	1.71	5.33	0.998	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9318	1.8774	1.9887	2.1748	1.9553	1.7903	1.6728	1.6601	-----	1.88	5.34	0.995	0.999	9.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3705	1.2932	1.4263	1.5357	1.4319	1.3265	1.2712	1.3096	-----	1.37	5.46	0.998	0.998	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.9379	2.0204	2.1714	2.1143	1.9124	1.7283	1.6423	1.6305	-----	1.89	5.51	0.996	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Chlorophenol	1	0	Avg	1.4618	1.4393	1.5418	1.7135	1.5005	1.3649	1.3387	1.3183	-----	1.46	6.62	0.997	0.999	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.4462	1.6969	1.6210	1.6304	1.4974	1.3939	1.3211	1.3046	-----	1.49	5.59	0.997	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.4627	1.7344	1.6418	1.6758	1.4695	1.3927	1.3126	1.3312	-----	1.50	5.65	0.998	0.999	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.3778	1.5694	1.5328	1.6247	1.4439	1.3146	1.2465	1.2019	-----	1.41	5.78	0.994	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9437	0.7721	0.9642	1.0592	1.0127	0.9500	0.9118	0.9024	-----	0.940	5.76	0.998	0.999	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	3.1496	3.4801	3.5740	3.6755	3.1987	2.8768	2.6302	2.5152	-----	3.14	5.87	0.989	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3914	1.2595	1.4359	1.5754	1.3990	1.2763	1.2495	1.2116	1.0899	1.32	5.85	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Acetophenone	1	0	Avg	2.0283	2.2072	2.3365	2.4027	1.9599	1.7950	1.7094	1.6939	-----	2.02	5.97	0.996	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6107	0.6289	0.6742	0.7073	0.6365	0.5952	0.5709	0.5600	-----	0.623	6.06	0.997	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.0146	1.0656	1.1347	1.2107	0.9817	0.8986	0.8580	0.8472	-----	1.00	5.98	0.996	0.999	13	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.3563	1.4138	1.5328	1.5576	1.2941	1.1808	1.1132	1.0908	1.0089	1.28	5.98	0.994	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Nitrobenzene-d5	1	0	Avg	0.1702	0.1437	0.1734	0.1790	0.1743	0.1711	0.1687	0.1659	-----	0.168	6.09	1.00	1.00	6.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3876	0.3749	0.4106	0.4193	0.3865	0.3746	0.3594	0.3498	-----	0.383	6.11	0.998	1.00	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6970	0.6479	0.7351	0.7853	0.7124	0.6638	0.6549	0.6549	-----	0.694	6.30	0.999	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1877	0.1384	0.1888	0.2051	0.2005	0.1927	0.1864	0.1846	-----	0.186	6.36	0.999	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3588	0.3476	0.3763	0.3950	0.3584	0.3540	0.3349	0.3275	0.2586	0.346	6.39	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
Benzoic Acid	1	0	Qua	0.2551	0.0825	0.1366	0.2220	0.2989	0.3043	0.3156	0.3261	-----	0.243	6.47	0.993	0.998	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4080	0.4122	0.4580	0.4614	0.4090	0.3886	0.3679	0.3672	-----	0.409	6.46	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.2831	0.2492	0.2856	0.3049	0.2860	0.2727	0.2607	0.2550	-----	0.275	6.54	0.997	1.00	6.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.2964	0.3115	0.3422	0.3262	0.2911	0.2733	0.2587	0.2544	-----	0.294	6.61	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	0.9863	1.1167	1.0940	1.1046	0.9564	0.9199	0.8399	0.8375	1.1981	1.01	6.67	0.995	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
3-Chloroaniline	1	0	Qua	0.4405	0.3880	0.4322	0.4583	0.5472	0.4806	0.4123	0.3920	-----	0.444	6.69	0.974	0.994	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.3467	0.2633	0.2550	0.3293	0.4044	0.2899	0.3060	0.3100	-----	0.313	6.70	0.982	0.985	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1328	0.1574	0.1502	0.1484	0.1323	0.1324	0.1233	0.1219	-----	0.137	6.76	0.998	0.999	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1336	0.0727	0.1187	0.1409	0.1335	0.1434	0.1393	0.1407	-----	0.128	6.98	0.999	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3250	0.2675	0.3232	0.3479	0.3174	0.3064	0.2965	0.2974	-----	0.310	7.07	0.999	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.6539	0.6872	0.7044	0.7472	0.6453	0.6087	0.5667	0.5679	-----	0.648	7.20	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.6539	0.6872	0.7044	0.7472	0.6453	0.6087	0.5667	0.5679	-----	0.648	7.20	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichloroaniline	1	0	Avg	0.3310	0.3405	0.3827	0.3760	0.3134	0.2909	0.2655	0.2586	-----	0.320	7.31	0.992	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0291

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19638.	CAL BNA@50PPM	03/02/11 14:04	2	10M19639.	CAL BNA@2PPM	03/02/11 15:31
3	10M19641.	CAL BNA@10PPM	03/02/11 16:16	4	10M19642.	CAL BNA@20PPM	03/02/11 16:38
5	10M19643.	CAL BNA@80PPM	03/02/11 17:00	6	10M19644.	CAL BNA@120PPM	03/02/11 17:22
7	10M19645.	CAL BNA@160PPM	03/02/11 17:45	8	10M19646.	CAL BNA@196PPM	03/02/11 18:07
9	10M19640.	CAL BNA@.5PPM	03/02/11 15:54				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
1.1'-Biphenyl	1	0	Avg	0.8344	0.9358	0.9666	0.9852	0.8136	0.7611	0.7038	0.6928	-----	0.837	7.56	0.995	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben:	1	0	Avg	0.4662	0.4866	0.5228	0.5210	0.4337	0.4210	0.3863	0.3853	-----	0.453	7.32	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Avg	0.2450	0.1811	0.2315	0.2619	0.2458	0.2453	0.2315	0.2353	-----	0.235	7.31	0.999	1.00	10	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3393	0.2649	0.3167	0.3549	0.3346	0.3203	0.3066	0.3044	-----	0.318	7.41	0.998	1.00	8.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.5-Trichlorophenol	1	0	Avg	0.3546	0.2913	0.3375	0.3898	0.3659	0.3441	0.3263	0.3324	-----	0.343	7.44	0.998	0.999	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.2167	1.2655	1.2793	1.3494	1.2120	1.1767	1.1106	1.1105	-----	1.22	7.48	0.998	1.00	6.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
1.2.3.4-Tetrachloroben:	1	0	Avg	0.3562	0.3679	0.3830	0.3982	0.3371	0.3204	0.3005	0.2997	-----	0.345	7.55	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chloronaphthalene	1	0	Avg	1.0841	1.1395	1.1789	1.2578	1.0568	1.0286	0.9511	0.9411	-----	1.08	7.58	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichlorophenol	1	0	Avg	0.5392	0.4487	0.5371	0.5920	0.5366	0.4902	0.4650	0.4531	-----	0.508	7.63	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3.4-Dichloroaniline	1	0	Qua	0.5091	0.4765	0.5495	0.6101	0.4525	0.3405	0.2699	-----	-----	0.458	7.76	0.894	0.998	26		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
1.4-Dimethylnaphthaler	1	0	Qua	0.7663	0.9094	0.8693	0.9043	0.7237	0.6772	0.6221	0.6067	-----	0.760	7.86	0.993	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Qua	0.7663	0.9094	0.8693	0.9043	0.7237	0.6772	0.6221	0.6067	-----	0.760	7.86	0.993	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.8050	0.9034	0.9083	0.9194	0.7738	0.7306	0.6614	0.6486	-----	0.794	7.64	0.993	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4891	0.4120	0.4929	0.5572	0.4974	0.4701	0.4374	0.4396	-----	0.475	7.66	0.997	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Coumarin	1	0	Avg	0.5088	0.5114	0.5443	0.5926	0.4789	0.4492	0.3995	0.3859	-----	0.484	7.84	0.988	0.999	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.7382	1.8339	1.8984	2.0041	1.7083	1.6172	1.5205	1.5003	-----	1.73	7.93	0.995	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Qua	1.2725	1.6311	1.3649	1.8240	1.2468	1.1690	1.1312	1.1170	-----	1.34	7.80	0.989	0.994	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.2720	0.2567	0.3010	0.3186	0.2619	0.2460	0.2336	0.2298	-----	0.265	7.86	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.0486	1.1850	1.1548	1.2056	1.0438	0.9804	0.9557	0.9225	-----	1.06	8.08	0.997	1.00	10	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3251	0.2654	0.3178	0.3520	0.3145	0.2955	0.2819	0.2685	-----	0.303	8.01	0.995	1.00	9.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1450	-----	0.0806	0.1308	0.1624	0.1674	0.1732	0.1746	-----	0.148	8.09	0.999	1.00	23	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorobenzene	1	0	Avg	0.3661	0.4173	0.3919	0.4093	0.3507	0.3359	0.3263	0.3195	-----	0.365	8.20	0.998	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.4904	1.6608	1.6921	1.6986	1.4375	1.3922	1.2820	1.2776	1.7382	1.52	8.23	0.996	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	0.50
2.4.5-Trichloroaniline	1	0	Avg	0.4425	0.4252	0.4695	0.4941	0.4232	0.3985	0.3555	0.3268	-----	0.417	8.28	0.982	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.3929	0.2892	0.3879	0.4265	0.4042	0.3909	0.3738	0.3639	-----	0.379	8.21	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3045	0.1695	0.2584	0.3186	0.3162	0.3116	0.3246	0.3056	-----	0.289	8.14	0.998	0.999	18	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.5-Tetrachlorophe	1	0	Avg	0.2334	0.2257	0.2164	0.3011	0.2849	0.2626	0.2847	0.2595	-----	0.259	8.32	0.994	0.995	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Qua	0.2469	0.1742	0.2797	0.2555	0.1948	0.2218	0.1735	-----	-----	0.221	8.34	0.976	0.991	19		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Fluorene	1	0	Avg	1.1930	1.3197	1.3722	1.3665	1.1716	1.1365	1.0695	1.0500	-----	1.21	8.55	0.997	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyle	1	0	Avg	0.5030	0.5483	0.5847	0.5838	0.4888	0.4868	0.4612	0.4478	-----	0.513	8.54	0.998	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3015	1.2513	1.3547	1.4267	1.2717	1.2335	1.1847	1.1529	-----	1.27	8.43	0.998	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3705	0.2809	0.3641	0.4035	0.3749	0.3769	0.3573	0.3471	-----	0.359	8.56	0.998	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.5.6-Tetrachloroanili	1	0	Avg	0.3513	0.4094	0.3797	0.4086	0.3416	0.3356	0.3109	0.3066	-----	0.356	8.69	0.997	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.3478	0.2941	0.3446	0.3792	0.3397	0.3312	0.3178	0.3183	-----	0.334	9.18	0.999	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	LinF	0.1277	0.0572	0.0967	0.1197	0.1316	0.1351	0.1289	0.1277	-----	0.116	8.59	0.999	1.00	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6879	0.6891	0.7234	0.7597	0.6509	0.6483	0.6028	0.5841	-----	0.668	8.65	0.996	1.00	8.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0755	0.0512	0.0723	0.0826	0.0744	0.0749	0.0731	0.0707	-----	0.0719	8.78	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.8650	0.9267	0.9860	0.9889	0.8408	0.8732	0.8022	0.7682	-----	0.881	8.69	0.995	0.999	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyle	1	0	Avg	0.1658	0.1726	0.1837	0.1881	0.1610	0.1592	0.1539	0.1493	-----	0.167	9.02	0.998	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1613	0.1749	0.1765	0.1778	0.1562	0.1549	0.1481	0.1429	-----	0.162	9.08	0.994	0.999	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.7495	0.7038	0.8175	0.8572	0.7112	0.6771	0.6073	0.5803	-----	0.713	9.36	0.989	0.999	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M19638.	CAL BNA@50PPM	03/02/11 14:04
3	10M19641.	CAL BNA@10PPM	03/02/11 16:16
5	10M19643.	CAL BNA@80PPM	03/02/11 17:00
7	10M19645.	CAL BNA@160PPM	03/02/11 17:45
9	10M19640.	CAL BNA@.5PPM	03/02/11 15:54

Level #:	Data File:	Cal Identifier:	Analysis Date/Time
2	10M19639.	CAL BNA@2PPM	03/02/11 15:31
4	10M19642.	CAL BNA@20PPM	03/02/11 16:38
6	10M19644.	CAL BNA@120PPM	03/02/11 17:22
8	10M19646.	CAL BNA@196PPM	03/02/11 18:07

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pentachloronitrobenzei	1	0	Avg	0.0852	0.0667	0.0814	0.0892	0.0847	0.0842	0.0801	0.0768	----	0.0811	9.30	0.997	1.00	8.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1047	0.0417	0.0774	0.1041	0.1113	0.1097	0.1079	0.1050	----	0.0953	9.28	0.999	1.00	25	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.0534	1.1463	1.1668	1.1905	1.0310	0.9848	0.9306	0.9179	----	1.05	9.52	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.0944	1.1553	1.1855	1.2091	1.0476	1.0200	0.9839	0.9326	----	1.08	9.57	0.996	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroaniline	1	0	Avg	0.1772	0.1896	0.1991	0.1991	0.1752	0.1686	0.1609	0.1553	----	0.178	9.76	0.997	1.00	9.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1211	1.1146	1.2266	1.2478	1.0931	1.0589	1.0116	0.9622	----	1.10	9.74	0.996	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4030	1.0698	1.3722	1.5069	1.3557	1.3008	1.2763	1.2065	----	1.31	10.12	0.997	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Parathion	1	0	LinF	0.0583	0.0218	0.0406	0.0553	0.0572	0.0557	0.0559	0.0547	----	0.0500	10.32	0.999	1.00	25		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.1472	1.0954	1.2289	1.1882	1.1110	1.0776	1.0187	0.9601	----	1.10	10.83	0.994	1.00	7.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.3023	1.2819	1.4113	1.4770	1.3427	1.3171	1.2912	1.2729	----	1.34	11.09	0.999	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5828	0.1292	0.2832	0.4809	0.5563	0.4654	0.4065	0.3630	----	0.408	10.99	0.951	0.997	37		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	0.7962	0.7820	0.8010	0.8897	0.8246	0.8106	0.7944	0.8078	0.7709	0.809	11.28	1.00	1.00	4.2		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	0.25
4,4'-DDE	1	0	Avg	0.2383	0.2184	0.2441	0.2696	0.2459	0.2456	0.2365	0.2396	----	0.242	11.22	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDD	1	0	Avg	0.4479	0.3734	0.4556	0.5141	0.4744	0.4585	0.4514	0.4533	----	0.454	11.61	0.999	1.00	8.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-hexyl phthalate	1	0	Qua	1.6772	1.0200	1.5290	1.8516	1.7685	1.7011	1.6628	1.6670	----	1.61	11.80	0.999	1.00	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Butylbenzylphthalate	1	0	Avg	0.7219	0.4809	0.6950	0.7808	0.7578	0.7284	0.7206	0.7089	----	0.699	11.88	0.999	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.3879	0.2759	0.3678	0.4253	0.4096	0.3815	0.3678	0.3621	----	0.372	11.97	0.997	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3325	0.2047	0.2382	0.3149	0.3562	0.3219	0.2937	0.2725	----	0.292	12.48	0.983	0.999	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.0622	1.0705	1.1509	1.1769	1.0894	1.0808	1.0280	1.0029	----	1.08	12.51	0.998	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.0404	1.1734	1.1720	1.2005	1.0623	0.9886	0.9694	0.9438	----	1.07	12.55	0.998	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9483	0.5956	0.8555	1.0087	0.9699	0.9493	0.9015	0.8782	----	0.888	12.57	0.997	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	LinF	1.7530	0.8591	1.4340	1.8032	1.9012	1.7704	1.7754	1.7182	----	1.63	13.31	0.998	0.999	21	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.0543	0.9159	1.0973	1.1396	1.0329	1.0535	1.0658	1.0297	----	1.05	13.71	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.1055	1.0123	1.1722	1.2658	1.1251	0.9911	0.9520	0.9194	----	1.07	13.75	0.993	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.0531	0.8564	1.1196	1.1449	1.0689	1.0025	0.9837	0.9737	----	1.03	14.06	0.999	1.00	9.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.0711	0.8341	1.0914	1.1565	1.1037	1.0510	1.0358	1.0055	----	1.04	15.34	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracen	1	0	Avg	0.8615	0.7227	0.9134	0.9271	0.8878	0.8414	0.8232	0.7944	----	0.846	15.36	0.998	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9148	0.7928	0.9494	0.9929	0.9437	0.9122	0.8911	0.8735	----	0.909	15.68	0.999	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 11.4

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19638.D Sam Mult : 1 Vial# : 2 Qt On : 03/02/11 18:48
Acq On : 03/ 2/11 14:04 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.639	152	95325	40.00	ng	0.00
31) Naphthalene-d8	6.649	136	381638	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	214465	40.00	ng	0.00
85) Phenanthrene-d10	9.490	188	345071	40.00	ng	0.00
102) Chrysene-d12	12.522	240	307913	40.00	ng	0.00
115) Perylene-d12	14.116	264	279142	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.424	112	159388	48.81	ng	-0.01
Spiked Amount 100.000			Recovery = 48.81%			
16) Phenol-d5	5.328	99	207486	49.73	ng	-0.02
Spiked Amount 100.000			Recovery = 49.73%			
32) Nitrobenzene-d5	6.093	128	40607	25.74	ng	0.00
Spiked Amount 50.000			Recovery = 51.48%			
56) 2-Fluorobiphenyl	7.478	172	163098	24.84	ng	0.00
Spiked Amount 50.000			Recovery = 49.68%			
88) 2,4,6-Tribromophenol	8.778	330	32578	52.88	ng	0.00
Spiked Amount 100.000			Recovery = 52.88%			
105) Terphenyl-d14	11.281	244	153230	25.22	ng	0.00
Spiked Amount 50.000			Recovery = 50.44%			
Target Compounds						Qvalue
8) Pyridine	2.788	79	178860	47.28	ng	93
9) N-Nitrosodimethylamine	2.724	74	109516	47.41	ng	94
11) Chloroacetamide	4.692	93	41144	51.63	ng	38
12) Benzaldehyde	5.259	77	124420	64.85	ng	80
13) Aniline	5.355	93	256794	53.72	ng	77
14) Pentachloroethane	5.398	117	54235	45.86	ng	88
15) bis(2-Chloroethyl)ether	5.419	93	158856	47.31	ng	93
17) Phenol	5.344	94	230191	49.12	ng	91
18) 2-Chlorophenol	5.457	128	163307	48.86	ng	93
19) N-Decane	5.510	57	230923	43.54	ng	96
20) 3-Chlorophenol	6.617	128	174191	50.83	ng	92
21) 1,3-Dichlorobenzene	5.590	146	172327	48.13	ng	97
22) 1,4-Dichlorobenzene	5.655	146	174293	48.49	ng	98
23) 1,2-Dichlorobenzene	5.778	146	164178	47.51	ng	98
24) Benzyl alcohol	5.756	108	112450	48.84	ng	78
25) bis(2-chloroisopropyl)...	5.869	45	375300	49.19	ng	92
26) 2-Methylphenol	5.853	108	165797	51.66	ng	94
27) Acetophenone	5.970	105	241691	49.41	ng	76
28) Hexachloroethane	6.056	117	72769	48.03	ng	95
29) N-Nitroso-di-n-propyla...	5.976	70	120898	48.94	ng	94
30) 3&4-Methylphenol	5.976	108	161617	51.41	ng	99
33) Nitrobenzene	6.109	77	184923	48.87	ng	82
34) Isophorone	6.296	82	332522	49.30	ng	89
35) 2-Nitrophenol	6.355	139	89550	50.24	ng	88
36) 2,4-Dimethylphenol	6.387	107	171187	50.54	ng	100
37) Benzoic Acid	6.473	105	121716	49.83	ng	90
38) bis(2-Chloroethoxy)met...	6.462	93	194640	48.65	ng	96
39) 2,4-Dichlorophenol	6.542	162	135053	52.16	ng	88
40) 1,2,4-Trichlorobenzene	6.607	180	141426	50.51	ng	99
41) Naphthalene	6.665	128	470538m	48.56	ng	
42) 3-Chloroaniline	6.692	127	210181	53.59	ng	95
43) 4-Chloroaniline	6.703	127	165436m	53.57	ng	
44) Hexachlorobutadiene	6.756	225	63384	48.39	ng	97
45) Caprolactam	6.981	113	63773	53.71	ng	64
46) 4-Chloro-3-methylphenol	7.067	107	155042	52.24	ng	87
47) 2-Methylnaphthalene	7.195	142	311982	50.22	ng	97
48) Methylnaphthalenes (To...	7.195	142	311982	50.22	ng	97
49) 2,4-Dichloroaniline	7.313	161	157905	46.60	ng	97
50) 1,1'-Biphenyl	7.559	154	398051	50.89	ng	96
52) 1,2,4,5-Tetrachloroben...	7.323	216	125004	49.43	ng	97
53) Hexachlorocyclopentadiene	7.313	237	65694	50.81	ng	98
54) 2,4,6-Trichlorophenol	7.409	196	90980	53.76	ng	100
55) 2,4,5-Trichlorophenol	7.441	196	95070	51.56	ng	98
57) 1,2,3,4-Tetrachloroben...	7.548	214	95499	46.51	ng	56
58) 2-Chloronaphthalene	7.580	162	290632	48.53	ng	95
59) 3,4-Dichlorophenol	7.628	162	144567	21.94	ng	96
60) 3,4-Dichloroaniline	7.762	161	136503	40.60	ng	98
61) 1,4-Dimethylnaphthalene	7.858	156	205438	46.36	ng	93
62) Dimethylnaphthalenes (...	7.858	156	205438	46.36	ng	93
63) Diphenyl Ether	7.644	170	215827	48.13	ng	85
64) 2-Nitroaniline	7.660	65	131124	49.62	ng	69
65) Coumarin	7.842	146	136404	53.54	ng	68

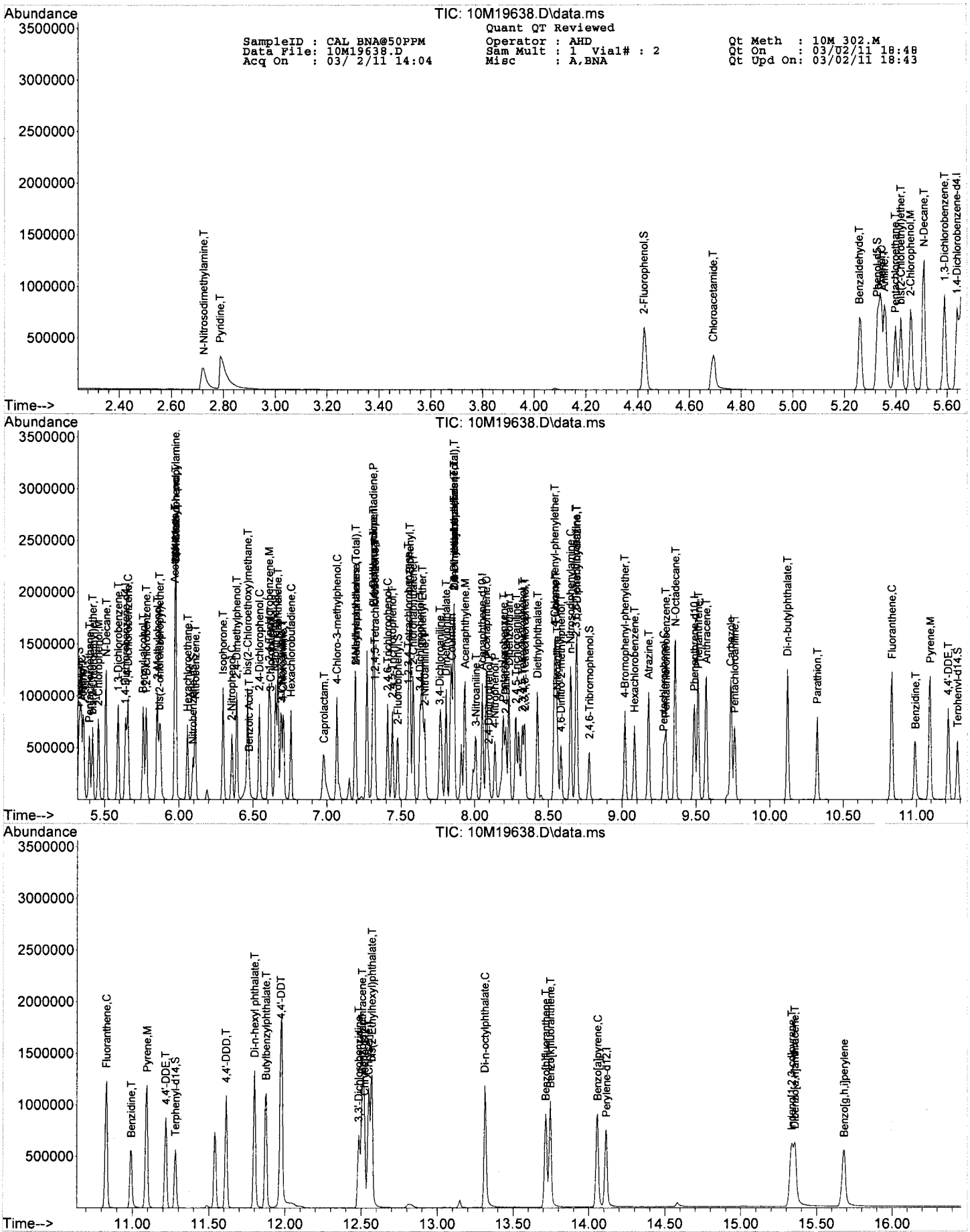
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19638.D Sam Mult : 1 Vial# : 2 Qt On : 03/02/11 18:48
Acq On : 03/ 2/11 14:04 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66)	Acenaphthylene	7.933	152	466001	49.45 ng	99
67)	Dimethylphthalate	7.805	163	341151	49.77 ng	99
68)	2,6-Dinitrotoluene	7.858	165	72939	50.82 ng	72
69)	Acenaphthene	8.078	153	281133	48.51 ng	99
70)	3-Nitroaniline	8.008	138	87166	50.27 ng	73
71)	2,4-Dinitrophenol	8.094	184	38884	50.55 ng	55
72)	Pentachlorobenzene	8.195	250	98156	45.41 ng	99
73)	Dibenzofuran	8.233	168	399566	47.88 ng	91
74)	2,4,5-Trichloroaniline	8.281	195	118634	44.81 ng	98
75)	2,4-Dinitrotoluene	8.211	165	105352	51.26 ng	73
76)	4-Nitrophenol	8.136	65	81646	49.79 ng	96
77)	2,3,4,5-Tetrachlorophenol	8.324	232	62585m	45.21 ng	
78)	2,3,4,6-Tetrachlorophenol	8.340	232	66190m	51.14 ng	
79)	Fluorene	8.548	166	319827	47.90 ng	100
80)	4-Chlorophenyl-phenyle...	8.543	204	134846	48.63 ng	90
81)	Diethylphthalate	8.425	149	348930	50.50 ng	100
82)	4-Nitroaniline	8.559	138	99333	49.60 ng	80
83)	2,3,5,6-Tetrachloroani...	8.687	231	94201	45.69 ng	96
84)	Atrazine	9.179	200	93240	51.63 ng	99
86)	4,6-Dinitro-2-methylph...	8.586	198	55088	55.89 ng	44
87)	n-Nitrosodiphenylamine	8.650	169	296734	52.12 ng	97
89)	1,2-Diphenylhydrazine	8.693	77	373117	45.01 ng	91
90)	4-Bromophenyl-phenylether	9.019	248	71518	49.47 ng	96
91)	Hexachlorobenzene	9.083	284	69585	49.48 ng	92
92)	N-Octadecane	9.361	57	323298	47.53 ng	96
93)	Pentachloronitrobenzene	9.297	237	36789	44.87 ng	94
94)	Pentachlorophenol	9.281	266	45175	54.97 ng	96
95)	Phenanthrene	9.516	178	454376	49.00 ng	99
96)	Anthracene	9.570	178	472063	49.70 ng	100
97)	Pentachloroaniline	9.762	265	76432	43.63 ng	99
98)	Carbazole	9.736	167	483610	49.86 ng	99
99)	Di-n-butylphthalate	10.121	149	605173	51.21 ng	98
100)	Parathion	10.324	291	25158	45.58 ng	96
101)	Fluoranthene	10.832	202	494838	50.11 ng	99
103)	Pyrene	11.094	202	501274	49.02 ng	94
104)	Benzidine	10.993	184	224316	54.67 ng	89
106)	4,4'-DDE	11.217	246	91751	50.60 ng	91
107)	4,4'-DDD	11.613	235	172414	49.77 ng	84
108)	Di-n-hexyl phthalate	11.800	149	645543	46.41 ng	100
109)	Butylbenzylphthalate	11.875	149	277881	52.25 ng	74
110)	4,4'-DDT	11.971	235	149318	55.43 ng	90
111)	3,3'-Dichlorobenzidine	12.485	252	127987	55.99 ng	99
112)	Benzo[a]anthracene	12.506	228	408851	47.70 ng	100
113)	Chrysene	12.549	228	400453	48.76 ng	99
114)	bis(2-Ethylhexyl)phtha...	12.570	149	364995	52.58 ng	95
116)	Di-n-octylphthalate	13.314	149	611669	51.61 ng	100
117)	Benzo[b]fluoranthene	13.715	252	367887	48.65 ng	99
118)	Benzo[k]fluoranthene	13.747	252	385762	51.35 ng	96
119)	Benzo[a]pyrene	14.057	252	367479	49.87 ng	97
120)	Indeno[1,2,3-cd]pyrene	15.336	276	373738	48.39 ng	95
121)	Dibenzo[a,h]anthracene	15.357	278	300603	47.95 ng	98
122)	Benzo[g,h,i]perylene	15.683	276	319209	47.99 ng	90

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


Abundance
TIC: 10M19638.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19638.D
Acq On : 03/ 2/11 14:04
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:48
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->

Abundance
TIC: 10M19638.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Pentachlorophenol,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 10M19638.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19639.D Sam Mult : 1 Vial# : 3 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:31 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
7) 1,4-Dichlorobenzene-d4	5.638	152	90348	40.00	ng		0.00
31) Naphthalene-d8	6.649	136	372040	40.00	ng		0.00
51) Acenaphthene-d10	8.051	164	217429	40.00	ng		0.00
85) Phenanthrene-d10	9.484	188	350368	40.00	ng		-0.01
102) Chrysene-d12	12.517	240	316523	40.00	ng		-0.01
115) Perylene-d12	14.111	264	290738	40.00	ng		0.00
System Monitoring Compounds							
10) 2-Fluorophenol	4.430	112	5428	1.75	ng		0.00
Spiked Amount 100.000			Recovery = 1.75%				
16) Phenol-d5	5.328	99	6949	1.76	ng		-0.02
Spiked Amount 100.000			Recovery = 1.76%				
32) Nitrobenzene-d5	6.093	128	1337	0.87	ng		0.00
Spiked Amount 50.000			Recovery = 1.74%				
56) 2-Fluorobiphenyl	7.473	172	6879	1.03	ng		0.00
Spiked Amount 50.000			Recovery = 2.06%				
88) 2,4,6-Tribromophenol	8.773	330	897	1.43	ng		-0.01
Spiked Amount 100.000			Recovery = 1.43%				
105) Terphenyl-d14	11.281	244	6188	0.99	ng		0.00
Spiked Amount 50.000			Recovery = 1.98%				
Target Compounds							Qvalue
8) Pyridine	2.889	79	4953m	1.38	ng		
9) N-Nitrosodimethylamine	2.756	74	3446	1.57	ng		79
11) Chloroacetamide	4.761	93	728m	0.96	ng		
12) Benzaldehyde	5.264	77	4107	2.26	ng		73
13) Aniline	5.355	93	6494	1.43	ng		89
14) Pentachloroethane	5.398	117	2155	1.92	ng		87
15) bis(2-Chloroethyl)ether	5.419	93	6672	2.10	ng		97
17) Phenol	5.339	94	8481	1.91	ng		91
18) 2-Chlorophenol	5.457	128	5842	1.84	ng		86
19) N-Decane	5.510	57	9127	1.82	ng		97
20) 3-Chlorophenol	6.617	128	6502	2.00	ng		98
21) 1,3-Dichlorobenzene	5.590	146	7666	2.26	ng		98
22) 1,4-Dichlorobenzene	5.654	146	7835	2.30	ng		95
23) 1,2-Dichlorobenzene	5.778	146	7090	2.16	ng		97
24) Benzyl alcohol	5.756	108	3488	1.60	ng		77
25) bis(2-chloroisopropyl)...	5.868	45	15721	2.17	ng		92
26) 2-Methylphenol	5.852	108	5690	1.87	ng		99
27) Acetophenone	5.970	105	9971	2.15	ng		78
28) Hexachloroethane	6.056	117	2841	1.98	ng		99
29) N-Nitroso-di-n-propyla...	5.970	70	4814	2.06	ng		90
30) 3&4-Methylphenol	5.975	108	6387	2.14	ng		91
33) Nitrobenzene	6.109	77	6974	1.89	ng		78
34) Isophorone	6.296	82	12053	1.83	ng		91
35) 2-Nitrophenol	6.355	139	2576	1.48	ng		83
36) 2,4-Dimethylphenol	6.387	107	6467	1.96	ng		96
37) Benzoic Acid	6.425	105	1535	0.64	ng		93
38) bis(2-Chloroethoxy)met...	6.462	93	7668	1.97	ng		89
39) 2,4-Dichlorophenol	6.542	162	4637	1.84	ng		82
40) 1,2,4-Trichlorobenzene	6.607	180	5796	2.12	ng		98
41) Naphthalene	6.665	128	20774m	2.20	ng		
42) 3-Chloroaniline	6.687	127	7219m	1.89	ng		
43) 4-Chloroaniline	6.703	127	4899m	1.63	ng		
44) Hexachlorobutadiene	6.756	225	2928	2.29	ng		88
45) Caprolactam	6.949	113	1353m	1.17	ng		
46) 4-Chloro-3-methylphenol	7.061	107	4976	1.72	ng		85
47) 2-Methylnaphthalene	7.190	142	12785	2.11	ng		92
48) Methylnaphthalenes (To...	7.190	142	12785	2.11	ng		92
49) 2,4-Dichloroaniline	7.313	161	6335	1.92	ng		93
50) 1,1'-Biphenyl	7.559	154	17409	2.28	ng		95
52) 1,2,4,5-Tetrachloroben...	7.318	216	5290	2.06	ng		92
53) Hexachlorocyclopentadiene	7.313	237	1969	1.50	ng		96
54) 2,4,6-Trichlorophenol	7.409	196	2880	1.68	ng		92
55) 2,4,5-Trichlorophenol	7.441	196	3167	1.69	ng		90
57) 1,2,3,4-Tetrachloroben...	7.548	214	4000	1.92	ng	#	48
58) 2-Chloronaphthalene	7.580	162	12388	2.04	ng		91
59) 3,4-Dichlorophenol	7.623	162	4878	0.73	ng		99
60) 3,4-Dichloroaniline	7.762	161	5181	1.52	ng		96
61) 1,4-Dimethylnaphthalene	7.853	156	9887	2.20	ng		87
62) Dimethylnaphthalenes (...	7.853	156	9887	2.20	ng		87
63) Diphenyl Ether	7.644	170	9822	2.16	ng		78
64) 2-Nitroaniline	7.655	65	4479	1.67	ng		74
65) Coumarin	7.837	146	5560	2.15	ng		79

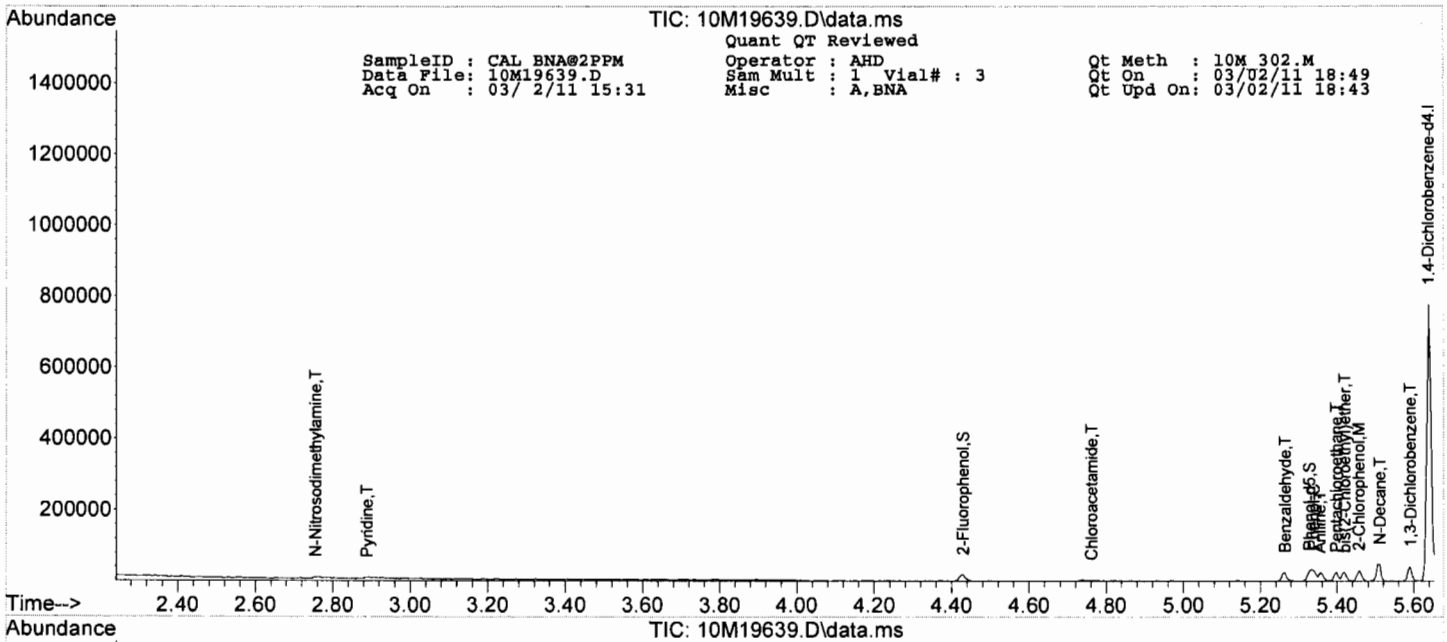
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19639.D Sam Mult : 1 Vial# : 3 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:31 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.928	152	19938	2.09 ng	99
67) Dimethylphthalate	7.799	163	17733	2.55 ng	99
68) 2,6-Dinitrotoluene	7.853	165	2791	1.92 ng	76
69) Acenaphthene	8.077	153	12883	2.19 ng	92
70) 3-Nitroaniline	8.003	138	2886	1.64 ng	78
71) 2,4-Dinitrophenol	0.000		0	N.D.	
72) Pentachlorobenzene	8.190	250	4537	2.07 ng	94
73) Dibenzofuran	8.227	168	18056	2.13 ng	90
74) 2,4,5-Trichloroaniline	8.275	195	4623	1.72 ng	92
75) 2,4-Dinitrotoluene	8.206	165	3145	1.51 ng	74
76) 4-Nitrophenol	8.136	65	1843	1.11 ng	94
77) 2,3,4,5-Tetrachlorophenol	8.318	232	2454m	1.75 ng	
78) 2,3,4,6-Tetrachlorophenol	8.334	232	1894m	1.44 ng	
79) Fluorene	8.548	166	14348	2.12 ng	96
80) 4-Chlorophenyl-phenyle...	8.537	204	5961	2.12 ng	96
81) Diethylphthalate	8.420	149	13604	1.94 ng	100
82) 4-Nitroaniline	8.548	138	3054	1.50 ng	72
83) 2,3,5,6-Tetrachloroani...	8.687	231	4451	2.13 ng	91
84) Atrazine	9.174	200	3198	1.75 ng	96
86) 4,6-Dinitro-2-methylph...	8.580	198	1002	1.00 ng	82
87) n-Nitrosodiphenylamine	8.650	169	12073	2.09 ng	95
89) 1,2-Diphenylhydrazine	8.687	77	16235	1.93 ng	93
90) 4-Bromophenyl-phenylether	9.019	248	3025	2.06 ng	92
91) Hexachlorobenzene	9.083	284	3065	2.15 ng	77
92) N-Octadecane	9.356	57	12330	1.79 ng	95
93) Pentachloronitrobenzene	9.292	237	1169	1.40 ng	93
94) Pentachlorophenol	9.281	266	732	0.88 ng	94
95) Phenanthrene	9.511	178	20082	2.13 ng	98
96) Anthracene	9.564	178	20239	2.10 ng	95
97) Pentachloroaniline	9.762	265	3322	1.87 ng	87
98) Carbazole	9.736	167	19526	1.98 ng	95
99) Di-n-butylphthalate	10.121	149	18742	1.56 ng	97
100) Parathion	10.324	291	382m	0.68 ng	
101) Fluoranthene	10.827	202	19191	1.91 ng	99
103) Pyrene	11.089	202	20288	1.93 ng	96
104) Benzidine	10.992	184	2046	0.49 ng	100
106) 4,4'-DDE	11.217	246	3457	1.85 ng	89
107) 4,4'-DDD	11.613	235	5910	1.66 ng	84
108) Di-n-hexyl phthalate	11.800	149	16143	1.13 ng	100
109) Butylbenzylphthalate	11.870	149	7611	1.39 ng	82
110) 4,4'-DDT	11.966	235	4367	1.58 ng	91
111) 3,3'-Dichlorobenzidine	12.485	252	3241	1.38 ng	98
112) Benzo[a]anthracene	12.506	228	16942	1.92 ng	94
113) Chrysene	12.544	228	18571	2.20 ng	93
114) bis(2-Ethylhexyl)phtha...	12.565	149	9426	1.32 ng	98
116) Di-n-octylphthalate	13.314	149	12490	1.01 ng	99
117) Benzo[b]fluoranthene	13.710	252	13315	1.69 ng	96
118) Benzo[k]fluoranthene	13.736	252	14717	1.88 ng	98
119) Benzo[a]pyrene	14.052	252	12450	1.62 ng	94
120) Indeno[1,2,3-cd]pyrene	15.325	276	12126	1.51 ng	95
121) Dibenzo[a,h]anthracene	15.346	278	10507	1.61 ng	94
122) Benzo[g,h,i]perylene	15.667	276	11526	1.66 ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed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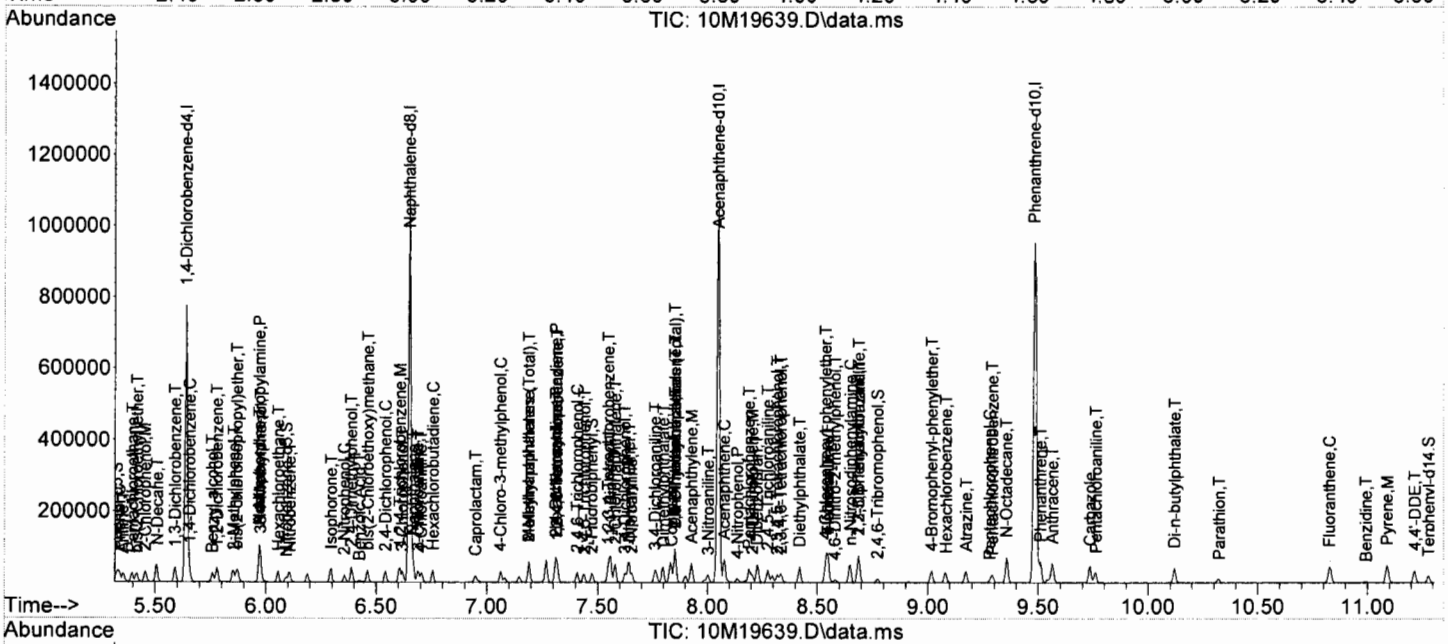
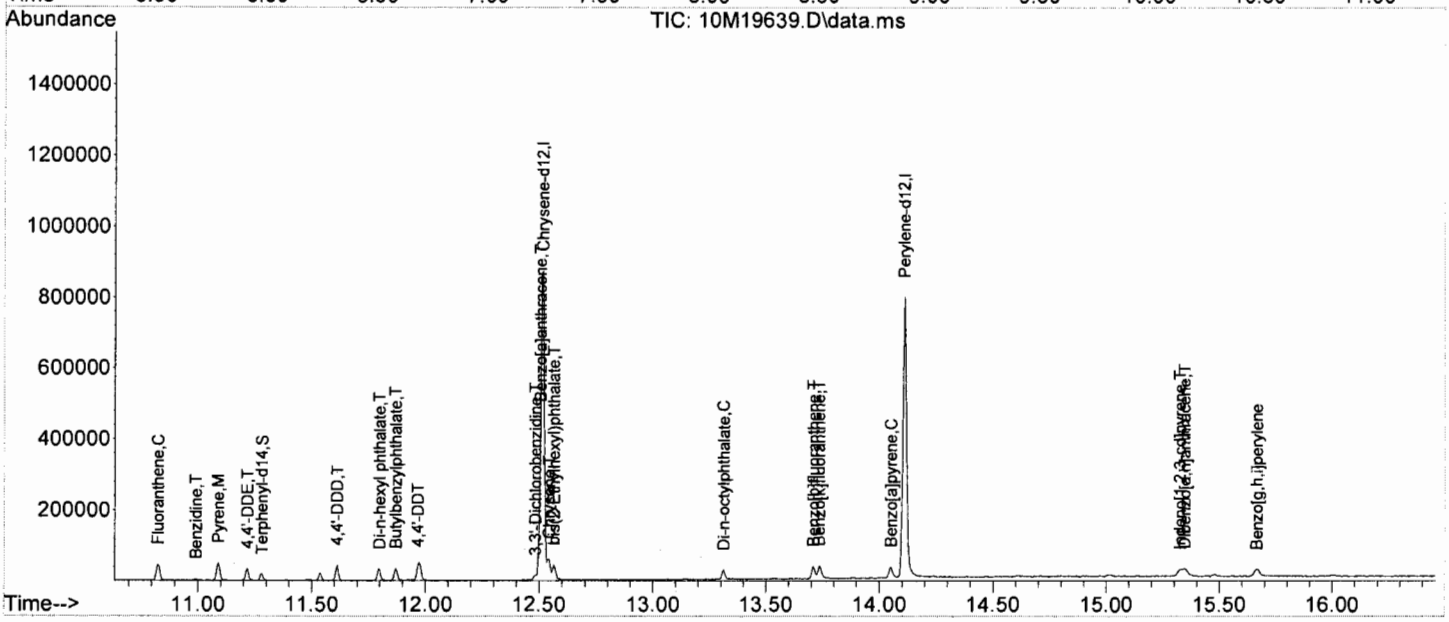
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M19639.D
Acq On : 03/ 2/11 15:31
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 10M19639.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Isophorone,T
4-Chloro-3-methylphenol,C
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Caprolactam,T
Acenaphthylene,M
3-Nitroaniline,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M19639.D\data.ms
Perylene-d12,I
Chrysene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19641.D Sam Mult : 1 Vial# : 5 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:16 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.639	152	92752	40.00	ng	0.00
31) Naphthalene-d8	6.650	136	378480	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	221120	40.00	ng	0.00
85) Phenanthrene-d10	9.484	188	347961	40.00	ng	-0.01
102) Chrysene-d12	12.517	240	318432	40.00	ng	-0.01
115) Perylene-d12	14.111	264	279946	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	30831	9.70	ng	0.00
Spiked Amount 100.000			Recovery = 9.70%			
16) Phenol-d5	5.329	99	41078	10.12	ng	-0.02
Spiked Amount 100.000			Recovery = 10.12%			
32) Nitrobenzene-d5	6.093	128	8206	5.25	ng	0.00
Spiked Amount 50.000			Recovery = 10.50%			
56) 2-Fluorobiphenyl	7.473	172	35362	5.22	ng	0.00
Spiked Amount 50.000			Recovery = 10.44%			
88) 2,4,6-Tribromophenol	8.773	330	6297	10.14	ng	-0.01
Spiked Amount 100.000			Recovery = 10.14%			
105) Terphenyl-d14	11.276	244	31884	5.07	ng	-0.01
Spiked Amount 50.000			Recovery = 10.14%			
Target Compounds						Qvalue
8) Pyridine	2.825	79	35689	9.69	ng	98
9) N-Nitrosodimethylamine	2.740	74	21792	9.70	ng	100
11) Chloroacetamide	4.692	93	7087	9.14	ng	38
12) Benzaldehyde	5.264	77	23056	12.35	ng	79
13) Aniline	5.355	93	41263	8.87	ng	84
14) Pentachloroethane	5.398	117	11543	10.03	ng	85
15) bis(2-Chloroethyl)ether	5.419	93	35728	10.94	ng	92
17) Phenol	5.339	94	46115	10.11	ng	90
18) 2-Chlorophenol	5.457	128	33074	10.17	ng	91
19) N-Decane	5.510	57	50352	9.76	ng	96
20) 3-Chlorophenol	6.618	128	35752	10.72	ng	96
21) 1,3-Dichlorobenzene	5.591	146	37589	10.79	ng	97
22) 1,4-Dichlorobenzene	5.655	146	38071	10.89	ng	96
23) 1,2-Dichlorobenzene	5.778	146	35543	10.57	ng	99
24) Benzyl alcohol	5.756	108	22359	9.98	ng	78
25) bis(2-chloroisopropyl)...	5.869	45	82876	11.16	ng	90
26) 2-Methylphenol	5.853	108	33296	10.66	ng	99
27) Acetophenone	5.970	105	54180	11.38	ng	80
28) Hexachloroethane	6.056	117	15635	10.61	ng	94
29) N-Nitroso-di-n-propyla...	5.970	70	26313	10.95	ng	95
30) 3&4-Methylphenol	5.976	108	35543	11.62	ng	100
33) Nitrobenzene	6.104	77	38859	10.35	ng	89
34) Isophorone	6.297	82	69559	10.40	ng	85
35) 2-Nitrophenol	6.355	139	17866	10.11	ng	89
36) 2,4-Dimethylphenol	6.388	107	35613	10.60	ng	98
37) Benzoic Acid	6.436	105	12931	5.34	ng	87
38) bis(2-Chloroethoxy)met...	6.462	93	43340	10.92	ng	98
39) 2,4-Dichlorophenol	6.543	162	27031	10.53	ng	85
40) 1,2,4-Trichlorobenzene	6.607	180	32385	11.66	ng	98
41) Naphthalene	6.666	128	103516m	10.77	ng	
42) 3-Chloroaniline	6.687	127	40901m	10.52	ng	
43) 4-Chloroaniline	6.703	127	24136m	7.88	ng	
44) Hexachlorobutadiene	6.757	225	14214	10.94	ng	96
45) Caprolactam	6.949	113	11238m	9.54	ng	
46) 4-Chloro-3-methylphenol	7.061	107	30589	10.39	ng	83
47) 2-Methylnaphthalene	7.190	142	66654	10.82	ng	96
48) Methylnaphthalenes (To...	7.190	142	66654	10.82	ng	96
49) 2,4-Dichloroaniline	7.313	161	36219	10.78	ng	96
50) 1,1'-Biphenyl	7.559	154	91464	11.79	ng	95
52) 1,2,4,5-Tetrachloroben...	7.318	216	28905	11.08	ng	96
53) Hexachlorocyclopentadiene	7.313	237	12801	9.60	ng	93
54) 2,4,6-Trichlorophenol	7.409	196	17508	10.03	ng	98
55) 2,4,5-Trichlorophenol	7.436	196	18661	9.82	ng	99
57) 1,2,3,4-Tetrachloroben...	7.548	214	21177	10.00	ng	51
58) 2-Chloronaphthalene	7.580	162	65173	10.56	ng	92
59) 3,4-Dichlorophenol	7.623	162	29695	4.37	ng	97
60) 3,4-Dichloroaniline	7.762	161	30380	8.76	ng	97
61) 1,4-Dimethylnaphthalene	7.853	156	48058	10.52	ng	94
62) Dimethylnaphthalenes (...	7.853	156	48058	10.52	ng	94
63) Diphenyl Ether	7.639	170	50212	10.86	ng	84
64) 2-Nitroaniline	7.655	65	27251	10.00	ng	71
65) Coumarin	7.832	146	30092	11.45	ng	68

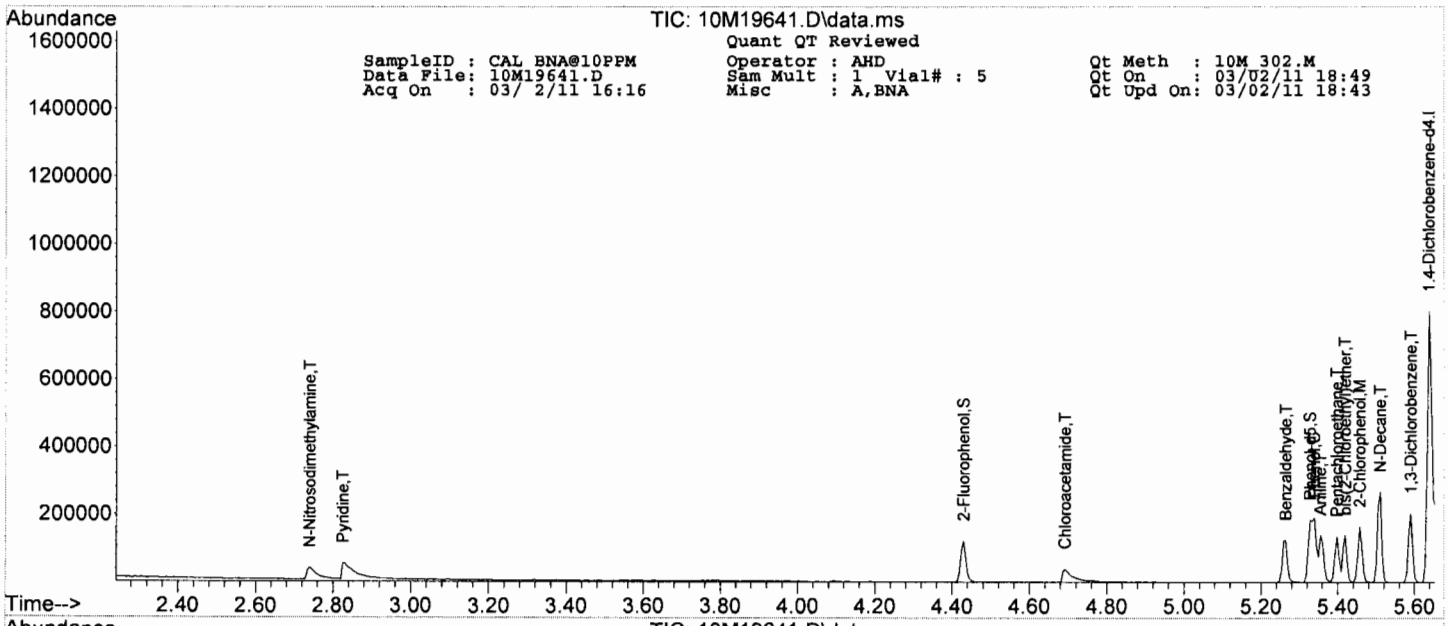
Quantitation Report (QT Reviewed)

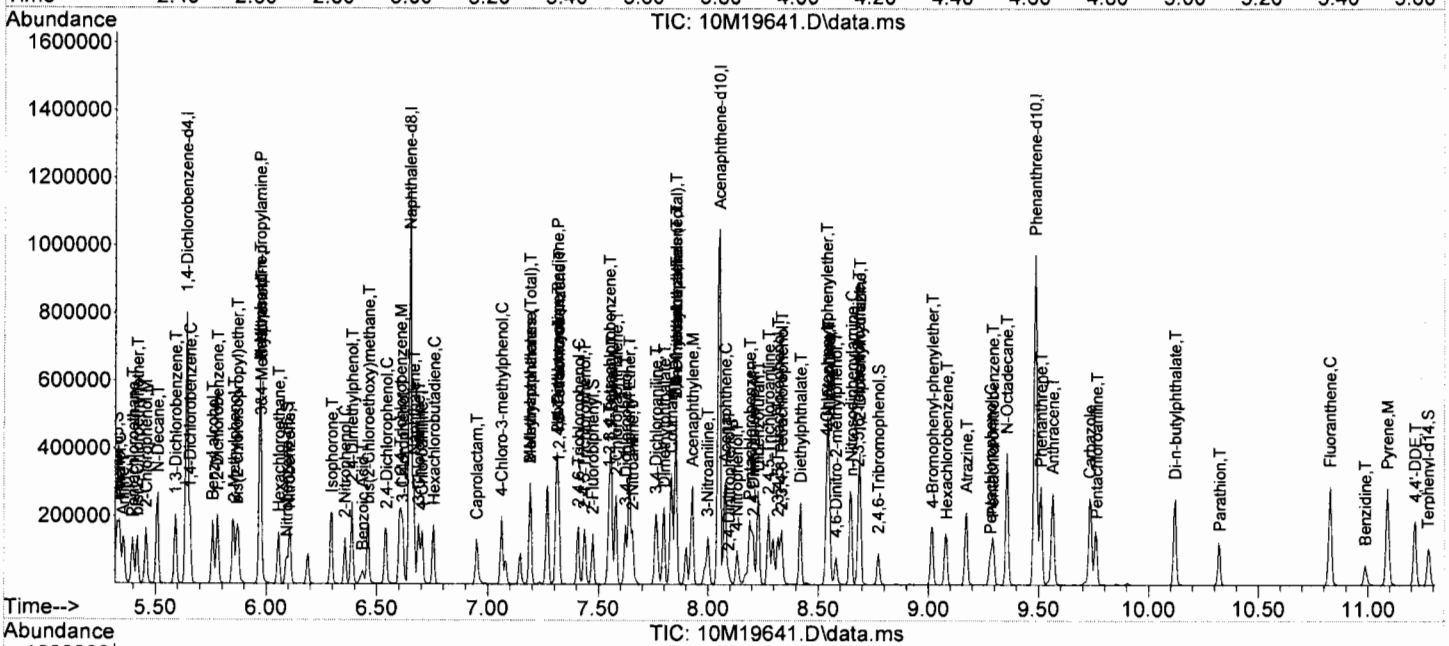
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19641.D Sam Mult : 1 Vial# : 5 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:16 Misc : A,BNA Qt Upd On: 03/02/11 18:43

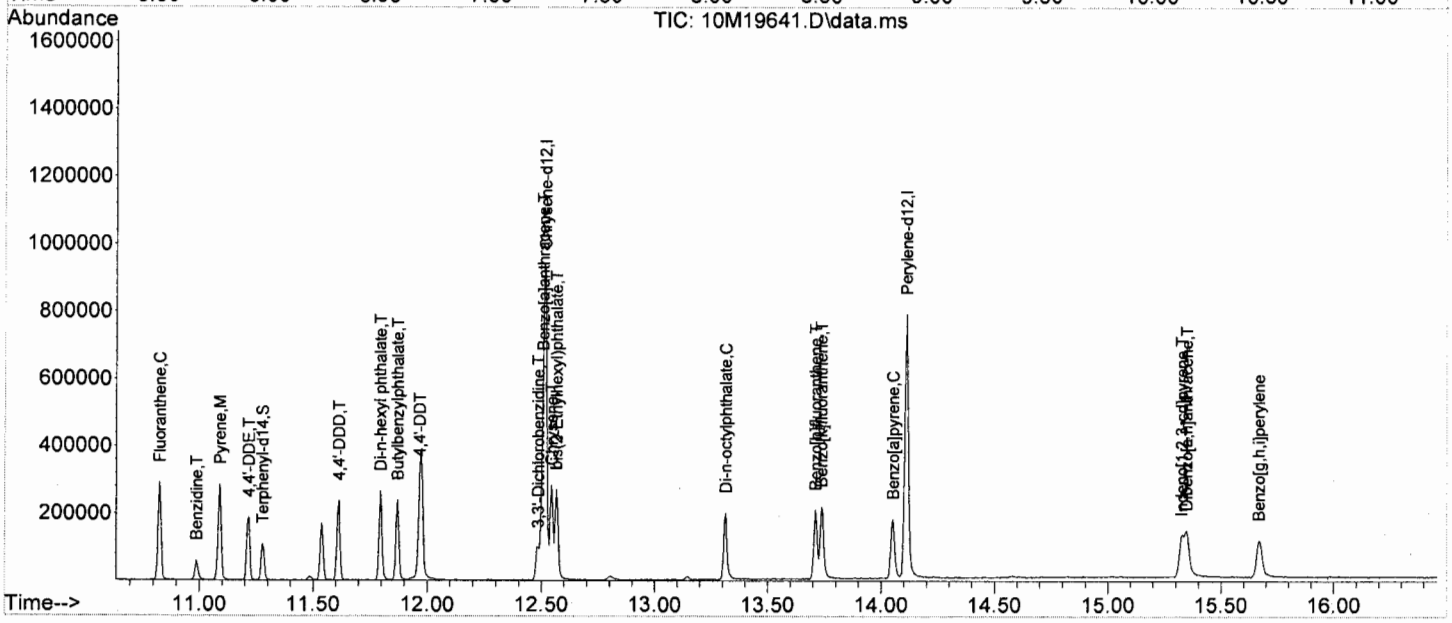
Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66)	Acenaphthylene	7.928	152	104946	10.80	ng		100
67)	Dimethylphthalate	7.800	163	75454	10.68	ng		99
68)	2,6-Dinitrotoluene	7.853	165	16644	11.25	ng		69
69)	Acenaphthene	8.078	153	63838	10.68	ng		98
70)	3-Nitroaniline	7.997	138	17569	9.83	ng		82
71)	2,4-Dinitrophenol	8.094	184	4460	5.62	ng		43
72)	Pentachlorobenzene	8.190	250	21667	9.72	ng		99
73)	Dibenzofuran	8.227	168	93541	10.87	ng		90
74)	2,4,5-Trichloroaniline	8.276	195	25954	9.51	ng		95
75)	2,4-Dinitrotoluene	8.206	165	21445	10.12	ng		69
76)	4-Nitrophenol	8.131	65	14287	8.45	ng		100
77)	2,3,4,5-Tetrachlorophenol	8.318	232	11966m	8.38	ng		
78)	2,3,4,6-Tetrachlorophenol	8.334	232	15465m	11.59	ng		
79)	Fluorene	8.543	166	75856	11.02	ng		98
80)	4-Chlorophenyl-phenyle...	8.538	204	32323	11.31	ng		89
81)	Diethylphthalate	8.420	149	74892	10.51	ng		98
82)	4-Nitroaniline	8.548	138	20128	9.75	ng		82
83)	2,3,5,6-Tetrachloroani...	8.682	231	20991	9.87	ng		97
84)	Atrazine	9.174	200	19050	10.23	ng		96
86)	4,6-Dinitro-2-methylph...	8.580	198	8417	8.47	ng		60
87)	n-Nitrosodiphenylamine	8.650	169	62933	10.96	ng		98
89)	1,2-Diphenylhydrazine	8.687	77	85772	10.26	ng		94
90)	4-Bromophenyl-phenylether	9.019	248	15980	10.96	ng		93
91)	Hexachlorobenzene	9.083	284	15354	10.83	ng		76
92)	N-Octadecane	9.356	57	71121	10.37	ng		92
93)	Pentachloronitrobenzene	9.292	237	7082	8.57	ng		89
94)	Pentachlorophenol	9.281	266	6733	8.12	ng		95
95)	Phenanthrene	9.511	178	101502	10.85	ng		100
96)	Anthracene	9.565	178	103132	10.77	ng		98
97)	Pentachloroaniline	9.763	265	17320	9.80	ng		95
98)	Carbazole	9.730	167	106710	10.91	ng		98
99)	Di-n-butylphthalate	10.121	149	119374	10.02	ng		96
100)	Parathion	10.324	291	3535	6.35	ng	#	77
101)	Fluoranthene	10.827	202	106906	10.74	ng		100
103)	Pyrene	11.089	202	112354	10.63	ng		97
104)	Benzidine	10.987	184	22547	5.31	ng		96
106)	4,4'-DDE	11.217	246	19433	10.36	ng		93
107)	4,4'-DDD	11.613	235	36276	10.13	ng		84
108)	Di-n-hexyl phthalate	11.795	149	121724	8.46	ng		100
109)	Butylbenzylphthalate	11.870	149	55332	10.06	ng		79
110)	4,4'-DDT	11.966	235	29281	10.51	ng		87
111)	3,3'-Dichlorobenzidine	12.485	252	18964	8.02	ng		98
112)	Benzo[a]anthracene	12.506	228	91627	10.34	ng		99
113)	Chrysene	12.544	228	93302	10.99	ng		98
114)	bis(2-Ethylhexyl)phtha...	12.565	149	68107	9.49	ng		96
116)	Di-n-octylphthalate	13.314	149	100365	8.44	ng		98
117)	Benzo[b]fluoranthene	13.710	252	76802	10.13	ng		99
118)	Benzo[k]fluoranthene	13.737	252	82042	10.89	ng		95
119)	Benzo[a]pyrene	14.052	252	78362	10.60	ng		98
120)	Indeno[1,2,3-cd]pyrene	15.325	276	76386	9.86	ng		94
121)	Dibenzo[a,h]anthracene	15.347	278	63929	10.17	ng		95
122)	Benzo[g,h,i]perylene	15.667	276	66450	9.96	ng		91

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


Abundance
TIC: 10M19641.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M19641.D
Acq On : 03/ 2/11 16:16
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 10M19641.D\data.ms
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
4-Nitroaniline,T
Acenaphthylene,M
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M19641.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19642.D Sam Mult : 1 Vial# : 6 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:38 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.639	152	103561	40.00	ng	0.00
31) Naphthalene-d8	6.649	136	433920	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	246110	40.00	ng	0.00
85) Phenanthrene-d10	9.484	188	400329	40.00	ng	-0.01
102) Chrysene-d12	12.517	240	344035	40.00	ng	-0.01
115) Perylene-d12	14.111	264	311900	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	74305	20.94	ng	0.00
Spiked Amount 100.000			Recovery = 20.94%			
16) Phenol-d5	5.328	99	101317	22.35	ng	-0.02
Spiked Amount 100.000			Recovery = 22.35%			
32) Nitrobenzene-d5	6.093	128	19428	10.83	ng	0.00
Spiked Amount 50.000			Recovery = 21.66%			
56) 2-Fluorobiphenyl	7.473	172	83026	11.02	ng	0.00
Spiked Amount 50.000			Recovery = 22.04%			
88) 2,4,6-Tribromophenol	8.778	330	16549	23.16	ng	0.00
Spiked Amount 100.000			Recovery = 23.16%			
105) Terphenyl-d14	11.281	244	76522	11.27	ng	0.00
Spiked Amount 50.000			Recovery = 22.54%			
Target Compounds						Qvalue
8) Pyridine	2.804	79	85209	20.73	ng	93
9) N-Nitrosodimethylamine	2.729	74	51705	20.61	ng	99
11) Chloroacetamide	4.687	93	18166	20.98	ng	38
12) Benzaldehyde	5.259	77	54623	26.21	ng	82
13) Aniline	5.355	93	109280	21.04	ng	83
14) Pentachloroethane	5.398	117	26376	20.53	ng	88
15) bis(2-Chloroethyl)ether	5.419	93	82511	22.62	ng	96
17) Phenol	5.339	94	112612	22.12	ng	91
18) 2-Chlorophenol	5.457	128	79520	21.90	ng	93
19) N-Decane	5.510	57	109483	19.00	ng	97
20) 3-Chlorophenol	6.617	128	88728	23.83	ng	95
21) 1,3-Dichlorobenzene	5.590	146	84426	21.71	ng	99
22) 1,4-Dichlorobenzene	5.655	146	86776	22.22	ng	98
23) 1,2-Dichlorobenzene	5.778	146	84130	22.41	ng	97
24) Benzyl alcohol	5.756	108	54850	21.93	ng	72
25) bis(2-chloroisopropyl)...	5.869	45	190320	22.96	ng	91
26) 2-Methylphenol	5.853	108	81578	23.40	ng	93
27) Acetophenone	5.970	105	124413	23.41	ng	80
28) Hexachloroethane	6.056	117	36628	22.25	ng	94
29) N-Nitroso-di-n-propyla...	5.970	70	62691	23.36	ng	93
30) 3&4-Methylphenol	5.976	108	80657	23.61	ng	99
33) Nitrobenzene	6.109	77	90984	21.15	ng	82
34) Isophorone	6.296	82	170397	22.22	ng	88
35) 2-Nitrophenol	6.355	139	44511	21.96	ng	87
36) 2,4-Dimethylphenol	6.387	107	85699	22.25	ng	100
37) Benzoic Acid	6.452	105	48180	17.35	ng	86
38) bis(2-Chloroethoxy)met...	6.462	93	100110	22.01	ng	97
39) 2,4-Dichlorophenol	6.543	162	66155	22.47	ng	87
40) 1,2,4-Trichlorobenzene	6.607	180	70780	22.23	ng	99
41) Naphthalene	6.666	128	239653m	21.75	ng	
42) 3-Chloroaniline	6.687	127	99448	22.30	ng	99
43) 4-Chloroaniline	6.703	127	71447m	20.35	ng	
44) Hexachlorobutadiene	6.756	225	32212	21.63	ng	95
45) Caprolactam	6.960	113	30573m	22.65	ng	
46) 4-Chloro-3-methylphenol	7.067	107	75484	22.37	ng	84
47) 2-Methylnaphthalene	7.190	142	162125	22.95	ng	99
48) Methylnaphthalenes (To...	7.190	142	162125	22.95	ng	99
49) 2,4-Dichloroaniline	7.313	161	81582	21.18	ng	97
50) 1,1'-Biphenyl	7.559	154	213760	24.04	ng	95
52) 1,2,4,5-Tetrachloroben...	7.323	216	64115	22.09	ng	98
53) Hexachlorocyclopentadiene	7.313	237	32232	21.72	ng	96
54) 2,4,6-Trichlorophenol	7.409	196	43679	22.49	ng	98
55) 2,4,5-Trichlorophenol	7.441	196	47972	22.67	ng	99
57) 1,2,3,4-Tetrachloroben...	7.548	214	49003	20.79	ng	53
58) 2-Chloronaphthalene	7.580	162	154790	22.52	ng	92
59) 3,4-Dichlorophenol	7.628	162	72857	9.64	ng	98
60) 3,4-Dichloroaniline	7.762	161	75080	19.46	ng	100
61) 1,4-Dimethylnaphthalene	7.853	156	111288	21.88	ng	95
62) Dimethylnaphthalenes (...	7.853	156	111288	21.88	ng	95
63) Diphenyl Ether	7.644	170	113146	21.99	ng	82
64) 2-Nitroaniline	7.655	65	68568	22.61	ng	79
65) Coumarin	7.837	146	72934	24.94	ng	85

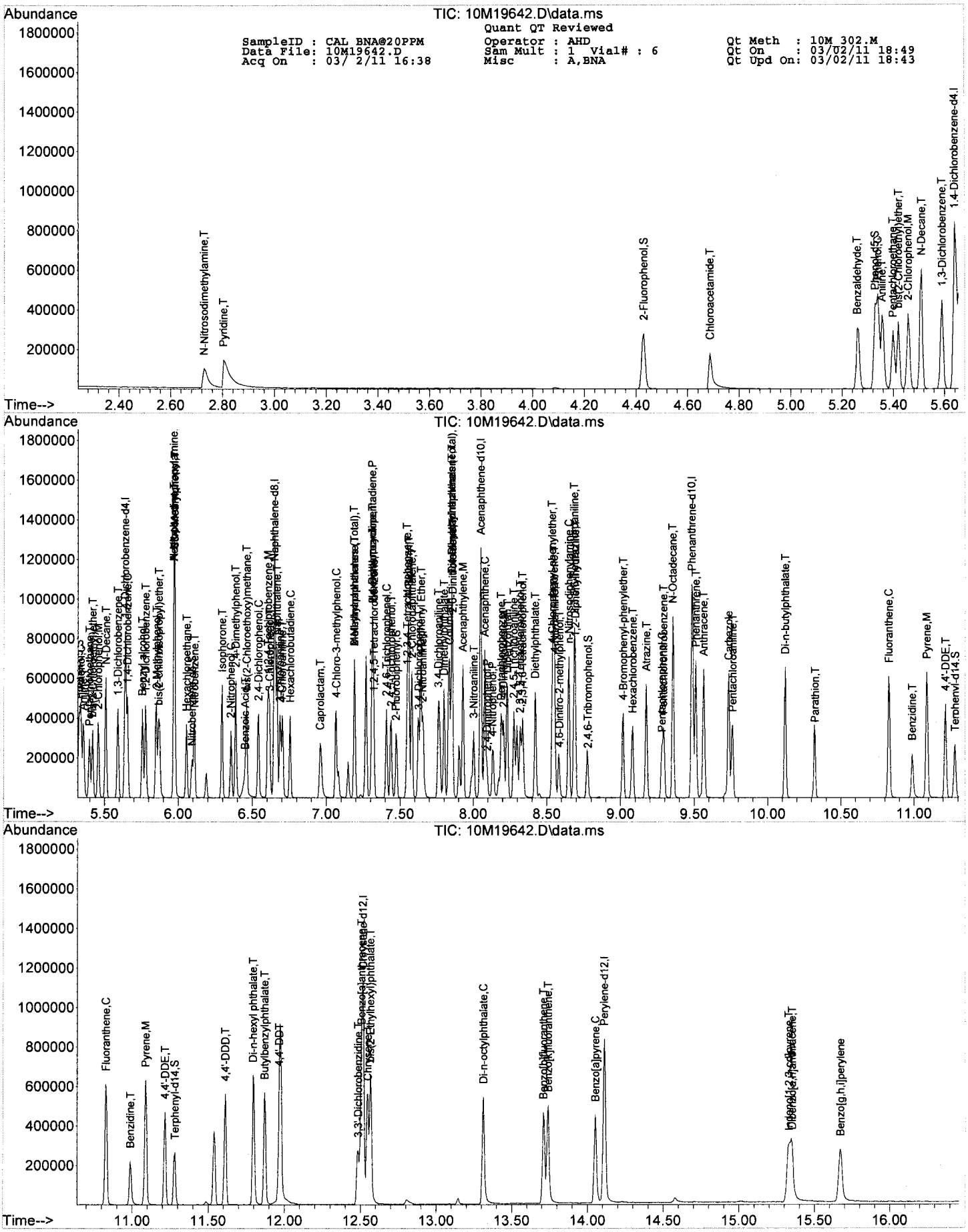
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19642.D Sam Mult : 1 Vial# : 6 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 16:38 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	7.928	152	246622	22.81	ng	100
67) Dimethylphthalate	7.799	163	224464	28.53	ng	99
68) 2,6-Dinitrotoluene	7.858	165	39211	23.81	ng	65
69) Acenaphthene	8.078	153	148361	22.31	ng	98
70) 3-Nitroaniline	8.003	138	43318	21.77	ng	79
71) 2,4-Dinitrophenol	8.094	184	16102	18.24	ng	50
72) Pentachlorobenzene	8.190	250	50366	20.30	ng	99
73) Dibenzofuran	8.233	168	209026	21.83	ng	89
74) 2,4,5-Trichloroaniline	8.275	195	60803	20.01	ng	97
75) 2,4-Dinitrotoluene	8.206	165	52483	22.25	ng	76
76) 4-Nitrophenol	8.131	65	39205	20.83	ng	98
77) 2,3,4,5-Tetrachlorophenol	8.318	232	37053m	23.33	ng	
78) 2,3,4,6-Tetrachlorophenol	8.334	232	31449m	21.18	ng	
79) Fluorene	8.548	166	168163	21.94	ng	99
80) 4-Chlorophenyl-phenyle...	8.538	204	71846	22.58	ng	94
81) Diethylphthalate	8.420	149	175573	22.14	ng	99
82) 4-Nitroaniline	8.554	138	49662	21.61	ng	81
83) 2,3,5,6-Tetrachloroani...	8.687	231	50281	21.25	ng	98
84) Atrazine	9.174	200	46670	22.52	ng	96
86) 4,6-Dinitro-2-methylph...	8.586	198	23968	20.96	ng	57
87) n-Nitrosodiphenylamine	8.650	169	152072	23.02	ng	97
89) 1,2-Diphenylhydrazine	8.693	77	197943	20.58	ng	89
90) 4-Bromophenyl-phenylether	9.019	248	37661	22.45	ng	98
91) Hexachlorobenzene	9.083	284	35591	21.82	ng	85
92) N-Octadecane	9.356	57	171592	21.75	ng	94
93) Pentachloronitrobenzene	9.292	237	17860	18.77	ng	96
94) Pentachlorophenol	9.281	266	20837	21.86	ng	99
95) Phenanthrene	9.511	178	238306	22.15	ng	99
96) Anthracene	9.565	178	242030	21.97	ng	99
97) Pentachloroaniline	9.762	265	39864	19.61	ng	98
98) Carbazole	9.736	167	249779	22.20	ng	98
99) Di-n-butylphthalate	10.121	149	301635	22.00	ng	97
100) Parathion	10.324	291	11081m	17.31	ng	
101) Fluoranthene	10.827	202	237835	20.76	ng	96
103) Pyrene	11.089	202	254072	22.24	ng	97
104) Benzidine	10.987	184	82735	18.05	ng	94
106) 4,4'-DDE	11.217	246	46377	22.89	ng	90
107) 4,4'-DDD	11.613	235	88443	22.85	ng	85
108) Di-n-hexyl phthalate	11.795	149	318523	20.50	ng	100
109) Butylbenzylphthalate	11.870	149	134312	22.60	ng	79
110) 4,4'-DDT	11.966	235	73168	24.31	ng	89
111) 3,3'-Dichlorobenzidine	12.485	252	54183	21.22	ng	99
112) Benzo[a]anthracene	12.506	228	202449	21.14	ng	99
113) Chrysene	12.549	228	206515	22.51	ng	98
114) bis(2-Ethylhexyl)phtha...	12.565	149	173525	22.37	ng	97
116) Di-n-octylphthalate	13.314	149	281215	21.24	ng	99
117) Benzo[b]fluoranthene	13.710	252	177722	21.03	ng	97
118) Benzo[k]fluoranthene	13.742	252	197406	23.52	ng	98
119) Benzo[a]pyrene	14.052	252	178556	21.69	ng	98
120) Indeno[1,2,3-cd]pyrene	15.330	276	180370	20.90	ng	98
121) Dibenzo[a,h]anthracene	15.352	278	144590	20.64	ng	99
122) Benzo[g,h,i]perylene	15.673	276	154845	20.83	ng	91

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


Abundance
TIC: 10M19642.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 10M19642.D
Acq On : 03/ 2/11 16:38
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19643.D Sam Mult : 1 Vial# : 7 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:00 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	98686	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	402568	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	230737	40.00	ng	0.00
85) Phenanthrene-d10	9.489	188	372828	40.00	ng	0.00
102) Chrysene-d12	12.522	240	309915	40.00	ng	0.00
115) Perylene-d12	14.116	264	285279	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	284829	84.25	ng	0.00
Spiked Amount 100.000			Recovery = 84.25%			
16) Phenol-d5	5.334	99	354336	82.04	ng	-0.01
Spiked Amount 100.000			Recovery = 82.04%			
32) Nitrobenzene-d5	6.093	128	70191	42.19	ng	0.00
Spiked Amount 50.000			Recovery = 84.38%			
56) 2-Fluorobiphenyl	7.478	172	279662	39.59	ng	0.00
Spiked Amount 50.000			Recovery = 79.18%			
88) 2,4,6-Tribromophenol	8.778	330	55483	83.36	ng	0.00
Spiked Amount 100.000			Recovery = 83.36%			
105) Terphenyl-d14	11.281	244	255559	41.79	ng	0.00
Spiked Amount 50.000			Recovery = 83.58%			
Target Compounds						Qvalue
8) Pyridine	2.793	79	330443	84.37	ng	96
9) N-Nitrosodimethylamine	2.729	74	198812	83.14	ng	100
11) Chloroacetamide	4.708	93	75133	91.07	ng	42
12) Benzaldehyde	5.264	77	169486	85.34	ng	76
13) Aniline	5.360	93	434979	87.90	ng	78
14) Pentachloroethane	5.398	117	93024	75.98	ng	88
15) bis(2-Chloroethyl)ether	5.425	93	278285	80.06	ng	91
17) Phenol	5.344	94	385929	79.55	ng	95
18) 2-Chlorophenol	5.462	128	282616	81.68	ng	90
19) N-Decane	5.510	57	377471	68.75	ng	97
20) 3-Chlorophenol	6.617	128	296168	83.49	ng	94
21) 1,3-Dichlorobenzene	5.590	146	295547	79.74	ng	99
22) 1,4-Dichlorobenzene	5.655	146	290042	77.94	ng	99
23) 1,2-Dichlorobenzene	5.778	146	284994	79.66	ng	99
24) Benzyl alcohol	5.761	108	199891	83.85	ng	76
25) bis(2-chloroisopropyl)...	5.874	45	631339	79.92	ng	91
26) 2-Methylphenol	5.852	108	276137	83.11	ng	95
27) Acetophenone	5.975	105	386848	76.38	ng	80
28) Hexachloroethane	6.056	117	125635	80.10	ng	99
29) N-Nitroso-di-n-propyla...	5.981	70	193761	75.76	ng	91
30) 3&4-Methylphenol	5.981	108	255420	78.48	ng	99
33) Nitrobenzene	6.109	77	311184	77.96	ng	87
34) Isophorone	6.302	82	573607	80.62	ng	91
35) 2-Nitrophenol	6.361	139	161480	85.88	ng	91
36) 2,4-Dimethylphenol	6.393	107	288599	80.78	ng	99
37) Benzoic Acid	6.494	105	240731	93.43	ng	90
38) bis(2-Chloroethoxy)met...	6.468	93	329371	78.05	ng	97
39) 2,4-Dichlorophenol	6.542	162	230340	84.34	ng	90
40) 1,2,4-Trichlorobenzene	6.607	180	234440	79.38	ng	99
41) Naphthalene	6.671	128	770067m	75.34	ng	
42) 3-Chloroaniline	6.692	127	440594	106.50	ng	99
43) 4-Chloroaniline	6.708	127	325624m	99.96	ng	
44) Hexachlorobutadiene	6.756	225	106589	77.14	ng	96
45) Caprolactam	6.997	113	107512	85.83	ng	65
46) 4-Chloro-3-methylphenol	7.072	107	255561	81.62	ng	81
47) 2-Methylnaphthalene	7.195	142	519598	79.29	ng	99
48) Methylnaphthalenes (To...	7.195	142	519598	79.29	ng	99
49) 2,4-Dichloroaniline	7.313	161	252361	70.61	ng	97
50) 1,1'-Biphenyl	7.559	154	655095	79.40	ng	97
52) 1,2,4,5-Tetrachloroben...	7.323	216	200163	73.56	ng	99
53) Hexachlorocyclopentadiene	7.313	237	113450	81.55	ng	99
54) 2,4,6-Trichlorophenol	7.409	196	154417	84.81	ng	97
55) 2,4,5-Trichlorophenol	7.441	196	168864	85.12	ng	98
57) 1,2,3,4-Tetrachloroben...	7.553	214	155564	70.41	ng	54
58) 2-Chloronaphthalene	7.585	162	487728	75.70	ng	93
59) 3,4-Dichlorophenol	7.634	162	247641	34.94	ng	96
60) 3,4-Dichloroaniline	7.767	161	208845	57.74	ng	98
61) 1,4-Dimethylnaphthalene	7.858	156	334000	70.05	ng	96
62) Dimethylnaphthalenes (...	7.858	156	334000	70.05	ng	96
63) Diphenyl Ether	7.644	170	357106	74.02	ng	86
64) 2-Nitroaniline	7.660	65	229568	80.74	ng	78
65) Coumarin	7.847	146	221005	80.62	ng	62

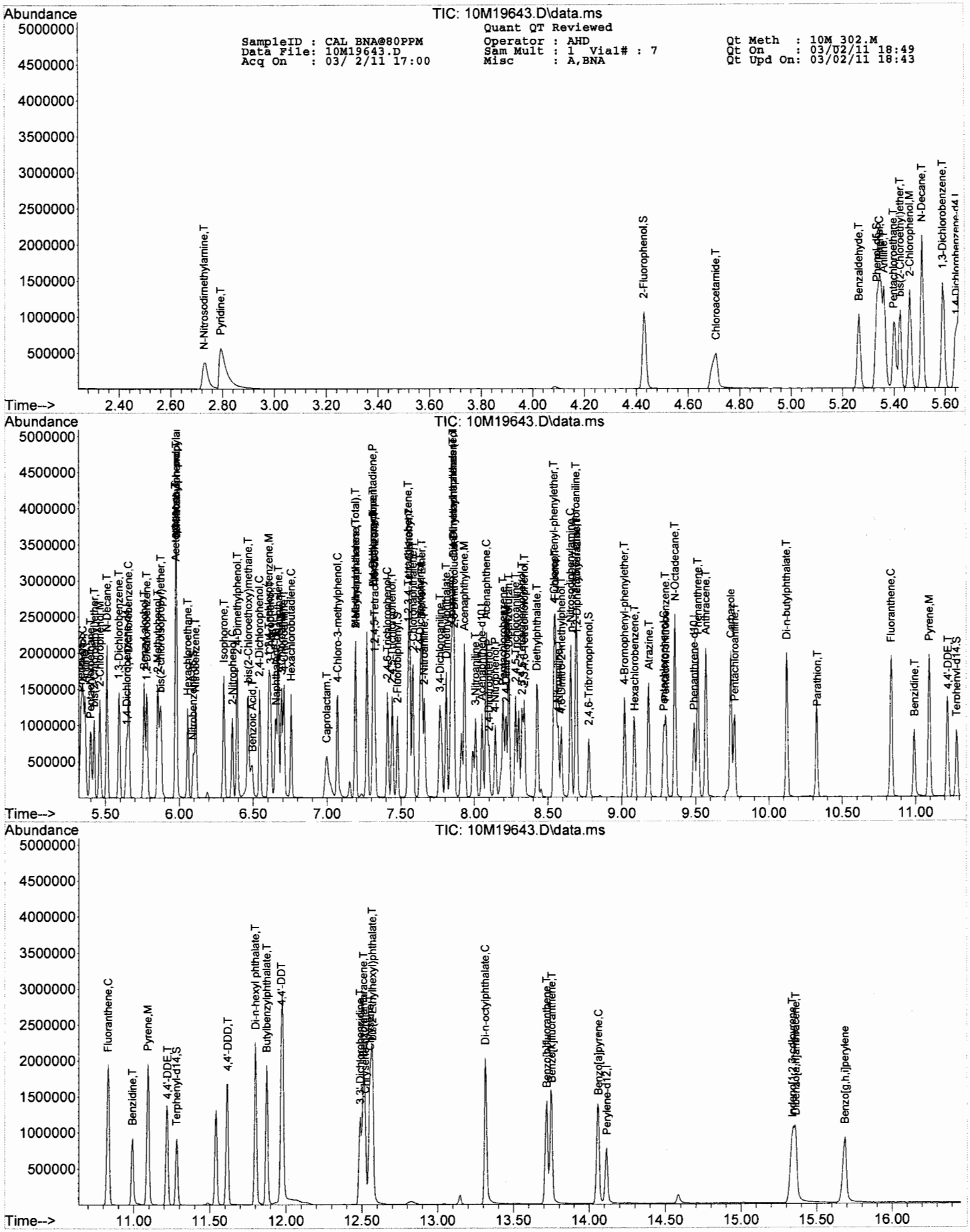
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19643.D Sam Mult : 1 Vial# : 7 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:00 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.933	152	788375	77.76	ng	99
67)	Dimethylphthalate	7.810	163	575399	78.02	ng	99
68)	2,6-Dinitrotoluene	7.864	165	120865	78.28	ng	66
69)	Acenaphthene	8.083	153	481702	77.26	ng	98
70)	3-Nitroaniline	8.008	138	145142	77.81	ng	78
71)	2,4-Dinitrophenol	8.099	184	74978	90.59	ng	51
72)	Pentachlorobenzene	8.195	250	161862	69.60	ng	99
73)	Dibenzofuran	8.233	168	663378	73.88	ng	94
74)	2,4,5-Trichloroaniline	8.281	195	195314	68.57	ng	98
75)	2,4-Dinitrotoluene	8.217	165	186552	84.36	ng	69
76)	4-Nitrophenol	8.142	65	145959	82.73	ng	95
77)	2,3,4,5-Tetrachlorophenol	8.323	232	131489m	88.29	ng	
78)	2,3,4,6-Tetrachlorophenol	8.340	232	89913m	64.57	ng	
79)	Fluorene	8.548	166	540662	75.26	ng	98
80)	4-Chlorophenyl-phenyle...	8.543	204	225585	75.62	ng	95
81)	Diethylphthalate	8.425	149	586878	78.95	ng	99
82)	4-Nitroaniline	8.570	138	173006	80.29	ng	81
83)	2,3,5,6-Tetrachloroani...	8.693	231	157653	71.08	ng	98
84)	Atrazine	9.185	200	156805	80.70	ng	98
86)	4,6-Dinitro-2-methylph...	8.591	198	98199	92.21	ng	41
87)	n-Nitrosodiphenylamine	8.655	169	485347	78.90	ng	97
89)	1,2-Diphenylhydrazine	8.698	77	626991	70.00	ng	87
90)	4-Bromophenyl-phenylether	9.019	248	120079	76.88	ng	94
91)	Hexachlorobenzene	9.088	284	116484	76.67	ng	81
92)	N-Octadecane	9.361	57	530354	72.17	ng	95
93)	Pentachloronitrobenzene	9.297	237	63220	71.36	ng	94
94)	Pentachlorophenol	9.286	266	83052	93.54	ng	98
95)	Phenanthrene	9.516	178	768815	76.73	ng	99
96)	Anthracene	9.570	178	781201	76.13	ng	99
97)	Pentachloroaniline	9.768	265	130637	69.02	ng	98
98)	Carbazole	9.741	167	815104	77.79	ng	99
99)	Di-n-butylphthalate	10.121	149	1010917	79.18	ng	98
100)	Parathion	10.329	291	42709	71.62	ng	94
101)	Fluoranthene	10.832	202	828421	77.65	ng	99
103)	Pyrene	11.094	202	832283	80.87	ng	96
104)	Benzidine	10.992	184	344816	83.49	ng	90
106)	4,4'-DDE	11.222	246	152424	83.52	ng	91
107)	4,4'-DDD	11.618	235	294103	84.35	ng	84
108)	Di-n-hexyl phthalate	11.800	149	1096177	78.30	ng	100
109)	Butylbenzylphthalate	11.875	149	469760	87.76	ng	78
110)	4,4'-DDT	11.971	235	253914	93.64	ng	90
111)	3,3'-Dichlorobenzidine	12.490	252	220841	95.99	ng	99
112)	Benzo[a]anthracene	12.511	228	675279	78.27	ng	99
113)	Chrysene	12.554	228	658456	79.66	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.570	149	601176	86.04	ng	94
116)	Di-n-octylphthalate	13.314	149	1084756	89.56	ng	100
117)	Benzo[b]fluoranthene	13.720	252	589382	76.26	ng	98
118)	Benzo[k]fluoranthene	13.752	252	641982	83.61	ng	96
119)	Benzo[a]pyrene	14.063	252	609914	80.99	ng	96
120)	Indeno[1,2,3-cd]pyrene	15.341	276	629771	79.79	ng	96
121)	Dibenzo[a,h]anthracene	15.362	278	506546	79.06	ng	98
122)	Benzo[g,h,i]perylene	15.689	276	538485	79.21	ng	90

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


Abundance
TIC: 10M19643.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M19643.D
Acq On : 03/ 2/11 17:00
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19643.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Pentachlorophenol,C
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 10M19643.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19644.D Sam Mult : 1 Vial# : 8 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:22 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	89707	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	351252	40.00	ng	0.00
51) Acenaphthene-d10	8.051	164	196629	40.00	ng	0.00
85) Phenanthrene-d10	9.489	188	320733	40.00	ng	0.00
102) Chrysene-d12	12.522	240	260993	40.00	ng	0.00
115) Perylene-d12	14.116	264	246670	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.430	112	365581	118.96	ng	0.00
Spiked Amount 100.000			Recovery = 118.96%			
16) Phenol-d5	5.339	99	448395	114.21	ng	0.00
Spiked Amount 100.000			Recovery = 114.21%			
32) Nitrobenzene-d5	6.098	128	90160	62.11	ng	0.00
Spiked Amount 50.000			Recovery = 124.22%			
56) 2-Fluorobiphenyl	7.478	172	347060	57.66	ng	0.00
Spiked Amount 50.000			Recovery = 115.32%			
88) 2,4,6-Tribromophenol	8.783	330	72092	125.91	ng	0.00
Spiked Amount 100.000			Recovery = 125.91%			
105) Terphenyl-d14	11.287	244	317343	61.62	ng	0.00
Spiked Amount 50.000			Recovery = 123.24%			
Target Compounds						Qvalue
8) Pyridine	2.788	79	407246	114.38	ng	94
9) N-Nitrosodimethylamine	2.729	74	238078	109.53	ng	99
11) Chloroacetamide	4.713	93	94211	125.63	ng	34
12) Benzaldehyde	5.264	77	159391	88.29	ng	73
13) Aniline	5.360	93	529306	117.66	ng	79
14) Pentachloroethane	5.398	117	118665	106.62	ng	88
15) bis(2-Chloroethyl)ether	5.424	93	351571	111.26	ng	94
17) Phenol	5.350	94	481830	109.26	ng	99
18) 2-Chlorophenol	5.462	128	357009	113.51	ng	92
19) N-Decane	5.510	57	465135	93.19	ng	96
20) 3-Chlorophenol	6.617	128	367343	113.91	ng	93
21) 1,3-Dichlorobenzene	5.590	146	375127	111.34	ng	100
22) 1,4-Dichlorobenzene	5.654	146	374806	110.80	ng	97
23) 1,2-Dichlorobenzene	5.783	146	353802	108.79	ng	98
24) Benzyl alcohol	5.761	108	255683	118.00	ng	76
25) bis(2-chloroisopropyl)...	5.874	45	774211	107.82	ng	93
26) 2-Methylphenol	5.858	108	343497	113.73	ng	95
27) Acetophenone	5.975	105	483096	104.94	ng	77
28) Hexachloroethane	6.056	117	160192	112.36	ng	99
29) N-Nitroso-di-n-propyla...	5.981	70	241853	104.03	ng	88
30) 3&4-Methylphenol	5.986	108	317789	107.41	ng	94
33) Nitrobenzene	6.114	77	394750	113.34	ng	81
34) Isophorone	6.302	82	699577	112.68	ng	92
35) 2-Nitrophenol	6.360	139	203116	123.81	ng	91
36) 2,4-Dimethylphenol	6.393	107	373125	119.69	ng	99
37) Benzoic Acid	6.505	105	320664	142.63	ng	88
38) bis(2-Chloroethoxy)met...	6.467	93	409521	111.22	ng	97
39) 2,4-Dichlorophenol	6.548	162	287440	120.62	ng	88
40) 1,2,4-Trichlorobenzene	6.606	180	288035	111.77	ng	100
41) Naphthalene	6.671	128	969435m	108.71	ng	
42) 3-Chloroaniline	6.692	127	506492m	140.31	ng	
43) 4-Chloroaniline	6.708	127	305569m	107.51	ng	
44) Hexachlorobutadiene	6.756	225	139516	115.72	ng	95
45) Caprolactam	7.013	113	151204	138.35	ng	65
46) 4-Chloro-3-methylphenol	7.072	107	322926	118.21	ng	85
47) 2-Methylnaphthalene	7.195	142	641486	112.20	ng	98
48) Methylnaphthalenes (To...	7.195	142	641486	112.20	ng	98
49) 2,4-Dichloroaniline	7.313	161	306563	98.30	ng	97
50) 1,1'-Biphenyl	7.564	154	802077	111.42	ng	94
52) 1,2,4,5-Tetrachloroben...	7.323	216	248362	107.11	ng	97
53) Hexachlorocyclopentadiene	7.313	237	144741	122.09	ng	98
54) 2,4,6-Trichlorophenol	7.414	196	188975	121.79	ng	99
55) 2,4,5-Trichlorophenol	7.446	196	202984	120.06	ng	99
57) 1,2,3,4-Tetrachloroben...	7.553	214	189040	100.41	ng	54
58) 2-Chloronaphthalene	7.585	162	606811	110.52	ng	94
59) 3,4-Dichlorophenol	7.633	162	289176	47.88	ng	96
60) 3,4-Dichloroaniline	7.767	161	200910	65.18	ng	98
61) 1,4-Dimethylnaphthalene	7.858	156	399508	98.32	ng	97
62) Dimethylnaphthalenes (...	7.858	156	399508	98.32	ng	97
63) Diphenyl Ether	7.644	170	431017	104.83	ng	88
64) 2-Nitroaniline	7.660	65	277357	114.47	ng	78
65) Coumarin	7.847	146	264992	113.44	ng	63

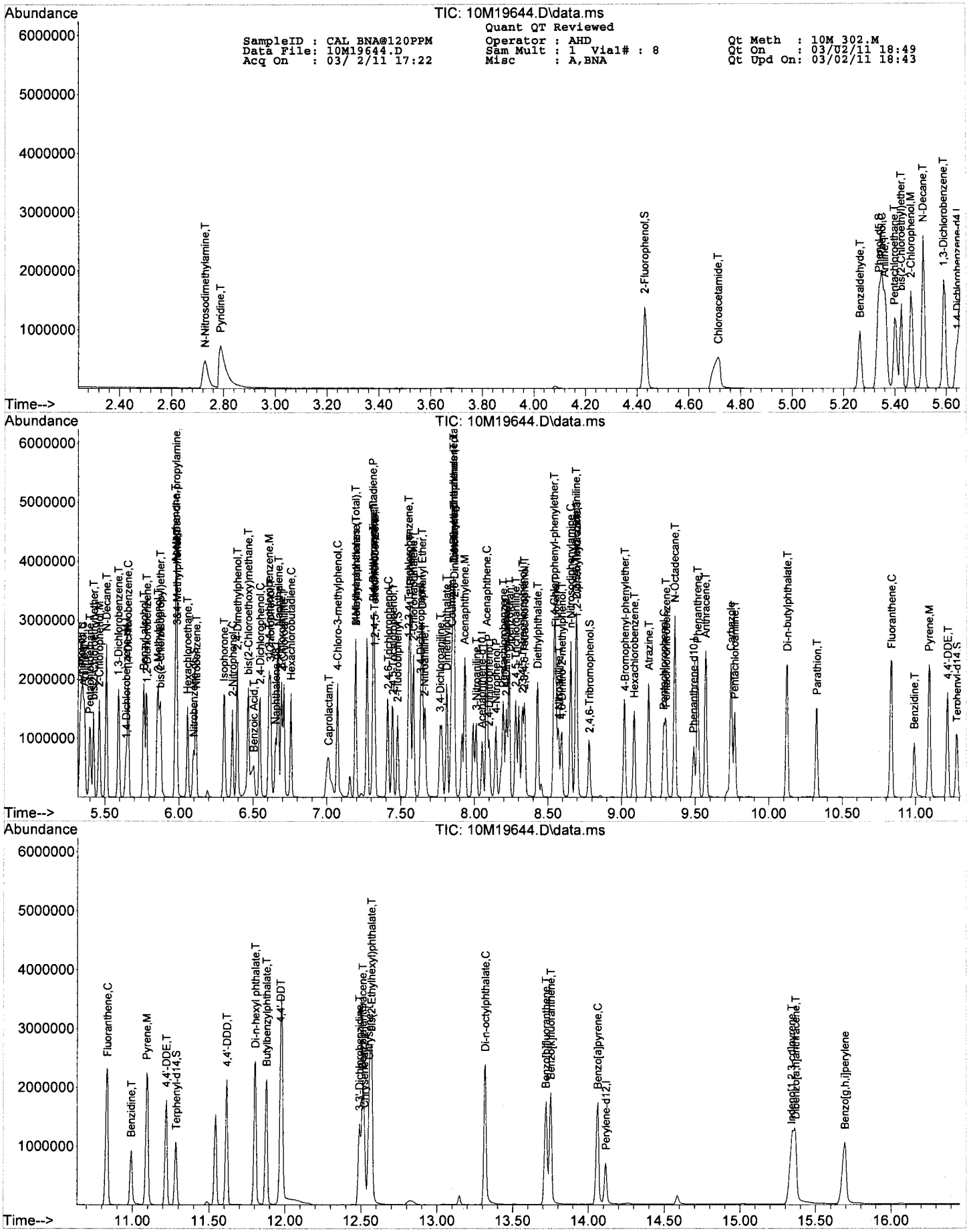
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19644.D Sam Mult : 1 Vial# : 8 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:22 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.933	152	953973	110.42 ng	100
67) Dimethylphthalate	7.810	163	689621	109.72 ng	99
68) 2,6-Dinitrotoluene	7.863	165	145144	110.31 ng	72
69) Acenaphthene	8.083	153	578376	108.85 ng	98
70) 3-Nitroaniline	8.013	138	174322	109.66 ng	77
71) 2,4-Dinitrophenol	8.099	184	98774	140.04 ng	63
72) Pentachlorobenzene	8.195	250	198184	100.00 ng	99
73) Dibenzofuran	8.238	168	821253	107.33 ng	92
74) 2,4,5-Trichloroaniline	8.281	195	235105	96.85 ng	98
75) 2,4-Dinitrotoluene	8.216	165	230620	122.38 ng	75
76) 4-Nitrophenol	8.147	65	183812	122.26 ng	91
77) 2,3,4,5-Tetrachlorophenol	8.329	232	154940m	122.08 ng	
78) 2,3,4,6-Tetrachlorophenol	8.339	232	130874m	110.30 ng	
79) Fluorene	8.553	166	670458	109.51 ng	99
80) 4-Chlorophenyl-phenyle...	8.543	204	287198	112.97 ng	96
81) Diethylphthalate	8.430	149	727652	114.86 ng	100
82) 4-Nitroaniline	8.575	138	222341	121.09 ng	79
83) 2,3,5,6-Tetrachloroani...	8.692	231	198005	104.75 ng	98
84) Atrazine	9.185	200	195420	118.01 ng	97
86) 4,6-Dinitro-2-methylph...	8.596	198	130056	141.95 ng	48
87) n-Nitrosodiphenylamine	8.655	169	623817	117.88 ng	98
89) 1,2-Diphenylhydrazine	8.698	77	840192	109.04 ng	90
90) 4-Bromophenyl-phenylether	9.024	248	153262	114.06 ng	94
91) Hexachlorobenzene	9.088	284	149071	114.05 ng	85
92) N-Octadecane	9.361	57	651595	103.07 ng	97
93) Pentachloronitrobenzene	9.302	237	81067	106.37 ng	96
94) Pentachlorophenol	9.286	266	105626	138.28 ng	96
95) Phenanthrene	9.516	178	947646	109.94 ng	99
96) Anthracene	9.570	178	981512	111.18 ng	100
97) Pentachloroaniline	9.768	265	162269	99.65 ng	99
98) Carbazole	9.741	167	1018906	113.03 ng	99
99) Di-n-butylphthalate	10.126	149	1251635	113.95 ng	98
100) Parathion	10.329	291	53601	104.48 ng	95
101) Fluoranthene	10.837	202	1036953	112.98 ng	94
103) Pyrene	11.094	202	1031330	119.00 ng	95
104) Benzidine	10.992	184	364429	104.78 ng	91
106) 4,4'-DDE	11.222	246	192327	125.14 ng	92
107) 4,4'-DDD	11.618	235	359010	122.27 ng	83
108) Di-n-hexyl phthalate	11.805	149	1331980	112.97 ng	100
109) Butylbenzylphthalate	11.880	149	570334	126.52 ng	76
110) 4,4'-DDT	11.971	235	298776	130.84 ng	92
111) 3,3'-Dichlorobenzidine	12.490	252	252110	130.12 ng	98
112) Benzo[a]anthracene	12.511	228	846314	116.49 ng	99
113) Chrysene	12.554	228	774066	111.20 ng	100
114) bis(2-Ethylhexyl)phtha...	12.570	149	743304	126.32 ng	96
116) Di-n-octylphthalate	13.319	149	1310151	125.10 ng	99
117) Benzo[b]fluoranthene	13.720	252	779660m	116.67 ng	
118) Benzo[k]fluoranthene	13.752	252	733449m	110.47 ng	
119) Benzo[a]pyrene	14.063	252	741896	113.93 ng	97
120) Indeno[1,2,3-cd]pyrene	15.341	276	777785	113.97 ng	94
121) Dibenzo[a,h]anthracene	15.368	278	622669	112.40 ng	98
122) Benzo[g,h,i]perylene	15.694	276	675101	114.85 ng	89

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


Abundance
TIC: 10M19644.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M19644.D
Acq On : 03/ 2/11 17:22
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Abundance
TIC: 10M19644.D\data.ms
Isophorone,T
Benzoic Acid,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->
Abundance
TIC: 10M19644.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19645.D Sam Mult : 1 Vial# : 9 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:45 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	87799	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	353874	40.00	ng	0.00
51) Acenaphthene-d10	8.056	164	201011	40.00	ng	0.00
85) Phenanthrene-d10	9.490	188	326848	40.00	ng	0.00
102) Chrysene-d12	12.528	240	264434	40.00	ng	0.00
115) Perylene-d12	14.116	264	246721	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.435	112	464306	154.37	ng	0.00
Spiked Amount 100.000			Recovery = 154.37%			
16) Phenol-d5	5.339	99	568386	147.91	ng	0.00
Spiked Amount 100.000			Recovery = 147.91%			
32) Nitrobenzene-d5	6.098	128	119430	81.66	ng	0.00
Spiked Amount 50.000			Recovery = 163.32%			
56) 2-Fluorobiphenyl	7.478	172	446505	72.56	ng	0.00
Spiked Amount 50.000			Recovery = 145.12%			
88) 2,4,6-Tribromophenol	8.784	330	95588	163.82	ng	0.00
Spiked Amount 100.000			Recovery = 163.82%			
105) Terphenyl-d14	11.287	244	420179	80.53	ng	0.00
Spiked Amount 50.000			Recovery = 161.06%			
Target Compounds						Qvalue
8) Pyridine	2.788	79	525169	150.71	ng	95
9) N-Nitrosodimethylamine	2.734	74	307100	144.35	ng	94
11) Chloroacetamide	4.724	93	125042	170.36	ng	42
12) Benzaldehyde	5.264	77	165571	93.70	ng	77
13) Aniline	5.366	93	636774	144.63	ng	80
14) Pentachloroethane	5.403	117	148175	136.03	ng	88
15) bis(2-Chloroethyl)ether	5.425	93	429227	138.79	ng	95
17) Phenol	5.355	94	587487	136.12	ng	88
18) 2-Chlorophenol	5.467	128	446444	145.03	ng	89
19) N-Decane	5.510	57	576791	118.08	ng	98
20) 3-Chlorophenol	6.623	128	470150	148.96	ng	93
21) 1,3-Dichlorobenzene	5.596	146	463982	140.71	ng	97
22) 1,4-Dichlorobenzene	5.660	146	461005	139.25	ng	99
23) 1,2-Dichlorobenzene	5.783	146	437790	137.54	ng	98
24) Benzyl alcohol	5.767	108	320224	150.99	ng	76
25) bis(2-chloroisopropyl)...	5.874	45	923736	131.44	ng	94
26) 2-Methylphenol	5.858	108	438839	148.45	ng	94
27) Acetophenone	5.981	105	600361	133.24	ng	78
28) Hexachloroethane	6.056	117	200526	143.71	ng	99
29) N-Nitroso-di-n-propyla...	5.986	70	301343	132.44	ng	84
30) 3&4-Methylphenol	5.986	108	390970	135.02	ng	97
33) Nitrobenzene	6.115	77	508799	145.00	ng	84
34) Isophorone	6.307	82	927093	148.22	ng	90
35) 2-Nitrophenol	6.361	139	263874	159.65	ng	90
36) 2,4-Dimethylphenol	6.393	107	474101	150.96	ng	97
37) Benzoic Acid	6.516	105	446843	197.28	ng	90
38) bis(2-Chloroethoxy)met...	6.468	93	520856	140.41	ng	98
39) 2,4-Dichlorophenol	6.548	162	369083	153.73	ng	89
40) 1,2,4-Trichlorobenzene	6.607	180	366279	141.08	ng	98
41) Naphthalene	6.671	128	1188954m	132.33	ng	
42) 3-Chloroaniline	6.692	127	583681	160.49	ng	96
43) 4-Chloroaniline	6.714	127	433166m	151.27	ng	
44) Hexachlorobutadiene	6.756	225	174614	143.76	ng	95
45) Caprolactam	7.024	113	197272	179.17	ng	64
46) 4-Chloro-3-methylphenol	7.077	107	419741	152.51	ng	83
47) 2-Methylnaphthalene	7.195	142	802169	139.26	ng	98
48) Methylnaphthalenes (To...	7.195	142	802169	139.26	ng	98
49) 2,4-Dichloroaniline	7.318	161	375939	119.66	ng	97
50) 1,1'-Biphenyl	7.564	154	996266	137.37	ng	95
52) 1,2,4,5-Tetrachloroben...	7.329	216	310621	131.04	ng	98
53) Hexachlorocyclopentadiene	7.318	237	186159	153.61	ng	99
54) 2,4,6-Trichlorophenol	7.414	196	246555	155.44	ng	100
55) 2,4,5-Trichlorophenol	7.446	196	262409	151.83	ng	98
57) 1,2,3,4-Tetrachloroben...	7.553	214	241646	125.55	ng	54
58) 2-Chloronaphthalene	7.585	162	764785	136.25	ng	95
59) 3,4-Dichlorophenol	7.639	162	373920	60.56	ng	96
60) 3,4-Dichloroaniline	7.767	161	217048	68.88	ng	97
61) 1,4-Dimethylnaphthalene	7.864	156	500195	120.42	ng	95
62) Dimethylnaphthalenes (...	7.864	156	500195	120.42	ng	95
63) Diphenyl Ether	7.644	170	531812	126.53	ng	88
64) 2-Nitroaniline	7.666	65	351712	141.99	ng	72
65) Coumarin	7.858	146	321272	134.53	ng	60

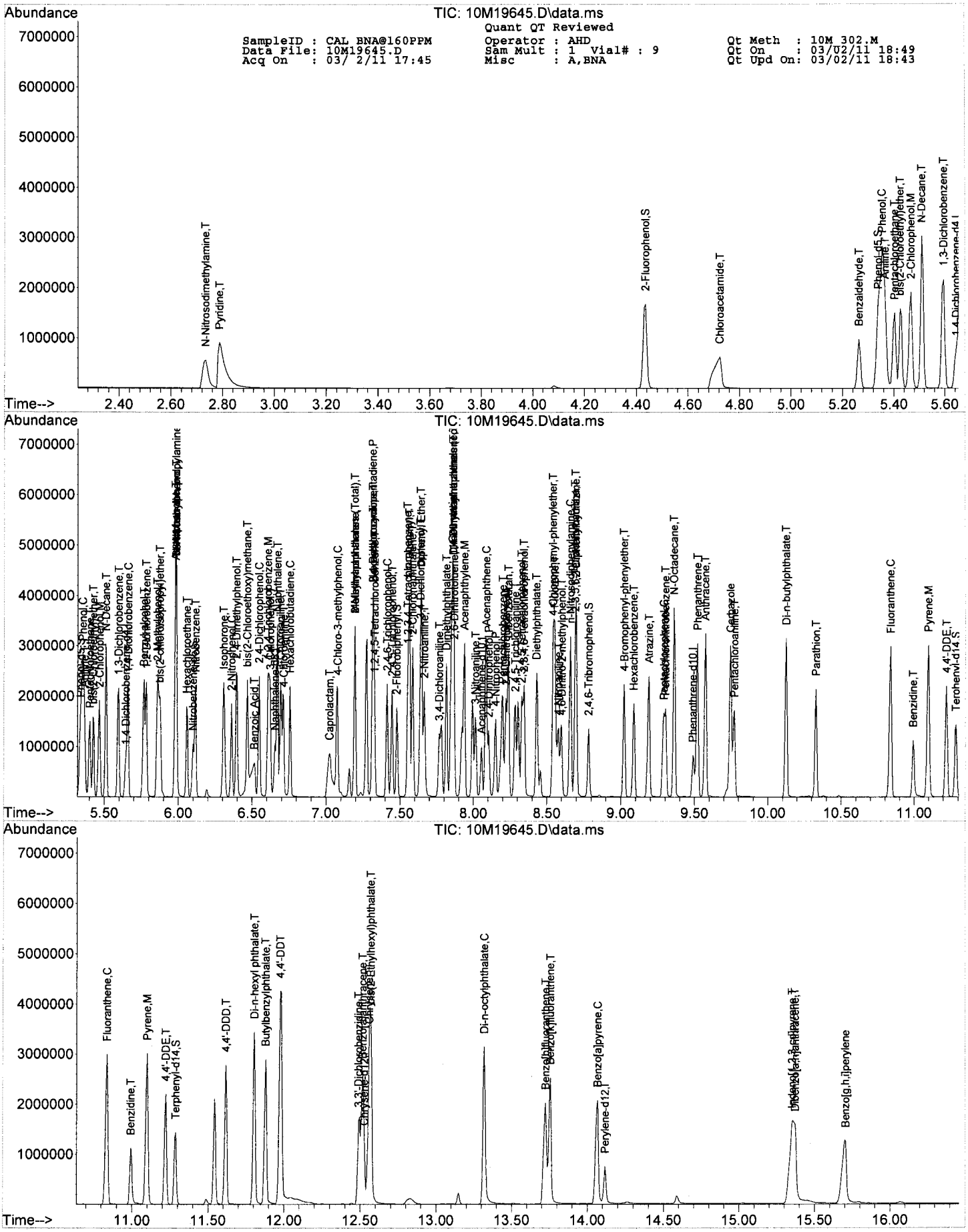
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19645.D Sam Mult : 1 Vial# : 9 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 17:45 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.938	152	1222567	138.43	ng	100
67)	Dimethylphthalate	7.815	163	909606	141.57	ng	99
68)	2,6-Dinitrotoluene	7.869	165	187870	139.67	ng	66
69)	Acenaphthene	8.088	153	768429	141.47	ng	98
70)	3-Nitroaniline	8.013	138	226722	139.51	ng	81
71)	2,4-Dinitrophenol	8.104	184	139278	193.17	ng	51
72)	Pentachlorobenzene	8.200	250	262371	129.50	ng	99
73)	Dibenzofuran	8.238	168	1030819	131.78	ng	94
74)	2,4,5-Trichloroaniline	8.286	195	285835	115.18	ng	98
75)	2,4-Dinitrotoluene	8.222	165	300578	156.03	ng	75
76)	4-Nitrophenol	8.152	65	261004	169.82	ng	90
77)	2,3,4,5-Tetrachlorophenol	8.329	232	228913m	176.43	ng	
78)	2,3,4,6-Tetrachlorophenol	8.345	232	139542m	115.04	ng	
79)	Fluorene	8.554	166	859998	137.41	ng	99
80)	4-Chlorophenyl-phenyle...	8.543	204	370866	142.70	ng	97
81)	Diethylphthalate	8.431	149	952613	147.10	ng	99
82)	4-Nitroaniline	8.580	138	287302	153.05	ng	81
83)	2,3,5,6-Tetrachloroani...	8.693	231	250021	129.39	ng	98
84)	Atrazine	9.190	200	255598	150.99	ng	97
86)	4,6-Dinitro-2-methylph...	8.602	198	168616	180.60	ng	47
87)	n-Nitrosodiphenylamine	8.660	169	788153	146.14	ng	99
89)	1,2-Diphenylhydrazine	8.698	77	1048867	133.57	ng	91
90)	4-Bromophenyl-phenylether	9.024	248	201301	147.01	ng	97
91)	Hexachlorobenzene	9.088	284	193619	145.36	ng	89
92)	N-Octadecane	9.361	57	794093	123.26	ng	98
93)	Pentachloronitrobenzene	9.302	237	104777	134.91	ng	93
94)	Pentachlorophenol	9.292	266	141167	181.35	ng	96
95)	Phenanthrene	9.522	178	1216665	138.51	ng	99
96)	Anthracene	9.575	178	1286339	142.98	ng	99
97)	Pentachloroaniline	9.773	265	210479	126.84	ng	98
98)	Carbazole	9.746	167	1322642	143.98	ng	99
99)	Di-n-butylphthalate	10.126	149	1668697	149.08	ng	98
100)	Parathion	10.329	291	73082	139.79	ng	95
101)	Fluoranthene	10.837	202	1331958	142.41	ng	97
103)	Pyrene	11.099	202	1365827	155.54	ng	93
104)	Benzidine	10.993	184	430019	122.03	ng	91
106)	4,4'-DDE	11.222	246	250224	160.69	ng	91
107)	4,4'-DDD	11.618	235	477529	160.52	ng	84
108)	Di-n-hexyl phthalate	11.805	149	1758816	147.24	ng	100
109)	Butylbenzylphthalate	11.880	149	762294	166.90	ng	77
110)	4,4'-DDT	11.977	235	389113	168.19	ng	92
111)	3,3'-Dichlorobenzidine	12.490	252	310712	158.28	ng	99
112)	Benzo[a]anthracene	12.517	228	1087364	147.72	ng	99
113)	Chrysene	12.560	228	1025405	145.39	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.570	149	953600	159.95	ng	96
116)	Di-n-octylphthalate	13.319	149	1752113	167.27	ng	99
117)	Benzo[b]fluoranthene	13.726	252	1051853	157.37	ng	98
118)	Benzo[k]fluoranthene	13.758	252	939525	141.48	ng	96
119)	Benzo[a]pyrene	14.068	252	970871	149.07	ng	96
120)	Indeno[1,2,3-cd]pyrene	15.352	276	1022287	149.76	ng	94
121)	Dibenzo[a,h]anthracene	15.373	278	812405	146.62	ng	97
122)	Benzo[g,h,i]perylene	15.705	276	879495	149.60	ng	88

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


Abundance
TIC: 10M19645.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M19645.D
Acq On : 03/ 2/11 17:45
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Aniline,T
Bis(2-chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 10M19645.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Hexachlorocyclopentadiene,C
3,4-Dichloroaniline,T
Diethylphthalate,T
Acenaphthylene,M
2-Nitroaniline,T
2,6-Dinitrotoluene,T
Dimethylphthalate,T
Acenaphthene,C
2,4-Dinitrophenol,C
4-Nitrophenol,P
2,4-Dinitrotoluene,T
Fluorene,C
4-Chlorophenyl-phenylether,T
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,C
N-Nitrosodiphenylamine,C
2,3,5,6-Tetrachloroaniline,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Phenanthrene-d10,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Parathion,T
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 10M19645.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine,T
Chrysene-d12,I
Bis(2-ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Perylene-d12,I
Benzo[a]pyrene,C
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19646.D Sam Mult : 1 Vial# : 10 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 18:07 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.644	152	83815	40.00	ng	0.00
31) Naphthalene-d8	6.655	136	337663	40.00	ng	0.00
51) Acenaphthene-d10	8.056	164	192323	40.00	ng	0.00
85) Phenanthrene-d10	9.495	188	318768	40.00	ng	0.00
102) Chrysene-d12	12.528	240	246090	40.00	ng	0.00
115) Perylene-d12	14.116	264	231986	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.435	112	543083	189.15	ng	0.00
Spiked Amount 100.000			Recovery =	189.15%		
16) Phenol-d5	5.344	99	667732	182.03	ng	0.00
Spiked Amount 100.000			Recovery =	182.03%		
32) Nitrobenzene-d5	6.099	128	137310	98.39	ng	0.00
Spiked Amount 50.000			Recovery =	196.78%		
56) 2-Fluorobiphenyl	7.478	172	523279	88.88	ng	0.00
Spiked Amount 50.000			Recovery =	177.76%		
88) 2,4,6-Tribromophenol	8.784	330	110498	194.17	ng	0.00
Spiked Amount 100.000			Recovery =	194.17%		
105) Terphenyl-d14	11.287	244	477150	98.26	ng	0.00
Spiked Amount 50.000			Recovery =	196.52%		
Target Compounds						Qvalue
8) Pyridine	2.782	79	618819	186.03	ng	94
9) N-Nitrosodimethylamine	2.729	74	360935	177.73	ng	98
11) Chloroacetamide	4.729	93	145437	207.57	ng	41
12) Benzaldehyde	5.264	77	158352	93.88	ng	76
13) Aniline	5.366	93	726480	172.85	ng	81
14) Pentachloroethane	5.403	117	172866	166.25	ng	87
15) bis(2-Chloroethyl)ether	5.430	93	487557	165.14	ng	90
17) Phenol	5.355	94	681818	165.48	ng	87
18) 2-Chlorophenol	5.467	128	537847	183.03	ng	88
19) N-Decane	5.510	57	669659	143.60	ng	98
20) 3-Chlorophenol	6.623	128	541420	179.70	ng	92
21) 1,3-Dichlorobenzene	5.596	146	535805	170.21	ng	97
22) 1,4-Dichlorobenzene	5.660	146	546714	172.99	ng	97
23) 1,2-Dichlorobenzene	5.783	146	493649	162.46	ng	99
24) Benzyl alcohol	5.767	108	370635	183.07	ng	78
25) bis(2-chloroisopropyl)...	5.874	45	1032995	153.97	ng	96
26) 2-Methylphenol	5.858	108	497611	176.34	ng	97
27) Acetophenone	5.981	105	695708	161.74	ng	76
28) Hexachloroethane	6.056	117	230010	172.67	ng	99
29) N-Nitroso-di-n-propyla...	5.986	70	347962	160.19	ng	80
30) 3&4-Methylphenol	5.986	108	447996	162.06	ng	98
33) Nitrobenzene	6.115	77	578853	172.88	ng	85
34) Isophorone	6.312	82	1083581	181.56	ng	88
35) 2-Nitrophenol	6.361	139	305562	193.75	ng	89
36) 2,4-Dimethylphenol	6.398	107	541889	180.83	ng	99
37) Benzoic Acid	6.526	105	539638	249.69	ng	89
38) bis(2-Chloroethoxy)met...	6.468	93	607647	171.67	ng	97
39) 2,4-Dichlorophenol	6.548	162	421918	184.17	ng	90
40) 1,2,4-Trichlorobenzene	6.607	180	421051	169.96	ng	98
41) Naphthalene	6.671	128	1385764m	161.64	ng	
42) 3-Chloroaniline	6.698	127	648615m	186.91	ng	
43) 4-Chloroaniline	6.714	127	512926m	187.72	ng	
44) Hexachlorobutadiene	6.756	225	201846	174.16	ng	95
45) Caprolactam	7.029	113	232901	221.68	ng	65
46) 4-Chloro-3-methylphenol	7.077	107	492205	187.43	ng	85
47) 2-Methylnaphthalene	7.195	142	939619	170.95	ng	100
48) Methylnaphthalenes (To...	7.195	142	939619	170.95	ng	100
49) 2,4-Dichloroaniline	7.318	161	428009	142.77	ng	97
50) 1,1'-Biphenyl	7.564	154	1146393	165.66	ng	96
52) 1,2,4,5-Tetrachloroben...	7.329	216	363142	160.12	ng	98
53) Hexachlorocyclopentadiene	7.318	237	221815	191.30	ng	99
54) 2,4,6-Trichlorophenol	7.414	196	286870	189.02	ng	98
55) 2,4,5-Trichlorophenol	7.446	196	313288	189.45	ng	97
57) 1,2,3,4-Tetrachloroben...	7.553	214	282451	153.38	ng	55
58) 2-Chloronaphthalene	7.585	162	886926	165.15	ng	95
59) 3,4-Dichlorophenol	7.644	162	427025	72.28	ng	96
60) 3,4-Dichloroaniline	7.767	161	224425	74.44	ng	96
61) 1,4-Dimethylnaphthalene	7.864	156	571749	143.86	ng	94
62) Dimethylnaphthalenes (...	7.864	156	571749	143.86	ng	94
63) Diphenyl Ether	7.650	170	611263	152.00	ng	84
64) 2-Nitroaniline	7.666	65	414347	174.83	ng	75
65) Coumarin	7.858	146	363711	159.18	ng	60

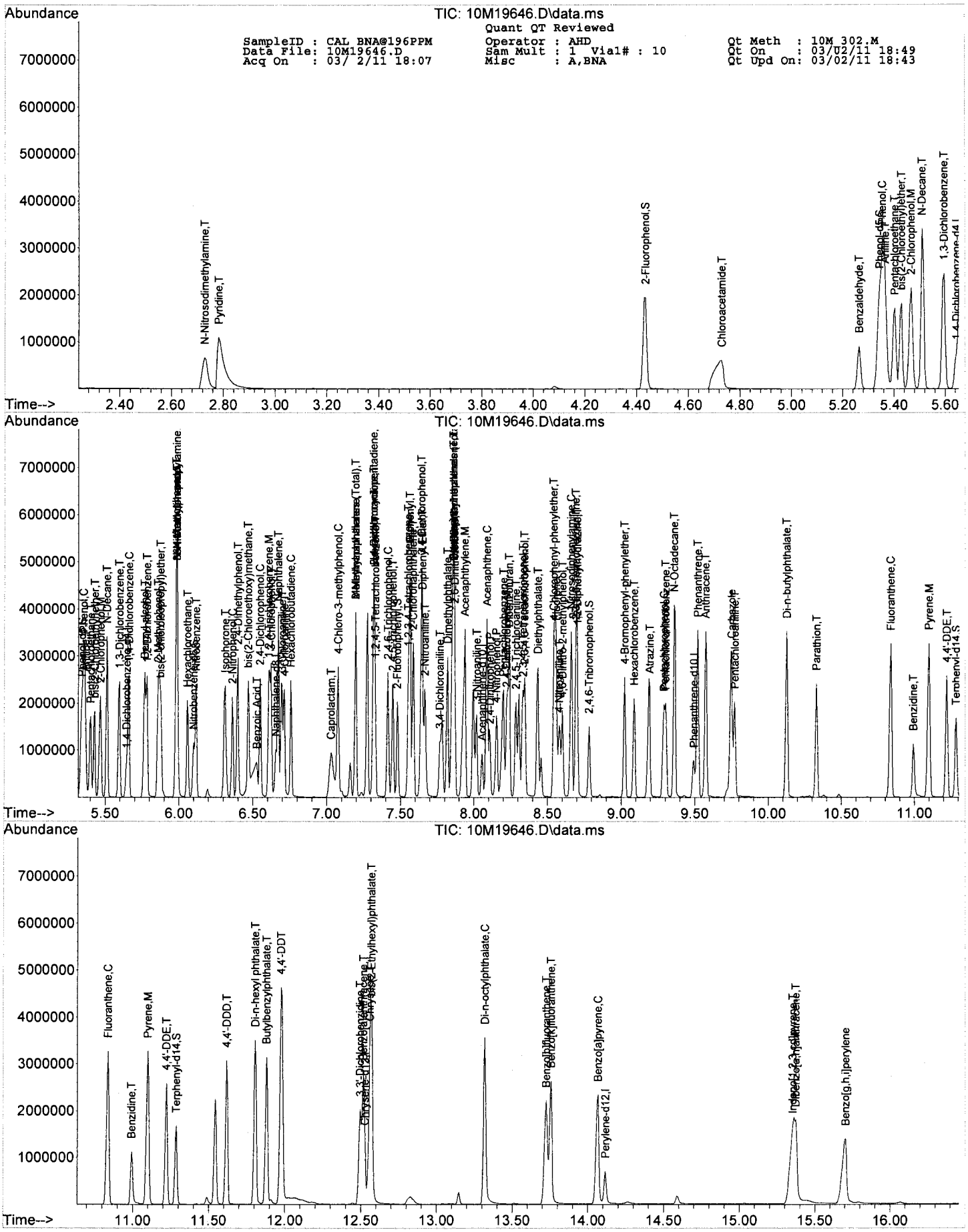
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19646.D Sam Mult : 1 Vial# : 10 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 18:07 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.938	152	1413926	167.32	ng	100
67)	Dimethylphthalate	7.821	163	1052676	171.24	ng	99
68)	2,6-Dinitrotoluene	7.869	165	216648	168.34	ng	80
69)	Acenaphthene	8.088	153	869431	167.29	ng	98
70)	3-Nitroaniline	8.019	138	253046	162.74	ng	78
71)	2,4-Dinitrophenol	8.110	184	164591	238.59	ng	45
72)	Pentachlorobenzene	8.201	250	301093	155.33	ng	99
73)	Dibenzofuran	8.238	168	1204011	160.88	ng	94
74)	2,4,5-Trichloroaniline	8.286	195	308042	129.74	ng	98
75)	2,4-Dinitrotoluene	8.222	165	343022	186.10	ng	79
76)	4-Nitrophenol	8.152	65	287999	195.85	ng	95
77)	2,3,4,5-Tetrachlorophenol	8.334	232	244623m	197.06	ng	
78)	2,3,4,6-Tetrachlorophenol	8.345	232	185736m	160.04	ng	
79)	Fluorene	8.559	166	989584	165.26	ng	99
80)	4-Chlorophenyl-phenyle...	8.543	204	422062	169.73	ng	98
81)	Diethylphthalate	8.436	149	1086531	175.35	ng	100
82)	4-Nitroaniline	8.580	138	327132	182.14	ng	82
83)	2,3,5,6-Tetrachloroani...	8.693	231	288933	156.28	ng	97
84)	Atrazine	9.195	200	299959	185.20	ng	99
86)	4,6-Dinitro-2-methylph...	8.602	198	199472	219.06	ng	42
87)	n-Nitrosodiphenylamine	8.661	169	912402	173.47	ng	98
89)	1,2-Diphenylhydrazine	8.703	77	1199960	156.69	ng	87
90)	4-Bromophenyl-phenylether	9.024	248	233284	174.68	ng	97
91)	Hexachlorobenzene	9.088	284	223286	171.89	ng	89
92)	N-Octadecane	9.361	57	906435	144.27	ng	99
93)	Pentachloronitrobenzene	9.302	237	120075	158.52	ng	92
94)	Pentachlorophenol	9.292	266	164097	216.15	ng	96
95)	Phenanthrene	9.522	178	1433749	167.37	ng	99
96)	Anthracene	9.575	178	1456701	166.03	ng	100
97)	Pentachloroaniline	9.773	265	242699	149.97	ng	99
98)	Carbazole	9.752	167	1502945	167.75	ng	99
99)	Di-n-butylphthalate	10.126	149	1884639	172.64	ng	98
100)	Parathion	10.329	291	85511	167.71	ng	95
101)	Fluoranthene	10.837	202	1499657	164.41	ng	97
103)	Pyrene	11.100	202	1534961	187.83	ng	94
104)	Benzidine	10.993	184	437742	133.48	ng	91
106)	4,4'-DDE	11.223	246	288985	199.41	ng	92
107)	4,4'-DDD	11.618	235	546641	197.45	ng	84
108)	Di-n-hexyl phthalate	11.806	149	2010200	180.83	ng	100
109)	Butylbenzylphthalate	11.880	149	854841	201.12	ng	79
110)	4,4'-DDT	11.977	235	436647	202.80	ng	92
111)	3,3'-Dichlorobenzidine	12.496	252	328627	179.88	ng	98
112)	Benzo[a]anthracene	12.517	228	1209441	176.55	ng	99
113)	Chrysene	12.560	228	1138182	173.41	ng	100
114)	bis(2-Ethylhexyl)phtha...	12.570	149	1058969	190.86	ng	96
116)	Di-n-octylphthalate	13.319	149	1953148	198.31	ng	99
117)	Benzo[b]fluoranthene	13.726	252	1170537	186.25	ng	98
118)	Benzo[k]fluoranthene	13.758	252	1045210	167.40	ng	97
119)	Benzo[a]pyrene	14.068	252	1106843	180.74	ng	96
120)	Indeno[1,2,3-cd]pyrene	15.352	276	1143023	178.08	ng	98
121)	Dibenzo[a,h]anthracene	15.373	278	903123	173.35	ng	99
122)	Benzo[g,h,i]perylene	15.705	276	992987	179.63	ng	88

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


Abundance
TIC: 10M19646.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M19646.D
Acq On : 03/ 2/11 18:07
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
Phenol-d6,S
Aniline,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->

Abundance
TIC: 10M19646.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,C
2-Nitroaniline,T
Diphenylamine,C
Acenaphthylene,M
Acenaphthene,C
Dimethylphthalate,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 10M19646.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19640.D Sam Mult : 1 Vial# : 4 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:54 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.638	152	94757	40.00	ng	0.00
31) Naphthalene-d8	6.649	136	387214	40.00	ng	0.00
51) Acenaphthene-d10	8.045	164	229064	40.00	ng	-0.01
85) Phenanthrene-d10	9.484	188	381696	40.00	ng	-0.01
102) Chrysene-d12	12.511	240	330208	40.00	ng	-0.02
115) Perylene-d12	14.111	264	293473	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
16) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
32) Nitrobenzene-d5	0.000	128	0	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
56) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
88) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
105) Terphenyl-d14	11.276	244	1591	0.24	ng	-0.01
Spiked Amount 50.000			Recovery	=	0.48%	
Target Compounds						Qvalue
8) Pyridine	0.000		0	N.D.		
9) N-Nitrosodimethylamine	0.000		0	N.D.		
11) Chloroacetamide	0.000		0	N.D.		
12) Benzaldehyde	0.000		0	N.D. d		
13) Aniline	0.000		0	N.D. d		
14) Pentachloroethane	0.000		0	N.D. d		
15) bis(2-Chloroethyl)ether	0.000		0	N.D. d		
17) Phenol	0.000		0	N.D. d		
18) 2-Chlorophenol	0.000		0	N.D. d		
19) N-Decane	0.000		0	N.D. d		
20) 3-Chlorophenol	0.000		0	N.D. d		
21) 1,3-Dichlorobenzene	0.000		0	N.D. d		
22) 1,4-Dichlorobenzene	0.000		0	N.D. d		
23) 1,2-Dichlorobenzene	0.000		0	N.D. d		
24) Benzyl alcohol	0.000		0	N.D. d		
25) bis(2-chloroisopropyl)...	0.000		0	N.D. d		
26) 2-Methylphenol	5.852	108	1291	0.40	ng	90
27) Acetophenone	0.000		0	N.D. d		
28) Hexachloroethane	0.000		0	N.D. d		
29) N-Nitroso-di-n-propyla...	0.000		0	N.D. d		
30) 3&4-Methylphenol	5.975	108	1195	0.38	ng	88
33) Nitrobenzene	0.000		0	N.D. d		
34) Isophorone	0.000		0	N.D. d		
35) 2-Nitrophenol	0.000		0	N.D.		
36) 2,4-Dimethylphenol	6.387	107	1252	0.36	ng	88
37) Benzoic Acid	0.000		0	N.D. d		
38) bis(2-Chloroethoxy)met...	0.000		0	N.D. d		
39) 2,4-Dichlorophenol	0.000		0	N.D. d		
40) 1,2,4-Trichlorobenzene	0.000		0	N.D. d		
41) Naphthalene	6.665	128	5799m	0.59	ng	
42) 3-Chloroaniline	0.000		0	N.D. d		
43) 4-Chloroaniline	0.000		0	N.D. d		
44) Hexachlorobutadiene	0.000		0	N.D. d		
45) Caprolactam	0.000		0	N.D.		
46) 4-Chloro-3-methylphenol	0.000		0	N.D. d		
47) 2-Methylnaphthalene	0.000		0	N.D. d		
48) Methylnaphthalenes (To...	0.000		0	N.D. d		
49) 2,4-Dichloroaniline	0.000		0	N.D. d		
50) 1,1'-Biphenyl	0.000		0	N.D. d		
52) 1,2,4,5-Tetrachloroben...	0.000		0	N.D. d		
53) Hexachlorocyclopentadiene	0.000		0	N.D.		
54) 2,4,6-Trichlorophenol	0.000		0	N.D. d		
55) 2,4,5-Trichlorophenol	0.000		0	N.D. d		
57) 1,2,3,4-Tetrachloroben...	0.000		0	N.D. d		
58) 2-Chloronaphthalene	0.000		0	N.D. d		
59) 3,4-Dichlorophenol	0.000		0	N.D. d		
60) 3,4-Dichloroaniline	0.000		0	N.D. d		
61) 1,4-Dimethylnaphthalene	0.000		0	N.D. d		
62) Dimethylnaphthalenes (...	0.000		0	N.D. d		
63) Diphenyl Ether	0.000		0	N.D. d		
64) 2-Nitroaniline	0.000		0	N.D. d		
65) Coumarin	0.000		0	N.D. d		

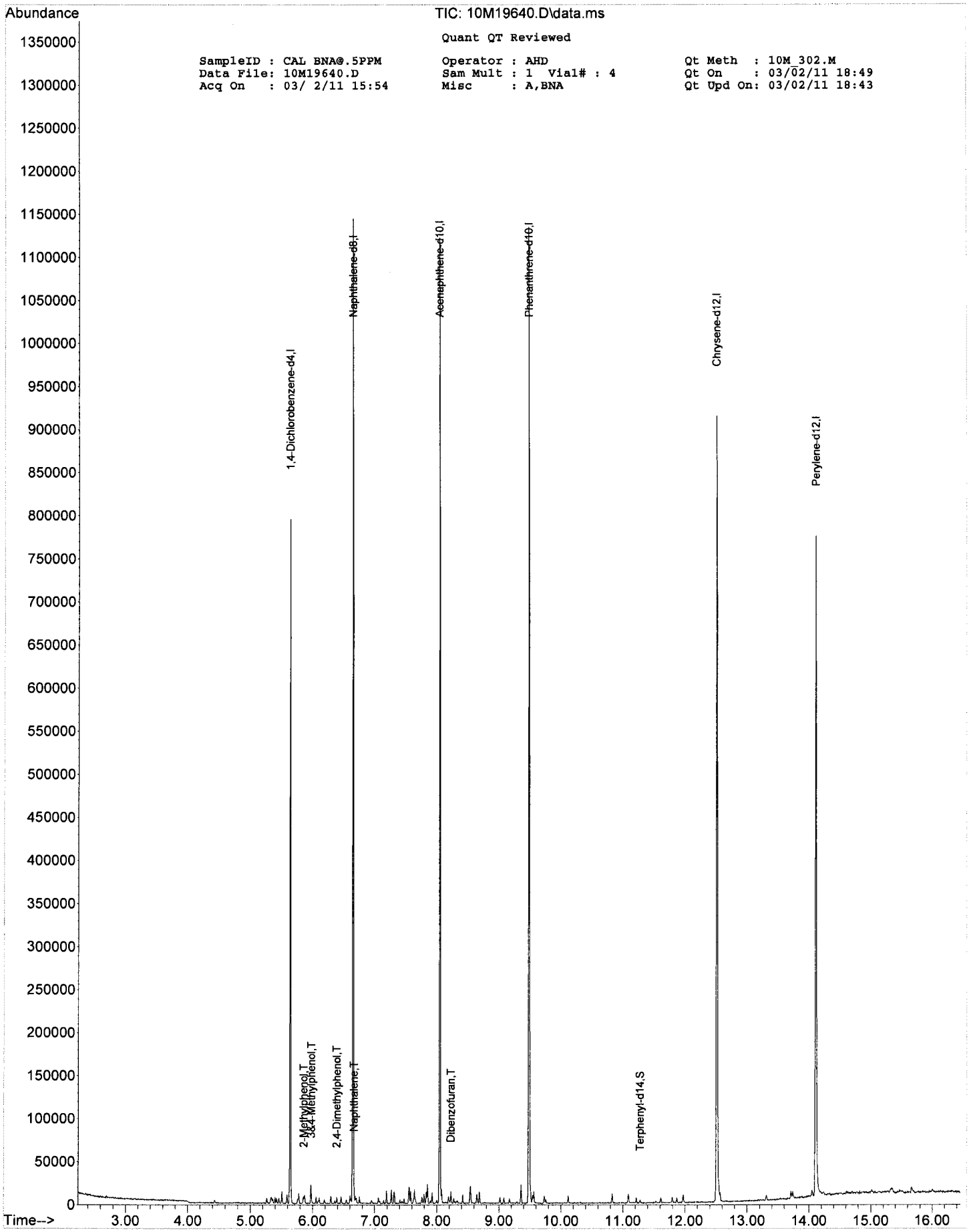
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@.5PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19640.D Sam Mult : 1 Vial# : 4 Qt On : 03/02/11 18:49
Acq On : 03/ 2/11 15:54 Misc : A,BNA Qt Upd On: 03/02/11 18:43

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Acenaphthylene	0.000		0	N.D.	d	
67) Dimethylphthalate	0.000		0	N.D.	d	
68) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
69) Acenaphthene	0.000		0	N.D.	d	
70) 3-Nitroaniline	0.000		0	N.D.	d	
71) 2,4-Dinitrophenol	0.000		0	N.D.		
72) Pentachlorobenzene	0.000		0	N.D.	d	
73) Dibenzofuran	8.227	168	4977	0.56	ng	90
74) 2,4,5-Trichloroaniline	0.000		0	N.D.	d	
75) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
76) 4-Nitrophenol	0.000		0	N.D.	d	
77) 2,3,4,5-Tetrachlorophenol	0.000		0	N.D.		
78) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
79) Fluorene	0.000		0	N.D.	d	
80) 4-Chlorophenyl-phenyle...	0.000		0	N.D.	d	
81) Diethylphthalate	0.000		0	N.D.	d	
82) 4-Nitroaniline	0.000		0	N.D.		
83) 2,3,5,6-Tetrachloroani...	0.000		0	N.D.	d	
84) Atrazine	0.000		0	N.D.	d	
86) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
87) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
89) 1,2-Diphenylhydrazine	0.000		0	N.D.	d	
90) 4-Bromophenyl-phenylether	0.000		0	N.D.	d	
91) Hexachlorobenzene	0.000		0	N.D.	d	
92) N-Octadecane	0.000		0	N.D.	d	
93) Pentachloronitrobenzene	0.000		0	N.D.		
94) Pentachlorophenol	0.000		0	N.D.		
95) Phenanthrene	0.000		0	N.D.	d	
96) Anthracene	0.000		0	N.D.	d	
97) Pentachloroaniline	0.000		0	N.D.	d	
98) Carbazole	0.000		0	N.D.	d	
99) Di-n-butylphthalate	0.000		0	N.D.	d	
100) Parathion	0.000		0	N.D.		
101) Fluoranthene	0.000		0	N.D.	d	
103) Pyrene	0.000		0	N.D.	d	
104) Benzidine	0.000		0	N.D.		
106) 4,4'-DDE	0.000		0	N.D.	d	
107) 4,4'-DDD	0.000		0	N.D.	d	
108) Di-n-hexyl phthalate	0.000		0	N.D.	d	
109) Butylbenzylphthalate	0.000		0	N.D.	d	
110) 4,4'-DDT	0.000		0	N.D.	d	
111) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
112) Benzo[a]anthracene	0.000		0	N.D.	d	
113) Chrysene	0.000		0	N.D.	d	
114) bis(2-Ethylhexyl)phtha...	0.000		0	N.D.	d	
116) Di-n-octylphthalate	0.000		0	N.D.	d	
117) Benzo[b]fluoranthene	0.000		0	N.D.	d	
118) Benzo[k]fluoranthene	0.000		0	N.D.	d	
119) Benzo[a]pyrene	0.000		0	N.D.	d	
120) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
121) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
122) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

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


Abundance
TIC: 10M19640.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@.5PPM
Data File: 10M19640.D
Acq On : 03/ 2/11 15:54
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/02/11 18:49
Qt Upd On: 03/02/11 18:43
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
2-Methylphenol,T
3&4-Methylphenol,T
2,4-Dimethylphenol,T
Naphthalene,T
Dibenzofuran,T
Terphenyl-d14,S
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64712.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/16/2011 9:50:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.43	40.00	40				0.000	0.00	
Pyridine	1	0		2.43	51.24	50			1.823	1.869	2.48	
N-Nitrosodimethylamine	1	0		2.37	53.29	50			1.089	1.161	6.58	
2-Fluorophenol	1	0	S	4.21	51.74	50			1.309	1.355	3.48	
Benzaldehyde	1	0		5.04	40.46	50			0.918	0.877	19.08	
Aniline	1	0		5.14	59.09	50			2.052	2.425	18.18	
Pentachloroethane	1	0		5.19	51.58	50			0.484	0.499	3.16	
bis(2-Chloroethyl)ether	1	0		5.21	51.82	50			1.516	1.571	3.64	
Phenol-d5	1	0	S	5.14	53.38	50			1.848	1.973	6.76	
Phenol	1	0	CC	5.15	52.53	50	20		2.144	2.253	5.06	
2-Chlorophenol	1	0		5.26	52.08	50			1.426	1.485	4.16	
N-Decane	1	0		5.31	52.41	50			2.017	2.115	4.82	
1,3-Dichlorobenzene	1	0		5.38	52.56	50			1.466	1.541	5.12	
1,4-Dichlorobenzene	1	0	CC	5.45	51.03	50	20		1.514	1.545	2.06	
1,2-Dichlorobenzene	1	0		5.57	53.31	50			1.404	1.497	6.62	
Benzyl alcohol	1	0		5.56	57.14	50			0.963	1.100	14.28	
bis(2-chloroisopropyl)ether	1	0		5.67	56.09	50			2.585	2.899	12.18	
2-Methylphenol	1	0		5.67	57.34	50			1.355	1.554	14.68	
Acetophenone	1	0		5.77	55.74	50			2.199	2.452	11.48	
Hexachloroethane	1	0		5.85	51.51	50			0.629	0.648	3.02	
N-Nitroso-di-n-propylamine	1	0	CP	5.78	56.37	50	0.05		1.158	1.306	12.74	
3&4-Methylphenol	1	0		5.80	55.60	50			1.495	1.663	11.20	
Naphthalene-d8	1	0	I	6.46	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.89	26.08	25			0.171	0.179	4.32	
Nitrobenzene	1	0		5.91	53.12	50			0.456	0.485	6.24	
Isophorone	1	0		6.10	53.30	50			0.820	0.874	6.60	
2-Nitrophenol	1	0	CC	6.16	51.67	50	20		0.187	0.193	3.34	
2,4-Dimethylphenol	1	0		6.21	54.27	50			0.377	0.410	8.54	
Benzoic Acid	1	0		6.29	56.57	50			0.226	0.252	13.14	
bis(2-Chloroethoxy)methane	1	0		6.28	53.18	50			0.471	0.501	6.36	
2,4-Dichlorophenol	1	0	CC	6.36	55.61	50	20		0.266	0.296	11.22	
1,2,4-Trichlorobenzene	1	0		6.41	52.24	50			0.294	0.308	4.48	
Naphthalene	1	0		6.47	50.94	50			1.084	1.104	1.88	
4-Chloroaniline	1	0		6.51	52.92	50			0.348	0.445	5.84	
Hexachlorobutadiene	1	0	CC	6.56	52.31	50	20		0.126	0.131	4.62	
Caprolactam	1	0		6.78	54.30	50			0.125	0.135	8.60	
4-Chloro-3-methylphenol	1	0	CC	6.89	54.88	50	20		0.342	0.376	9.76	
2-Methylnaphthalene	1	0		6.99	53.81	50			0.649	0.699	7.62	
Methylnaphthalenes	1	0		6.99	53.81	50	20			0.699	7.62	
1,1'-Biphenyl	1	0		7.36	53.73	50			0.837	0.900	7.46	
Acenaphthene-d10	1	0	I	7.84	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.12	51.97	50			0.484	0.503	3.94	
Hexachlorocyclopentadiene	1	0	CP	7.11	47.33	50	0.05		0.190	0.206	5.34	
2,4,6-Trichlorophenol	1	0	CC	7.21	53.46	50	20		0.307	0.328	6.92	
2,4,5-Trichlorophenol	1	0		7.25	51.57	50			0.345	0.356	3.14	
2-Fluorobiphenyl	1	0	S	7.28	24.97	25			1.263	1.261	0.12	
2-Chloronaphthalene	1	0		7.37	49.95	50			1.112	1.111	0.10	
1,4-Dimethylnaphthalene	1	0		7.65	54.05	50			0.870	0.940	8.10	
Dimethylnaphthalenes	1	0		7.65	54.05	50	20			0.940	8.10	
Diphenyl Ether	1	0		7.44	53.01	50			0.836	0.886	6.02	
2-Nitroaniline	1	0		7.46	52.45	50			0.599	0.628	4.90	
Coumarin	1	0		7.63	54.73				0.476			
Acenaphthylene	1	0		7.72	52.27	50			1.875	1.960	4.54	
Dimethylphthalate	1	0		7.60	51.93	50			1.274	1.323	3.86	
2,6-Dinitrotoluene	1	0		7.65	53.31	50			0.279	0.297	6.62	
Acenaphthene	1	0	CC	7.87	51.54	50	20		1.163	1.198	3.08	
3-Nitroaniline	1	0		7.80	58.11	50			0.322	0.375	16.22	
2,4-Dinitrophenol	1	0	CP	7.89	58.64	50	0.05		0.131	0.150	17.28	
Dibenzofuran	1	0		8.02	52.42	50			1.576	1.653	4.84	
2,4-Dinitrotoluene	1	0		8.00	55.00	50			0.368	0.405	10.00	
4-Nitrophenol	1	0	CP	7.95	54.91	50	0.05		0.330	0.363	9.82	
2,3,4,6-Tetrachlorophenol	1	0		8.12	52.21	50			0.237	0.262	4.42	
Fluorene	1	0		8.33	52.45	50			1.216	1.276	4.90	
4-Chlorophenyl-phenylether	1	0		8.32	53.62	50			0.493	0.528	7.24	
Diethylphthalate	1	0		8.22	53.02	50			1.328	1.409	6.04	
4-Nitroaniline	1	0		8.34	52.87	50			0.377	0.399	5.74	
Atrazine	1	0		8.96	51.85	50			0.331	0.343	3.70	
Phenanthrene-d10	1	0	I	9.26	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.37	53.95	50			0.103	0.122	7.90	
n-Nitrosodiphenylamine	1	0	CC	8.43	53.07	50	20		0.633	0.672	6.14	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64712.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/16/2011 9:50:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.56	50.01	50			0.054	0.058	0.02	
1,2-Diphenylhydrazine	1	0		8.47	52.54	50			1.096	1.152	5.08	
4-Bromophenyl-phenylether	1	0		8.80	51.40	50			0.149	0.154	2.80	
Hexachlorobenzene	1	0		8.86	50.89	50			0.144	0.146	1.78	
N-Octadecane	1	0		9.15	54.93	50			0.715	0.785	9.86	
Pentachlorophenol	1	0	CC	9.06	55.78	50	20		0.076	0.085	11.56	
Phenanthrene	1	0		9.28	51.72	50			1.075	1.112	3.44	
Anthracene	1	0		9.34	52.95	50			1.087	1.152	5.90	
Carbazole	1	0		9.51	53.56	50			1.061	1.137	7.12	
Di-n-butylphthalate	1	0		9.90	53.61	50			1.335	1.432	7.22	
Fluoranthene	1	0	CC	10.59	53.53	50	20		1.063	1.138	7.06	
Chrysene-d12	1	0	I	12.28	40.00	40				0.000	0.00	
Pyrene	1	0		10.85	52.97	50			1.427	1.512	5.94	
Benzidine	1	0		10.76	47.17	50			0.477	0.616	5.66	
Terphenyl-d14	1	0	S	11.05	25.22	25			0.791	0.798	0.88	
4,4'-DDE	1	0		10.99	50.56				0.237			
4,4'-DDD	1	0		11.39	52.76				0.462			
Butylbenzylphthalate	1	0		11.65	52.14	50			0.752	0.785	4.28	
4,4'-DDT	1	0		11.74	49.97				0.371			
3,3'-Dichlorobenzidine	1	0		12.25	51.80	50			0.285	0.331	3.60	
Benzo[a]anthracene	1	0		12.27	51.58	50			1.137	1.173	3.16	
Chrysene	1	0		12.31	51.84	50			1.122	1.163	3.68	
bis(2-Ethylhexyl)phthalate	1	0		12.36	51.48	50			1.045	1.076	2.96	
Perylene-d12	1	0	I	13.87	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.11	45.68	50	20		1.993	2.005	8.64	
Benzo[b]fluoranthene	1	0		13.48	49.32	50			1.161	1.145	1.36	
Benzo[k]fluoranthene	1	0		13.51	52.43	50			1.152	1.208	4.86	
Benzo[a]pyrene	1	0	CC	13.82	52.36	50	20		1.095	1.147	4.72	
Indeno[1,2,3-cd]pyrene	1	0		15.02	52.02	50			0.996	1.037	4.04	
Dibenzo[a,h]anthracene	1	0		15.04	52.53	50			0.826	0.868	5.06	
Benzo[g,h,i]perylene	1	0		15.34	52.49	50			0.846	0.888	4.98	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64712.D Sam Mult : 1 Vial# : 2 Qt On : 02/16/11 10:09
Acq On : 02/16/11 09:50 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	76247	40.00	ng	-0.02
29) Naphthalene-d8	6.458	136	308819	40.00	ng	-0.01
47) Acenaphthene-d10	7.836	164	173541	40.00	ng	-0.02
74) Phenanthrene-d10	9.257	188	291402	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	229963	40.00	ng	-0.02
100) Perylene-d12	13.873	264	199227	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.209	112	129149	51.74	ng	-0.02
Spiked Amount 100.000			Recovery = 51.74%			
15) Phenol-d5	5.144	99	188057	53.38	ng	-0.02
Spiked Amount 100.000			Recovery = 53.38%			
30) Nitrobenzene-d5	5.891	128	34495	26.08	ng	-0.02
Spiked Amount 50.000			Recovery = 52.16%			
52) 2-Fluorobiphenyl	7.275	172	136810	24.97	ng	-0.01
Spiked Amount 50.000			Recovery = 49.94%			
77) 2,4,6-Tribromophenol	8.557	330	21192	50.01	ng	-0.02
Spiked Amount 100.000			Recovery = 50.01%			
91) Terphenyl-d14	11.052	244	114645	25.22	ng	-0.02
Spiked Amount 50.000			Recovery = 50.44%			
Target Compounds						Qvalue
8) Pyridine	2.430	79	178085	51.24	ng	86
9) N-Nitrosodimethylamine	2.371	74	110644	53.29	ng	89
11) Benzaldehyde	5.042	77	83580	40.46	ng	92
12) Aniline	5.144	93	231120	59.09	ng	79
13) Pentachloroethane	5.186	117	47563	51.58	ng	95
14) bis(2-Chloroethyl)ether	5.213	93	149767	51.82	ng	94
16) Phenol	5.154	94	214713	52.53	ng	95
17) 2-Chlorophenol	5.256	128	141515	52.08	ng	92
18) N-Decane	5.309	57	201538	52.41	ng	95
19) 1,3-Dichlorobenzene	5.384	146	146882	52.56	ng	98
20) 1,4-Dichlorobenzene	5.448	146	147250	51.03	ng	98
21) 1,2-Dichlorobenzene	5.571	146	142700	53.31	ng	98
22) Benzyl alcohol	5.560	108	104874	57.14	ng	80
23) bis(2-chloroisopropyl)...	5.672	45	276342	56.09	ng	99
24) 2-Methylphenol	5.667	108	148119	57.34	ng	96
25) Acetophenone	5.774	105	233681	55.74	ng	68
26) Hexachloroethane	5.854	117	61775	51.51	ng	94
27) N-Nitroso-di-n-propyla...	5.779	70	124431	56.37	ng	83
28) 3&4-Methylphenol	5.795	108	158497	55.60	ng	99
31) Nitrobenzene	5.907	77	187214	53.12	ng	92
32) Isophorone	6.100	82	337574	53.30	ng	99
33) 2-Nitrophenol	6.164	139	74625	51.67	ng	90
34) 2,4-Dimethylphenol	6.207	107	158095	54.27	ng	100
35) Benzoic Acid	6.292	105	97098m	56.57	ng	
36) bis(2-Chloroethoxy)met...	6.276	93	193332	53.18	ng	98
37) 2,4-Dichlorophenol	6.356	162	114078	55.61	ng	93
38) 1,2,4-Trichlorobenzene	6.415	180	118745	52.24	ng	99
39) Naphthalene	6.474	128	426333	50.94	ng	100
40) 4-Chloroaniline	6.511	127	171806	52.92	ng	100
41) Hexachlorobutadiene	6.565	225	50736	52.31	ng	97
42) Caprolactam	6.784	113	52253	54.30	ng	65
43) 4-Chloro-3-methylphenol	6.885	107	145086	54.88	ng	96
44) 2-Methylnaphthalene	6.992	142	269801	53.81	ng	100
45) Methylnaphthalenes (To...	6.992	142	269801	53.81	ng	100
46) 1,1'-Biphenyl	7.355	154	347400	53.73	ng	98
48) 1,2,4,5-Tetrachloroben...	7.120	216	109157	51.97	ng	98
49) Hexachlorocyclopentadiene	7.115	237	44620	47.33	ng	98
50) 2,4,6-Trichlorophenol	7.211	196	71227	53.46	ng	98
51) 2,4,5-Trichlorophenol	7.248	196	77297	51.57	ng	98
53) 2-Chloronaphthalene	7.371	162	241027	49.95	ng	97
54) 1,4-Dimethylnaphthalene	7.649	156	203929	54.05	ng	95
55) Dimethylnaphthalenes (...	7.649	156	203929	54.05	ng	95
56) Diphenyl Ether	7.441	170	192247	53.01	ng	89
57) 2-Nitroaniline	7.457	65	136277	52.45	ng	75
58) Coumarin	7.628	146	113042	54.73	ng	75
59) Acenaphthylene	7.718	152	425208	52.27	ng	99
60) Dimethylphthalate	7.601	163	286942	51.93	ng	100
61) 2,6-Dinitrotoluene	7.654	165	64444	53.31	ng	79
62) Acenaphthene	7.868	153	259960	51.54	ng	96
63) 3-Nitroaniline	7.799	138	81287	58.11	ng	39
64) 2,4-Dinitrophenol	7.889	184	32494	58.64	ng	74
65) Dibenzofuran	8.018	168	358547	52.42	ng	90

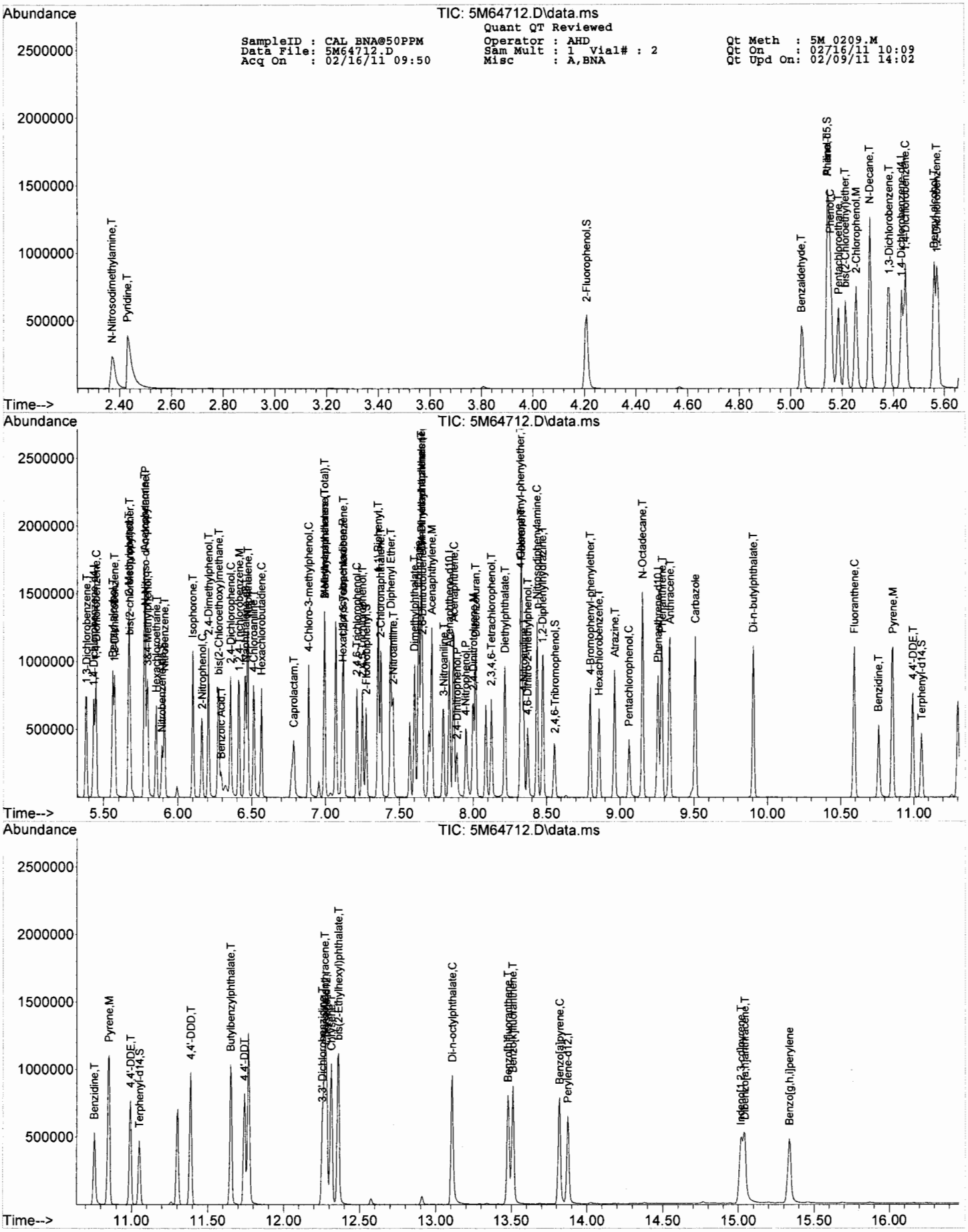
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64712.D Sam Mult : 1 Vial# : 2 Qt On : 02/16/11 10:09
Acq On : 02/16/11 09:50 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.002	165	87805	55.00	ng	87
67)	4-Nitrophenol	7.948	65	78660	54.91	ng	99
68)	2,3,4,6-Tetrachlorophenol	8.124	232	56858	52.21	ng	99
69)	Fluorene	8.328	166	276767	52.45	ng	98
70)	4-Chlorophenyl-phenyle...	8.322	204	114605	53.62	ng	99
71)	Diethylphthalate	8.215	149	305572	53.02	ng	99
72)	4-Nitroaniline	8.344	138	86519	52.87	ng	94
73)	Atrazine	8.963	200	74438	51.85	ng	96
75)	4,6-Dinitro-2-methylph...	8.370	198	44595	53.95	ng	25
76)	n-Nitrosodiphenylamine	8.434	169	244623	53.07	ng	98
78)	1,2-Diphenylhydrazine	8.472	77	419529	52.54	ng	97
79)	4-Bromophenyl-phenylether	8.798	248	55932	51.40	ng	93
80)	Hexachlorobenzene	8.856	284	53214	50.89	ng	96
81)	N-Octadecane	9.150	57	286110	54.93	ng	95
82)	Pentachlorophenol	9.059	266	31023	55.78	ng	93
83)	Phenanthrene	9.284	178	404953	51.72	ng	99
84)	Anthracene	9.337	178	419454	52.95	ng	100
85)	Carbazole	9.508	167	414090	53.56	ng	99
86)	Di-n-butylphthalate	9.903	149	521473	53.61	ng	99
87)	Fluoranthene	10.593	202	414556	53.53	ng	93
89)	Pyrene	10.854	202	434551	52.97	ng	99
90)	Benzidine	10.758	184	176940	47.17	ng	98
92)	4,4'-DDE	10.993	246	68748	50.56	ng	89
93)	4,4'-DDD	11.389	235	140039	52.76	ng	81
94)	Butylbenzylphthalate	11.650	149	225556	52.14	ng	89
95)	4,4'-DDT	11.741	235	114662	49.97	ng	82
96)	3,3'-Dichlorobenzidine	12.254	252	95010	51.80	ng	97
97)	Benzo[a]anthracene	12.270	228	337111	51.58	ng	99
98)	Chrysene	12.313	228	334370	51.84	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.361	149	309424	51.48	ng	99
101)	Di-n-octylphthalate	13.109	149	499248	45.68	ng	99
102)	Benzo[b]fluoranthene	13.477	252	285081	49.32	ng	95
103)	Benzo[k]fluoranthene	13.509	252	300723	52.43	ng	96
104)	Benzo[a]pyrene	13.819	252	285530	52.36	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.016	276	258181	52.02	ng	75
106)	Dibenzo[a,h]anthracene	15.043	278	216194	52.53	ng	90
107)	Benzo[g,h,i]perylene	15.337	276	221061	52.49	ng	81

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


Abundance
TIC: 5M64712.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64712.D
Acq On : 02/16/11 09:50
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 10:09
Qt Upd On: 02/09/11 14:02
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl alcohol,T
1,2-Dichlorobenzene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,C
4-Chloroaniline,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
2,6-Dinitrotoluene,C
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,C
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
3,3'-Dichlorobenzidine,T
Chrysene,C
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32365.D **Instrument:** GCMS 9

Cont Calibration Date/Time 2/17/2011 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.53	40.00	40				0.000	0.00	
Pyridine	1	0		2.61	51.23	50			1.464	1.607	2.46	
N-Nitrosodimethylamine	1	0		2.54	52.36	50			0.930	0.974	4.72	
2-Fluorophenol	1	0	S	4.31	52.49	50			1.302	1.366	4.98	
Benzaldehyde	1	0		5.14	38.09	50			0.797	0.745	23.82	
Aniline	1	0		5.24	55.14	50			2.085	2.300	10.28	
Pentachloroethane	1	0		5.28	53.02	50			0.449	0.476	6.04	
bis(2-Chloroethyl)ether	1	0		5.31	51.23	50			1.460	1.496	2.46	
Phenol-d5	1	0	S	5.23	51.11	50			1.830	1.871	2.22	
Phenol	1	0	CC	5.24	51.21	50	20		2.016	2.064	2.42	
2-Chlorophenol	1	0		5.35	50.63	50			1.459	1.478	1.26	
N-Decane	1	0		5.40	55.59	50			1.766	1.964	11.18	
1,3-Dichlorobenzene	1	0		5.48	50.62	50			1.511	1.530	1.24	
1,4-Dichlorobenzene	1	0	CC	5.54	50.01	50	20		1.532	1.532	0.02	
1,2-Dichlorobenzene	1	0		5.67	50.42	50			1.439	1.451	0.84	
Benzyl alcohol	1	0		5.65	50.67	50			0.997	1.011	1.34	
bis(2-chloroisopropyl)ether	1	0		5.77	51.91	50			2.103	2.183	3.82	
2-Methylphenol	1	0		5.75	50.64	50			1.350	1.367	1.28	
Acetophenone	1	0		5.87	50.11	50			2.141	2.145	0.22	
Hexachloroethane	1	0		5.94	51.80	50			0.560	0.580	3.60	
N-Nitroso-di-n-propylamine	1	0	CP	5.87	51.18	50	0.05		1.091	1.117	2.36	
3&4-Methylphenol	1	0		5.88	51.06	50			1.387	1.416	2.12	
Naphthalene-d8	1	0	I	6.54	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.99	26.53	25			0.167	0.177	6.12	
Nitrobenzene	1	0		6.00	53.96	50			0.366	0.394	7.92	
Isophorone	1	0		6.19	51.41	50			0.722	0.743	2.82	
2-Nitrophenol	1	0	CC	6.25	56.86	50	20		0.166	0.189	13.72	
2,4-Dimethylphenol	1	0		6.29	53.31	50			0.347	0.370	6.62	
Benzoic Acid	1	0		6.39	52.86	50			0.236	0.248	5.72	
bis(2-Chloroethoxy)methane	1	0		6.36	52.33	50			0.432	0.452	4.66	
2,4-Dichlorophenol	1	0	CC	6.44	51.32	50	20		0.271	0.278	2.64	
1,2,4-Trichlorobenzene	1	0		6.50	49.85	50			0.290	0.289	0.30	
Naphthalene	1	0		6.56	50.02	50			1.096	1.097	0.04	
4-Chloroaniline	1	0		6.60	56.23	50			0.341	0.438	12.46	
Hexachlorobutadiene	1	0	CC	6.65	48.78	50	20		0.131	0.128	2.44	
Caprolactam	1	0		6.88	54.63	50			0.132	0.145	9.26	
4-Chloro-3-methylphenol	1	0	CC	6.97	51.54	50	20		0.318	0.328	3.08	
2-Methylnaphthalene	1	0		7.08	50.70	50			0.689	0.698	1.40	
Methylnaphthalenes	1	0		7.08	50.70	50	20			0.698	1.40	
1,1'-Biphenyl	1	0		7.45	49.99	50			0.908	0.908	0.02	
Acenaphthene-d10	1	0	I	7.93	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.21	51.17	50			0.478	0.489	2.34	
Hexachlorocyclopentadiene	1	0	CP	7.20	44.26	50	0.05		0.206	0.211	11.48	
2,4,6-Trichlorophenol	1	0	CC	7.30	52.42	50	20		0.305	0.319	4.84	
2,4,5-Trichlorophenol	1	0		7.33	54.21	50			0.316	0.343	8.42	
2-Fluorobiphenyl	1	0	S	7.36	25.71	25			1.269	1.305	2.84	
2-Chloronaphthalene	1	0		7.46	51.66	50			1.104	1.141	3.32	
1,4-Dimethylnaphthalene	1	0		7.74	52.56	50			0.933	0.981	5.12	
Dimethylnaphthalenes	1	0		7.74	52.56	50	20			0.981	5.12	
Diphenyl Ether	1	0		7.53	50.96	50			0.900	0.917	1.92	
2-Nitroaniline	1	0		7.54	56.52	50			0.412	0.466	13.04	
Coumarin	1	0		7.72	51.87				0.492			
Acenaphthylene	1	0		7.81	52.02	50			1.863	1.938	4.04	
Dimethylphthalate	1	0		7.69	50.38	50			1.298	1.307	0.76	
2,6-Dinitrotoluene	1	0		7.74	54.81	50			0.263	0.288	9.62	
Acenaphthene	1	0	CC	7.95	51.21	50	20		1.189	1.218	2.42	
3-Nitroaniline	1	0		7.89	58.41	50			0.302	0.353	16.82	
2,4-Dinitrophenol	1	0	CP	7.98	69.35	50	0.05		0.089	0.121	38.70	
Dibenzofuran	1	0		8.10	50.75	50			1.613	1.638	1.50	
2,4-Dinitrotoluene	1	0		8.09	50.69	50			0.338	0.385	1.38	
4-Nitrophenol	1	0	CP	8.02	51.45	50	0.05		0.236	0.273	2.90	
2,3,4,6-Tetrachlorophenol	1	0		8.21	52.54	50			0.233	0.245	5.08	
Fluorene	1	0		8.42	51.86	50			1.332	1.381	3.72	
4-Chlorophenyl-phenylether	1	0		8.41	50.40	50			0.554	0.558	0.80	
Diethylphthalate	1	0		8.31	51.98	50			1.295	1.346	3.96	
4-Nitroaniline	1	0		8.44	54.33	50			0.361	0.392	8.66	
Atrazine	1	0		9.05	51.89	50			0.357	0.370	3.78	
Phenanthrene-d10	1	0	I	9.35	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.46	66.81	50			0.072	0.107	33.62	
n-Nitrosodiphenylamine	1	0	CC	8.53	52.45	50	20		0.690	0.724	4.90	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32365.D **Instrument:** GCMS 9

Cont Calibration Date/Time 2/17/2011 8:52:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.4.6-Tribromophenol	1	0	S	8.64	49.40	50			0.049	0.054	1.20	
1.2-Diphenylhydrazine	1	0		8.56	53.84	50			0.863	0.930	7.68	
4-Bromophenyl-phenylether	1	0		8.89	50.32	50			0.160	0.161	0.64	
Hexachlorobenzene	1	0		8.95	49.54	50			0.144	0.142	0.92	
N-Octadecane	1	0		9.24	58.42	50			0.635	0.742	16.84	
Pentachlorophenol	1	0	CC	9.15	53.08	50	20		0.090	0.097	6.16	
Phenanthrene	1	0		9.37	51.04	50			1.090	1.113	2.08	
Anthracene	1	0		9.43	52.10	50			1.102	1.148	4.20	
Carbazole	1	0		9.60	52.06	50			1.112	1.158	4.12	
Di-n-butylphthalate	1	0		9.99	54.37	50			1.302	1.416	8.74	
Fluoranthene	1	0	CC	10.68	52.48	50	20		1.106	1.161	4.96	
Chrysene-d12	1	0	I	12.37	40.00	40				0.000	0.00	
Pyrene	1	0		10.94	50.86	50			1.386	1.410	1.72	
Benzidine	1	0		10.85	53.94	50			0.483	0.649	7.88	
Terphenyl-d14	1	0	S	11.14	25.18	25			0.808	0.814	0.72	
p,p'-DDE	1	0		11.08	50.61				0.235			
p,p'-DDD	1	0		11.47	50.15				0.476			
Butylbenzylphthalate	1	0		11.74	53.98	50			0.699	0.754	7.96	
p,p'-DDT	1	0		11.83	48.05				0.299			
3,3'-Dichlorobenzidine	1	0		12.34	51.74	50			0.290	0.346	3.48	
Benzo[a]anthracene	1	0		12.36	50.81	50			1.165	1.184	1.62	
Chrysene	1	0		12.40	49.60	50			1.113	1.104	0.80	
bis(2-Ethylhexyl)phthalate	1	0		12.44	54.10	50			0.939	1.016	8.20	
Perylene-d12	1	0	I	13.97	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.19	48.91	50	20		1.898	2.063	2.18	
Benzo[b]fluoranthene	1	0		13.57	52.44	50			1.216	1.275	4.88	
Benzo[k]fluoranthene	1	0		13.60	47.88	50			1.160	1.111	4.24	
Benzo[a]pyrene	1	0	CC	13.91	51.08	50	20		1.115	1.139	2.16	
Indeno[1,2,3-cd]pyrene	1	0		15.13	55.08	50			1.077	1.186	10.16	
Dibenzo[a,h]anthracene	1	0		15.15	55.27	50			0.840	0.929	10.54	
Benzo[g,h,i]perylene	1	0		15.46	55.79	50			0.893	0.996	11.58	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.689	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.933	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32365.D Sam Mult : 1 Vial# : 2 Qt On : 02/17/11 09:09
Acq On : 02/17/11 08:52 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	85730	40.00	ng	-0.03
29) Naphthalene-d8	6.543	136	331118	40.00	ng	-0.04
47) Acenaphthene-d10	7.928	164	177026	40.00	ng	-0.04
74) Phenanthrene-d10	9.351	188	285751	40.00	ng	-0.04
88) Chrysene-d12	12.373	240	238098	40.00	ng	-0.05
100) Perylene-d12	13.966	264	205939	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.307	112	146437	52.49	ng	-0.02
Spiked Amount 100.000			Recovery = 52.49%			
15) Phenol-d5	5.227	99	200471	51.11	ng	-0.02
Spiked Amount 100.000			Recovery = 51.11%			
30) Nitrobenzene-d5	5.986	128	36653	26.53	ng	-0.03
Spiked Amount 50.000			Recovery = 53.06%			
52) 2-Fluorobiphenyl	7.361	172	144382	25.71	ng	-0.04
Spiked Amount 50.000			Recovery = 51.42%			
77) 2,4,6-Tribromophenol	8.645	330	19137	49.40	ng	-0.04
Spiked Amount 100.000			Recovery = 49.40%			
91) Terphenyl-d14	11.142	244	121099	25.18	ng	-0.05
Spiked Amount 50.000			Recovery = 50.36%			
Target Compounds						Qvalue
8) Pyridine	2.606	79	172189	51.23	ng	80
9) N-Nitrosodimethylamine	2.542	74	104415	52.36	ng	76
11) Benzaldehyde	5.141	77	79863	38.09	ng	80
12) Aniline	5.243	93	246462	55.14	ng	40
13) Pentachloroethane	5.280	117	51012	53.02	ng	91
14) bis(2-Chloroethyl)ether	5.307	93	160346	51.23	ng	85
16) Phenol	5.243	94	221200	51.21	ng	65
17) 2-Chlorophenol	5.350	128	158343	50.63	ng	83
18) N-Decane	5.403	57	210444	55.59	ng	88
19) 1,3-Dichlorobenzene	5.478	146	163971	50.62	ng	99
20) 1,4-Dichlorobenzene	5.542	146	164163	50.01	ng	97
21) 1,2-Dichlorobenzene	5.665	146	155537	50.42	ng	96
22) Benzyl alcohol	5.655	108	108310	50.67	ng	71
23) bis(2-chloroisopropyl)...	5.767	45	233980	51.91	ng	94
24) 2-Methylphenol	5.751	108	146501	50.64	ng	99
25) Acetophenone	5.869	105	229879	50.11	ng	65
26) Hexachloroethane	5.943	117	62192	51.80	ng	98
27) N-Nitroso-di-n-propyla...	5.869	70	119676	51.18	ng	73
28) 3&4-Methylphenol	5.879	108	151738	51.06	ng	97
31) Nitrobenzene	6.002	77	163275	53.96	ng	79
32) Isophorone	6.190	82	307394	51.41	ng	87
33) 2-Nitrophenol	6.248	139	78340	56.86	ng	89
34) 2,4-Dimethylphenol	6.291	107	153200	53.31	ng	91
35) Benzoic Acid	6.387	105	102826	52.86	ng	87
36) bis(2-Chloroethoxy)met...	6.361	93	187253	52.33	ng	96
37) 2,4-Dichlorophenol	6.441	162	114934	51.32	ng	91
38) 1,2,4-Trichlorobenzene	6.500	180	119593	49.85	ng	99
39) Naphthalene	6.559	128	454006	50.02	ng	100
40) 4-Chloroaniline	6.601	127	181420	56.23	ng	100
41) Hexachlorobutadiene	6.649	225	53070	48.78	ng	98
42) Caprolactam	6.880	113	59891	54.63	ng	70
43) 4-Chloro-3-methylphenol	6.965	107	135831	51.54	ng	87
44) 2-Methylnaphthalene	7.083	142	289106	50.70	ng	99
45) Methylnaphthalenes (To...	7.083	142	289106	50.70	ng	99
46) 1,1'-Biphenyl	7.446	154	375967	49.99	ng	95
48) 1,2,4,5-Tetrachloroben...	7.211	216	108146	51.17	ng	98
49) Hexachlorocyclopentadiene	7.200	237	46610	44.26	ng	98
50) 2,4,6-Trichlorophenol	7.302	196	70655	52.42	ng	97
51) 2,4,5-Trichlorophenol	7.334	196	75821	54.21	ng	98
53) 2-Chloronaphthalene	7.463	162	252524	51.66	ng	96
54) 1,4-Dimethylnaphthalene	7.735	156	217012	52.56	ng	90
55) Dimethylnaphthalenes (...	7.735	156	217012	52.56	ng	90
56) Diphenyl Ether	7.527	170	203002	50.96	ng	84
57) 2-Nitroaniline	7.543	65	103076	56.52	ng	62
58) Coumarin	7.719	146	112941	51.87	ng	78
59) Acenaphthylene	7.810	152	428841	52.02	ng	100
60) Dimethylphthalate	7.692	163	289287	50.38	ng	98
61) 2,6-Dinitrotoluene	7.741	165	63802	54.81	ng	70
62) Acenaphthene	7.955	153	269491	51.21	ng	96
63) 3-Nitroaniline	7.885	138	78074	58.41	ng	65
64) 2,4-Dinitrophenol	7.976	184	26825	69.35	ng	88
65) Dibenzofuran	8.104	168	362360	50.75	ng	89

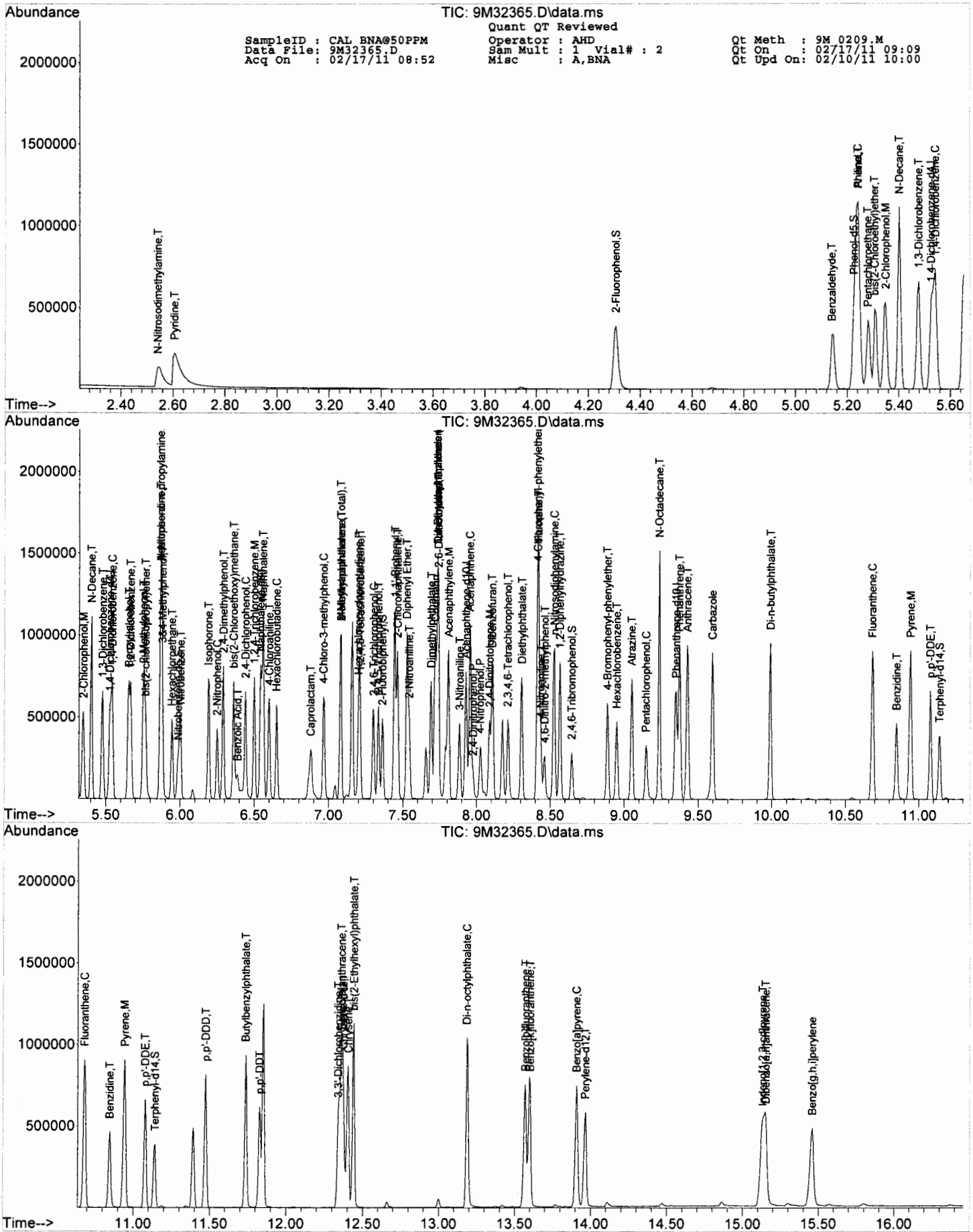
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32365.D Sam Mult : 1 Vial# : 2 Qt On : 02/17/11 09:09
Acq On : 02/17/11 08:52 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.088	165	85203	50.69	ng	68
67)	4-Nitrophenol	8.024	65	60455	51.45	ng	100
68)	2,3,4,6-Tetrachlorophenol	8.211	232	54126	52.54	ng	94
69)	Fluorene	8.420	166	305668	51.86	ng	98
70)	4-Chlorophenyl-phenyle...	8.415	204	123515	50.40	ng	94
71)	Diethylphthalate	8.308	149	297827	51.98	ng	97
72)	4-Nitroaniline	8.436	138	86804	54.33	ng	73
73)	Atrazine	9.051	200	81956	51.89	ng	97
75)	4,6-Dinitro-2-methylph...	8.463	198	38360	66.81	ng	49
76)	n-Nitrosodiphenylamine	8.527	169	258450	52.45	ng	98
78)	1,2-Diphenylhydrazine	8.564	77	332086	53.84	ng	85
79)	4-Bromophenyl-phenylether	8.885	248	57371	50.32	ng	90
80)	Hexachlorobenzene	8.949	284	50791	49.54	ng	90
81)	N-Octadecane	9.238	57	264979	58.42	ng	85
82)	Pentachlorophenol	9.147	266	34589	53.08	ng	100
83)	Phenanthrene	9.372	178	397542	51.04	ng	98
84)	Anthracene	9.425	178	410113	52.10	ng	99
85)	Carbazole	9.597	167	413530	52.06	ng	98
86)	Di-n-butylphthalate	9.992	149	505786	54.37	ng	97
87)	Fluoranthene	10.682	202	414656	52.48	ng	98
89)	Pyrene	10.944	202	419621	50.86	ng	97
90)	Benzidine	10.848	184	193135	53.94	ng	93
92)	p,p'-DDE	11.078	246	70938	50.61	ng	89
93)	p,p'-DDD	11.474	235	142073	50.15	ng	86
94)	Butylbenzylphthalate	11.736	149	224519	53.98	ng	81
95)	p,p'-DDT	11.827	235	104067	48.05	ng	91
96)	3,3'-Dichlorobenzidine	12.340	252	102954	51.74	ng	98
97)	Benzo[a]anthracene	12.362	228	352397	50.81	ng	99
98)	Chrysene	12.405	228	328682	49.60	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.442	149	302415	54.10	ng	93
101)	Di-n-octylphthalate	13.186	149	531019	48.91	ng	99
102)	Benzo[b]fluoranthene	13.571	252	328204	52.44	ng	99
103)	Benzo[k]fluoranthene	13.603	252	286031	47.88	ng	99
104)	Benzo[a]pyrene	13.908	252	293297	51.08	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.132	276	305274	55.08	ng	91
106)	Dibenzo[a,h]anthracene	15.154	278	239110	55.27	ng	95
107)	Benzo[g,h,i]perylene	15.459	276	256518	55.79	ng	91

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


Abundance
TIC: 9M32365.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32365.D
Acq On : 02/17/11 08:52
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/17/11 09:09
Qt Upd On: 02/10/11 10:00
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 9M32365.D\data.ms
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Benzyl alcohol,T
bis(2-Chloroethyl)ether,T
Nitrobenzene,T
Hexachloroethane,T
Isophorone,T
2-Nitrophenol,S
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,S
2-Fluorobiphenyl,S
2-Chloronaphthalene,T
2-Nitroaniline,T
Diphenyl Ether,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,6-Dinitrotoluene,M
2-Nitrophenol,P
2,4-Dinitrophenol,P
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32365.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
3,3'-Dichlorobenzidine,T
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64792.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/22/2011 7:57:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.42	40.00	40				0.000	0.00	
Pyridine	1	0		2.42	50.18	50			1.823	1.830	0.36	
N-Nitrosodimethylamine	1	0		2.37	51.34	50			1.089	1.118	2.68	
2-Fluorophenol	1	0	S	4.19	52.49	50			1.309	1.375	4.98	
Benzaldehyde	1	0		5.03	32.19	50			0.918	0.720	35.62	
Aniline	1	0		5.13	57.35	50			2.052	2.353	14.70	
Pentachloroethane	1	0		5.17	51.23	50			0.484	0.496	2.46	
bis(2-Chloroethyl)ether	1	0		5.20	50.40	50			1.516	1.528	0.80	
Phenol-d5	1	0	S	5.13	52.00	50			1.848	1.922	4.00	
Phenol	1	0	CC	5.14	54.36	50	20		2.144	2.332	8.72	
2-Chlorophenol	1	0		5.24	55.88	50			1.426	1.593	11.76	
N-Decane	1	0		5.30	53.59	50			2.017	2.162	7.18	
1,3-Dichlorobenzene	1	0		5.37	53.33	50			1.466	1.564	6.66	
1,4-Dichlorobenzene	1	0	CC	5.44	51.52	50	20		1.514	1.560	3.04	
1,2-Dichlorobenzene	1	0		5.56	53.24	50			1.404	1.495	6.48	
Benzyl alcohol	1	0		5.54	54.27	50			0.963	1.045	8.54	
bis(2-chloroisopropyl)ether	1	0		5.66	54.61	50			2.585	2.823	9.22	
2-Methylphenol	1	0		5.65	53.05	50			1.355	1.438	6.10	
Acetophenone	1	0		5.76	52.54	50			2.199	2.311	5.08	
Hexachloroethane	1	0		5.84	49.90	50			0.629	0.628	0.20	
N-Nitroso-di-n-propylamine	1	0	CP	5.76	53.18	50	0.05		1.158	1.232	6.36	
3&4-Methylphenol	1	0		5.78	52.65	50			1.495	1.575	5.30	
Naphthalene-d8	1	0	I	6.44	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.88	24.90	25			0.171	0.171	0.40	
Nitrobenzene	1	0		5.90	52.32	50			0.456	0.478	4.64	
Isophorone	1	0		6.09	51.57	50			0.820	0.846	3.14	
2-Nitrophenol	1	0	CC	6.15	57.36	50	20		0.187	0.215	14.72	
2,4-Dimethylphenol	1	0		6.19	58.64	50			0.377	0.443	17.28	
Benzoic Acid	1	0		6.27	54.36	50			0.226	0.240	8.72	
bis(2-Chloroethoxy)methane	1	0		6.26	51.61	50			0.471	0.486	3.22	
2,4-Dichlorophenol	1	0	CC	6.34	57.92	50	20		0.266	0.308	15.84	
1,2,4-Trichlorobenzene	1	0		6.40	52.10	50			0.294	0.307	4.20	
Naphthalene	1	0		6.46	51.70	50			1.084	1.121	3.40	
4-Chloroaniline	1	0		6.50	51.43	50			0.348	0.434	2.86	
Hexachlorobutadiene	1	0	CC	6.55	53.08	50	20		0.126	0.133	6.16	
Caprolactam	1	0		6.76	51.46	50			0.125	0.128	2.92	
4-Chloro-3-methylphenol	1	0	CC	6.87	57.09	50	20		0.342	0.391	14.18	
2-Methylnaphthalene	1	0		6.98	51.79	50			0.649	0.673	3.58	
Methylnaphthalenes	1	0		6.98	51.79	50	20			0.673	3.58	
1,1'-Biphenyl	1	0		7.34	53.05	50			0.837	0.888	6.10	
Acenaphthene-d10	1	0	I	7.82	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.11	52.74	50			0.484	0.511	5.48	
Hexachlorocyclopentadiene	1	0	CP	7.10	47.23	50	0.05		0.190	0.205	5.54	
2,4,6-Trichlorophenol	1	0	CC	7.20	59.44	50	20		0.307	0.365	18.88	
2,4,5-Trichlorophenol	1	0		7.23	51.69	50			0.345	0.357	3.38	
2-Fluorobiphenyl	1	0	S	7.26	24.89	25			1.263	1.258	0.44	
2-Chloronaphthalene	1	0		7.36	52.41	50			1.112	1.166	4.82	
1,4-Dimethylnaphthalene	1	0		7.63	53.83	50			0.870	0.936	7.66	
Dimethylnaphthalenes	1	0		7.63	53.83	50	20			0.936	7.66	
Diphenyl Ether	1	0		7.42	53.76	50			0.836	0.899	7.52	
2-Nitroaniline	1	0		7.44	52.28	50			0.599	0.626	4.56	
Coumarin	1	0		7.61	54.49				0.476			
Acenaphthylene	1	0		7.70	52.66	50			1.875	1.975	5.32	
Dimethylphthalate	1	0		7.59	50.55	50			1.274	1.288	1.10	
2,6-Dinitrotoluene	1	0		7.64	51.98	50			0.279	0.290	3.96	
Acenaphthene	1	0	CC	7.85	51.87	50	20		1.163	1.206	3.74	
3-Nitroaniline	1	0		7.78	58.15	50			0.322	0.375	16.30	
2,4-Dinitrophenol	1	0	CP	7.87	59.01	50	0.05		0.131	0.151	18.02	
Dibenzofuran	1	0		8.00	52.38	50			1.576	1.652	4.76	
2,4-Dinitrotoluene	1	0		7.98	54.31	50			0.368	0.400	8.62	
4-Nitrophenol	1	0	CP	7.93	60.17	50	0.05		0.330	0.397	20.34	
2,3,4,6-Tetrachlorophenol	1	0		8.11	50.58	50			0.237	0.254	1.16	
Fluorene	1	0		8.31	54.97	50			1.216	1.337	9.94	
4-Chlorophenyl-phenylether	1	0		8.31	55.58	50			0.493	0.548	11.16	
Diethylphthalate	1	0		8.20	51.72	50			1.328	1.374	3.44	
4-Nitroaniline	1	0		8.32	52.17	50			0.377	0.394	4.34	
Atrazine	1	0		8.94	50.74	50			0.331	0.336	1.48	
Phenanthrene-d10	1	0	I	9.24	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.35	55.97	50			0.103	0.127	11.94	
n-Nitrosodiphenylamine	1	0	CC	8.42	51.88	50	20		0.633	0.657	3.76	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64792.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/22/2011 7:57:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.54	48.34	50			0.054	0.056	3.32	
1,2-Diphenylhydrazine	1	0		8.46	52.58	50			1.096	1.153	5.16	
4-Bromophenyl-phenylether	1	0		8.78	52.99	50			0.149	0.158	5.98	
Hexachlorobenzene	1	0		8.84	52.62	50			0.144	0.151	5.24	
N-Octadecane	1	0		9.13	54.57	50			0.715	0.780	9.14	
Pentachlorophenol	1	0	CC	9.04	59.54	50	20		0.076	0.092	19.08	
Phenanthrene	1	0		9.26	52.21	50			1.075	1.122	4.42	
Anthracene	1	0		9.32	52.89	50			1.087	1.150	5.78	
Carbazole	1	0		9.49	54.18	50			1.061	1.150	8.36	
Di-n-butylphthalate	1	0		9.88	52.55	50			1.335	1.403	5.10	
Fluoranthene	1	0	CC	10.57	53.20	50	20		1.063	1.131	6.40	
Chrysene-d12	1	0	I	12.26	40.00	40				0.000	0.00	
Pyrene	1	0		10.83	49.98	50			1.427	1.426	0.04	
Benzidine	1	0		10.74	47.29	50			0.477	0.617	5.42	
Terphenyl-d14	1	0	S	11.03	23.96	25			0.791	0.758	4.16	
4,4'-DDE	1	0		10.97	49.18				0.237			
4,4'-DDD	1	0		11.37	49.87				0.462			
Butylbenzylphthalate	1	0		11.63	49.23	50			0.752	0.741	1.54	
4,4'-DDT	1	0		11.72	53.75				0.371			
3,3'-Dichlorobenzidine	1	0		12.23	55.74	50			0.285	0.354	11.48	
Benzo[a]anthracene	1	0		12.24	51.28	50			1.137	1.166	2.56	
Chrysene	1	0		12.29	49.80	50			1.122	1.117	0.40	
bis(2-Ethylhexyl)phthalate	1	0		12.33	48.36	50			1.045	1.011	3.28	
Perylene-d12	1	0	I	13.85	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.09	42.78	50	20		1.993	1.878	14.44	
Benzo[b]fluoranthene	1	0		13.46	50.55	50			1.161	1.173	1.10	
Benzo[k]fluoranthene	1	0		13.48	49.74	50			1.152	1.146	0.52	
Benzo[a]pyrene	1	0	CC	13.79	51.92	50	20		1.095	1.137	3.84	
Indeno[1,2,3-cd]pyrene	1	0		14.98	51.01	50			0.996	1.017	2.02	
Dibenzo[a,h]anthracene	1	0		15.01	51.80	50			0.826	0.856	3.60	
Benzo[g,h,i]perylene	1	0		15.30	52.56	50			0.846	0.889	5.12	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64792.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 08:17
Acq On : 02/22/11 07:57 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.421	152	56591	40.00	ng	-0.03
29) Naphthalene-d8	6.442	136	219925	40.00	ng	-0.03
47) Acenaphthene-d10	7.820	164	117222	40.00	ng	-0.03
74) Phenanthrene-d10	9.236	188	195487	40.00	ng	-0.04
88) Chrysene-d12	12.259	240	159000	40.00	ng	-0.04
100) Perylene-d12	13.851	264	135419	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.193	112	97241	52.49	ng	-0.04
Spiked Amount 100.000			Recovery = 52.49%			
15) Phenol-d5	5.128	99	135971	52.00	ng	-0.04
Spiked Amount 100.000			Recovery = 52.00%			
30) Nitrobenzene-d5	5.881	128	23447	24.90	ng	-0.03
Spiked Amount 50.000			Recovery = 49.80%			
52) 2-Fluorobiphenyl	7.259	172	92131	24.89	ng	-0.03
Spiked Amount 50.000			Recovery = 49.78%			
77) 2,4,6-Tribromophenol	8.536	330	13743	48.34	ng	-0.04
Spiked Amount 100.000			Recovery = 48.34%			
91) Terphenyl-d14	11.031	244	75290	23.96	ng	-0.04
Spiked Amount 50.000			Recovery = 47.92%			
Target Compounds						Qvalue
8) Pyridine	2.424	79	129444	50.18	ng	88
9) N-Nitrosodimethylamine	2.366	74	79112	51.34	ng	86
11) Benzaldehyde	5.031	77	50938	32.19	ng	87
12) Aniline	5.133	93	166465	57.35	ng	80
13) Pentachloroethane	5.170	117	35064	51.23	ng	93
14) bis(2-Chloroethyl)ether	5.202	93	108107	50.40	ng	90
16) Phenol	5.138	94	164928	54.36	ng	81
17) 2-Chlorophenol	5.240	128	112702	55.88	ng	92
18) N-Decane	5.299	57	152945	53.59	ng	94
19) 1,3-Dichlorobenzene	5.368	146	110603	53.33	ng	98
20) 1,4-Dichlorobenzene	5.437	146	110344	51.52	ng	99
21) 1,2-Dichlorobenzene	5.560	146	105763	53.24	ng	97
22) Benzyl alcohol	5.544	108	73932	54.27	ng	84
23) bis(2-chloroisopropyl)...	5.662	45	199678	54.61	ng	100
24) 2-Methylphenol	5.651	108	101722	53.05	ng	98
25) Acetophenone	5.758	105	163468	52.54	ng	72
26) Hexachloroethane	5.838	117	44421	49.90	ng	94
27) N-Nitroso-di-n-propyla...	5.763	70	87123	53.18	ng	90
28) 3&4-Methylphenol	5.779	108	111398	52.65	ng	99
31) Nitrobenzene	5.897	77	131317	52.32	ng	89
32) Isophorone	6.089	82	232620	51.57	ng	96
33) 2-Nitrophenol	6.148	139	58998	57.36	ng	87
34) 2,4-Dimethylphenol	6.191	107	121656	58.64	ng	95
35) Benzoic Acid	6.271	105	66005m	54.36	ng	
36) bis(2-Chloroethoxy)met...	6.260	93	133607	51.61	ng	99
37) 2,4-Dichlorophenol	6.340	162	84620	57.92	ng	94
38) 1,2,4-Trichlorobenzene	6.399	180	84337	52.10	ng	99
39) Naphthalene	6.458	128	308173	51.70	ng	100
40) 4-Chloroaniline	6.501	127	119317	51.43	ng	98
41) Hexachlorobutadiene	6.554	225	36665	53.08	ng	97
42) Caprolactam	6.762	113	35264	51.46	ng	67
43) 4-Chloro-3-methylphenol	6.869	107	107470	57.09	ng	97
44) 2-Methylnaphthalene	6.981	142	184926	51.79	ng	98
45) Methylnaphthalenes (To...	6.981	142	184926	51.79	ng	98
46) 1,1'-Biphenyl	7.339	154	244246	53.05	ng	99
48) 1,2,4,5-Tetrachloroben...	7.110	216	74824	52.74	ng	99
49) Hexachlorocyclopentadiene	7.099	237	30079	47.23	ng	96
50) 2,4,6-Trichlorophenol	7.200	196	53493	59.44	ng	98
51) 2,4,5-Trichlorophenol	7.232	196	52330	51.69	ng	96
53) 2-Chloronaphthalene	7.361	162	170814	52.41	ng	96
54) 1,4-Dimethylnaphthalene	7.628	156	137190	53.83	ng	97
55) Dimethylnaphthalenes (...	7.628	156	137190	53.83	ng	97
56) Diphenyl Ether	7.425	170	131687	53.76	ng	91
57) 2-Nitroaniline	7.441	65	91756	52.28	ng	77
58) Coumarin	7.612	146	76020	54.49	ng	86
59) Acenaphthylene	7.703	152	289355	52.66	ng	100
60) Dimethylphthalate	7.585	163	188657	50.55	ng	99
61) 2,6-Dinitrotoluene	7.638	165	42440	51.98	ng	78
62) Acenaphthene	7.847	153	176716	51.87	ng	95
63) 3-Nitroaniline	7.777	138	54947	58.15	ng	34
64) 2,4-Dinitrophenol	7.868	184	22113	59.01	ng	63
65) Dibenzofuran	7.996	168	242002	52.38	ng	92

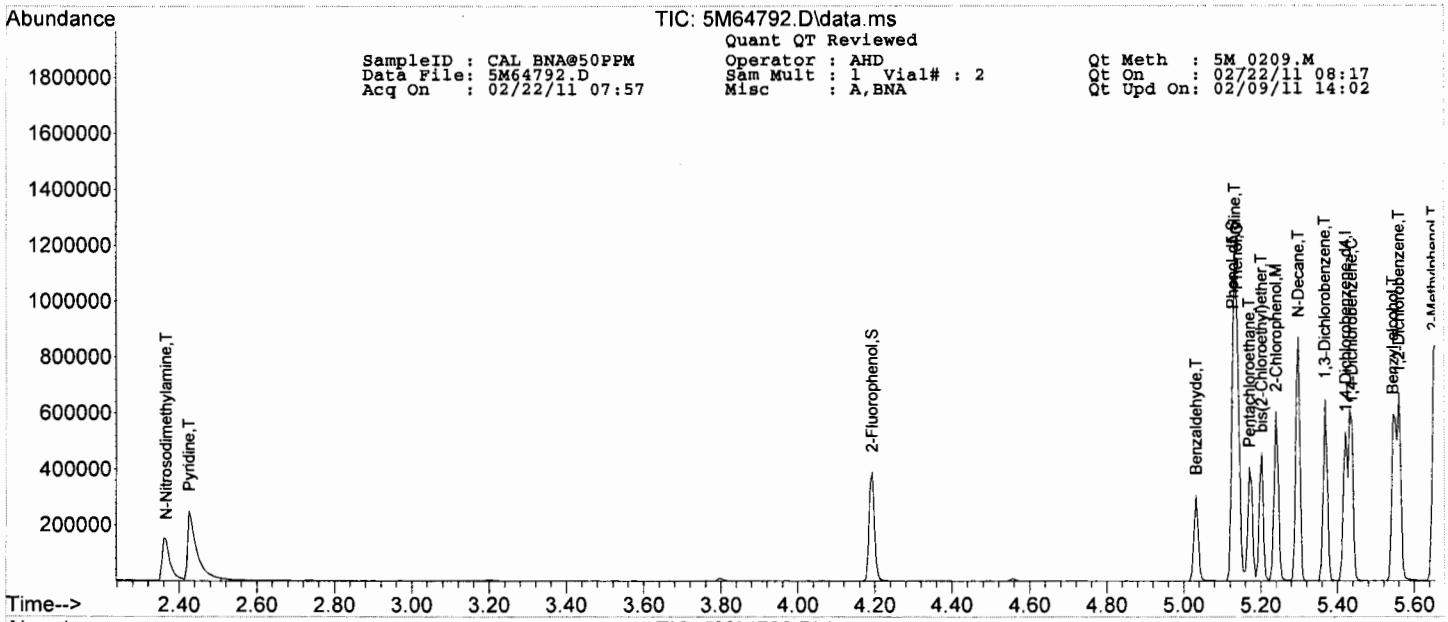
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64792.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 08:17
Acq On : 02/22/11 07:57 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.980	165	58559	54.31	ng	93
67) 4-Nitrophenol	7.932	65	58227	60.17	ng	94
68) 2,3,4,6-Tetrachlorophenol	8.109	232	37210	50.58	ng	98
69) Fluorene	8.312	166	195930	54.97	ng	98
70) 4-Chlorophenyl-phenyle...	8.306	204	80241	55.58	ng	100
71) Diethylphthalate	8.199	149	201345	51.72	ng	100
72) 4-Nitroaniline	8.322	138	57662	52.17	ng	97
73) Atrazine	8.942	200	49201	50.74	ng	98
75) 4,6-Dinitro-2-methylph...	8.354	198	31123	55.97	ng	36
76) n-Nitrosodiphenylamine	8.418	169	160425	51.88	ng	98
78) 1,2-Diphenylhydrazine	8.456	77	281647	52.58	ng	99
79) 4-Bromophenyl-phenylether	8.776	248	38679	52.99	ng	91
80) Hexachlorobenzene	8.840	284	36907	52.62	ng	90
81) N-Octadecane	9.129	57	190688	54.57	ng	96
82) Pentachlorophenol	9.038	266	22363	59.54	ng	99
83) Phenanthrene	9.262	178	274250	52.21	ng	98
84) Anthracene	9.316	178	281101	52.89	ng	100
85) Carbazole	9.487	167	280993	54.18	ng	97
86) Di-n-butylphthalate	9.882	149	342890	52.55	ng	99
87) Fluoranthene	10.571	202	276391	53.20	ng	95
89) Pyrene	10.828	202	283463	49.98	ng	95
90) Benzidine	10.737	184	122606	47.29	ng	98
92) 4,4'-DDE	10.972	246	46237	49.18	ng	87
93) 4,4'-DDD	11.367	235	91528	49.87	ng	81
94) Butylbenzylphthalate	11.629	149	147251	49.23	ng	89
95) 4,4'-DDT	11.720	235	85287	53.75	ng	82
96) 3,3'-Dichlorobenzidine	12.233	252	70264	55.74	ng	98
97) Benzo[a]anthracene	12.243	228	231743	51.28	ng	98
98) Chrysene	12.286	228	222103	49.80	ng	98
99) bis(2-Ethylhexyl)phtha...	12.334	149	200986	48.36	ng	99
101) Di-n-octylphthalate	13.088	149	317853	42.78	ng	99
102) Benzo[b]fluoranthene	13.456	252	198605	50.55	ng	97
103) Benzo[k]fluoranthene	13.483	252	193924	49.74	ng	96
104) Benzo[a]pyrene	13.793	252	192434	51.92	ng	97
105) Indeno[1,2,3-cd]pyrene	14.984	276	172074	51.01	ng	72
106) Dibenzo[a,h]anthracene	15.011	278	144910	51.80	ng	92
107) Benzo[g,h,i]perylene	15.305	276	150448	52.56	ng	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed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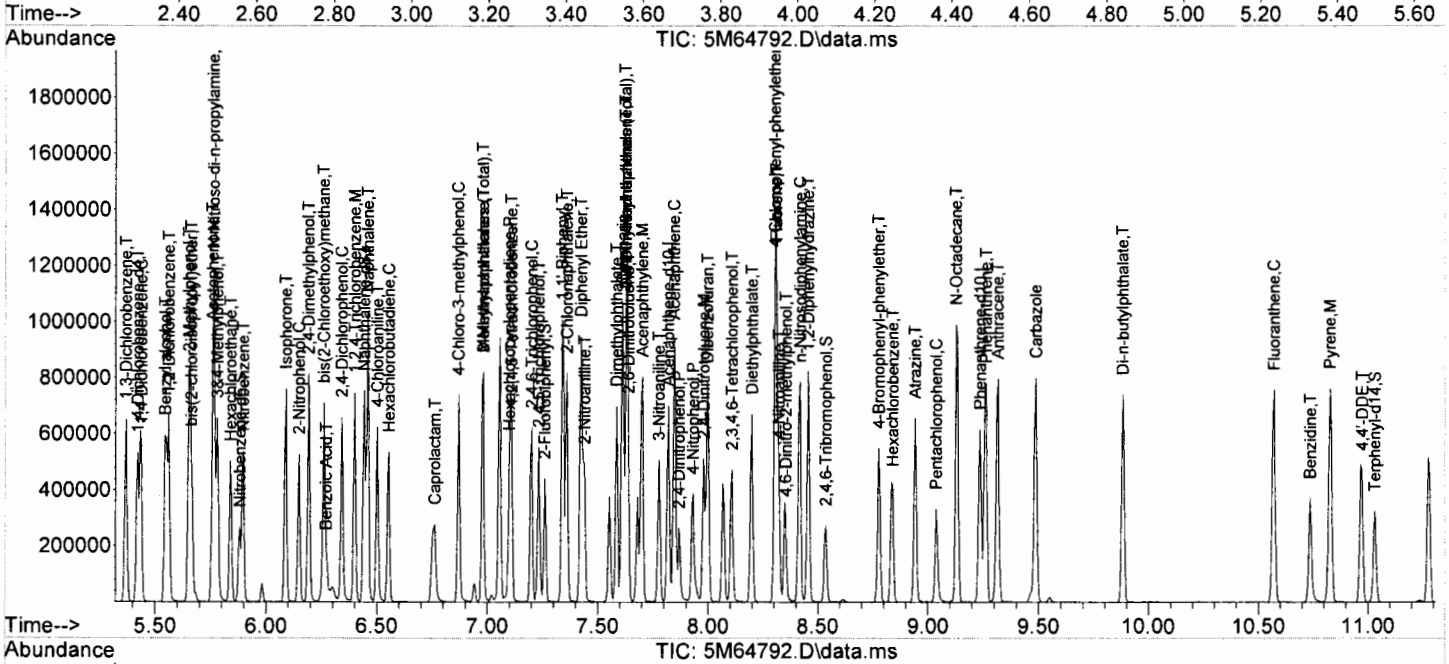
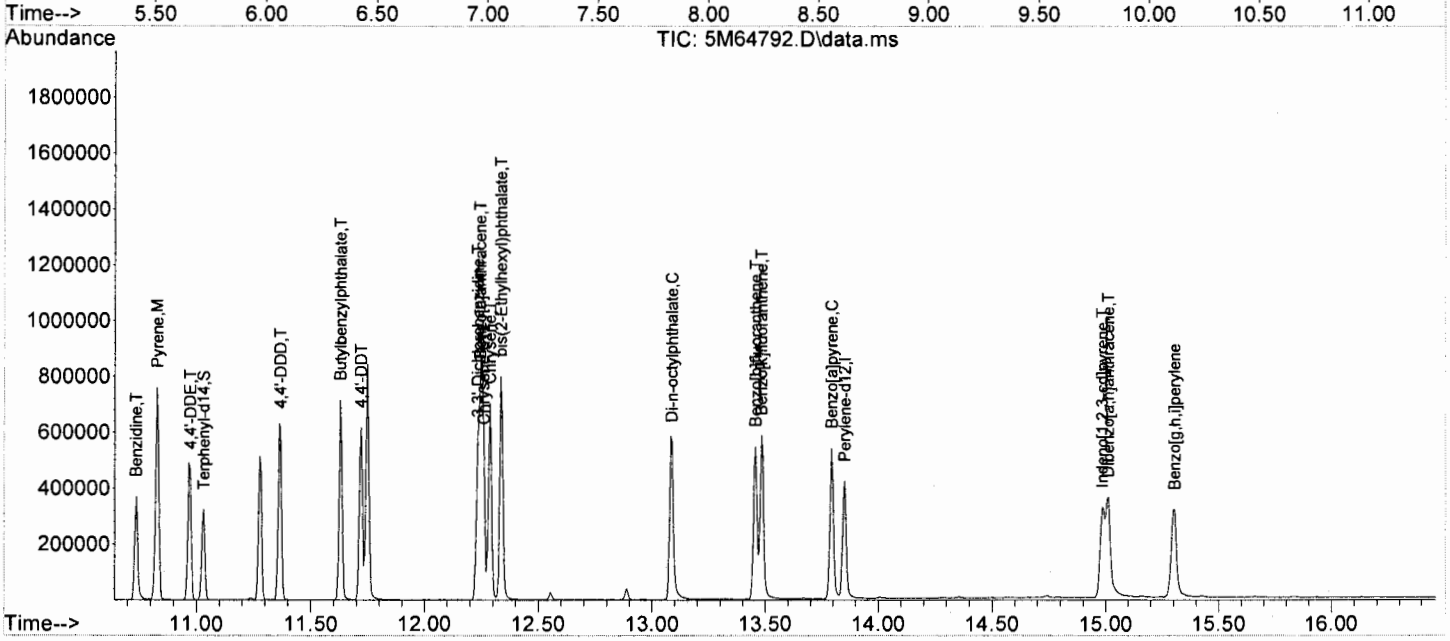
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64792.D
Acq On : 02/22/11 07:57
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02722/11 08:17
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Benzyl alcohol,T
2-Methylphenol,T
Time-->


Abundance
TIC: 5M64792.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,C
4-Chloroaniline,T
Hexachlorobutadiene,C
Acenaphthylene,M
3-Nitroaniline,T
2,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
2,4,6-Tribromophenol,S
Time-->


Abundance
TIC: 5M64792.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19509.D **Instrument:** GCMS 10

Cont Calibration Date/Time 2/22/2011 8:56:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.65	40.00	40				0.000	0.00	
Pyridine	1	0		2.83	48.61	50			1.588	1.543	2.78	
N-Nitrosodimethylamine	1	0		2.75	47.26	50			0.969	0.916	5.48	
2-Fluorophenol	1	0	S	4.45	48.83	50			1.370	1.338	2.34	
Benzaldehyde	1	0		5.27	30.45	50			1.014	0.617	39.10	
Aniline	1	0		5.37	51.84	50			2.006	2.080	3.68	
Pentachloroethane	1	0		5.41	49.19	50			0.496	0.488	1.62	
bis(2-Chloroethyl)ether	1	0		5.43	49.97	50			1.409	1.408	0.06	
Phenol-d5	1	0	S	5.34	47.29	50			1.751	1.656	5.42	
Phenol	1	0	CC	5.36	48.06	50	20		1.966	1.890	3.88	
2-Chlorophenol	1	0		5.47	49.02	50			1.402	1.375	1.96	
N-Decane	1	0		5.52	51.25	50			2.225	2.281	2.50	
1,3-Dichlorobenzene	1	0		5.60	49.77	50			1.502	1.495	0.46	
1,4-Dichlorobenzene	1	0	CC	5.67	50.63	50	20		1.508	1.527	1.26	
1,2-Dichlorobenzene	1	0		5.79	49.32	50			1.450	1.430	1.36	
Benzyl alcohol	1	0		5.77	49.06	50			0.966	0.948	1.88	
bis(2-chloroisopropyl)ether	1	0		5.88	50.30	50			3.202	3.221	0.60	
2-Methylphenol	1	0		5.86	49.14	50			1.347	1.324	1.72	
Acetophenone	1	0		5.99	48.67	50			2.053	1.998	2.66	
Hexachloroethane	1	0		6.07	48.38	50			0.636	0.615	3.24	
N-Nitroso-di-n-propylamine	1	0	CP	5.99	46.83	50	0.05		1.037	0.971	6.34	
3&4-Methylphenol	1	0		5.99	48.49	50			1.319	1.279	3.02	
Naphthalene-d8	1	0	I	6.66	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.10	25.16	25			0.165	0.166	0.64	
Nitrobenzene	1	0		6.12	49.06	50			0.397	0.389	1.88	
Isophorone	1	0		6.31	49.21	50			0.707	0.696	1.58	
2-Nitrophenol	1	0	CC	6.37	47.95	50	20		0.187	0.179	4.10	
2,4-Dimethylphenol	1	0		6.40	51.07	50			0.355	0.363	2.14	
Benzoic Acid	1	0		6.47	37.83	50			0.256	0.184	24.34	
bis(2-Chloroethoxy)methane	1	0		6.47	52.10	50			0.419	0.437	4.20	
2,4-Dichlorophenol	1	0	CC	6.55	51.48	50	20		0.271	0.279	2.96	
1,2,4-Trichlorobenzene	1	0		6.62	53.26	50			0.293	0.313	6.52	
Naphthalene	1	0		6.68	51.91	50			1.016	1.054	3.82	
4-Chloroaniline	1	0		6.71	56.89	50			0.324	0.419	13.78	
Hexachlorobutadiene	1	0	CC	6.77	52.80	50	20		0.137	0.145	5.60	
Caprolactam	1	0		6.98	47.67	50			0.124	0.119	4.66	
4-Chloro-3-methylphenol	1	0	CC	7.08	51.24	50	20		0.311	0.319	2.48	
2-Methylnaphthalene	1	0		7.21	50.31	50			0.651	0.655	0.62	
Methylnaphthalenes	1	0		7.21	50.62	50	20			0.659	1.24	
1,1'-Biphenyl	1	0		7.57	50.90	50			0.820	0.835	1.80	
Acenaphthene-d10	1	0	I	8.06	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.33	51.80	50			0.472	0.489	3.60	
Hexachlorocyclopentadiene	1	0	CP	7.32	51.73	50	0.05		0.241	0.250	3.46	
2,4,6-Trichlorophenol	1	0	CC	7.42	51.51	50	20		0.316	0.325	3.02	
2,4,5-Trichlorophenol	1	0		7.45	52.01	50			0.344	0.358	4.02	
2-Fluorobiphenyl	1	0	S	7.49	25.23	25			1.224	1.236	0.92	
2-Chloronaphthalene	1	0		7.59	50.96	50			1.117	1.138	1.92	
1,4-Dimethylnaphthalene	1	0		7.87	52.53	50			0.827	0.868	5.06	
Dimethylnaphthalenes	1	0		7.87	52.53	50	20			0.868	5.06	
Diphenyl Ether	1	0		7.66	50.03	50			0.836	0.837	0.06	
2-Nitroaniline	1	0		7.67	49.05	50			0.493	0.484	1.90	
Coumarin	1	0		7.85	52.91				0.475			
Acenaphthylene	1	0		7.94	51.25	50			1.758	1.801	2.50	
Dimethylphthalate	1	0		7.82	50.70	50			1.279	1.296	1.40	
2,6-Dinitrotoluene	1	0		7.87	52.79	50			0.268	0.283	5.58	
Acenaphthene	1	0	CC	8.09	51.01	50	20		1.081	1.103	2.02	
3-Nitroaniline	1	0		8.01	56.70	50			0.323	0.367	13.40	
2,4-Dinitrophenol	1	0	CP	8.10	37.04	50	0.05		0.143	0.113	25.92	
Dibenzofuran	1	0		8.24	50.21	50			1.557	1.563	0.42	
2,4-Dinitrotoluene	1	0		8.22	50.04	50			0.383	0.384	0.08	
4-Nitrophenol	1	0	CP	8.14	41.80	50	0.05		0.306	0.277	16.40	
2,3,4,6-Tetrachlorophenol	1	0		8.35	52.62	50			0.241	0.254	5.24	
Fluorene	1	0		8.56	50.67	50			1.245	1.262	1.34	
4-Chlorophenyl-phenylether	1	0		8.55	52.72	50			0.517	0.545	5.44	
Diethylphthalate	1	0		8.44	50.37	50			1.289	1.298	0.74	
4-Nitroaniline	1	0		8.56	49.96	50			0.374	0.373	0.08	
Atrazine	1	0		9.19	49.79	50			0.337	0.335	0.42	
Phenanthrene-d10	1	0	I	9.50	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.60	42.21	50			0.114	0.110	15.58	
n-Nitrosodiphenylamine	1	0	CC	8.66	52.20	50	20		0.660	0.689	4.40	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19509.D **Instrument:** GCMS 10

Cont Calibration Date/Time 2/22/2011 8:56:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.4.6-Tribromophenol	1	0	S	8.79	48.74	50			0.071	0.070	2.52	
1.2-Diphenylhydrazine	1	0		8.70	49.47	50			0.961	0.951	1.06	
4-Bromophenyl-phenylether	1	0		9.03	50.61	50			0.168	0.170	1.22	
Hexachlorobenzene	1	0		9.09	49.88	50			0.163	0.163	0.24	
N-Octadecane	1	0		9.37	54.32	50			0.788	0.857	8.64	
Pentachlorophenol	1	0	CC	9.29	44.92	50	20		0.105	0.095	10.16	
Phenanthrene	1	0		9.52	51.20	50			1.075	1.101	2.40	
Anthracene	1	0		9.58	50.85	50			1.101	1.120	1.70	
Carbazole	1	0		9.75	49.42	50			1.124	1.111	1.16	
Di-n-butylphthalate	1	0		10.13	52.72	50			1.370	1.444	5.44	
Fluoranthene	1	0	CC	10.84	50.74	50	20		1.145	1.161	1.48	
Chrysene-d12	1	0	I	12.53	40.00	40				0.000	0.00	
Pyrene	1	0		11.10	52.16	50			1.328	1.386	4.32	
Benzidine	1	0		11.00	38.58	50			0.533	0.526	22.84	
Terphenyl-d14	1	0	S	11.29	26.10	25			0.789	0.824	4.40	
4.4'-DDE	1	0		11.23	51.74				0.236			
4.4'-DDD	1	0		11.62	53.51				0.450			
Butylbenzylphthalate	1	0		11.89	50.09	50			0.691	0.692	0.18	
4.4'-DDT	1	0		11.98	51.52				0.350			
3.3'-Dichlorobenzidine	1	0		12.50	48.38	50			0.297	0.335	3.24	
Benzo[a]anthracene	1	0		12.52	51.54	50			1.113	1.148	3.08	
Chrysene	1	0		12.56	53.74	50			1.067	1.147	7.48	
bis(2-Ethylhexyl)phthalate	1	0		12.58	53.21	50			0.902	0.960	6.42	
Perylene-d12	1	0	I	14.12	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.32	47.27	50	20		1.698	1.690	5.46	
Benzo[b]fluoranthene	1	0		13.73	52.74	50			1.084	1.143	5.48	
Benzo[k]fluoranthene	1	0		13.75	56.54	50			1.077	1.217	13.08	
Benzo[a]pyrene	1	0	CC	14.06	53.38	50	20		1.056	1.127	6.76	
Indeno[1.2.3-cd]pyrene	1	0		15.35	50.13	50			1.107	1.110	0.26	
Dibenzo[a,h]anthracene	1	0		15.37	49.78	50			0.898	0.894	0.44	
Benzo[g,h,i]perylene	1	0		15.69	49.30	50			0.953	0.940	1.40	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.827	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
2.2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.651	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19509.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 09:13
Acq On : 02/22/11 08:56 Misc : A,BNA Qt Upd On: 02/11/11 14:13

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.655	152	71766	40.00	ng	-0.03
29) Naphthalene-d8	6.660	136	275965	40.00	ng	-0.03
47) Acenaphthene-d10	8.062	164	150556	40.00	ng	-0.04
74) Phenanthrene-d10	9.500	188	239636	40.00	ng	-0.04
88) Chrysene-d12	12.528	240	208302	40.00	ng	-0.04
100) Perylene-d12	14.122	264	191464	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.446	112	120037	48.83	ng	-0.03
Spiked Amount 100.000			Recovery = 48.83%			
15) Phenol-d5	5.339	99	148550	47.29	ng	-0.03
Spiked Amount 100.000			Recovery = 47.29%			
30) Nitrobenzene-d5	6.104	128	28697	25.16	ng	-0.03
Spiked Amount 50.000			Recovery = 50.32%			
52) 2-Fluorobiphenyl	7.489	172	116282	25.23	ng	-0.03
Spiked Amount 50.000			Recovery = 50.46%			
77) 2,4,6-Tribromophenol	8.789	330	20852	48.74	ng	-0.04
Spiked Amount 100.000			Recovery = 48.74%			
91) Terphenyl-d14	11.292	244	107277	26.10	ng	-0.04
Spiked Amount 50.000			Recovery = 52.20%			
Target Compounds						Qvalue
8) Pyridine	2.825	79	138449	48.61	ng	92
9) N-Nitrosodimethylamine	2.750	74	82176	47.26	ng	98
11) Benzaldehyde	5.275	77	55375	30.45	ng	75
12) Aniline	5.371	93	186578	51.84	ng	76
13) Pentachloroethane	5.414	117	43794	49.19	ng	88
14) bis(2-Chloroethyl)ether	5.430	93	126322	49.97	ng	95
16) Phenol	5.355	94	169553	48.06	ng	90
17) 2-Chlorophenol	5.473	128	123344	49.02	ng	88
18) N-Decane	5.521	57	204642	51.25	ng	94
19) 1,3-Dichlorobenzene	5.601	146	134147	49.77	ng	99
20) 1,4-Dichlorobenzene	5.665	146	137019	50.63	ng	98
21) 1,2-Dichlorobenzene	5.794	146	128310	49.32	ng	97
22) Benzyl alcohol	5.772	108	85050	49.06	ng	70
23) bis(2-chloroisopropyl)...	5.885	45	288938	50.30	ng	92
24) 2-Methylphenol	5.863	108	118732	49.14	ng	94
25) Acetophenone	5.986	105	179234	48.67	ng	82
26) Hexachloroethane	6.067	117	55184	48.38	ng	99
27) N-Nitroso-di-n-propyla...	5.986	70	87107	46.83	ng	96
28) 3&4-Methylphenol	5.986	108	114779	48.49	ng	100
31) Nitrobenzene	6.120	77	134240	49.06	ng	84
32) Isophorone	6.307	82	240013	49.21	ng	88
33) 2-Nitrophenol	6.366	139	61808	47.95	ng	88
34) 2,4-Dimethylphenol	6.398	107	125073	51.07	ng	99
35) Benzoic Acid	6.468	105	63506	37.83	ng	89
36) bis(2-Chloroethoxy)met...	6.473	93	150727	52.10	ng	97
37) 2,4-Dichlorophenol	6.553	162	96389	51.48	ng	88
38) 1,2,4-Trichlorobenzene	6.617	180	107824	53.26	ng	98
39) Naphthalene	6.676	128	363693	51.91	ng	99
40) 4-Chloroaniline	6.714	127	144594	56.89	ng	88
41) Hexachlorobutadiene	6.767	225	50009	52.80	ng	97
42) Caprolactam	6.976	113	40932	47.67	ng	64
43) 4-Chloro-3-methylphenol	7.077	107	109972	51.24	ng	83
44) 2-Methylnaphthalene	7.206	142	225978	50.31	ng	99
45) Methylnaphthalenes (To...	7.206	142	227402	50.62	ng	99
46) 1,1'-Biphenyl	7.569	154	287894	50.90	ng	96
48) 1,2,4,5-Tetrachloroben...	7.334	216	91977	51.80	ng	97
49) Hexachlorocyclopentadiene	7.323	237	46960	51.73	ng	99
50) 2,4,6-Trichlorophenol	7.420	196	61199	51.51	ng	98
51) 2,4,5-Trichlorophenol	7.452	196	67327	52.01	ng	99
53) 2-Chloronaphthalene	7.591	162	214248	50.96	ng	95
54) 1,4-Dimethylnaphthalene	7.869	156	163441	52.53	ng	93
55) Dimethylnaphthalenes (...	7.869	156	163441	52.53	ng	93
56) Diphenyl Ether	7.655	170	157511	50.03	ng	84
57) 2-Nitroaniline	7.671	65	91003	49.05	ng	68
58) Coumarin	7.848	146	94642	52.91	ng	68
59) Acenaphthylene	7.944	152	339021	51.25	ng	100
60) Dimethylphthalate	7.816	163	243994	50.70	ng	99
61) 2,6-Dinitrotoluene	7.869	165	53186	52.79	ng	72
62) Acenaphthene	8.094	153	207541	51.01	ng	97
63) 3-Nitroaniline	8.013	138	69020	56.70	ng	79
64) 2,4-Dinitrophenol	8.104	184	21233	37.04	ng	55
65) Dibenzofuran	8.243	168	294182	50.21	ng	90

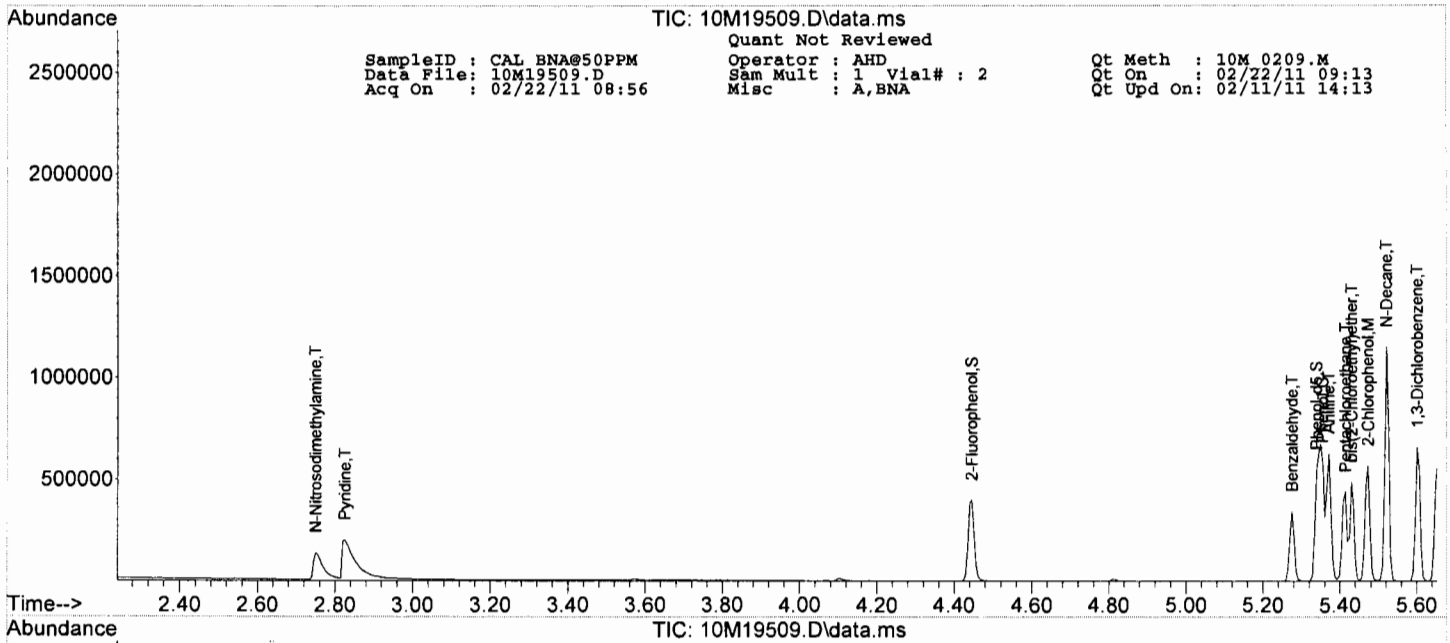
Quantitation Report (Not Reviewed)

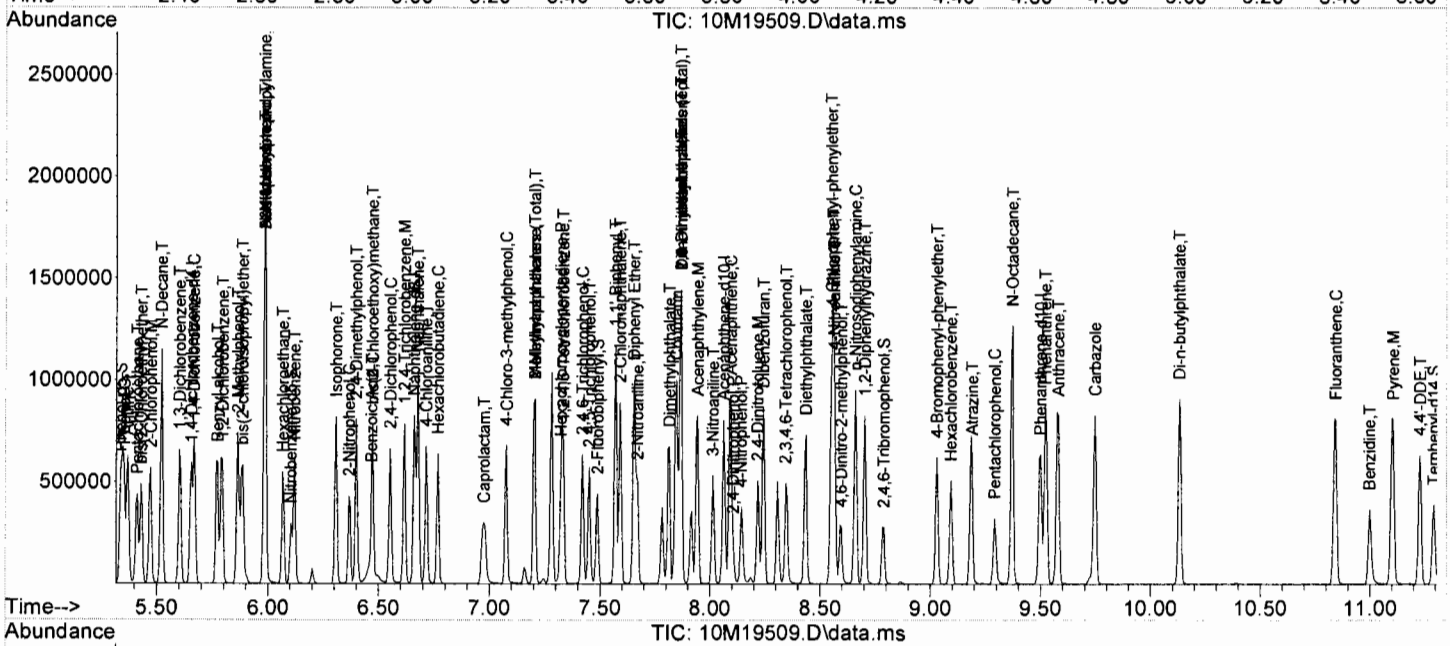
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19509.D Sam Mult : 1 Vial# : 2 Qt On : 02/22/11 09:13
Acq On : 02/22/11 08:56 Misc : A,BNA Qt Upd On: 02/11/11 14:13

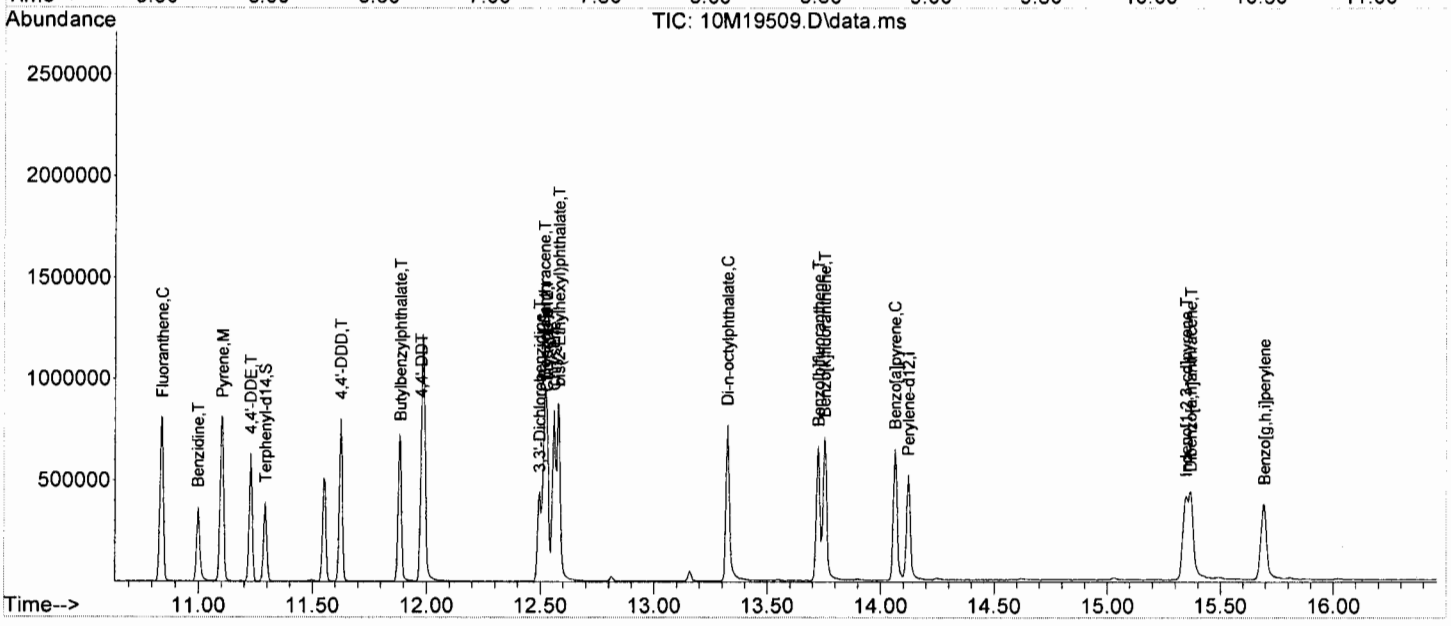
Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) 2,4-Dinitrotoluene	8.217	165	72208	50.04 ng	82
67) 4-Nitrophenol	8.142	65	52197	41.80 ng	97
68) 2,3,4,6-Tetrachlorophenol	8.345	232	47807	52.62 ng	94
69) Fluorene	8.559	166	237541	50.67 ng	99
70) 4-Chlorophenyl-phenyle...	8.554	204	102623	52.72 ng	90
71) Diethylphthalate	8.436	149	244347	50.37 ng	99
72) 4-Nitroaniline	8.564	138	70235	49.96 ng	80
73) Atrazine	9.190	200	63133	49.79 ng	98
75) 4,6-Dinitro-2-methylph...	8.596	198	32980	42.21 ng	49
76) n-Nitrosodiphenylamine	8.661	169	206392	52.20 ng	97
78) 1,2-Diphenylhydrazine	8.703	77	284811	49.47 ng	91
79) 4-Bromophenyl-phenylether	9.030	248	50812	50.61 ng	97
80) Hexachlorobenzene	9.094	284	48707	49.88 ng	92
81) N-Octadecane	9.372	57	256583	54.32 ng	94
82) Pentachlorophenol	9.292	266	28353	44.92 ng	97
83) Phenanthrene	9.522	178	329753	51.20 ng	99
84) Anthracene	9.581	178	335388	50.85 ng	100
85) Carbazole	9.746	167	332842	49.42 ng	99
86) Di-n-butylphthalate	10.132	149	432630	52.72 ng	98
87) Fluoranthene	10.843	202	347914	50.74 ng	99
89) Pyrene	11.105	202	360792	52.16 ng	94
90) Benzidine	10.998	184	136872	38.58 ng	92
92) 4,4'-DDE	11.228	246	63469	51.74 ng	92
93) 4,4'-DDD	11.624	235	125383	53.51 ng	85
94) Butylbenzylphthalate	11.886	149	180206	50.09 ng	75
95) 4,4'-DDT	11.977	235	93897	51.52 ng	92
96) 3,3'-Dichlorobenzidine	12.496	252	87247	48.38 ng	100
97) Benzo[a]anthracene	12.517	228	298866	51.54 ng	99
98) Chrysene	12.560	228	298575	53.74 ng	99
99) bis(2-Ethylhexyl)phtha...	12.581	149	249900	53.21 ng	94
101) Di-n-octylphthalate	13.325	149	404410	47.27 ng	100
102) Benzo[b]fluoranthene	13.726	252	273581	52.74 ng	99
103) Benzo[k]fluoranthene	13.753	252	291349	56.54 ng	100
104) Benzo[a]pyrene	14.063	252	269812	53.38 ng	99
105) Indeno[1,2,3-cd]pyrene	15.346	276	265574	50.13 ng	96
106) Dibenzo[a,h]anthracene	15.368	278	214029	49.78 ng	96
107) Benzo[g,h,i]perylene	15.694	276	224904	49.30 ng	89

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


Abundance
TIC: 10M19509.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19509.D
Acq On : 02/22/11 08:56
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/22/11 09:13
Qt Upd On: 02/11/11 14:13
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 10M19509.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Acenaphthylene,M
3-Nitroaniline,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->


Abundance
TIC: 10M19509.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,T
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64836.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/24/2011 9:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.41	40.00	40				0.000	0.00	
Pyridine	1	0		2.43	53.87	50			1.823	1.965	7.74	
N-Nitrosodimethylamine	1	0		2.36	52.28	50			1.089	1.139	4.56	
2-Fluorophenol	1	0	S	4.19	53.63	50			1.309	1.405	7.26	
Benzaldehyde	1	0		5.03	38.00	50			0.918	0.832	24.00	
Aniline	1	0		5.13	59.35	50			2.052	2.435	18.70	
Pentachloroethane	1	0		5.17	52.52	50			0.484	0.508	5.04	
bis(2-Chloroethyl)ether	1	0		5.19	52.84	50			1.516	1.602	5.68	
Phenol-d5	1	0	S	5.12	54.11	50			1.848	2.000	8.22	
Phenol	1	0	CC	5.14	52.24	50	20		2.144	2.241	4.48	
2-Chlorophenol	1	0		5.24	52.84	50			1.426	1.506	5.68	
N-Decane	1	0		5.29	53.57	50			2.017	2.161	7.14	
1,3-Dichlorobenzene	1	0		5.37	51.58	50			1.466	1.512	3.16	
1,4-Dichlorobenzene	1	0	CC	5.43	51.95	50	20		1.514	1.573	3.90	
1,2-Dichlorobenzene	1	0		5.56	53.13	50			1.404	1.492	6.26	
Benzyl alcohol	1	0		5.54	56.45	50			0.963	1.087	12.90	
bis(2-chloroisopropyl)ether	1	0		5.66	56.23	50			2.585	2.906	12.46	
2-Methylphenol	1	0		5.65	55.29	50			1.355	1.498	10.58	
Acetophenone	1	0		5.76	53.68	50			2.199	2.361	7.36	
Hexachloroethane	1	0		5.84	52.12	50			0.629	0.656	4.24	
N-Nitroso-di-n-propylamine	1	0	CP	5.76	53.68	50	0.05		1.158	1.243	7.36	
3&4-Methylphenol	1	0		5.77	53.71	50			1.495	1.607	7.42	
Naphthalene-d8	1	0	I	6.43	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.87	25.80	25			0.171	0.177	3.20	
Nitrobenzene	1	0		5.89	52.56	50			0.456	0.480	5.12	
Isophorone	1	0		6.08	52.73	50			0.820	0.865	5.46	
2-Nitrophenol	1	0	CC	6.15	51.80	50	20		0.187	0.194	3.60	
2,4-Dimethylphenol	1	0		6.19	53.39	50			0.377	0.403	6.78	
Benzoic Acid	1	0		6.27	57.76	50			0.226	0.258	15.52	
bis(2-Chloroethoxy)methane	1	0		6.25	52.37	50			0.471	0.493	4.74	
2,4-Dichlorophenol	1	0	CC	6.34	53.29	50	20		0.266	0.283	6.58	
1,2,4-Trichlorobenzene	1	0		6.39	51.51	50			0.294	0.303	3.02	
Naphthalene	1	0		6.45	49.95	50			1.084	1.083	0.10	
4-Chloroaniline	1	0		6.49	52.15	50			0.348	0.439	4.30	
Hexachlorobutadiene	1	0	CC	6.55	52.25	50	20		0.126	0.131	4.50	
Caprolactam	1	0		6.75	54.81	50			0.125	0.137	9.62	
4-Chloro-3-methylphenol	1	0	CC	6.86	52.94	50	20		0.342	0.363	5.88	
2-Methylnaphthalene	1	0		6.97	52.43	50			0.649	0.681	4.86	
Methylnaphthalenes	1	0		6.97	52.43	50	20			0.681	4.86	
1,1'-Biphenyl	1	0		7.33	52.89	50			0.837	0.886	5.78	
Acenaphthene-d10	1	0	I	7.81	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.10	53.72	50			0.484	0.520	7.44	
Hexachlorocyclopentadiene	1	0	CP	7.09	50.43	50	0.05		0.190	0.219	0.86	
2,4,6-Trichlorophenol	1	0	CC	7.19	54.87	50	20		0.307	0.337	9.74	
2,4,5-Trichlorophenol	1	0		7.23	51.39	50			0.345	0.355	2.78	
2-Fluorobiphenyl	1	0	S	7.25	25.75	25			1.263	1.301	3.00	
2-Chloronaphthalene	1	0		7.35	51.26	50			1.112	1.140	2.52	
1,4-Dimethylnaphthalene	1	0		7.62	53.51	50			0.870	0.931	7.02	
Dimethylnaphthalenes	1	0		7.62	53.51	50	20			0.931	7.02	
Diphenyl Ether	1	0		7.42	53.32	50			0.836	0.891	6.64	
2-Nitroaniline	1	0		7.43	53.18	50			0.599	0.637	6.36	
Coumarin	1	0		7.60	54.77				0.476			
Acenaphthylene	1	0		7.70	52.58	50			1.875	1.972	5.16	
Dimethylphthalate	1	0		7.58	52.21	50			1.274	1.330	4.42	
2,6-Dinitrotoluene	1	0		7.63	54.05	50			0.279	0.301	8.10	
Acenaphthene	1	0	CC	7.84	52.66	50	20		1.163	1.224	5.32	
3-Nitroaniline	1	0		7.78	59.53	50			0.322	0.384	19.06	
2,4-Dinitrophenol	1	0	CP	7.87	59.88	50	0.05		0.131	0.154	19.76	
Dibenzofuran	1	0		7.99	51.88	50			1.576	1.636	3.76	
2,4-Dinitrotoluene	1	0		7.97	54.34	50			0.368	0.400	8.68	
4-Nitrophenol	1	0	CP	7.92	54.16	50	0.05		0.330	0.358	8.32	
2,3,4,6-Tetrachlorophenol	1	0		8.10	51.57	50			0.237	0.259	3.14	
Fluorene	1	0		8.30	53.44	50			1.216	1.300	6.88	
4-Chlorophenyl-phenylether	1	0		8.30	53.17	50			0.493	0.524	6.34	
Diethylphthalate	1	0		8.19	52.54	50			1.328	1.396	5.08	
4-Nitroaniline	1	0		8.31	53.99	50			0.377	0.407	7.98	
Atrazine	1	0		8.94	53.21	50			0.331	0.352	6.42	
Phenanthrene-d10	1	0	I	9.23	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.35	52.70	50			0.103	0.119	5.40	
n-Nitrosodiphenylamine	1	0	CC	8.41	51.99	50	20		0.633	0.658	3.98	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64836.D **Instrument:** GCMS 5

Cont Calibration Date/Time 2/24/2011 9:54:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.53	48.93	50			0.054	0.057	2.14	
1,2-Diphenylhydrazine	1	0		8.45	51.33	50			1.096	1.125	2.66	
4-Bromophenyl-phenylether	1	0		8.77	49.20	50			0.149	0.147	1.60	
Hexachlorobenzene	1	0		8.83	51.38	50			0.144	0.147	2.76	
N-Octadecane	1	0		9.13	53.44	50			0.715	0.764	6.88	
Pentachlorophenol	1	0	CC	9.03	54.73	50	20		0.076	0.083	9.46	
Phenanthrene	1	0		9.26	50.95	50			1.075	1.095	1.90	
Anthracene	1	0		9.31	51.57	50			1.087	1.122	3.14	
Carbazole	1	0		9.48	52.67	50			1.061	1.118	5.34	
Di-n-butylphthalate	1	0		9.87	52.89	50			1.335	1.412	5.78	
Fluoranthene	1	0	CC	10.56	51.96	50	20		1.063	1.105	3.92	
Chrysene-d12	1	0	I	12.25	40.00	40				0.000	0.00	
Pyrene	1	0		10.82	50.16	50			1.427	1.431	0.32	
Benzidine	1	0		10.73	42.30	50			0.477	0.559	15.40	
Terphenyl-d14	1	0	S	11.02	24.74	25			0.791	0.782	1.04	
4,4'-DDE	1	0		10.96	49.59				0.237			
4,4'-DDD	1	0		11.36	51.06				0.462			
Butylbenzylphthalate	1	0		11.62	50.95	50			0.752	0.767	1.90	
4,4'-DDT	1	0		11.71	49.75				0.371			
3,3'-Dichlorobenzidine	1	0		12.23	51.79	50			0.285	0.330	3.58	
Benzo[a]anthracene	1	0		12.24	51.91	50			1.137	1.180	3.82	
Chrysene	1	0		12.28	49.56	50			1.122	1.112	0.88	
bis(2-Ethylhexyl)phthalate	1	0		12.33	51.83	50			1.045	1.084	3.66	
Perylene-d12	1	0	I	13.84	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.08	43.82	50	20		1.993	1.923	12.36	
Benzo[b]fluoranthene	1	0		13.45	50.51	50			1.161	1.172	1.02	
Benzo[k]fluoranthene	1	0		13.48	49.59	50			1.152	1.142	0.82	
Benzo[a]pyrene	1	0	CC	13.79	51.50	50	20		1.095	1.128	3.00	
Indeno[1,2,3-cd]pyrene	1	0		14.98	52.36	50			0.996	1.043	4.72	
Dibenzo[a,h]anthracene	1	0		15.00	52.12	50			0.826	0.861	4.24	
Benzo[g,h,i]perylene	1	0		15.29	51.86	50			0.846	0.877	3.72	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64836.D Sam Mult : 1 Vial# : 2 Qt On : 02/24/11 10:10
Acq On : 02/24/11 09:54 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	68283	40.00	ng	-0.03
29) Naphthalene-d8	6.434	136	276061	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	148067	40.00	ng	-0.04
74) Phenanthrene-d10	9.228	188	254300	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	205493	40.00	ng	-0.05
100) Perylene-d12	13.844	264	183432	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	119885	53.63	ng	-0.04
Spiked Amount 100.000			Recovery = 53.63%			
15) Phenol-d5	5.120	99	170742	54.11	ng	-0.04
Spiked Amount 100.000			Recovery = 54.11%			
30) Nitrobenzene-d5	5.873	128	30501	25.80	ng	-0.03
Spiked Amount 50.000			Recovery = 51.60%			
52) 2-Fluorobiphenyl	7.252	172	120364	25.75	ng	-0.03
Spiked Amount 50.000			Recovery = 51.50%			
77) 2,4,6-Tribromophenol	8.529	330	18094	48.93	ng	-0.04
Spiked Amount 100.000			Recovery = 48.93%			
91) Terphenyl-d14	11.023	244	100471	24.74	ng	-0.04
Spiked Amount 50.000			Recovery = 49.48%			
Target Compounds						Qvalue
8) Pyridine	2.428	79	167697	53.87	ng	85
9) N-Nitrosodimethylamine	2.364	74	97219	52.28	ng	91
11) Benzaldehyde	5.029	77	70975	38.00	ng	85
12) Aniline	5.131	93	207866	59.35	ng	78
13) Pentachloroethane	5.168	117	43375	52.52	ng	89
14) bis(2-Chloroethyl)ether	5.195	93	136768	52.84	ng	95
16) Phenol	5.136	94	191245	52.24	ng	91
17) 2-Chlorophenol	5.238	128	128577	52.84	ng	89
18) N-Decane	5.291	57	184480	53.57	ng	96
19) 1,3-Dichlorobenzene	5.366	146	129075	51.58	ng	96
20) 1,4-Dichlorobenzene	5.430	146	134258	51.95	ng	98
21) 1,2-Dichlorobenzene	5.558	146	127356	53.13	ng	96
22) Benzyl alcohol	5.542	108	92776	56.45	ng	81
23) bis(2-chloroisopropyl)...	5.660	45	248073	56.23	ng	98
24) 2-Methylphenol	5.649	108	127902	55.29	ng	97
25) Acetophenone	5.756	105	201528	53.68	ng	68
26) Hexachloroethane	5.836	117	55982	52.12	ng	95
27) N-Nitroso-di-n-propyla...	5.761	70	106117	53.68	ng	84
28) 3&4-Methylphenol	5.772	108	137125	53.71	ng	91
31) Nitrobenzene	5.889	77	165575	52.56	ng	91
32) Isophorone	6.082	82	298539	52.73	ng	99
33) 2-Nitrophenol	6.146	139	66877	51.80	ng	89
34) 2,4-Dimethylphenol	6.189	107	139047	53.39	ng	99
35) Benzoic Acid	6.274	105	88937m	57.76	ng	
36) bis(2-Chloroethoxy)met...	6.253	93	170187	52.37	ng	97
37) 2,4-Dichlorophenol	6.338	162	97738	53.29	ng	90
38) 1,2,4-Trichlorobenzene	6.392	180	104662	51.51	ng	97
39) Naphthalene	6.450	128	373756	49.95	ng	99
40) 4-Chloroaniline	6.493	127	151628	52.15	ng	100
41) Hexachlorobutadiene	6.547	225	45302	52.25	ng	97
42) Caprolactam	6.750	113	47150	54.81	ng	69
43) 4-Chloro-3-methylphenol	6.862	107	125100	52.94	ng	99
44) 2-Methylnaphthalene	6.974	142	235017	52.43	ng	97
45) Methylnaphthalenes (To...	6.974	142	235017	52.43	ng	97
46) 1,1'-Biphenyl	7.332	154	305684	52.89	ng	99
48) 1,2,4,5-Tetrachloroben...	7.102	216	96269	53.72	ng	99
49) Hexachlorocyclopentadiene	7.091	237	40566	50.43	ng	98
50) 2,4,6-Trichlorophenol	7.193	196	62369	54.87	ng	98
51) 2,4,5-Trichlorophenol	7.225	196	65718	51.39	ng	99
53) 2-Chloronaphthalene	7.353	162	211010	51.26	ng	96
54) 1,4-Dimethylnaphthalene	7.620	156	172239	53.51	ng	99
55) Dimethylnaphthalenes (...	7.620	156	172239	53.51	ng	99
56) Diphenyl Ether	7.417	170	164980	53.32	ng	92
57) 2-Nitroaniline	7.433	65	117898	53.18	ng	80
58) Coumarin	7.604	146	96513	54.77	ng	88
59) Acenaphthylene	7.695	152	364943	52.58	ng	99
60) Dimethylphthalate	7.578	163	246129	52.21	ng	100
61) 2,6-Dinitrotoluene	7.631	165	55738	54.05	ng	77
62) Acenaphthene	7.839	153	226621	52.66	ng	96
63) 3-Nitroaniline	7.775	138	71054	59.53	ng	42
64) 2,4-Dinitrophenol	7.866	184	28419	59.88	ng	84
65) Dibenzofuran	7.989	168	302719	51.88	ng	94

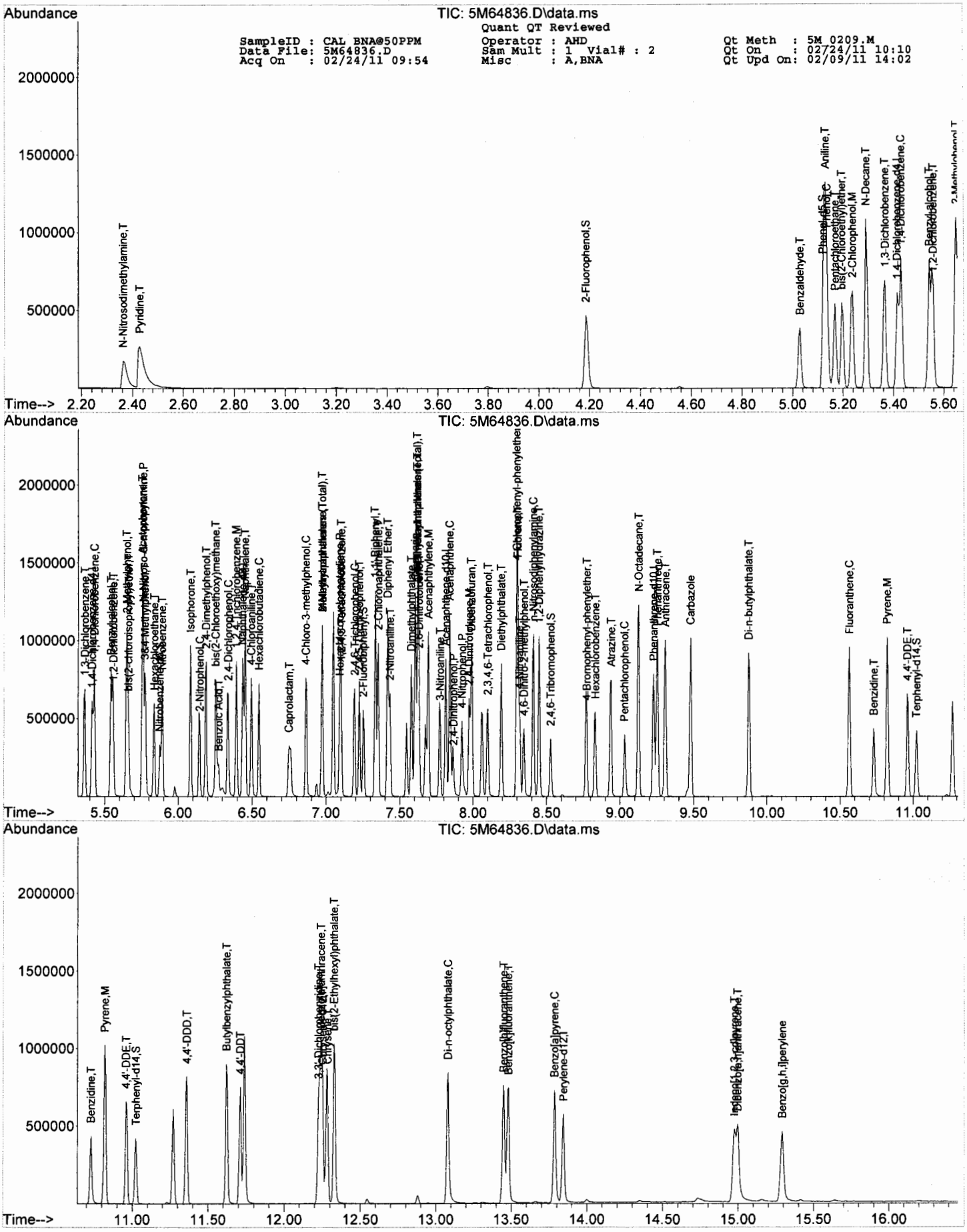
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64836.D Sam Mult : 1 Vial# : 2 Qt On : 02/24/11 10:10
Acq On : 02/24/11 09:54 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.973	165	74017	54.34	ng	98
67) 4-Nitrophenol	7.925	65	66207	54.16	ng	92
68) 2,3,4,6-Tetrachlorophenol	8.101	232	47922	51.57	ng	99
69) Fluorene	8.304	166	240593	53.44	ng	97
70) 4-Chlorophenyl-phenyle...	8.299	204	96951	53.17	ng	96
71) Diethylphthalate	8.192	149	258344	52.54	ng	99
72) 4-Nitroaniline	8.315	138	75378	53.99	ng	93
73) Atrazine	8.940	200	65174	53.21	ng	98
75) 4,6-Dinitro-2-methylph...	8.347	198	37946	52.70	ng	29
76) n-Nitrosodiphenylamine	8.411	169	209160	51.99	ng	99
78) 1,2-Diphenylhydrazine	8.448	77	357723	51.33	ng	98
79) 4-Bromophenyl-phenylether	8.774	248	46719	49.20	ng	98
80) Hexachlorobenzene	8.833	284	46880	51.38	ng	90
81) N-Octadecane	9.127	57	242906	53.44	ng	94
82) Pentachlorophenol	9.031	266	26514	54.73	ng	92
83) Phenanthrene	9.255	178	348161	50.95	ng	100
84) Anthracene	9.309	178	356527	51.57	ng	100
85) Carbazole	9.479	167	355371	52.67	ng	99
86) Di-n-butylphthalate	9.875	149	448979	52.89	ng	99
87) Fluoranthene	10.564	202	351160	51.96	ng	95
89) Pyrene	10.820	202	367680	50.16	ng	95
90) Benzidine	10.730	184	143586	42.30	ng	97
92) 4,4'-DDE	10.959	246	60253	49.59	ng	88
93) 4,4'-DDD	11.360	235	121109	51.06	ng	82
94) Butylbenzylphthalate	11.622	149	196957	50.95	ng	90
95) 4,4'-DDT	11.713	235	102009	49.75	ng	83
96) 3,3'-Dichlorobenzidine	12.225	252	84870	51.79	ng	97
97) Benzo[a]anthracene	12.241	228	303150	51.91	ng	99
98) Chrysene	12.284	228	285623	49.56	ng	99
99) bis(2-Ethylhexyl)phtha...	12.327	149	278355	51.83	ng	99
101) Di-n-octylphthalate	13.080	149	440928	43.82	ng	99
102) Benzo[b]fluoranthene	13.449	252	268809	50.51	ng	97
103) Benzo[k]fluoranthene	13.481	252	261868	49.59	ng	98
104) Benzo[a]pyrene	13.785	252	258539	51.50	ng	96
105) Indeno[1,2,3-cd]pyrene	14.977	276	239253	52.36	ng	80
106) Dibenzo[a,h]anthracene	14.998	278	197524	52.12	ng	89
107) Benzo[g,h,i]perylene	15.292	276	201078	51.86	ng	81

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


Abundance
TIC: 5M64836.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64836.D
Acq On : 02/24/11 09:54
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/24/11 10:10
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64836.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Diphenyl Ether,T
2-Nitroaniline,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64836.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64933.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/1/2011 9:38:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.41	40.00	40				0.000	0.00	
Pyridine	1	0		2.40	52.53	50			1.823	1.916	5.06	
N-Nitrosodimethylamine	1	0		2.35	51.70	50			1.089	1.126	3.40	
2-Fluorophenol	1	0	S	4.17	53.16	50			1.309	1.392	6.32	
Benzaldehyde	1	0		5.02	43.86	50			0.918	0.938	12.28	
Aniline	1	0		5.12	53.58	50			2.052	2.199	7.16	
Pentachloroethane	1	0		5.16	52.83	50			0.484	0.511	5.66	
bis(2-Chloroethyl)ether	1	0		5.19	50.54	50			1.516	1.532	1.08	
Phenol-d5	1	0	S	5.11	52.87	50			1.848	1.954	5.74	
Phenol	1	0	CC	5.13	49.88	50	20		2.144	2.139	0.24	
2-Chlorophenol	1	0		5.23	50.22	50			1.426	1.432	0.44	
N-Decane	1	0		5.29	52.78	50			2.017	2.129	5.56	
1.3-Dichlorobenzene	1	0		5.36	51.83	50			1.466	1.520	3.66	
1.4-Dichlorobenzene	1	0	CC	5.42	52.20	50	20		1.514	1.581	4.40	
1.2-Dichlorobenzene	1	0		5.55	52.65	50			1.404	1.479	5.30	
Benzyl alcohol	1	0		5.54	54.71	50			0.963	1.053	9.42	
bis(2-chloroisopropyl)ether	1	0		5.65	54.16	50			2.585	2.800	8.32	
2-Methylphenol	1	0		5.64	54.32	50			1.355	1.472	8.64	
Acetophenone	1	0		5.75	48.83	50			2.199	2.148	2.34	
Hexachloroethane	1	0		5.83	52.69	50			0.629	0.663	5.38	
N-Nitroso-di-n-propylamine	1	0	CP	5.76	53.37	50	0.05		1.158	1.236	6.74	
3&4-Methylphenol	1	0		5.77	53.24	50			1.495	1.592	6.48	
Naphthalene-d8	1	0	I	6.43	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.87	26.27	25			0.171	0.180	5.08	
Nitrobenzene	1	0		5.88	53.47	50			0.456	0.488	6.94	
Isophorone	1	0		6.08	52.03	50			0.820	0.854	4.06	
2-Nitrophenol	1	0	CC	6.14	53.06	50	20		0.187	0.199	6.12	
2.4-Dimethylphenol	1	0		6.18	53.48	50			0.377	0.404	6.96	
Benzoic Acid	1	0		6.27	59.89	50			0.226	0.269	19.78	
bis(2-Chloroethoxy)methane	1	0		6.25	52.80	50			0.471	0.497	5.60	
2.4-Dichlorophenol	1	0	CC	6.33	53.71	50	20		0.266	0.285	7.42	
1.2.4-Trichlorobenzene	1	0		6.39	52.92	50			0.294	0.312	5.84	
Naphthalene	1	0		6.45	51.51	50			1.084	1.117	3.02	
4-Chloroaniline	1	0		6.49	49.55	50			0.348	0.420	0.90	
Hexachlorobutadiene	1	0	CC	6.54	51.83	50	20		0.126	0.130	3.66	
Caprolactam	1	0		6.76	47.67	50			0.125	0.119	4.66	
4-Chloro-3-methylphenol	1	0	CC	6.86	52.14	50	20		0.342	0.357	4.28	
2-Methylnaphthalene	1	0		6.97	51.91	50			0.649	0.674	3.82	
Methylnaphthalenes	1	0		6.97	51.91	50	20			0.674	3.82	
1.1'-Biphenyl	1	0		7.33	53.24	50			0.837	0.892	6.48	
Acenaphthene-d10	1	0	I	7.81	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.10	49.79	50			0.484	0.482	0.42	
Hexachlorocyclopentadiene	1	0	CP	7.09	50.56	50	0.05		0.190	0.220	1.12	
2.4.6-Trichlorophenol	1	0	CC	7.19	56.72	50	20		0.307	0.348	13.44	
2.4.5-Trichlorophenol	1	0		7.22	53.40	50			0.345	0.369	6.80	
2-Fluorobiphenyl	1	0	S	7.25	25.77	25			1.263	1.302	3.08	
2-Chloronaphthalene	1	0		7.35	52.41	50			1.112	1.166	4.82	
1.4-Dimethylnaphthalene	1	0		7.62	59.55	50			0.870	1.036	19.10	
Dimethylnaphthalenes	1	0		7.62	59.55	50	20			1.036	19.10	
Diphenyl Ether	1	0		7.41	49.75	50			0.836	0.832	0.50	
2-Nitroaniline	1	0		7.42	52.87	50			0.599	0.633	5.74	
Coumarin	1	0		7.60	55.88				0.476			
Acenaphthylene	1	0		7.68	53.71	50			1.875	2.014	7.42	
Dimethylphthalate	1	0		7.57	52.42	50			1.274	1.335	4.84	
2.6-Dinitrotoluene	1	0		7.63	53.47	50			0.279	0.298	6.94	
Acenaphthene	1	0	CC	7.83	52.85	50	20		1.163	1.229	5.70	
3-Nitroaniline	1	0		7.76	57.92	50			0.322	0.373	15.84	
2.4-Dinitrophenol	1	0	CP	7.86	61.41	50	0.05		0.131	0.158	22.82	
Dibenzofuran	1	0		7.98	52.43	50			1.576	1.653	4.86	
2.4-Dinitrotoluene	1	0		7.97	54.63	50			0.368	0.402	9.26	
4-Nitrophenol	1	0	CP	7.91	54.16	50	0.05		0.330	0.358	8.32	
2.3.4.6-Tetrachlorophenol	1	0		8.09	51.51	50			0.237	0.259	3.02	
Fluorene	1	0		8.29	53.17	50			1.216	1.293	6.34	
4-Chlorophenyl-phenylether	1	0		8.29	52.09	50			0.493	0.513	4.18	
Diethylphthalate	1	0		8.19	52.29	50			1.328	1.389	4.58	
4-Nitroaniline	1	0		8.31	55.38	50			0.377	0.418	10.76	
Atrazine	1	0		8.93	50.28	50			0.331	0.333	0.56	
Phenanthrene-d10	1	0	I	9.22	40.00	40				0.000	0.00	
4.6-Dinitro-2-methylphenol	1	0		8.34	54.99	50			0.103	0.125	9.98	
n-Nitrosodiphenylamine	1	0	CC	8.40	54.63	50	20		0.633	0.691	9.26	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M64933.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/1/2011 9:38:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2,4,6-Tribromophenol	1	0	S	8.52	50.65	50			0.054	0.059	1.30	
1,2-Diphenylhydrazine	1	0		8.44	54.53	50			1.096	1.196	9.06	
4-Bromophenyl-phenylether	1	0		8.76	53.11	50			0.149	0.159	6.22	
Hexachlorobenzene	1	0		8.82	52.44	50			0.144	0.151	4.88	
N-Octadecane	1	0		9.12	56.84	50			0.715	0.813	13.68	
Pentachlorophenol	1	0	CC	9.02	57.69	50	20		0.076	0.088	15.38	
Phenanthrene	1	0		9.24	53.32	50			1.075	1.146	6.64	
Anthracene	1	0		9.30	54.93	50			1.087	1.195	9.86	
Carbazole	1	0		9.47	54.22	50			1.061	1.151	8.44	
Di-n-butylphthalate	1	0		9.86	54.39	50			1.335	1.452	8.78	
Fluoranthene	1	0	CC	10.55	54.31	50	20		1.063	1.155	8.62	
Chrysene-d12	1	0	I	12.24	40.00	40				0.000	0.00	
Pyrene	1	0		10.81	52.15	50			1.427	1.488	4.30	
Benzidine	1	0		10.72	60.26	50			0.477	0.759	20.52	
Terphenyl-d14	1	0	S	11.01	25.31	25			0.791	0.801	1.24	
4,4'-DDE	1	0		10.95	49.26				0.237			
4,4'-DDD	1	0		11.34	52.62				0.462			
Butylbenzylphthalate	1	0		11.61	52.25	50			0.752	0.786	4.50	
4,4'-DDT	1	0		11.70	50.90				0.371			
3,3'-Dichlorobenzidine	1	0		12.21	53.71	50			0.285	0.342	7.42	
Benzo[a]anthracene	1	0		12.23	52.53	50			1.137	1.194	5.06	
Chrysene	1	0		12.27	51.10	50			1.122	1.147	2.20	
bis(2-Ethylhexyl)phthalate	1	0		12.32	52.92	50			1.045	1.107	5.84	
Perylene-d12	1	0	I	13.83	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.07	47.29	50	20		1.993	2.076	5.42	
Benzo[b]fluoranthene	1	0		13.44	52.26	50			1.161	1.213	4.52	
Benzo[k]fluoranthene	1	0		13.46	51.48	50			1.152	1.186	2.96	
Benzo[a]pyrene	1	0	CC	13.77	52.76	50	20		1.095	1.155	5.52	
Indeno[1,2,3-cd]pyrene	1	0		14.96	52.80	50			0.996	1.052	5.60	
Dibenzo[a,h]anthracene	1	0		14.98	52.78	50			0.826	0.872	5.56	
Benzo[g,h,i]perylene	1	0		15.28	52.51	50			0.846	0.888	5.02	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.870	0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.649	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64933.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 09:54
Acq On : 03/ 1/11 09:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	87123	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	335391	40.00	ng	-0.04
47) Acenaphthene-d10	7.807	164	177237	40.00	ng	-0.04
74) Phenanthrene-d10	9.218	188	294085	40.00	ng	-0.06
88) Chrysene-d12	12.241	240	237819	40.00	ng	-0.06
100) Perylene-d12	13.833	264	204875	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	151609	53.16	ng	-0.06
Spiked Amount 100.000			Recovery = 53.16%			
15) Phenol-d5	5.115	99	212825	52.87	ng	-0.05
Spiked Amount 100.000			Recovery = 52.87%			
30) Nitrobenzene-d5	5.868	128	37724	26.27	ng	-0.04
Spiked Amount 50.000			Recovery = 52.54%			
52) 2-Fluorobiphenyl	7.246	172	144198	25.77	ng	-0.04
Spiked Amount 50.000			Recovery = 51.54%			
77) 2,4,6-Tribromophenol	8.518	330	21663	50.65	ng	-0.06
Spiked Amount 100.000			Recovery = 50.65%			
91) Terphenyl-d14	11.013	244	118998	25.31	ng	-0.06
Spiked Amount 50.000			Recovery = 50.62%			
Target Compounds						Qvalue
8) Pyridine	2.401	79	208634	52.53	ng	87
9) N-Nitrosodimethylamine	2.348	74	122669	51.70	ng	87
11) Benzaldehyde	5.019	77	102170	43.86	ng	85
12) Aniline	5.120	93	239470	53.58	ng	82
13) Pentachloroethane	5.158	117	55665	52.83	ng	94
14) bis(2-Chloroethyl)ether	5.190	93	166887	50.54	ng	91
16) Phenol	5.126	94	232967	49.88	ng	79
17) 2-Chlorophenol	5.227	128	155921	50.22	ng	94
18) N-Decane	5.286	57	231904	52.78	ng	94
19) 1,3-Dichlorobenzene	5.355	146	165515	51.83	ng	98
20) 1,4-Dichlorobenzene	5.425	146	172138	52.20	ng	95
21) 1,2-Dichlorobenzene	5.548	146	161034	52.65	ng	98
22) Benzyl alcohol	5.537	108	114729	54.71	ng	78
23) bis(2-chloroisopropyl)...	5.649	45	304895	54.16	ng	98
24) 2-Methylphenol	5.638	108	160341	54.32	ng	96
25) Acetophenone	5.751	105	233914	48.83	ng	68
26) Hexachloroethane	5.825	117	72208	52.69	ng	91
27) N-Nitroso-di-n-propyla...	5.756	70	134606	53.37	ng	82
28) 3&4-Methylphenol	5.767	108	173413	53.24	ng	99
31) Nitrobenzene	5.884	77	204670	53.47	ng	91
32) Isophorone	6.076	82	357883	52.03	ng	98
33) 2-Nitrophenol	6.135	139	83233	53.06	ng	84
34) 2,4-Dimethylphenol	6.178	107	169197	53.48	ng	95
35) Benzoic Acid	6.269	105	112758m	59.89	ng	
36) bis(2-Chloroethoxy)met...	6.247	93	208491	52.80	ng	99
37) 2,4-Dichlorophenol	6.328	162	119664	53.71	ng	94
38) 1,2,4-Trichlorobenzene	6.386	180	130633	52.92	ng	99
39) Naphthalene	6.445	128	468255	51.51	ng	100
40) 4-Chloroaniline	6.488	127	176078	49.55	ng	100
41) Hexachlorobutadiene	6.541	225	54594	51.83	ng	96
42) Caprolactam	6.760	113	49818	47.67	ng	68
43) 4-Chloro-3-methylphenol	6.856	107	149682	52.14	ng	94
44) 2-Methylnaphthalene	6.969	142	282698	51.91	ng	99
45) Methylnaphthalenes (To...	6.969	142	282698	51.91	ng	99
46) 1,1'-Biphenyl	7.327	154	373842	53.24	ng	98
48) 1,2,4,5-Tetrachloroben...	7.097	216	106793	49.79	ng	98
49) Hexachlorocyclopentadiene	7.086	237	48686	50.56	ng	92
50) 2,4,6-Trichlorophenol	7.188	196	77179	56.72	ng	98
51) 2,4,5-Trichlorophenol	7.220	196	81745	53.40	ng	99
53) 2-Chloronaphthalene	7.348	162	258268	52.41	ng	95
54) 1,4-Dimethylnaphthalene	7.615	156	229442	59.55	ng	98
55) Dimethylnaphthalenes (...	7.615	156	229442	59.55	ng	98
56) Diphenyl Ether	7.412	170	184253	49.75	ng	88
57) 2-Nitroaniline	7.423	65	140297	52.87	ng	89
58) Coumarin	7.599	146	117876	55.88	ng	86
59) Acenaphthylene	7.684	152	446236	53.71	ng	100
60) Dimethylphthalate	7.572	163	295817	52.42	ng	100
61) 2,6-Dinitrotoluene	7.626	165	66009	53.47	ng	77
62) Acenaphthene	7.834	153	272212	52.85	ng	97
63) 3-Nitroaniline	7.765	138	82744	57.92	ng	38
64) 2,4-Dinitrophenol	7.855	184	35047	61.41	ng	72
65) Dibenzofuran	7.984	168	366228	52.43	ng	92

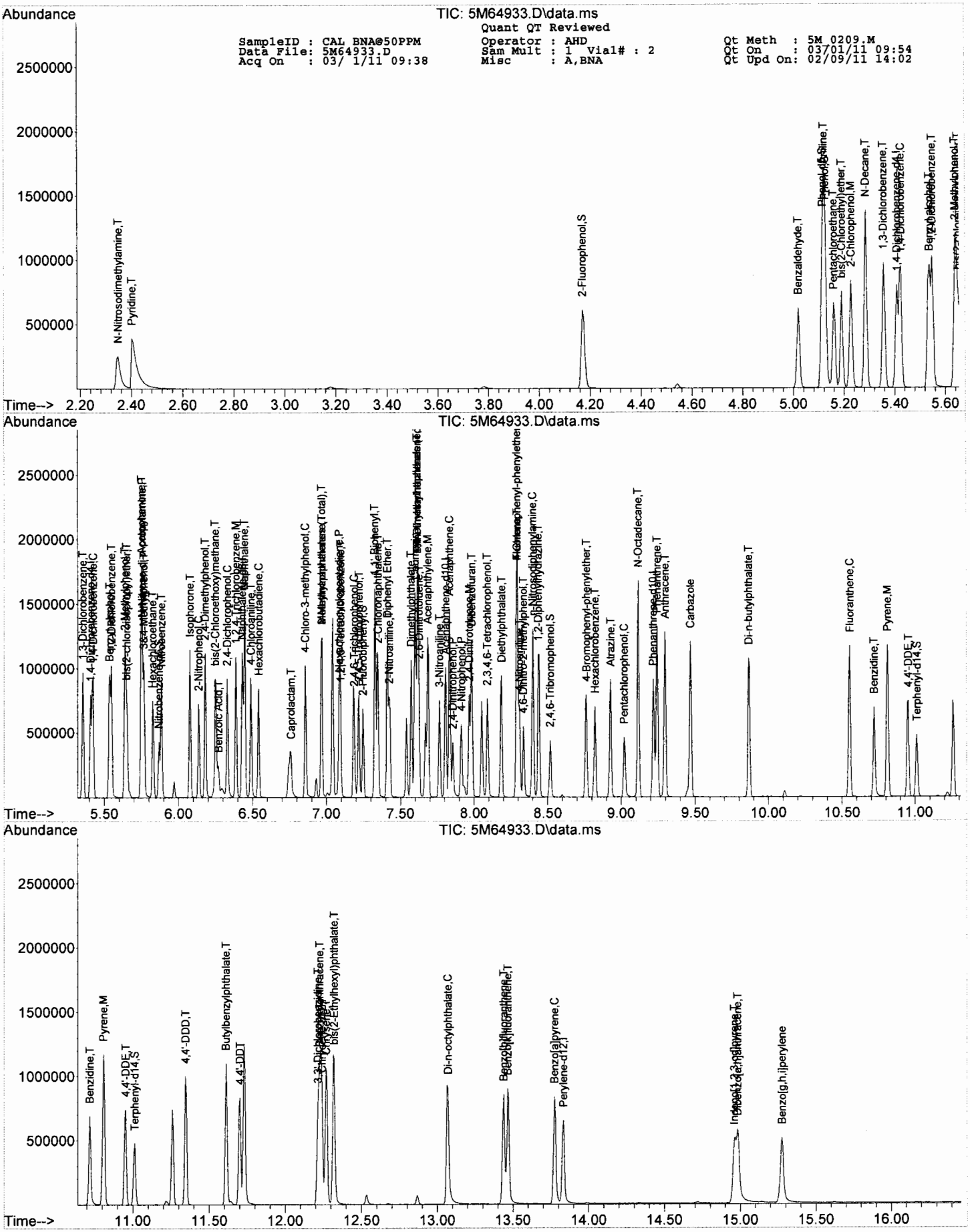
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64933.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 09:54
Acq On : 03/ 1/11 09:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 2,4-Dinitrotoluene	7.968	165	89067	54.63	ng	93
67) 4-Nitrophenol	7.914	65	79250	54.16	ng	91
68) 2,3,4,6-Tetrachlorophenol	8.090	232	57297	51.51	ng	97
69) Fluorene	8.293	166	286514	53.17	ng	99
70) 4-Chlorophenyl-phenyle...	8.293	204	113697	52.09	ng	97
71) Diethylphthalate	8.187	149	307768	52.29	ng	99
72) 4-Nitroaniline	8.310	138	92551	55.38	ng	92
73) Atrazine	8.929	200	73725	50.28	ng	100
75) 4,6-Dinitro-2-methylph...	8.336	198	45937	54.99	ng	20
76) n-Nitrosodiphenylamine	8.400	169	254162	54.63	ng	99
78) 1,2-Diphenylhydrazine	8.438	77	439490	54.53	ng	97
79) 4-Bromophenyl-phenylether	8.764	248	58324	53.11	ng	97
80) Hexachlorobenzene	8.822	284	55334	52.44	ng	95
81) N-Octadecane	9.116	57	298774	56.84	ng	94
82) Pentachlorophenol	9.020	266	32489	57.69	ng	97
83) Phenanthrene	9.244	178	421302	53.32	ng	99
84) Anthracene	9.298	178	439123	54.93	ng	100
85) Carbazole	9.469	167	423013	54.22	ng	99
86) Di-n-butylphthalate	9.864	149	533917	54.39	ng	99
87) Fluoranthene	10.553	202	424490	54.31	ng	95
89) Pyrene	10.810	202	442435	52.15	ng	95
90) Benzidine	10.719	184	225703	60.26	ng	97
92) 4,4'-DDE	10.954	246	69273	49.26	ng	90
93) 4,4'-DDD	11.344	235	144440	52.62	ng	81
94) Butylbenzylphthalate	11.611	149	233762	52.25	ng	89
95) 4,4'-DDT	11.702	235	120791	50.90	ng	81
96) 3,3'-Dichlorobenzidine	12.215	252	101572	53.71	ng	97
97) Benzo[a]anthracene	12.225	228	355053	52.53	ng	99
98) Chrysene	12.268	228	340844	51.10	ng	100
99) bis(2-Ethylhexyl)phtha...	12.322	149	328940	52.92	ng	99
101) Di-n-octylphthalate	13.069	149	531538	47.29	ng	99
102) Benzo[b]fluoranthene	13.438	252	310660	52.26	ng	96
103) Benzo[k]fluoranthene	13.465	252	303649	51.48	ng	95
104) Benzo[a]pyrene	13.775	252	295819	52.76	ng	95
105) Indeno[1,2,3-cd]pyrene	14.961	276	269483	52.80	ng	76
106) Dibenzo[a,h]anthracene	14.982	278	223411	52.78	ng	87
107) Benzo[g,h,i]perylene	15.276	276	227405	52.51	ng	80

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


Abundance
TIC: 5M64933.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M64933.D
Acq On : 03/ 1/11 09:38
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03701/11 09:54
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64933.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64933.D\data.ms
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32514.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/1/2011 9:41:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.50	40.00	40				0.000	0.00	
Pyridine	1	0		2.57	51.01	50			1.592	1.624	2.02	
N-Nitrosodimethylamine	1	0		2.51	49.92	50			0.968	0.966	0.16	
2-Fluorophenol	1	0	S	4.27	51.29	50			1.315	1.348	2.58	
Benzaldehyde	1	0		5.12	39.58	50			0.849	0.838	20.84	
Aniline	1	0		5.22	50.69	50			2.099	2.306	1.38	
Pentachloroethane	1	0		5.26	49.46	50			0.440	0.435	1.08	
bis(2-Chloroethyl)ether	1	0		5.29	49.00	50			1.517	1.486	2.00	
Phenol-d5	1	0	S	5.20	50.63	50			1.872	1.895	1.26	
Phenol	1	0	CC	5.22	50.89	50	20		2.062	2.098	1.78	
2-Chlorophenol	1	0		5.32	50.44	50			1.480	1.493	0.88	
N-Decane	1	0		5.38	49.45	50			1.681	1.663	1.10	
1,3-Dichlorobenzene	1	0		5.45	49.83	50			1.528	1.522	0.34	
1,4-Dichlorobenzene	1	0	CC	5.52	49.20	50	20		1.561	1.536	1.60	
1,2-Dichlorobenzene	1	0		5.64	49.44	50			1.457	1.441	1.12	
Benzyl alcohol	1	0		5.63	51.30	50			0.996	1.022	2.60	
bis(2-chloroisopropyl)ether	1	0		5.74	49.98	50			2.249	2.248	0.04	
2-Methylphenol	1	0		5.73	51.10	50			1.366	1.396	2.20	
Acetophenone	1	0		5.84	49.74	50			2.049	2.039	0.52	
Hexachloroethane	1	0		5.92	49.39	50			0.582	0.575	1.22	
N-Nitroso-di-n-propylamine	1	0	CP	5.85	50.47	50	0.05		1.134	1.144	0.94	
3&4-Methylphenol	1	0		5.85	51.43	50			1.408	1.448	2.86	
Naphthalene-d8	1	0	I	6.52	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.96	26.02	25			0.168	0.174	4.08	
Nitrobenzene	1	0		5.98	50.27	50			0.382	0.384	0.54	
Isophorone	1	0		6.17	49.73	50			0.740	0.736	0.54	
2-Nitrophenol	1	0	CC	6.23	53.19	50	20		0.174	0.185	6.38	
2,4-Dimethylphenol	1	0		6.27	50.79	50			0.360	0.365	1.58	
Benzoic Acid	1	0		6.37	50.84	50			0.229	0.225	1.68	
bis(2-Chloroethoxy)methane	1	0		6.34	50.41	50			0.443	0.447	0.82	
2,4-Dichlorophenol	1	0	CC	6.42	52.29	50	20		0.265	0.277	4.58	
1,2,4-Trichlorobenzene	1	0		6.48	49.95	50			0.287	0.286	0.10	
Naphthalene	1	0		6.54	48.19	50			1.125	1.085	3.62	
4-Chloroaniline	1	0		6.58	54.42	50			0.336	0.428	8.84	
Hexachlorobutadiene	1	0	CC	6.63	50.07	50	20		0.128	0.128	0.14	
Caprolactam	1	0		6.86	55.81	50			0.127	0.141	11.62	
4-Chloro-3-methylphenol	1	0	CC	6.94	52.06	50	20		0.321	0.335	4.12	
2-Methylnaphthalene	1	0		7.06	50.97	50			0.690	0.704	1.94	
Methylnaphthalenes	1	0		7.06	50.97	50	20			0.704	1.94	
1,1'-Biphenyl	1	0		7.42	50.84	50			0.911	0.926	1.68	
Acenaphthene-d10	1	0	I	7.91	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.19	50.84	50			0.448	0.456	1.68	
Hexachlorocyclopentadiene	1	0	CP	7.18	49.83	50	0.05		0.191	0.202	0.34	
2,4,6-Trichlorophenol	1	0	CC	7.28	51.57	50	20		0.302	0.311	3.14	
2,4,5-Trichlorophenol	1	0		7.31	53.17	50			0.319	0.339	6.34	
2-Fluorobiphenyl	1	0	S	7.34	25.02	25			1.281	1.282	0.08	
2-Chloronaphthalene	1	0		7.44	50.43	50			1.121	1.130	0.86	
1,4-Dimethylnaphthalene	1	0		7.71	51.30	50			0.875	0.898	2.60	
Dimethylnaphthalenes	1	0		7.71	51.30	50	20			0.898	2.60	
Diphenyl Ether	1	0		7.51	49.79	50			0.852	0.849	0.42	
2-Nitroaniline	1	0		7.52	52.51	50			0.444	0.466	5.02	
Coumarin	1	0		7.70	51.33				0.514			
Acenaphthylene	1	0		7.78	51.10	50			1.890	1.932	2.20	
Dimethylphthalate	1	0		7.67	50.64	50			1.299	1.315	1.28	
2,6-Dinitrotoluene	1	0		7.72	53.68	50			0.271	0.291	7.36	
Acenaphthene	1	0	CC	7.93	49.78	50	20		1.215	1.210	0.44	
3-Nitroaniline	1	0		7.86	59.01	50			0.302	0.356	18.02	
2,4-Dinitrophenol	1	0	CP	7.95	57.17	50	0.05		0.114	0.127	14.34	
Dibenzofuran	1	0		8.08	49.48	50			1.648	1.630	1.04	
2,4-Dinitrotoluene	1	0		8.07	50.52	50			0.358	0.396	1.04	
4-Nitrophenol	1	0	CP	8.00	46.91	50	0.05		0.259	0.277	6.18	
2,3,4,6-Tetrachlorophenol	1	0		8.19	54.00	50			0.231	0.250	8.00	
Fluorene	1	0		8.39	51.22	50			1.341	1.374	2.44	
4-Chlorophenyl-phenylether	1	0		8.39	51.16	50			0.545	0.558	2.32	
Diethylphthalate	1	0		8.28	51.05	50			1.323	1.351	2.10	
4-Nitroaniline	1	0		8.41	53.99	50			0.370	0.400	7.98	
Atrazine	1	0		9.03	52.72	50			0.337	0.356	5.44	
Phenanthrene-d10	1	0	I	9.32	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.44	54.50	50			0.093	0.111	9.00	
n-Nitrosodiphenylamine	1	0	CC	8.50	50.64	50	20		0.708	0.718	1.28	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M32514.D **Instrument:** GCMS 9

Cont Calibration Date/Time 3/1/2011 9:41:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.4.6-Tribromophenol	1	0	S	8.62	53.59	50			0.049	0.053	7.18	
1.2-Diphenylhydrazine	1	0		8.54	49.88	50			0.927	0.925	0.24	
4-Bromophenyl-phenylether	1	0		8.86	50.50	50			0.157	0.158	1.00	
Hexachlorobenzene	1	0		8.92	50.87	50			0.140	0.142	1.74	
N-Octadecane	1	0		9.21	51.73	50			0.644	0.666	3.46	
Pentachlorophenol	1	0	CC	9.13	53.65	50	20		0.089	0.096	7.30	
Phenanthrene	1	0		9.35	49.77	50			1.115	1.110	0.46	
Anthracene	1	0		9.40	50.58	50			1.129	1.142	1.16	
Carbazole	1	0		9.57	51.35	50			1.137	1.168	2.70	
Di-n-butylphthalate	1	0		9.97	52.90	50			1.348	1.426	5.80	
Fluoranthene	1	0	CC	10.66	52.29	50	20		1.118	1.169	4.58	
Chrysene-d12	1	0	I	12.35	40.00	40				0.000	0.00	
Pyrene	1	0		10.92	50.10	50			1.417	1.420	0.20	
Benzidine	1	0		10.82	50.85	50			0.431	0.646	1.70	
Terphenyl-d14	1	0	S	11.12	25.15	25			0.809	0.813	0.60	
p,p'-DDE	1	0		11.05	49.30				0.230			
p,p'-DDD	1	0		11.45	50.24				0.457			
Butylbenzylphthalate	1	0		11.71	51.84	50			0.737	0.764	3.68	
p,p'-DDT	1	0		11.80	43.75				0.335			
3,3'-Dichlorobenzidine	1	0		12.32	52.42	50			0.296	0.371	4.84	
Benzo[a]anthracene	1	0		12.34	50.12	50			1.171	1.174	0.24	
Chrysene	1	0		12.38	49.48	50			1.123	1.111	1.04	
bis(2-Ethylhexyl)phthalate	1	0		12.42	52.18	50			0.977	1.019	4.36	
Perylene-d12	1	0	I	13.94	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.16	46.21	50	20		1.967	2.035	7.58	
Benzo[b]fluoranthene	1	0		13.54	50.42	50			1.205	1.215	0.84	
Benzo[k]fluoranthene	1	0		13.58	49.68	50			1.187	1.180	0.64	
Benzo[a]pyrene	1	0	CC	13.89	50.28	50	20		1.121	1.127	0.56	
Indeno[1,2,3-cd]pyrene	1	0		15.10	50.70	50			1.110	1.126	1.40	
Dibenzo[a,h]anthracene	1	0		15.12	50.83	50			0.870	0.884	1.66	
Benzo[g,h,i]perylene	1	0		15.43	51.12	50			0.923	0.943	2.24	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.690	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.875	0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32514.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 10:00
Acq On : 03/ 1/11 09:41 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.505	152	87868	40.00	ng	0.00
29) Naphthalene-d8	6.521	136	348355	40.00	ng	-0.01
47) Acenaphthene-d10	7.906	164	188831	40.00	ng	-0.01
74) Phenanthrene-d10	9.324	188	310460	40.00	ng	-0.01
88) Chrysene-d12	12.351	240	259316	40.00	ng	0.00
100) Perylene-d12	13.940	264	223079	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	148108	51.29	ng	0.00
Spiked Amount 100.000			Recovery = 51.29%			
15) Phenol-d5	5.200	99	208168	50.63	ng	0.00
Spiked Amount 100.000			Recovery = 50.63%			
30) Nitrobenzene-d5	5.965	128	37972	26.02	ng	0.00
Spiked Amount 50.000			Recovery = 52.04%			
52) 2-Fluorobiphenyl	7.339	172	151295	25.02	ng	-0.02
Spiked Amount 50.000			Recovery = 50.04%			
77) 2,4,6-Tribromophenol	8.623	330	20458	53.59	ng	-0.01
Spiked Amount 100.000			Recovery = 53.59%			
91) Terphenyl-d14	11.116	244	131826	25.15	ng	-0.01
Spiked Amount 50.000			Recovery = 50.30%			
Target Compounds						Qvalue
8) Pyridine	2.568	79	178402	51.01	ng	81
9) N-Nitrosodimethylamine	2.510	74	106102	49.92	ng	75
11) Benzaldehyde	5.120	77	92029	39.58	ng	76
12) Aniline	5.221	93	253304	50.69	ng	40
13) Pentachloroethane	5.259	117	47769	49.46	ng	89
14) bis(2-Chloroethyl)ether	5.286	93	163258	49.00	ng	85
16) Phenol	5.216	94	230485	50.89	ng	76
17) 2-Chlorophenol	5.323	128	163994	50.44	ng	84
18) N-Decane	5.382	57	182635	49.45	ng	87
19) 1,3-Dichlorobenzene	5.451	146	167200	49.83	ng	98
20) 1,4-Dichlorobenzene	5.521	146	168697	49.20	ng	97
21) 1,2-Dichlorobenzene	5.644	146	158280	49.44	ng	98
22) Benzyl alcohol	5.628	108	112228	51.30	ng	73
23) bis(2-chloroisopropyl)...	5.740	45	246856	49.98	ng	95
24) 2-Methylphenol	5.729	108	153304	51.10	ng	99
25) Acetophenone	5.842	105	223916	49.74	ng	65
26) Hexachloroethane	5.922	117	63168	49.39	ng	97
27) N-Nitroso-di-n-propyla...	5.847	70	125668	50.47	ng	73
28) 3&4-Methylphenol	5.853	108	159036	51.43	ng	94
31) Nitrobenzene	5.976	77	167380	50.27	ng	82
32) Isophorone	6.168	82	320473	49.73	ng	88
33) 2-Nitrophenol	6.227	139	80618	53.19	ng	89
34) 2,4-Dimethylphenol	6.270	107	159106	50.79	ng	91
35) Benzoic Acid	6.371	105	98169	50.84	ng	87
36) bis(2-Chloroethoxy)met...	6.339	93	194545	50.41	ng	95
37) 2,4-Dichlorophenol	6.419	162	120588	52.29	ng	88
38) 1,2,4-Trichlorobenzene	6.478	180	124656	49.95	ng	99
39) Naphthalene	6.537	128	472248	48.19	ng	99
40) 4-Chloroaniline	6.580	127	186549	54.42	ng	99
41) Hexachlorobutadiene	6.628	225	55713	50.07	ng	97
42) Caprolactam	6.858	113	61530	55.81	ng	71
43) 4-Chloro-3-methylphenol	6.944	107	145706	52.06	ng	88
44) 2-Methylnaphthalene	7.056	142	306511	50.97	ng	100
45) Methylnaphthalenes (To...	7.056	142	306511	50.97	ng	100
46) 1,1'-Biphenyl	7.420	154	403369	50.84	ng	97
48) 1,2,4,5-Tetrachloroben...	7.190	216	107564	50.84	ng	96
49) Hexachlorocyclopentadiene	7.179	237	47651	49.83	ng	99
50) 2,4,6-Trichlorophenol	7.275	196	73402	51.57	ng	98
51) 2,4,5-Trichlorophenol	7.307	196	80017	53.17	ng	98
53) 2-Chloronaphthalene	7.441	162	266826	50.43	ng	96
54) 1,4-Dimethylnaphthalene	7.714	156	211990	51.30	ng	91
55) Dimethylnaphthalenes (...	7.714	156	211990	51.30	ng	91
56) Diphenyl Ether	7.505	170	200364	49.79	ng	83
57) 2-Nitroaniline	7.521	65	110017	52.51	ng	64
58) Coumarin	7.698	146	124522	51.33	ng	76
59) Acenaphthylene	7.783	152	455995	51.10	ng	99
60) Dimethylphthalate	7.671	163	310431	50.64	ng	98
61) 2,6-Dinitrotoluene	7.719	165	68794	53.68	ng	66
62) Acenaphthene	7.933	153	285508	49.78	ng	95
63) 3-Nitroaniline	7.864	138	84142	59.01	ng	68
64) 2,4-Dinitrophenol	7.955	184	29878	57.17	ng	82
65) Dibenzofuran	8.083	168	384837	49.48	ng	89

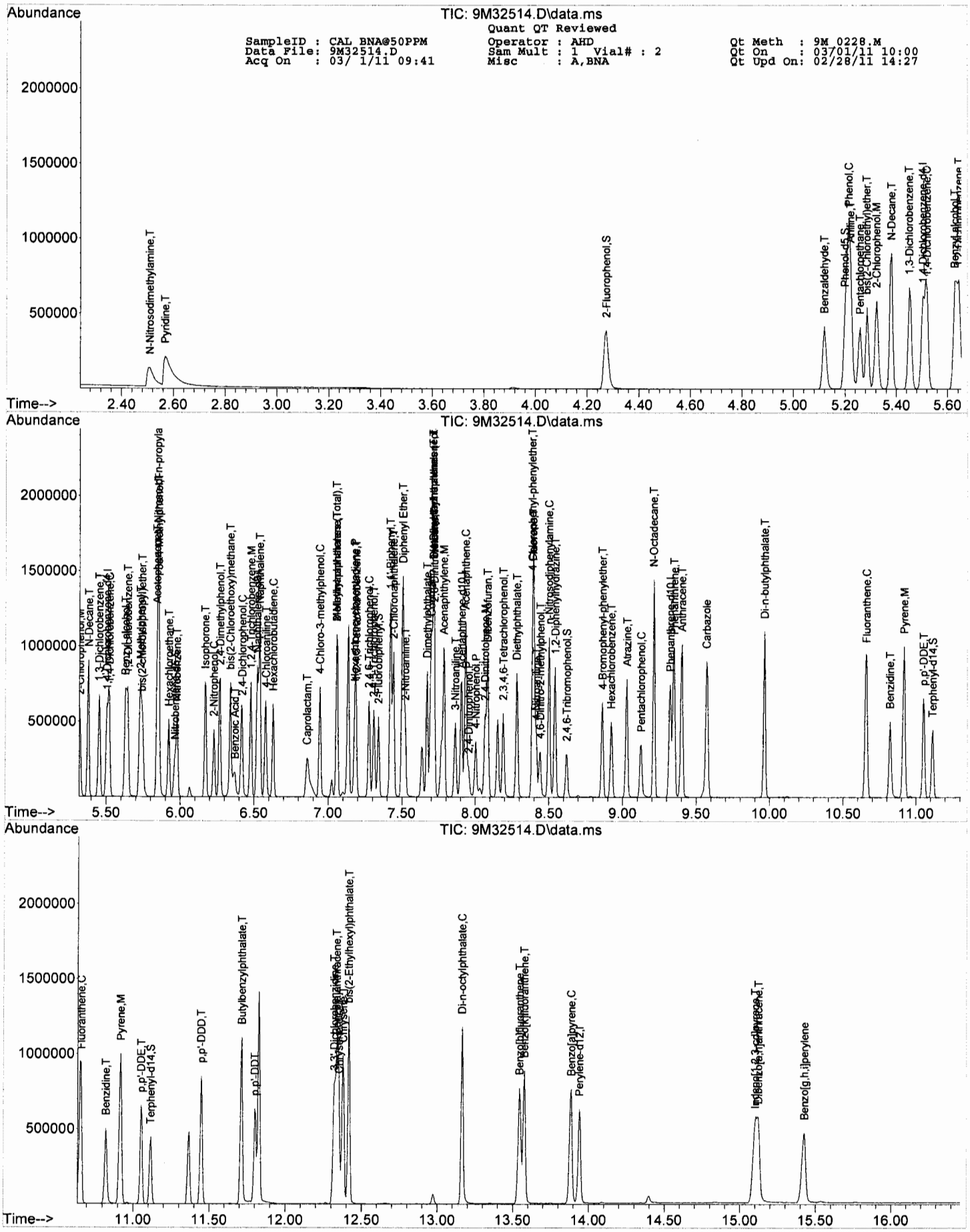
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32514.D Sam Mult : 1 Vial# : 2 Qt On : 03/01/11 10:00
Acq On : 03/ 1/11 09:41 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	2,4-Dinitrotoluene	8.067	165	93379	50.52	ng	68
67)	4-Nitrophenol	8.003	65	65425	46.91	ng	98
68)	2,3,4,6-Tetrachlorophenol	8.190	232	58993	54.00	ng	95
69)	Fluorene	8.393	166	324334	51.22	ng	98
70)	4-Chlorophenyl-phenyle...	8.388	204	131628	51.16	ng	97
71)	Diethylphthalate	8.281	149	318867	51.05	ng	97
72)	4-Nitroaniline	8.415	138	94310	53.99	ng	73
73)	Atrazine	9.030	200	83936	52.72	ng	96
75)	4,6-Dinitro-2-methylph...	8.441	198	42949	54.50	ng	51
76)	n-Nitrosodiphenylamine	8.500	169	278457	50.64	ng	99
78)	1,2-Diphenylhydrazine	8.543	77	358990	49.88	ng	83
79)	4-Bromophenyl-phenylether	8.864	248	61422	50.50	ng	98
80)	Hexachlorobenzene	8.923	284	55221	50.87	ng	93
81)	N-Octadecane	9.211	57	258563	51.73	ng	87
82)	Pentachlorophenol	9.126	266	37125	53.65	ng	97
83)	Phenanthrene	9.351	178	430799	49.77	ng	99
84)	Anthracene	9.404	178	443124	50.58	ng	99
85)	Carbazole	9.570	167	453270	51.35	ng	98
86)	Di-n-butylphthalate	9.966	149	553456	52.90	ng	98
87)	Fluoranthene	10.661	202	453680	52.29	ng	99
89)	Pyrene	10.918	202	460151	50.10	ng	97
90)	Benzidine	10.821	184	209436	50.85	ng	93
92)	p,p'-DDE	11.051	246	73566	49.30	ng	90
93)	p,p'-DDD	11.447	235	148769	50.24	ng	86
94)	Butylbenzylphthalate	11.715	149	247577	51.84	ng	79
95)	p,p'-DDT	11.800	235	108153	43.75	ng	92
96)	3,3'-Dichlorobenzidine	12.319	252	120235	52.42	ng	98
97)	Benzo[a]anthracene	12.335	228	380537	50.12	ng	99
98)	Chrysene	12.378	228	360076	49.48	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.415	149	330453	52.18	ng	92
101)	Di-n-octylphthalate	13.164	149	567452	46.21	ng	100
102)	Benzo[b]fluoranthene	13.544	252	338841	50.42	ng	97
103)	Benzo[k]fluoranthene	13.576	252	328930	49.68	ng	99
104)	Benzo[a]pyrene	13.886	252	314346	50.28	ng	99
105)	Indeno[1,2,3-cd]pyrene	15.100	276	313968	50.70	ng	88
106)	Dibenzo[a,h]anthracene	15.122	278	246541	50.83	ng	96
107)	Benzo[g,h,i]perylene	15.427	276	263012	51.12	ng	90

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


Abundance
TIC: 9M32514.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M32514.D
Acq On : 03/ 1/11 09:41
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M 0228.M
Qt On : 03/01/11 10:00
Qt Upd On: 02/28/11 14:27
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol,C
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M32514.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Hexachlorobutadiene,C
Diphenyl Ether,T
Acenaphthylene,M
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Time-->

Abundance
TIC: 9M32514.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,T
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M65030.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/4/2011 10:17:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.40	40.00	40				0.000	0.00	
Pyridine	1	0		2.41	49.65	50			1.861	1.848	0.70	
N-Nitrosodimethylamine	1	0		2.34	47.66	50			1.105	1.053	4.68	
2-Fluorophenol	1	0	S	4.16	49.42	50			1.331	1.316	1.16	
Chloroacetamide	1	0		4.44	49.82				0.355			
Benzaldehyde	1	0		5.01	49.27	50			0.856	0.918	1.46	
Aniline	1	0		5.11	54.81	50			1.971	2.160	9.62	
Pentachloroethane	1	0		5.15	47.05	50			0.476	0.448	5.90	
bis(2-Chloroethyl)ether	1	0		5.18	46.84	50			1.534	1.437	6.32	
Phenol-d5	1	0	S	5.11	51.50	50			1.823	1.878	3.00	
Phenol	1	0	CC	5.12	52.41	50	20		2.057	2.157	4.82	
2-Chlorophenol	1	0		5.22	50.37	50			1.385	1.396	0.74	
N-Decane	1	0		5.28	47.06	50			1.848	1.739	5.88	
3-Chlorophenol	1	0		6.41	53.12				1.346			
1.3-Dichlorobenzene	1	0		5.35	48.35	50			1.483	1.434	3.30	
1.4-Dichlorobenzene	1	0	CC	5.42	50.04	50	20		1.507	1.508	0.08	
1.2-Dichlorobenzene	1	0		5.54	50.07	50			1.397	1.399	0.14	
Benzyl alcohol	1	0		5.53	53.02	50			0.947	1.004	6.04	
bis(2-chloroisopropyl)ether	1	0		5.64	48.79	50			2.625	2.561	2.42	
2-Methylphenol	1	0		5.63	53.08	50			1.336	1.418	6.16	
Acetophenone	1	0		5.75	51.24	50			2.106	2.158	2.48	
Hexachloroethane	1	0		5.82	48.50	50			0.631	0.612	3.00	
N-Nitroso-di-n-propylamine	1	0	CP	5.75	51.78	50	0.05		1.092	1.131	3.56	
3&4-Methylphenol	1	0		5.76	53.20	50			1.422	1.513	6.40	
Naphthalene-d8	1	0	I	6.42	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.86	27.11	25			0.171	0.185	8.44	
Nitrobenzene	1	0		5.88	50.13	50			0.459	0.460	0.26	
Isophorone	1	0		6.07	53.31	50			0.798	0.851	6.62	
2-Nitrophenol	1	0	CC	6.13	55.33	50	20		0.180	0.199	10.66	
2.4-Dimethylphenol	1	0		6.17	52.78	50			0.376	0.397	5.56	
Benzoic Acid	1	0		6.26	58.96	50			0.251	0.294	17.92	
bis(2-Chloroethoxy)methane	1	0		6.24	50.92	50			0.470	0.479	1.84	
2.4-Dichlorophenol	1	0	CC	6.32	53.91	50	20		0.264	0.284	7.82	
1.2.4-Trichlorobenzene	1	0		6.38	50.70	50			0.296	0.300	1.40	
Naphthalene	1	0		6.44	49.00	50			1.059	1.038	2.00	
3-Chloroaniline	1	0		6.47	59.82				0.422			
4-Chloroaniline	1	0		6.48	55.54	50			0.338	0.376	11.08	
Hexachlorobutadiene	1	0	CC	6.54	49.40	50	20		0.128	0.127	1.20	
Caprolactam	1	0		6.75	58.36	50			0.113	0.132	16.72	
4-Chloro-3-methylphenol	1	0	CC	6.85	56.06	50	20		0.316	0.355	12.12	
2-Methylnaphthalene	1	0		6.96	52.68	50			0.637	0.672	5.36	
Methylnaphthalenes	1	0		6.96	52.87	50	20			0.673	5.74	
2.4-Dichloroaniline	1	0		7.08	53.01				0.306			
1.1'-Biphenyl	1	0		7.32	51.97	50			0.852	0.886	3.94	
Acenaphthene-d10	1	0	I	7.80	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.09	49.03	50			0.488	0.478	1.94	
Hexachlorocyclopentadiene	1	0	CP	7.08	45.70	50	0.05		0.184	0.182	8.60	
2.4.6-Trichlorophenol	1	0	CC	7.18	54.16	50	20		0.306	0.331	8.32	
2.4.5-Trichlorophenol	1	0		7.21	54.22	50			0.333	0.361	8.44	
2-Fluorobiphenyl	1	0	S	7.24	24.49	25			1.287	1.261	2.04	
1.2.3.4-Tetrachlorobenzene	1	0		7.31	48.29				0.373			
2-Chloronaphthalene	1	0		7.34	50.33	50			1.105	1.112	0.66	
3.4-Dichlorophenol	1	0		7.41	53.92				0.491			
3.4-Dichloroaniline	1	0		7.52	55.56				0.453			
1.4-Dimethylnaphthalene	1	0		7.61	50.71	50			0.832	0.844	1.42	
Dimethylnaphthalenes	1	0		7.61	50.71	50	20			0.844	1.42	
Diphenyl Ether	1	0		7.41	49.26	50			0.819	0.807	1.48	
2-Nitroaniline	1	0		7.42	53.18	50			0.577	0.613	6.36	
Coumarin	1	0		7.59	54.09				0.501			
Acenaphthylene	1	0		7.68	51.31	50			1.867	1.916	2.62	
Dimethylphthalate	1	0		7.57	52.57	50			1.237	1.301	5.14	
2.6-Dinitrotoluene	1	0		7.62	53.70	50			0.269	0.289	7.40	
Acenaphthene	1	0	CC	7.83	50.09	50	20		1.153	1.155	0.18	
3-Nitroaniline	1	0		7.76	59.77	50			0.310	0.370	19.54	
2.4-Dinitrophenol	1	0	CP	7.85	58.61	50	0.05		0.131	0.159	17.22	
Pentachlorobenzene	1	0		7.94	51.41				0.339			
Dibenzofuran	1	0		7.98	49.59	50			1.572	1.559	0.82	
2.4.5-Trichloroaniline	1	0		8.03	54.34				0.416			
2.4-Dinitrotoluene	1	0		7.96	56.02	50			0.353	0.395	12.04	
4-Nitrophenol	1	0	CP	7.91	52.42	50	0.05		0.303	0.356	4.84	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M65030.D **Instrument:** GCMS 5

Cont Calibration Date/Time 3/4/2011 10:17:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.3.4.5-Tetrachlorophenol	1	0		8.07	56.47				0.249			
2.3.4.6-Tetrachlorophenol	1	0		8.09	47.45	50			0.215	0.219	5.10	
Fluorene	1	0		8.29	52.11	50			1.196	1.246	4.22	
4-Chlorophenyl-phenylether	1	0		8.28	50.43	50			0.488	0.492	0.86	
Diethylphthalate	1	0		8.18	50.80	50			1.295	1.315	1.60	
4-Nitroaniline	1	0		8.30	57.40	50			0.350	0.402	14.80	
2.3.5.6-Tetrachloroaniline	1	0		8.43	52.18				0.350			
Atrazine	1	0		8.92	57.67	50			0.309	0.356	15.34	
Phenanthrene-d10	1	0	I	9.21	40.00	40				0.000	0.00	
4.6-Dinitro-2-methylphenol	1	0		8.34	52.07	50			0.108	0.121	4.14	
n-Nitrosodiphenylamine	1	0	CC	8.40	50.22	50	20		0.647	0.649	0.44	
2.4.6-Tribromophenol	1	0	S	8.51	53.40	50			0.054	0.057	6.80	
1.2-Diphenylhydrazine	1	0		8.43	49.29	50			1.178	1.161	1.42	
4-Bromophenyl-phenylether	1	0		8.76	51.88	50			0.143	0.148	3.76	
Hexachlorobenzene	1	0		8.82	49.53	50			0.142	0.141	0.94	
N-Octadecane	1	0		9.11	51.55	50			0.688	0.710	3.10	
Pentachloronitrobenzene	1	0		9.03	54.35				0.069			
Pentachlorophenol	1	0	CC	9.02	50.35	50	20		0.079	0.089	0.70	
Phenanthrene	1	0		9.24	49.00	50			1.077	1.056	2.00	
Anthracene	1	0		9.29	51.19	50			1.072	1.097	2.38	
Pentachloroaniline	1	0		9.49	50.32				0.152			
Carbazole	1	0		9.46	51.62	50			1.071	1.106	3.24	
Di-n-butylphthalate	1	0		9.86	54.99	50			1.253	1.378	9.98	
Parathion	1	0		10.06	54.20				0.037			
Fluoranthene	1	0	CC	10.55	52.16	50	20		1.036	1.081	4.32	
Chrysene-d12	1	0	I	12.24	40.00	40				0.000	0.00	
Pyrene	1	0		10.80	49.73	50			1.406	1.399	0.54	
Benzidine	1	0		10.71	64.04	50			0.340	0.574	28.08	
Terphenyl-d14	1	0	S	11.01	24.86	25			0.780	0.775	0.56	
4.4'-DDE	1	0		10.94	50.54				0.229			
4.4'-DDD	1	0		11.34	52.22				0.449			
Di-n-hexyl phthalate	1	0		11.54	51.19				1.616			
Butylbenzylphthalate	1	0		11.61	53.00	50			0.720	0.806	6.00	
4.4'-DDT	1	0		11.70	49.55				0.394			
3.3'-Dichlorobenzidine	1	0		12.21	56.02	50			0.276	0.366	12.04	
Benzo[a]anthracene	1	0		12.23	49.15	50			1.115	1.096	1.70	
Chrysene	1	0		12.26	49.78	50			1.126	1.121	0.44	
bis(2-Ethylhexyl)phthalate	1	0		12.31	53.57	50			0.913	1.097	7.14	
Perylene-d12	1	0	I	13.83	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.06	59.69	50	20		1.625	2.129	19.38	
Benzo[b]fluoranthene	1	0		13.43	51.78	50			1.063	1.100	3.56	
Benzo[k]fluoranthene	1	0		13.43	48.39	50			1.137	1.100	3.22	
Benzo[a]pyrene	1	0	CC	13.77	52.84	50	20		1.055	1.115	5.68	
Indeno[1.2.3-cd]pyrene	1	0		14.96	52.85	50			0.980	1.036	5.70	
Dibenzo[a,h]anthracene	1	0		14.98	54.22	50			0.801	0.869	8.44	
Benzo[g,h,i]perylene	1	0		15.28	52.26	50			0.849	0.888	4.52	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.637	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2.2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.832	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65030.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:33
Acq On : 03/ 4/11 10:17 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	77279	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	289878	40.00	ng	0.00
51) Acenaphthene-d10	7.802	164	157346	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	271742	40.00	ng	0.00
102) Chrysene-d12	12.236	240	221464	40.00	ng	0.00
115) Perylene-d12	13.828	264	198402	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	127121	49.42	ng	0.00
Spiked Amount 100.000			Recovery = 49.42%			
16) Phenol-d5	5.110	99	181413	51.50	ng	0.00
Spiked Amount 100.000			Recovery = 51.50%			
32) Nitrobenzene-d5	5.863	128	33507	27.11	ng	0.00
Spiked Amount 50.000			Recovery = 54.22%			
56) 2-Fluorobiphenyl	7.241	172	123984	24.49	ng	0.00
Spiked Amount 50.000			Recovery = 48.98%			
88) 2,4,6-Tribromophenol	8.513	330	19426	53.40	ng	0.00
Spiked Amount 100.000			Recovery = 53.40%			
105) Terphenyl-d14	11.007	244	107302	24.86	ng	0.00
Spiked Amount 50.000			Recovery = 49.72%			
Target Compounds						Qvalue
8) Pyridine	2.406	79	178478	49.65	ng	83
9) N-Nitrosodimethylamine	2.342	74	101731	47.66	ng	87
11) Chloroacetamide	4.436	93	34157	49.82	ng	38
12) Benzaldehyde	5.013	77	88666	49.27	ng	86
13) Aniline	5.115	93	208696	54.81	ng	78
14) Pentachloroethane	5.152	117	43277	47.05	ng	92
15) bis(2-Chloroethyl)ether	5.184	93	138782	46.84	ng	91
17) Phenol	5.120	94	208324	52.41	ng	78
18) 2-Chlorophenol	5.222	128	134820	50.37	ng	91
19) N-Decane	5.281	57	167993	47.06	ng	94
20) 3-Chlorophenol	6.413	128	138131	53.12	ng	89
21) 1,3-Dichlorobenzene	5.350	146	138503	48.35	ng	98
22) 1,4-Dichlorobenzene	5.419	146	145704	50.04	ng	97
23) 1,2-Dichlorobenzene	5.542	146	135173	50.07	ng	98
24) Benzyl alcohol	5.532	108	96989	53.02	ng	80
25) bis(2-chloroisopropyl)...	5.644	45	247382	48.79	ng	97
26) 2-Methylphenol	5.633	108	136991	53.08	ng	97
27) Acetophenone	5.745	105	208498	51.24	ng	67
28) Hexachloroethane	5.820	117	59131	48.50	ng	93
29) N-Nitroso-di-n-propyla...	5.751	70	109233	51.78	ng	81
30) 3&4-Methylphenol	5.761	108	146156	53.20	ng	100
33) Nitrobenzene	5.879	77	166826	50.13	ng	91
34) Isophorone	6.071	82	308223	53.31	ng	98
35) 2-Nitrophenol	6.130	139	72178	55.33	ng	85
36) 2,4-Dimethylphenol	6.173	107	143785	52.78	ng	97
37) Benzoic Acid	6.264	105	106624	58.96	ng	94
38) bis(2-Chloroethoxy)met...	6.242	93	173494	50.92	ng	98
39) 2,4-Dichlorophenol	6.322	162	103048	53.91	ng	93
40) 1,2,4-Trichlorobenzene	6.381	180	108827	50.70	ng	98
41) Naphthalene	6.440	128	376007	49.00	ng	99
42) 3-Chloroaniline	6.467	127	182876	59.82	ng	94
43) 4-Chloroaniline	6.483	127	136088	55.54	ng	84
44) Hexachlorobutadiene	6.536	225	45940	49.40	ng	95
45) Caprolactam	6.750	113	47973	58.36	ng	67
46) 4-Chloro-3-methylphenol	6.851	107	128557	56.06	ng	93
47) 2-Methylnaphthalene	6.963	142	243367	52.68	ng	98
48) Methylnaphthalenes (To...	6.963	142	243981	52.87	ng	98
49) 2,4-Dichloroaniline	7.081	161	117643	53.01	ng	93
50) 1,1'-Biphenyl	7.321	154	321050	51.97	ng	98
52) 1,2,4,5-Tetrachloroben...	7.092	216	94112	49.03	ng	98
53) Hexachlorocyclopentadiene	7.081	237	35886	45.70	ng	95
54) 2,4,6-Trichlorophenol	7.177	196	65099	54.16	ng	97
55) 2,4,5-Trichlorophenol	7.214	196	71041	54.22	ng	98
57) 1,2,3,4-Tetrachloroben...	7.311	214	70875	48.29	ng	53
58) 2-Chloronaphthalene	7.343	162	218768	50.33	ng	95
59) 3,4-Dichlorophenol	7.407	162	104060	53.92	ng	92
60) 3,4-Dichloroaniline	7.524	161	114242	55.56	ng	98
61) 1,4-Dimethylnaphthalene	7.610	156	165966	50.71	ng	97
62) Dimethylnaphthalenes (...	7.610	156	165966	50.71	ng	97
63) Diphenyl Ether	7.407	170	158627	49.26	ng	88
64) 2-Nitroaniline	7.417	65	120642	53.18	ng	89
65) Coumarin	7.594	146	106508	54.09	ng	78

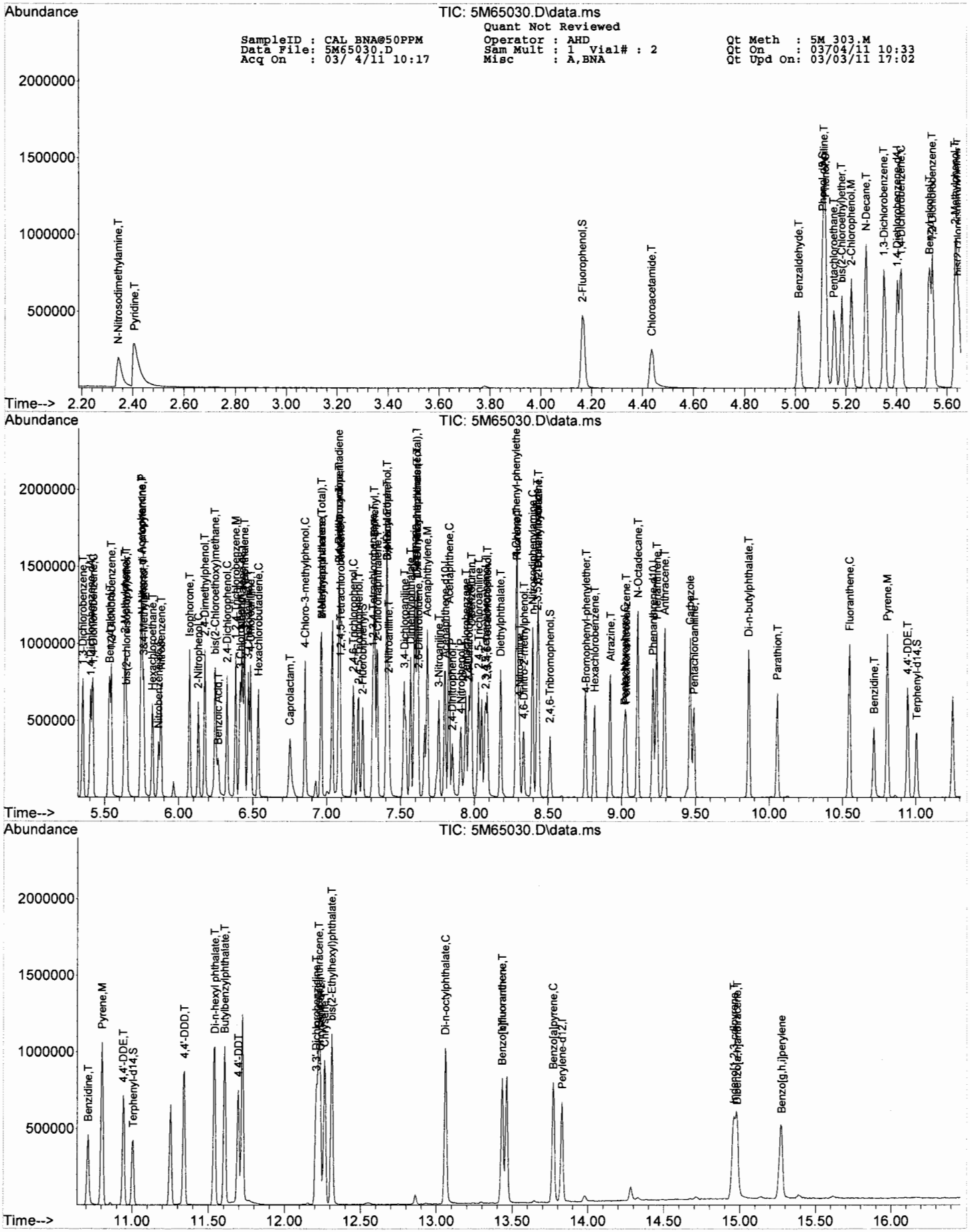
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65030.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:33
Acq On : 03/ 4/11 10:17 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
66) Acenaphthylene	7.679	152	376907	51.31 ng	99
67) Dimethylphthalate	7.567	163	255876	52.57 ng	99
68) 2,6-Dinitrotoluene	7.620	165	56904	53.70 ng	77
69) Acenaphthene	7.829	153	227160	50.09 ng	98
70) 3-Nitroaniline	7.759	138	72796	59.77 ng	84
71) 2,4-Dinitrophenol	7.850	184	31229	58.61 ng	66
72) Pentachlorobenzene	7.941	250	68534	51.41 ng	98
73) Dibenzofuran	7.978	168	306690	49.59 ng	91
74) 2,4,5-Trichloroaniline	8.026	195	88935	54.34 ng	99
75) 2,4-Dinitrotoluene	7.962	165	77678	56.02 ng	93
76) 4-Nitrophenol	7.909	65	70003	52.42 ng	87
77) 2,3,4,5-Tetrachlorophenol	8.075	232	55328	56.47 ng	98
78) 2,3,4,6-Tetrachlorophenol	8.085	232	43154	47.45 ng	95
79) Fluorene	8.288	166	245102	52.11 ng	100
80) 4-Chlorophenyl-phenyle...	8.283	204	96750	50.43 ng	95
81) Diethylphthalate	8.176	149	258701	50.80 ng	98
82) 4-Nitroaniline	8.304	138	78988	57.40 ng	91
83) 2,3,5,6-Tetrachloroani...	8.427	231	71871	52.18 ng	98
84) Atrazine	8.924	200	70018	57.67 ng	99
86) 4,6-Dinitro-2-methylph...	8.336	198	41130	52.07 ng	33
87) n-Nitrosodiphenylamine	8.395	169	220554	50.22 ng	99
89) 1,2-Diphenylhydrazine	8.432	77	394363	49.29 ng	98
90) 4-Bromophenyl-phenylether	8.758	248	50332	51.88 ng	97
91) Hexachlorobenzene	8.817	284	47744	49.53 ng	94
92) N-Octadecane	9.111	57	241052	51.55 ng	94
93) Pentachloronitrobenzene	9.031	237	25348	54.35 ng	91
94) Pentachlorophenol	9.020	266	30132	50.35 ng	97
95) Phenanthrene	9.239	178	358604	49.00 ng	99
96) Anthracene	9.293	178	372773	51.19 ng	99
97) Pentachloroaniline	9.490	265	52125	50.32 ng	98
98) Carbazole	9.464	167	375777	51.62 ng	99
99) Di-n-butylphthalate	9.859	149	468106	54.99 ng	99
100) Parathion	10.057	291	15243	54.20 ng	92
101) Fluoranthene	10.548	202	367101	52.16 ng	94
103) Pyrene	10.804	202	387292	49.73 ng	99
104) Benzidine	10.714	184	158791	64.04 ng	95
106) 4,4'-DDE	10.943	246	63972	50.54 ng	90
107) 4,4'-DDD	11.344	235	129855	52.22 ng	82
108) Di-n-hexyl phthalate	11.542	149	519376	51.19 ng	100
109) Butylbenzylphthalate	11.606	149	223057	53.00 ng	88
110) 4,4'-DDT	11.697	235	108007	49.55 ng	82
111) 3,3'-Dichlorobenzidine	12.209	252	101367	56.02 ng	98
112) Benzo[a]anthracene	12.225	228	303439	49.15 ng	99
113) Chrysene	12.263	228	310443	49.78 ng	98
114) bis(2-Ethylhexyl)phtha...	12.311	149	303576	53.57 ng	99
116) Di-n-octylphthalate	13.059	149	528070	59.69 ng	100
117) Benzo[b]fluoranthene	13.433	252	272915	51.78 ng	96
118) Benzo[k]fluoranthene	13.433	252	272915	48.39 ng	97
119) Benzo[a]pyrene	13.769	252	276625	52.84 ng	96
120) Indeno[1,2,3-cd]pyrene	14.961	276	256927	52.85 ng	79
121) Dibenzo[a,h]anthracene	14.982	278	215471	54.22 ng	91
122) Benzo[g,h,i]perylene	15.276	276	220123	52.26 ng	92

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


Abundance
TIC: 5M65030.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M65030.D
Acq On : 03/ 4/11 10:17
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03704/11 10:33
Qt Upd On: 03/03/11 17:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
2-Chlorophenol,M
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Hexachlorobutadiene,C
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
N-Octadecane,T
Anthracene,T
Pentachloroanisole,C
Carbazole
Di-n-butylphthalate,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Benzidine,T
Pyrene,M
4,4'-DDE,S
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19709.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/4/2011 10:20:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.63	40.00	40				0.000	0.00	
Pyridine	1	0		2.78	53.19	50			1.496	1.592	6.38	
N-Nitrosodimethylamine	1	0		2.71	51.67	50			0.908	0.939	3.34	
2-Fluorophenol	1	0	S	4.42	52.14	50			1.344	1.401	4.28	
Chloroacetamide	1	0		4.69	48.51				0.325			
Benzaldehyde	1	0		5.25	41.75	50			0.789	0.814	16.50	
Aniline	1	0		5.35	55.44	50			1.904	2.112	10.88	
Pentachloroethane	1	0		5.39	50.32	50			0.462	0.465	0.64	
bis(2-Chloroethyl)ether	1	0		5.41	49.50	50			1.384	1.370	1.00	
Phenol-d5	1	0	S	5.32	51.28	50			1.714	1.758	2.56	
Phenol	1	0	CC	5.33	51.70	50	20		1.881	1.946	3.40	
2-Chlorophenol	1	0		5.45	50.88	50			1.371	1.395	1.76	
N-Decane	1	0		5.50	53.54	50			1.895	2.029	7.08	
3-Chlorophenol	1	0		6.61	49.93				1.460			
1,3-Dichlorobenzene	1	0		5.59	50.96	50			1.489	1.517	1.92	
1,4-Dichlorobenzene	1	0	CC	5.65	50.55	50	20		1.503	1.519	1.10	
1,2-Dichlorobenzene	1	0		5.77	51.89	50			1.414	1.467	3.78	
Benzyl alcohol	1	0		5.75	52.09	50			0.940	0.979	4.18	
bis(2-chloroisopropyl)ether	1	0		5.86	50.91	50			3.138	3.194	1.82	
2-Methylphenol	1	0		5.85	51.70	50			1.321	1.366	3.40	
Acetophenone	1	0		5.96	50.58	50			2.017	2.040	1.16	
Hexachloroethane	1	0		6.05	50.00	50			0.623	0.623	0.00	
N-Nitroso-di-n-propylamine	1	0	CP	5.96	51.81	50	0.05		1.001	1.038	3.62	
3&4-Methylphenol	1	0		5.97	51.72	50			1.283	1.327	3.44	
Naphthalene-d8	1	0	I	6.64	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.09	25.35	25			0.168	0.171	1.40	
Nitrobenzene	1	0		6.10	50.33	50			0.383	0.385	0.66	
Isophorone	1	0		6.29	49.85	50			0.694	0.692	0.30	
2-Nitrophenol	1	0	CC	6.35	53.14	50	20		0.186	0.197	6.28	
2,4-Dimethylphenol	1	0		6.38	51.83	50			0.346	0.358	3.66	
Benzoic Acid	1	0		6.46	48.56	50			0.243	0.250	2.88	
bis(2-Chloroethoxy)methane	1	0		6.46	49.81	50			0.409	0.408	0.38	
2,4-Dichlorophenol	1	0	CC	6.54	51.22	50	20		0.275	0.281	2.44	
1,2,4-Trichlorobenzene	1	0		6.60	50.70	50			0.294	0.298	1.40	
Naphthalene	1	0		6.66	52.53	50			1.006	1.057	5.06	
3-Chloroaniline	1	0		6.68	44.80				0.444			
4-Chloroaniline	1	0		6.70	52.63	50			0.313	0.330	5.26	
Hexachlorobutadiene	1	0	CC	6.75	48.50	50	20		0.137	0.133	3.00	
Caprolactam	1	0		6.97	44.39	50			0.128	0.121	11.22	
4-Chloro-3-methylphenol	1	0	CC	7.06	51.31	50	20		0.310	0.318	2.62	
2-Methylnaphthalene	1	0		7.18	49.30	50			0.648	0.639	1.40	
Methylnaphthalenes	1	0		7.18	49.30	50	20			0.639	1.40	
2,4-Dichloroaniline	1	0		7.31	50.79				0.320			
1,1'-Biphenyl	1	0		7.55	49.12	50			0.837	0.822	1.76	
Acenaphthene-d10	1	0	I	8.05	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.31	50.51	50			0.453	0.458	1.02	
Hexachlorocyclopentadiene	1	0	CP	7.31	50.07	50	0.05		0.235	0.235	0.14	
2,4,6-Trichlorophenol	1	0	CC	7.40	51.67	50	20		0.318	0.328	3.34	
2,4,5-Trichlorophenol	1	0		7.44	51.06	50			0.343	0.350	2.12	
2-Fluorobiphenyl	1	0	S	7.47	24.80	25			1.215	1.205	0.80	
1,2,3,4-Tetrachlorobenzene	1	0		7.54	50.74				0.345			
2-Chloronaphthalene	1	0		7.57	50.24	50			1.080	1.085	0.48	
3,4-Dichlorophenol	1	0		7.62	51.67				0.508			
3,4-Dichloroaniline	1	0		7.76	55.16				0.458			
1,4-Dimethylnaphthalene	1	0		7.85	51.05	50			0.760	0.768	2.10	
Dimethylnaphthalenes	1	0		7.85	51.05	50	20			0.768	2.10	
Diphenyl Ether	1	0		7.63	50.15	50			0.794	0.796	0.30	
2-Nitroaniline	1	0		7.65	51.08	50			0.475	0.485	2.16	
Coumarin	1	0		7.83	51.52				0.484			
Acenaphthylene	1	0		7.92	49.87	50			1.728	1.723	0.26	
Dimethylphthalate	1	0		7.79	45.22	50			1.345	1.225	9.56	
2,6-Dinitrotoluene	1	0		7.85	50.17	50			0.265	0.266	0.34	
Acenaphthene	1	0	CC	8.07	49.96	50	20		1.062	1.061	0.08	
3-Nitroaniline	1	0		8.00	54.64	50			0.303	0.331	9.28	
2,4-Dinitrophenol	1	0	CP	8.09	45.66	50	0.05		0.148	0.141	8.68	
Pentachlorobenzene	1	0		8.18	48.99				0.365			
Dibenzofuran	1	0		8.22	48.49	50			1.519	1.473	3.02	
2,4,5-Trichloroaniline	1	0		8.27	52.78				0.417			
2,4-Dinitrotoluene	1	0		8.20	50.90	50			0.379	0.386	1.80	
4-Nitrophenol	1	0	CP	8.13	46.20	50	0.05		0.289	0.295	7.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M19709.D **Instrument:** GCMS 10

Cont Calibration Date/Time 3/4/2011 10:20:00 A Method: EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
2.3.4.5-Tetrachlorophenol	1	0		8.31	56.18				0.259			
2.3.4.6-Tetrachlorophenol	1	0		8.33	40.30	50			0.221	0.195	19.40	
Fluorene	1	0		8.54	50.44	50			1.210	1.221	0.88	
4-Chlorophenyl-phenylether	1	0		8.53	49.72	50			0.513	0.510	0.56	
Diethylphthalate	1	0		8.42	49.73	50			1.272	1.265	0.54	
4-Nitroaniline	1	0		8.55	51.69	50			0.359	0.372	3.38	
2.3.5.6-Tetrachloroaniline	1	0		8.68	49.03				0.356			
Atrazine	1	0		9.17	47.82	50			0.334	0.320	4.36	
Phenanthrene-d10	1	0	I	9.48	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.57	49.76	50			0.116	0.129	0.48	
n-Nitrosodiphenylamine	1	0	CC	8.64	52.20	50	20		0.668	0.698	4.40	
2.4.6-Tribromophenol	1	0	S	8.77	49.92	50			0.072	0.072	0.16	
1.2-Diphenylhydrazine	1	0		8.68	56.30	50			0.881	0.992	12.60	
4-Bromophenyl-phenylether	1	0		9.01	49.57	50			0.167	0.165	0.86	
Hexachlorobenzene	1	0		9.08	49.64	50			0.162	0.160	0.72	
N-Octadecane	1	0		9.35	54.72	50			0.713	0.780	9.44	
Pentachloronitrobenzene	1	0		9.29	50.93				0.081			
Pentachlorophenol	1	0	CC	9.28	44.42	50	20		0.095	0.099	11.16	
Phenanthrene	1	0		9.51	50.95	50			1.053	1.073	1.90	
Anthracene	1	0		9.56	50.74	50			1.079	1.094	1.48	
Pentachloroaniline	1	0		9.76	50.33				0.178			
Carbazole	1	0		9.73	50.80	50			1.105	1.122	1.60	
Di-n-butylphthalate	1	0		10.11	52.66	50			1.311	1.381	5.32	
Parathion	1	0		10.31	51.33				0.050			
Fluoranthene	1	0	CC	10.82	51.28	50	20		1.103	1.132	2.56	
Chrysene-d12	1	0	I	12.51	40.00	40				0.000	0.00	
Pyrene	1	0		11.08	49.20	50			1.337	1.316	1.60	
Benzidine	1	0		10.98	48.23	50			0.408	0.552	3.54	
Terphenyl-d14	1	0	S	11.27	25.03	25			0.809	0.810	0.12	
4,4'-DDE	1	0		11.21	48.02				0.242			
4,4'-DDD	1	0		11.60	50.36				0.454			
Di-n-hexyl phthalate	1	0		11.79	48.66				1.610			
Butylbenzylphthalate	1	0		11.86	50.92	50			0.699	0.712	1.84	
4,4'-DDT	1	0		11.96	50.56				0.372			
3,3'-Dichlorobenzidine	1	0		12.47	51.45	50			0.292	0.367	2.90	
Benzo[a]anthracene	1	0		12.50	50.54	50			1.083	1.094	1.08	
Chrysene	1	0		12.54	49.20	50			1.069	1.052	1.60	
bis(2-Ethylhexyl)phthalate	1	0		12.56	53.05	50			0.888	0.943	6.10	
Perylene-d12	1	0	I	14.11	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.30	50.49	50	20		1.627	1.775	0.98	
Benzo[b]fluoranthene	1	0		13.70	51.27	50			1.049	1.075	2.54	
Benzo[k]fluoranthene	1	0		13.74	51.03	50			1.068	1.090	2.06	
Benzo[a]pyrene	1	0	CC	14.05	52.40	50	20		1.025	1.075	4.80	
Indeno[1,2,3-cd]pyrene	1	0		15.32	52.18	50			1.044	1.089	4.36	
Dibenzo[a,h]anthracene	1	0		15.34	53.30	50			0.846	0.902	6.60	
Benzo[g,h,i]perylene	1	0		15.67	51.31	50			0.909	0.933	2.62	
Endrin	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.648	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2.4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2.2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.760	0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19709.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:35
Acq On : 03/ 4/11 10:20 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	83535	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	333235	40.00	ng	0.00
51) Acenaphthene-d10	8.045	164	183558	40.00	ng	0.00
85) Phenanthrene-d10	9.479	188	286763	40.00	ng	-0.01
102) Chrysene-d12	12.512	240	251737	40.00	ng	-0.01
115) Perylene-d12	14.105	264	230191	40.00	ng	-0.01
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	146308	52.14	ng	0.00
Spiked Amount 100.000			Recovery = 52.14%			
16) Phenol-d5	5.323	99	183574	51.28	ng	0.00
Spiked Amount 100.000			Recovery = 51.28%			
32) Nitrobenzene-d5	6.088	128	35552	25.35	ng	0.00
Spiked Amount 50.000			Recovery = 50.70%			
56) 2-Fluorobiphenyl	7.468	172	138263	24.80	ng	-0.01
Spiked Amount 50.000			Recovery = 49.60%			
88) 2,4,6-Tribromophenol	8.768	330	25722	49.92	ng	-0.01
Spiked Amount 100.000			Recovery = 49.92%			
105) Terphenyl-d14	11.271	244	127365	25.03	ng	-0.01
Spiked Amount 50.000			Recovery = 50.06%			
Target Compounds						Qvalue
8) Pyridine	2.782	79	166214	53.19	ng	95
9) N-Nitrosodimethylamine	2.713	74	98008	51.67	ng	98
11) Chloroacetamide	4.687	93	36027	48.51	ng	40
12) Benzaldehyde	5.253	77	85024	41.75	ng	79
13) Aniline	5.350	93	220500	55.44	ng	77
14) Pentachloroethane	5.393	117	48527	50.32	ng	85
15) bis(2-Chloroethyl)ether	5.414	93	143059	49.50	ng	93
17) Phenol	5.334	94	203154	51.70	ng	93
18) 2-Chlorophenol	5.451	128	145635	50.88	ng	90
19) N-Decane	5.500	57	211849	53.54	ng	95
20) 3-Chlorophenol	6.612	128	152218	49.93	ng	95
21) 1,3-Dichlorobenzene	5.585	146	158448	50.96	ng	97
22) 1,4-Dichlorobenzene	5.649	146	158621	50.55	ng	98
23) 1,2-Dichlorobenzene	5.772	146	153226	51.89	ng	97
24) Benzyl alcohol	5.751	108	102218	52.09	ng	76
25) bis(2-chloroisopropyl)...	5.863	45	333549	50.91	ng	92
26) 2-Methylphenol	5.847	108	142638	51.70	ng	98
27) Acetophenone	5.965	105	213005	50.58	ng	78
28) Hexachloroethane	6.045	117	65051	50.00	ng	94
29) N-Nitroso-di-n-propyla...	5.965	70	108353	51.81	ng	97
30) 3&4-Methylphenol	5.970	108	138606	51.72	ng	99
33) Nitrobenzene	6.099	77	160544	50.33	ng	86
34) Isophorone	6.291	82	288187	49.85	ng	87
35) 2-Nitrophenol	6.350	139	82148	53.14	ng	88
36) 2,4-Dimethylphenol	6.382	107	149276	51.83	ng	98
37) Benzoic Acid	6.462	105	103930	48.56	ng	89
38) bis(2-Chloroethoxy)met...	6.457	93	169748	49.81	ng	96
39) 2,4-Dichlorophenol	6.537	162	117223	51.22	ng	86
40) 1,2,4-Trichlorobenzene	6.601	180	124302	50.70	ng	95
41) Naphthalene	6.660	128	440219	52.53	ng	99
42) 3-Chloroaniline	6.682	127	199431	44.80	ng	99
43) 4-Chloroaniline	6.698	127	137278	52.63	ng	88
44) Hexachlorobutadiene	6.751	225	55510	48.50	ng	97
45) Caprolactam	6.965	113	50576	44.39	ng	68
46) 4-Chloro-3-methylphenol	7.061	107	132589	51.31	ng	84
47) 2-Methylnaphthalene	7.184	142	266017	49.30	ng	99
48) Methylnaphthalenes (To...	7.184	142	266017	49.30	ng	99
49) 2,4-Dichloroaniline	7.307	161	135359	50.79	ng	97
50) 1,1'-Biphenyl	7.553	154	342418	49.12	ng	95
52) 1,2,4,5-Tetrachloroben...	7.313	216	104988	50.51	ng	98
53) Hexachlorocyclopentadiene	7.307	237	53931	50.07	ng	98
54) 2,4,6-Trichlorophenol	7.404	196	75345	51.67	ng	99
55) 2,4,5-Trichlorophenol	7.436	196	80320	51.06	ng	98
57) 1,2,3,4-Tetrachloroben...	7.543	214	80428	50.74	ng	54
58) 2-Chloronaphthalene	7.575	162	248950	50.24	ng	91
59) 3,4-Dichlorophenol	7.623	162	120408	51.67	ng	98
60) 3,4-Dichloroaniline	7.757	161	125524	55.16	ng	99
61) 1,4-Dimethylnaphthalene	7.848	156	176302	51.05	ng	95
62) Dimethylnaphthalenes (...	7.848	156	176302	51.05	ng	95
63) Diphenyl Ether	7.634	170	182687	50.15	ng	88
64) 2-Nitroaniline	7.650	65	111227	51.08	ng	74
65) Coumarin	7.832	146	114400	51.52	ng	65

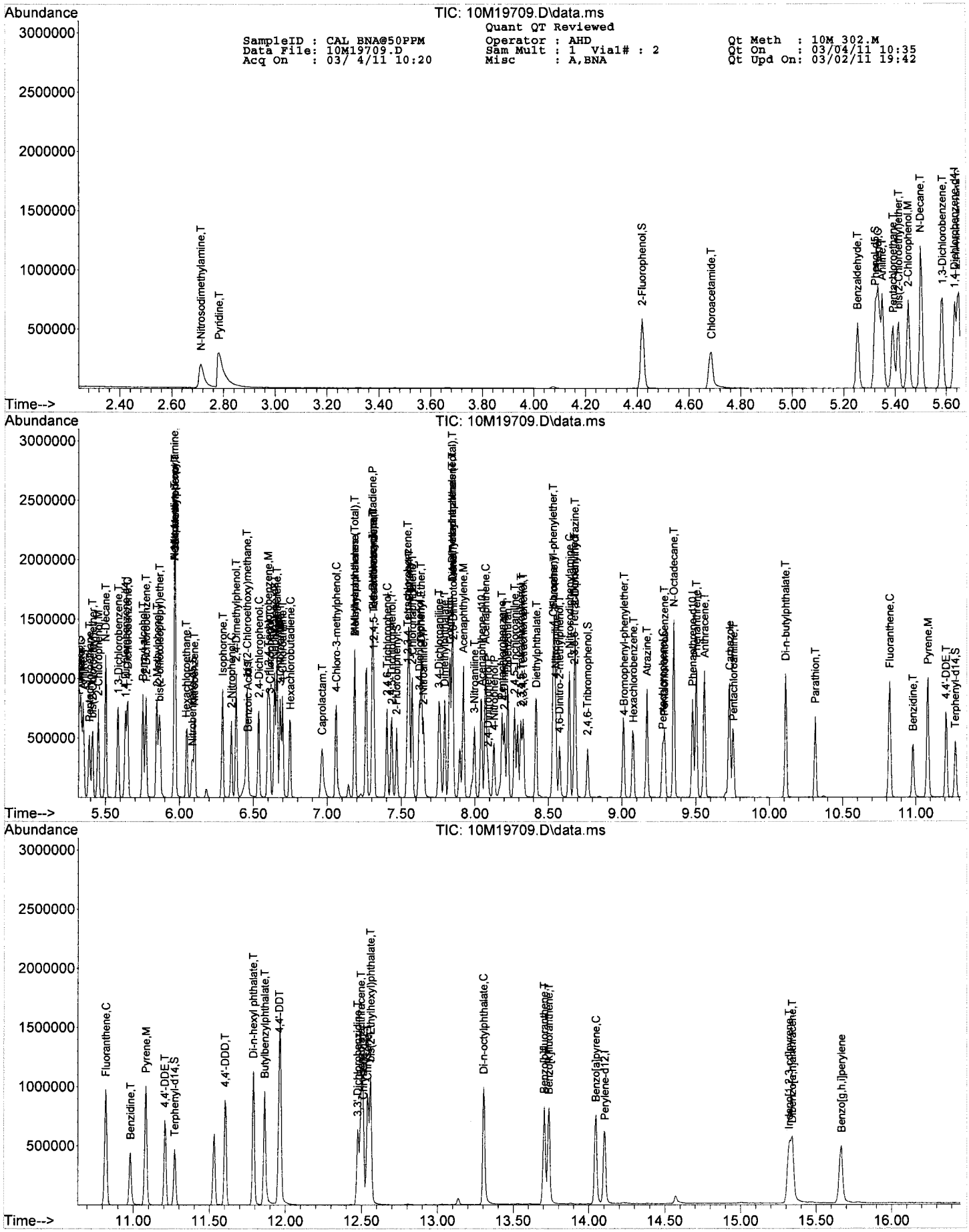
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19709.D Sam Mult : 1 Vial# : 2 Qt On : 03/04/11 10:35
Acq On : 03/ 4/11 10:20 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66)	Acenaphthylene	7.922	152	395383	49.87	ng	99
67)	Dimethylphthalate	7.794	163	280959	45.22	ng	99
68)	2,6-Dinitrotoluene	7.853	165	61010	50.17	ng	65
69)	Acenaphthene	8.072	153	243517	49.96	ng	97
70)	3-Nitroaniline	7.997	138	75886	54.64	ng	77
71)	2,4-Dinitrophenol	8.088	184	32395	45.66	ng	49
72)	Pentachlorobenzene	8.185	250	81975	48.99	ng	99
73)	Dibenzofuran	8.222	168	337956	48.49	ng	94
74)	2,4,5-Trichloroaniline	8.270	195	100982	52.78	ng	98
75)	2,4-Dinitrotoluene	8.201	165	88468	50.90	ng	75
76)	4-Nitrophenol	8.131	65	67607	46.20	ng	88
77)	2,3,4,5-Tetrachlorophenol	8.313	232	66665m	56.18	ng	
78)	2,3,4,6-Tetrachlorophenol	8.329	232	44752m	40.30	ng	
79)	Fluorene	8.538	166	280075	50.44	ng	98
80)	4-Chlorophenyl-phenyle...	8.532	204	117077	49.72	ng	94
81)	Diethylphthalate	8.420	149	290306	49.73	ng	99
82)	4-Nitroaniline	8.548	138	85261	51.69	ng	80
83)	2,3,5,6-Tetrachloroani...	8.677	231	79979	49.03	ng	94
84)	Atrazine	9.169	200	73321	47.82	ng	95
86)	4,6-Dinitro-2-methylph...	8.575	198	46201	49.76	ng	43
87)	n-Nitrosodiphenylamine	8.645	169	250078	52.20	ng	99
89)	1,2-Diphenylhydrazine	8.682	77	355724	56.30	ng	94
90)	4-Bromophenyl-phenylether	9.014	248	59262	49.57	ng	98
91)	Hexachlorobenzene	9.078	284	57504	49.64	ng	83
92)	N-Octadecane	9.351	57	279699	54.72	ng	93
93)	Pentachloronitrobenzene	9.286	237	29607	50.93	ng	93
94)	Pentachlorophenol	9.276	266	35351	44.42	ng	95
95)	Phenanthrene	9.506	178	384517	50.95	ng	100
96)	Anthracene	9.559	178	392313	50.74	ng	100
97)	Pentachloroaniline	9.757	265	64283	50.33	ng	98
98)	Carbazole	9.730	167	402291	50.80	ng	98
99)	Di-n-butylphthalate	10.110	149	495147	52.66	ng	98
100)	Parathion	10.313	291	20429	51.33	ng	95
101)	Fluoranthene	10.821	202	405676	51.28	ng	99
103)	Pyrene	11.084	202	414010	49.20	ng	94
104)	Benzidine	10.982	184	173827	48.23	ng	89
106)	4,4'-DDE	11.207	246	73220	48.02	ng	91
107)	4,4'-DDD	11.602	235	143759	50.36	ng	83
108)	Di-n-hexyl phthalate	11.790	149	532377	48.66	ng	100
109)	Butylbenzylphthalate	11.864	149	224106	50.92	ng	77
110)	4,4'-DDT	11.961	235	118459	50.56	ng	91
111)	3,3'-Dichlorobenzidine	12.474	252	115533	51.45	ng	98
112)	Benzo[a]anthracene	12.496	228	344404	50.54	ng	99
113)	Chrysene	12.538	228	330979	49.20	ng	98
114)	bis(2-Ethylhexyl)phtha...	12.560	149	296612	53.05	ng	94
116)	Di-n-octylphthalate	13.303	149	510714	50.49	ng	99
117)	Benzo[b]fluoranthene	13.704	252	309381	51.27	ng	99
118)	Benzo[k]fluoranthene	13.736	252	313642	51.03	ng	98
119)	Benzo[a]pyrene	14.047	252	309196	52.40	ng	98
120)	Indeno[1,2,3-cd]pyrene	15.320	276	313428	52.18	ng	93
121)	Dibenzo[a,h]anthracene	15.341	278	259622	53.30	ng	99
122)	Benzo[g,h,i]perylene	15.667	276	268358	51.31	ng	91

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


Abundance
TIC: 10M19709.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M19709.D
Acq On : 03/ 4/11 10:20
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M 302.M
Qt On : 03/04/11 10:35
Qt Upd On: 03/02/11 19:42
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Chloroacetamide,T
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorobutadiene,C
Diethylphthalate,T
Atrazine,T
Parathion,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Di-n-hexyl phthalate,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]peryiene
Time-->

SPLP
GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19414.D
Analysis Date: 02/09/11 09:18
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.827 to 9.832 min

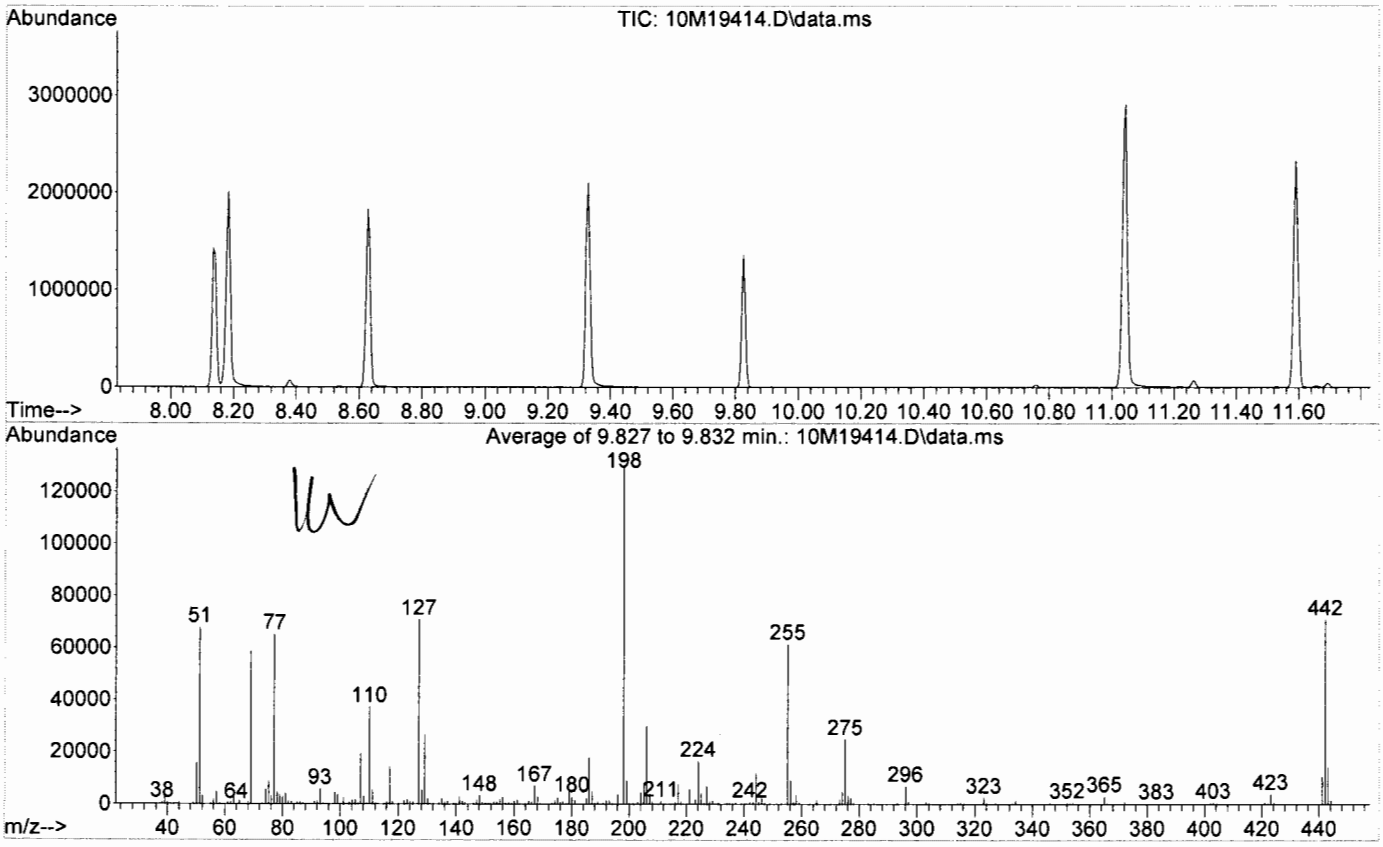
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	67756	PASS
68	69	0.00	2	1.4	844	PASS
69	198	0.00	100	45.1	58768	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	54.3	70736	PASS
197	198	0.00	1	0.2	294	PASS
198	198	100	100	100.0	130260	PASS
199	198	5	9	6.9	9032	PASS
275	198	10	30	19.1	24864	PASS
365	198	1	100	2.3	2981	PASS
441	443	0.01	100	73.5	10493	PASS
442	198	40	100	54.4	70844	PASS
443	442	17	23	20.1	14268	PASS

Data File	Sample Number	Analysis Date:
10M19415.D	CAL BNA@50PPM	02/09/11 09:39
10M19416.D	CAL BNA@196PP	02/09/11 10:03
10M19417.D	CAL BNA@160PP	02/09/11 10:26
10M19418.D	CAL BNA@120PP	02/09/11 10:48
10M19419.D	CAL BNA@80PPM	02/09/11 11:10
10M19420.D	CAL BNA@20PPM	02/09/11 11:33
10M19421.D	CAL BNA@10PPM	02/09/11 11:55
10M19422.D	CAL BNA@2PPM	02/09/11 12:17
10M19423.D	CAL BNA@0.5PP	02/09/11 12:39
10M19424.D	CAL BNA@50PPM	02/09/11 13:01
10M19425.D	CAL BNA@25PPM	02/09/11 13:24
10M19426.D	CAL BNA@30PPM	02/09/11 13:55
10M19427.D	ICV BNA@50PPM	02/09/11 14:17
10M19428.D	WMB4476	02/09/11 15:09
10M19429.D	AC57153-001	02/09/11 15:31
10M19430.D	AC57023-003(T)	02/09/11 15:53
10M19431.D	EF-SPLP V-10679	02/09/11 16:16
10M19432.D	AC57154-001	02/09/11 16:38
10M19433.D	MBS-A	02/09/11 17:00
10M19434.D	MBS-B	02/09/11 17:22
10M19435.D	MBS-C	02/09/11 17:44
10M19436.D	MBS-D	02/09/11 18:06

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-09-11\
Data File : 10M19414.D
Acq On : 9 Feb 2011 9:18
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\MethodQt\10M_0208.M
Title : @GCMS_10,mg,625,8270
Last Update : Tue Feb 08 17:46:21 2011



Spectrum Information: Average of 9.827 to 9.832 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	67756	PASS
68	69	0.00	2	1.4	844	PASS
69	198	0.00	100	45.1	58768	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	54.3	70736	PASS
197	198	0.00	1	0.2	294	PASS
198	198	100	100	100.0	130260	PASS
199	198	5	9	6.9	9032	PASS
275	198	10	30	19.1	24864	PASS
365	198	1	100	2.3	2981	PASS
441	443	0.01	100	73.5	10493	PASS
442	198	40	100	54.4	70844	PASS
443	442	17	23	20.1	14268	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M64598.D
Analysis Date: 02/09/11 09:20
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.594 to 9.604 min

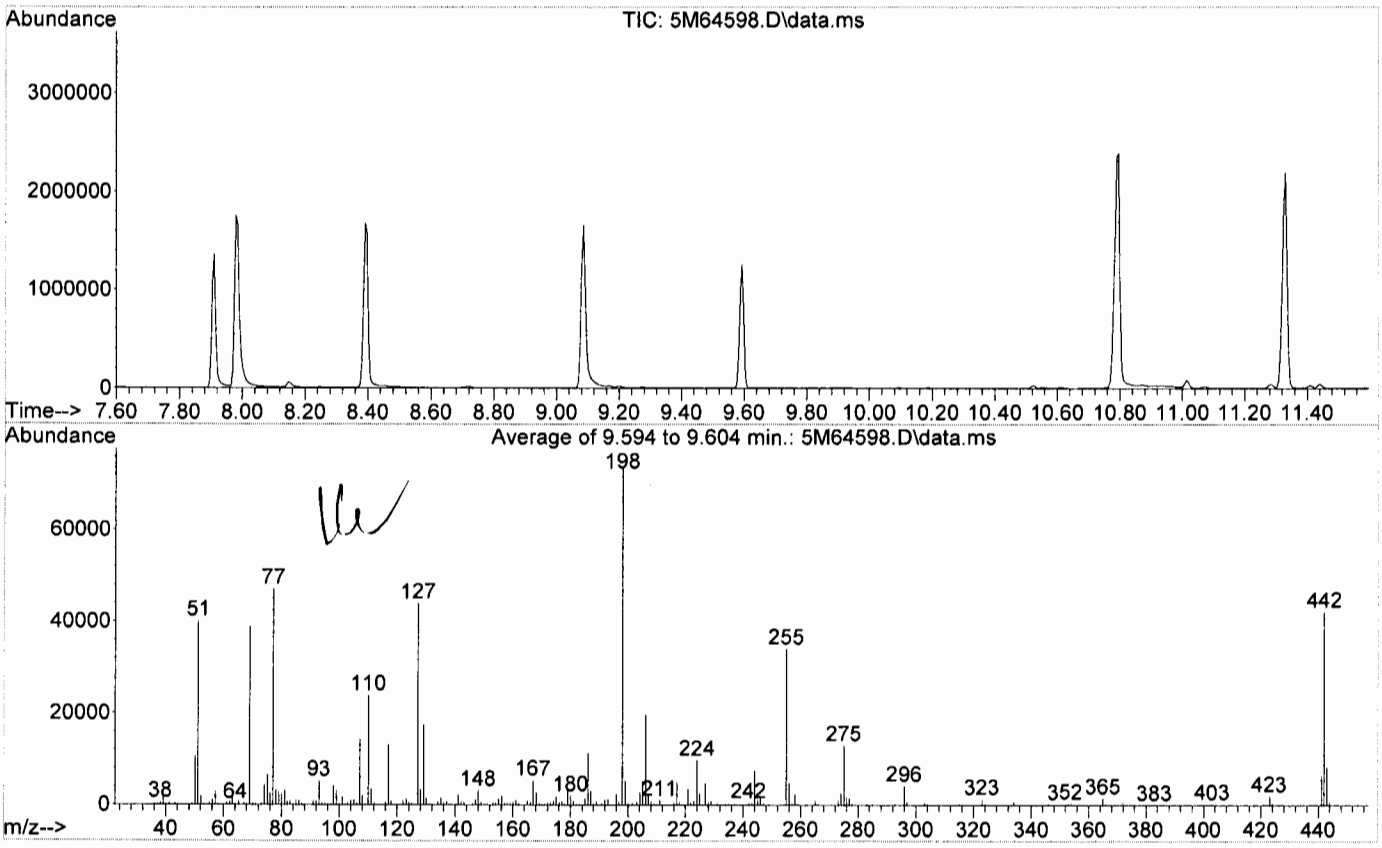
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.2	40084	PASS
68	69	0.00	2	0.7	270	PASS
69	198	0.00	100	52.6	38884	PASS
70	69	0.00	2	0.8	325	PASS
127	198	40	60	59.4	43930	PASS
197	198	0.00	1	1.0	729	PASS
198	198	100	100	100.0	73955	PASS
199	198	5	9	7.1	5218	PASS
275	198	10	30	17.5	12958	PASS
365	198	1	100	2.1	1530	PASS
441	443	0.01	100	78.3	6413	PASS
442	198	40	100	57.0	42127	PASS
443	442	17	23	19.4	8191	PASS

Data File	Sample Number	Analysis Date:
5M64599.D	CAL BNA@50PPM	02/09/11 09:44
5M64600.D	CAL BNA@196PP	02/09/11 10:07
5M64601.D	CAL BNA@160PP	02/09/11 10:30
5M64602.D	CAL BNA@120PP	02/09/11 10:54
5M64603.D	CAL BNA@80PPM	02/09/11 11:18
5M64604.D	CAL BNA@20PPM	02/09/11 11:42
5M64605.D	CAL BNA@10PPM	02/09/11 12:06
5M64606.D	CAL BNA@2PPM	02/09/11 12:30
5M64607.D	CAL BNA@0.5PP	02/09/11 12:53
5M64608.D	CAL BNA@50PPM	02/09/11 13:17
5M64609.D	CAL BNA@25PPM	02/09/11 13:40
5M64610.D	CAL BNA@30PPM	02/09/11 14:04
5M64611.D	ICV BNA@50PPM	02/09/11 14:35
5M64612.D	WMB4476(MS)	02/09/11 15:12
5M64613.D	WMB4476	02/09/11 15:35
5M64614.D	AC57151-001	02/09/11 15:58
5M64615.D	AC57156-001	02/09/11 16:22
5M64616.D	AC57151-003	02/09/11 16:45
5M64617.D	AC57156-002	02/09/11 17:09
5M64618.D	MLCL2-TEST	02/09/11 17:32

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-09-11\
Data File : 5M64598.D
Acq On : 9 Feb 2011 9:20
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0208.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 11:54:43 2011



Spectrum Information: Average of 9.594 to 9.604 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.2	40084	PASS
68	69	0.00	2	0.7	270	PASS
69	198	0.00	100	52.6	38884	PASS
70	69	0.00	2	0.8	325	PASS
127	198	40	60	59.4	43930	PASS
197	198	0.00	1	1.0	729	PASS
198	198	100	100	100.0	73955	PASS
199	198	5	9	7.1	5218	PASS
275	198	10	30	17.5	12958	PASS
365	198	1	100	2.1	1530	PASS
441	443	0.01	100	78.3	6413	PASS
442	198	40	100	57.0	42127	PASS
443	442	17	23	19.4	8191	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M32186.D
Analysis Date: 02/09/11 09:29
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.703 to 9.714 min

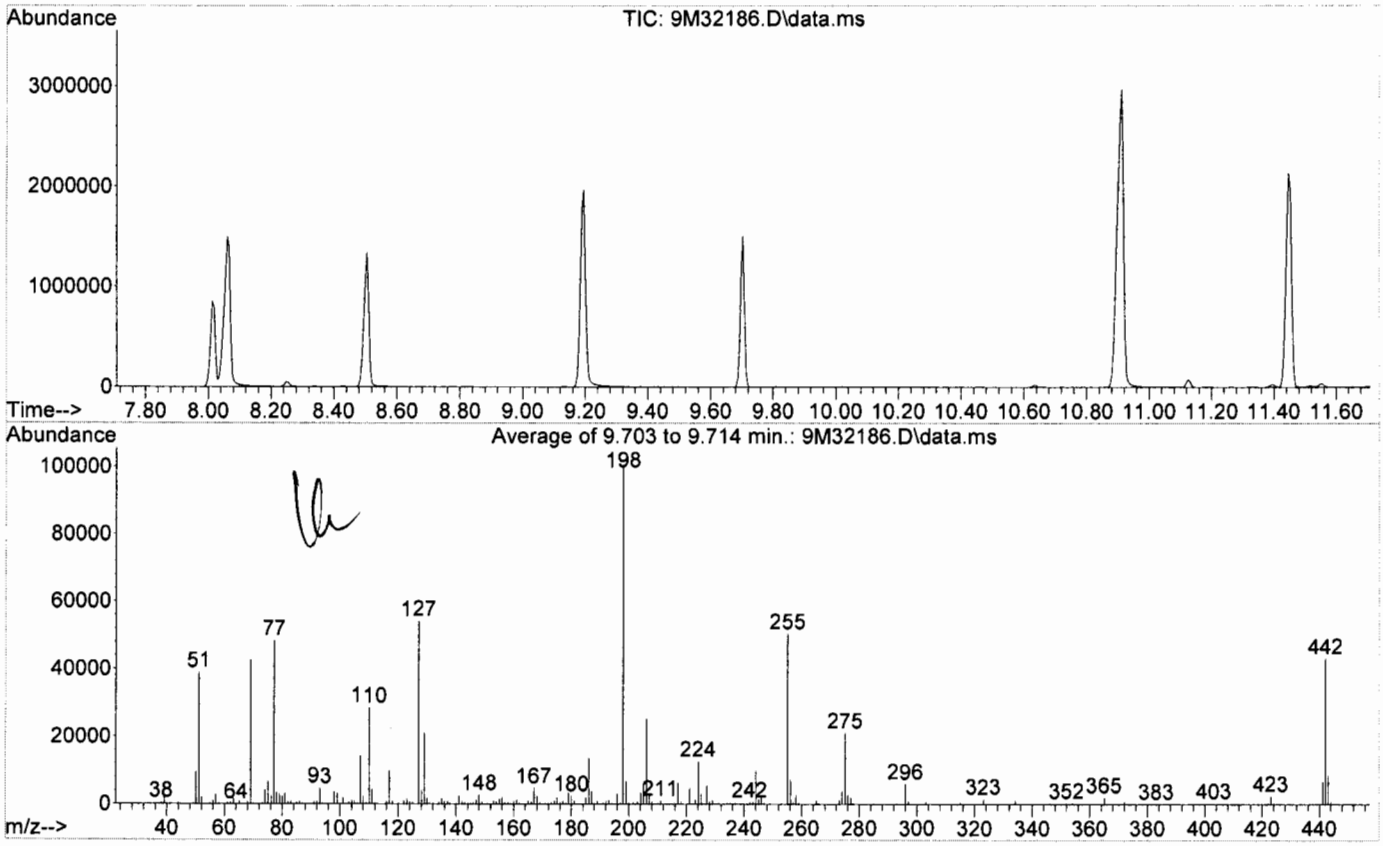
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	38.7	38942	PASS
68	69	0.00	2	1.7	708	PASS
69	198	0.00	100	42.5	42744	PASS
70	69	0.00	2	0.5	206	PASS
127	198	40	60	53.9	54198	PASS
197	198	0.00	1	0.5	496	PASS
198	198	100	100	100.0	100536	PASS
199	198	5	9	6.8	6856	PASS
275	198	10	30	20.9	21034	PASS
365	198	1	100	2.0	2019	PASS
441	443	0.01	100	77.8	6639	PASS
442	198	40	100	42.9	43152	PASS
443	442	17	23	19.8	8536	PASS

Data File	Sample Number	Analysis Date:
9M32187.D	CAL BNA@50PPM	02/09/11 09:52
9M32188.D	CAL BNA@196PP	02/09/11 10:15
9M32189.D	CAL BNA@160PP	02/09/11 10:38
9M32190.D	CAL BNA@120PP	02/09/11 11:05
9M32191.D	CAL BNA@80PPM	02/09/11 11:28
9M32192.D	CAL BNA@20PPM	02/09/11 11:51
9M32193.D	CAL BNA@10PPM	02/09/11 12:14
9M32194.D	CAL BNA@2PPM	02/09/11 12:37
9M32195.D	CAL BNA@0.5PP	02/09/11 13:00
9M32196.D	CAL BNA@50PPM	02/09/11 13:26
9M32197.D	BNA@25PPM	02/09/11 13:49
9M32198.D	BNA@30PPM	02/09/11 14:12
9M32199.D	ICV BNA@50PPM	02/09/11 14:36
9M32200.D	SMB4479	02/09/11 15:09
9M32201.D	SMB4479(MS)	02/09/11 15:31
9M32202.D	AC57095-001	02/09/11 15:54
9M32203.D	AC57095-001(5X)	02/09/11 16:19
9M32204.D	MBS4479-1	02/09/11 16:42
9M32205.D	MBS4479-2	02/09/11 17:04
9M32206.D	MBS4479-3	02/09/11 17:27
9M32207.D	MBS4479-4	02/09/11 17:50

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-09-11\
Data File : 9M32186.D
Acq On : 9 Feb 2011 9:29
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0203.M
Title : @GCMS_9,mg,625,8270
Last Update : Thu Feb 03 13:49:46 2011



Spectrum Information: Average of 9.703 to 9.714 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.7	38942	PASS
68	69	0.00	2	1.7	708	PASS
69	198	0.00	100	42.5	42744	PASS
70	69	0.00	2	0.5	206	PASS
127	198	40	60	53.9	54198	PASS
197	198	0.00	1	0.5	496	PASS
198	198	100	100	100.0	100536	PASS
199	198	5	9	6.8	6856	PASS
275	198	10	30	20.9	21034	PASS
365	198	1	100	2.0	2019	PASS
441	443	0.01	100	77.8	6639	PASS
442	198	40	100	42.9	43152	PASS
443	442	17	23	19.8	8536	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64711.D
Instrument: GCMS 5 **Analysis Date:** 02/16/11 09:14
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.572 to 9.583 min

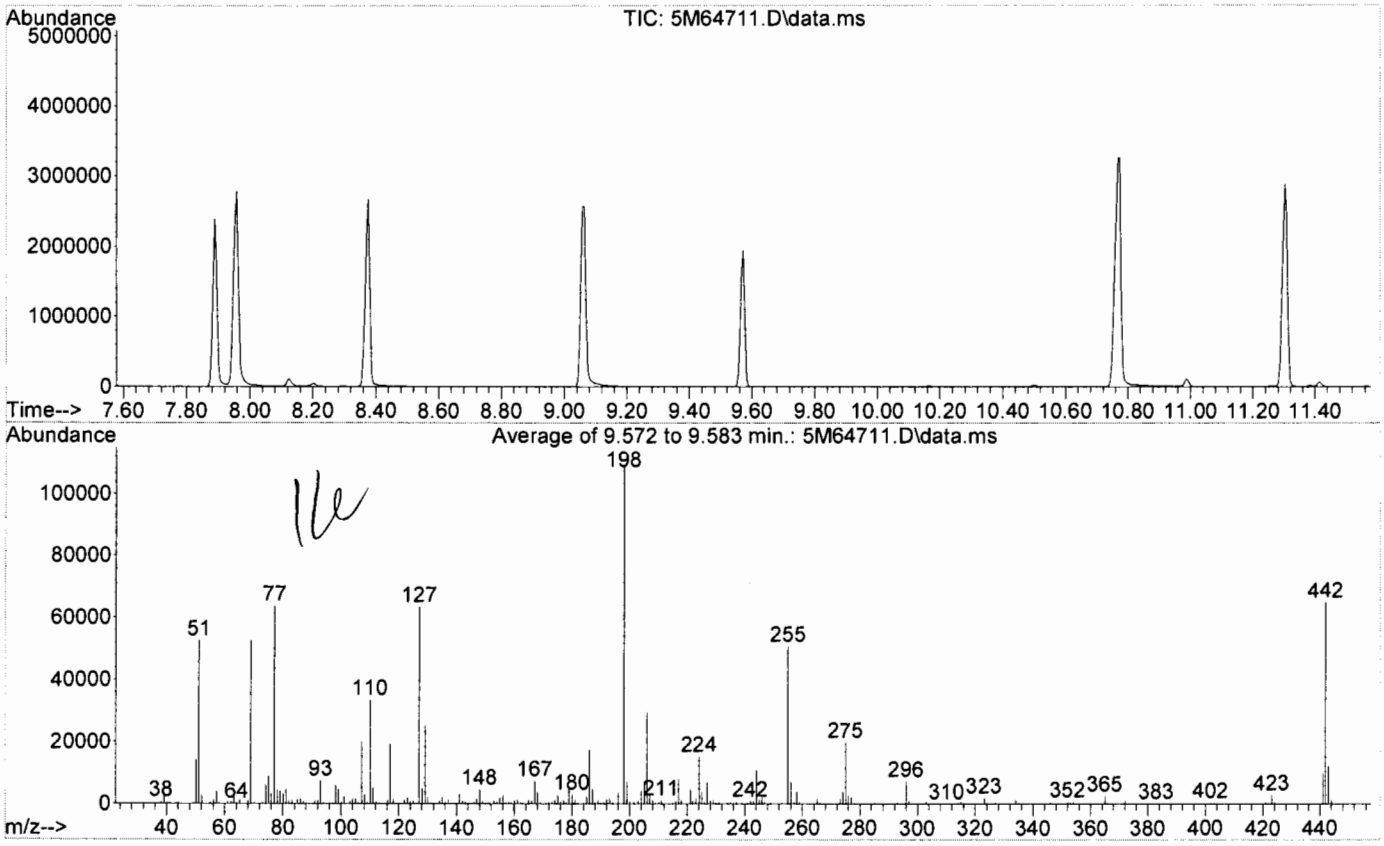
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	48.1	52565	PASS
68	69	0.00	2	1.9	1016	PASS
69	198	0.00	100	48.2	52654	PASS
70	69	0.00	2	0.6	299	PASS
127	198	40	60	58.0	63400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109340	PASS
199	198	5	9	6.5	7106	PASS
275	198	10	30	18.0	19696	PASS
365	198	1	100	2.3	2484	PASS
441	443	0.01	100	80.6	9770	PASS
442	198	40	100	59.3	64833	PASS
443	442	17	23	18.7	12124	PASS

Data File	Sample Number	Analysis Date:
5M64712.D	CAL BNA@50PPM	02/16/11 09:50
5M64713.D	WMB4536	02/16/11 10:16
5M64714.D	WMB4536(MS)	02/16/11 10:40
5M64715.D	AC57098-001(T)	02/16/11 11:08
5M64716.D	AC57098-001(T)(M	02/16/11 11:32
5M64717.D	AC57098-001(T)(M	02/16/11 11:55
5M64718.D	AC57098-002(T)	02/16/11 12:19
5M64719.D	AC57098-003(T)	02/16/11 12:43
5M64720.D	WMB4538(MS)	02/16/11 13:07
5M64721.D	WMB4538	02/16/11 13:30
5M64722.D	AC57098-004(T)	02/16/11 13:54
5M64723.D	AC57277-001(10X)	02/16/11 14:17
5M64724.D	AC57224-006(10X)	02/16/11 14:41
5M64725.D	AC57277-001(5X)	02/16/11 15:04
5M64726.D	AC57273-001	02/16/11 15:28
5M64727.D	AC57274-001	02/16/11 15:52
5M64728.D	AC57232-010	02/16/11 16:16
5M64729.D	AC57242-001(MS)	02/16/11 16:39
5M64730.D	AC57242-001(MSD	02/16/11 17:15
5M64731.D	AC57242-001	02/16/11 17:39
5M64732.D	AC57242-002	02/16/11 18:03
5M64733.D	AC57246-005	02/16/11 18:27
5M64734.D	AC57274-001	02/16/11 18:50
5M64735.D	AC57232-010	02/16/11 19:13
5M64736.D	AC57100-001(T)	02/16/11 19:37
5M64737.D	AC57100-003(T)	02/16/11 20:01
5M64738.D	AC57100-004(T)	02/16/11 20:25
5M64739.D	AC57100-005(T)	02/16/11 20:48
5M64740.D	EF-3 V-1014(02/11	02/16/11 21:11
5M64741.D	EF-3 V-1014(02/12	02/16/11 21:35
5M64742.D	EF-3 V-1014(02/13	02/16/11 21:58
5M64743.D	EF-3 V-1014(02/14	02/16/11 22:22
5M64744.D	AC57251-004	02/16/11 22:46
5M64745.D	AC57251-005	02/16/11 23:09
5M64746.D	AC57251-006	02/16/11 23:33
5M64747.D	AC57251-008	02/16/11 23:57
5M64748.D	AC57239-001	02/17/11 00:20
5M64749.D	AC57239-002	02/17/11 00:43
5M64750.D	AC57239-003	02/17/11 01:07
5M64751.D	AC57239-004	02/17/11 01:30
5M64752.D	AC57226-001	02/17/11 01:53
5M64753.D	AC57226-002	02/17/11 02:17
5M64754.D	AC57259-012	02/17/11 02:40

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Data File : 5M64711.D
Acq On : 16 Feb 2011 9:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.572 to 9.583 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.1	52565	PASS
68	69	0.00	2	1.9	1016	PASS
69	198	0.00	100	48.2	52654	PASS
70	69	0.00	2	0.6	299	PASS
127	198	40	60	58.0	63400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109340	PASS
199	198	5	9	6.5	7106	PASS
275	198	10	30	18.0	19696	PASS
365	198	1	100	2.3	2484	PASS
441	443	0.01	100	80.6	9770	PASS
442	198	40	100	59.3	64833	PASS
443	442	17	23	18.7	12124	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32364.D
Instrument: GCMS 9 **Analysis Date:** 02/17/11 08:28
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.661 to 9.672 min

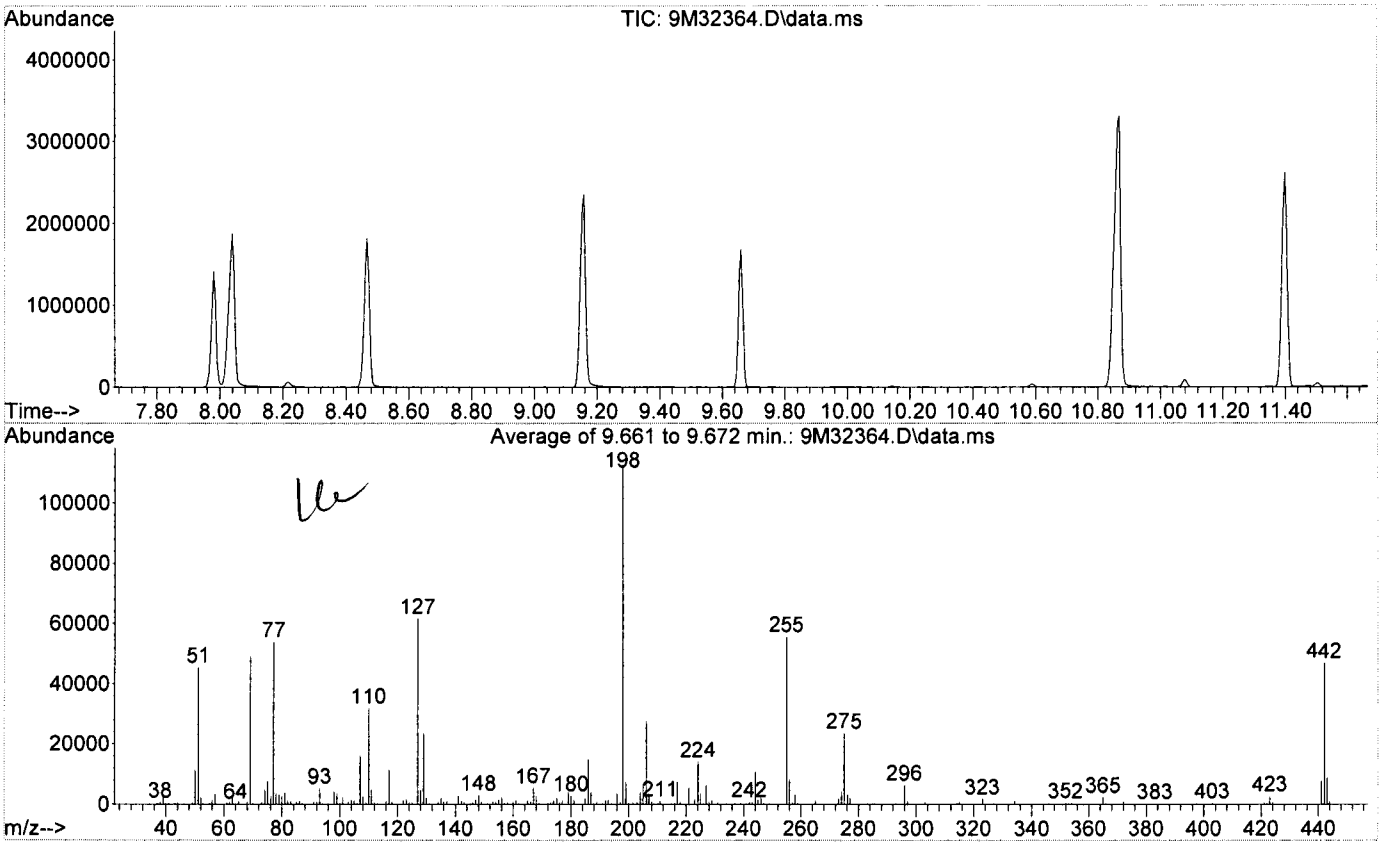
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.3	45446	PASS
68	69	0.00	2	1.5	752	PASS
69	198	0.00	100	43.6	49155	PASS
70	69	0.00	2	0.6	285	PASS
127	198	40	60	54.7	61607	PASS
197	198	0.00	1	0.5	587	PASS
198	198	100	100	100.0	112648	PASS
199	198	5	9	6.5	7352	PASS
275	198	10	30	20.9	23585	PASS
365	198	1	100	2.0	2305	PASS
441	443	0.01	100	88.3	7662	PASS
442	198	40	100	41.6	46835	PASS
443	442	17	23	18.5	8676	PASS

Data File	Sample Number	Analysis Date:
9M32365.D	CAL BNA@50PPM	02/17/11 08:52
9M32366.D	WMB4536	02/17/11 09:18
9M32367.D	WMB4538	02/17/11 09:41
9M32368.D	AC57232-010	02/17/11 10:04
9M32369.D	AC57100-001(T)	02/17/11 10:28
9M32370.D	AC57100-003(T)	02/17/11 10:51
9M32371.D	AC57100-004(T)	02/17/11 11:14
9M32372.D	AC57100-005(T)	02/17/11 11:37
9M32373.D	EF-3 V-1014(02/11	02/17/11 12:01
9M32374.D	EF-3 V-1014(02/12	02/17/11 12:24
9M32375.D	EF-3 V-1014(02/13	02/17/11 12:47
9M32376.D	EF-3 V-1014(02/14	02/17/11 13:10
9M32377.D	WMB4546	02/17/11 13:34
9M32378.D	WMB4536	02/17/11 13:57
9M32379.D	AC57241-003	02/17/11 14:21
9M32380.D	EF-SPLP V-10679	02/17/11 14:44
9M32381.D	AC57120-001(T)	02/17/11 15:07
9M32382.D	AC57141-001(T)	02/17/11 15:29

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Data File : 9M32364.D
Acq On : 17 Feb 2011 8:28
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0209.M
Title : @GCMS_9,mg,625,8270
Last Update : Wed Feb 09 13:45:56 2011



Spectrum Information: Average of 9.661 to 9.672 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.3	45446	PASS
68	69	0.00	2	1.5	752	PASS
69	198	0.00	100	43.6	49155	PASS
70	69	0.00	2	0.6	285	PASS
127	198	40	60	54.7	61607	PASS
197	198	0.00	1	0.5	587	PASS
198	198	100	100	100.0	112648	PASS
199	198	5	9	6.5	7352	PASS
275	198	10	30	20.9	23585	PASS
365	198	1	100	2.0	2305	PASS
441	443	0.01	100	88.3	7662	PASS
442	198	40	100	41.6	46835	PASS
443	442	17	23	18.5	8676	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64791.D
Instrument: GCMS 5 **Analysis Date:** 02/22/11 07:27
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.556 to 9.567 min

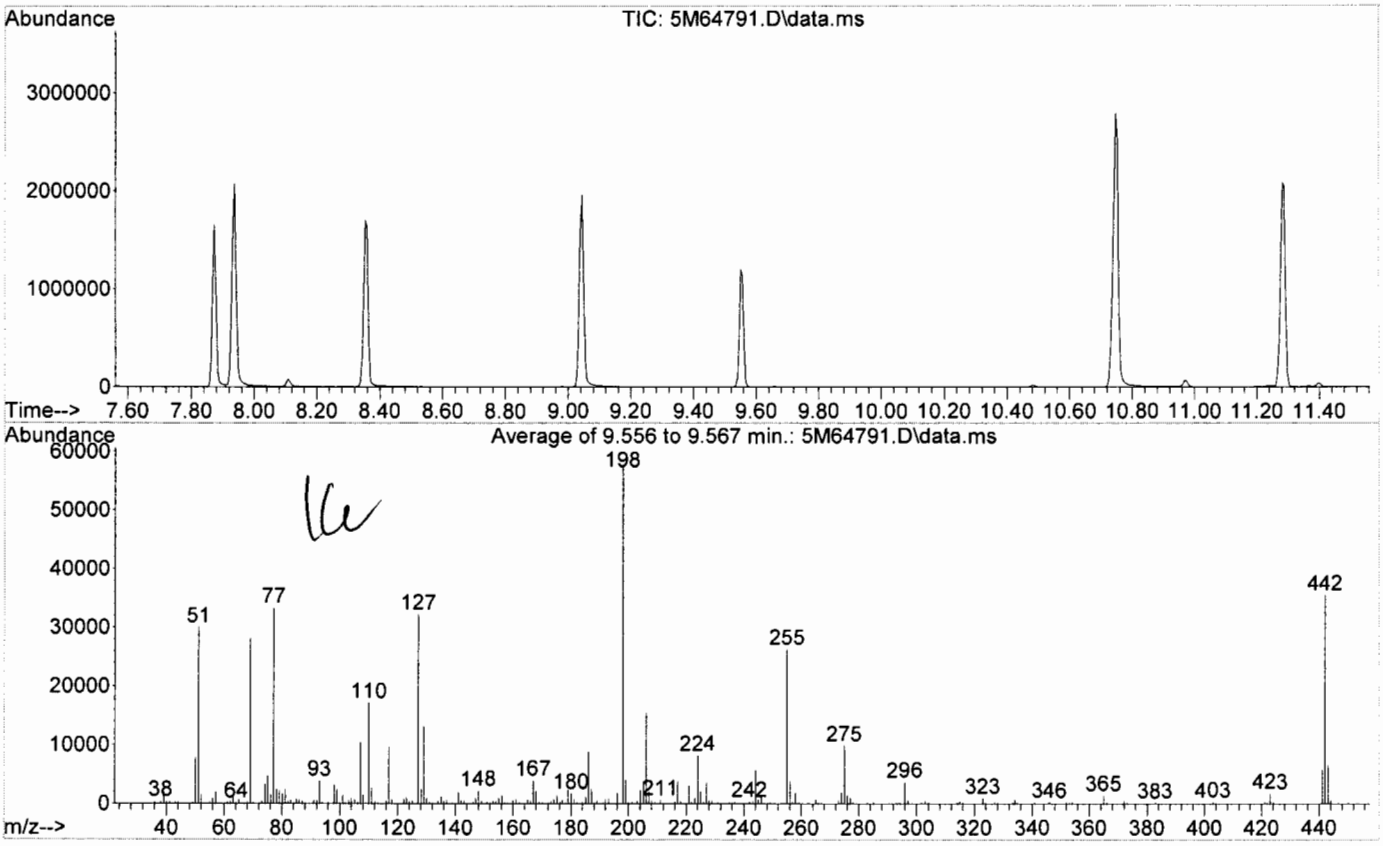
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.0	29999	PASS
68	69	0.00	2	1.4	383	PASS
69	198	0.00	100	48.7	28112	PASS
70	69	0.00	2	0.7	211	PASS
127	198	40	60	55.8	32208	PASS
197	198	0.00	1	0.2	93	PASS
198	198	100	100	100.0	57735	PASS
199	198	5	9	7.0	4026	PASS
275	198	10	30	17.1	9870	PASS
365	198	1	100	2.4	1361	PASS
441	443	0.01	100	88.0	5750	PASS
442	198	40	100	61.5	35506	PASS
443	442	17	23	18.4	6535	PASS

Data File	Sample Number	Analysis Date:
5M64792.D	CAL BNA@50PPM	02/22/11 07:57
5M64793.D	WMB4565	02/22/11 08:38
5M64794.D	WMB4565(MS)	02/22/11 09:02
5M64795.D	WMB4567(MS)	02/22/11 09:25
5M64796.D	WMB4567	02/22/11 09:49
5M64797.D	AC57285-005	02/22/11 10:12
5M64798.D	AC57285-005(MS)	02/22/11 10:36
5M64799.D	AC57285-005(MSD	02/22/11 10:59
5M64800.D	AC57285-010(5X)	02/22/11 11:22
5M64801.D	AC57285-004	02/22/11 11:46
5M64802.D	AC57285-007	02/22/11 12:09
5M64803.D	AC57285-008	02/22/11 12:33
5M64804.D	WMB4569(MS)	02/22/11 12:56
5M64805.D	WMB4569	02/22/11 13:20
5M64806.D	AC57306-002	02/22/11 13:43
5M64807.D	AC57306-003(MS:	02/22/11 14:07
5M64808.D	AC57306-004(MSD	02/22/11 14:30
5M64809.D	AC57285-009	02/22/11 14:54
5M64810.D	AC57285-003	02/22/11 15:18
5M64813.D	AC57290-004	02/22/11 16:29

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Data File : 5M64791.D
Acq On : 22 Feb 2011 7:27
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.556 to 9.567 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	29999	PASS
68	69	0.00	2	1.4	383	PASS
69	198	0.00	100	48.7	28112	PASS
70	69	0.00	2	0.7	211	PASS
127	198	40	60	55.8	32208	PASS
197	198	0.00	1	0.2	93	PASS
198	198	100	100	100.0	57735	PASS
199	198	5	9	7.0	4026	PASS
275	198	10	30	17.1	9870	PASS
365	198	1	100	2.4	1361	PASS
441	443	0.01	100	88.0	5750	PASS
442	198	40	100	61.5	35506	PASS
443	442	17	23	18.4	6535	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 10
Data File: 10M19508.D
Analysis Date: 02/22/11 08:34
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.800 min

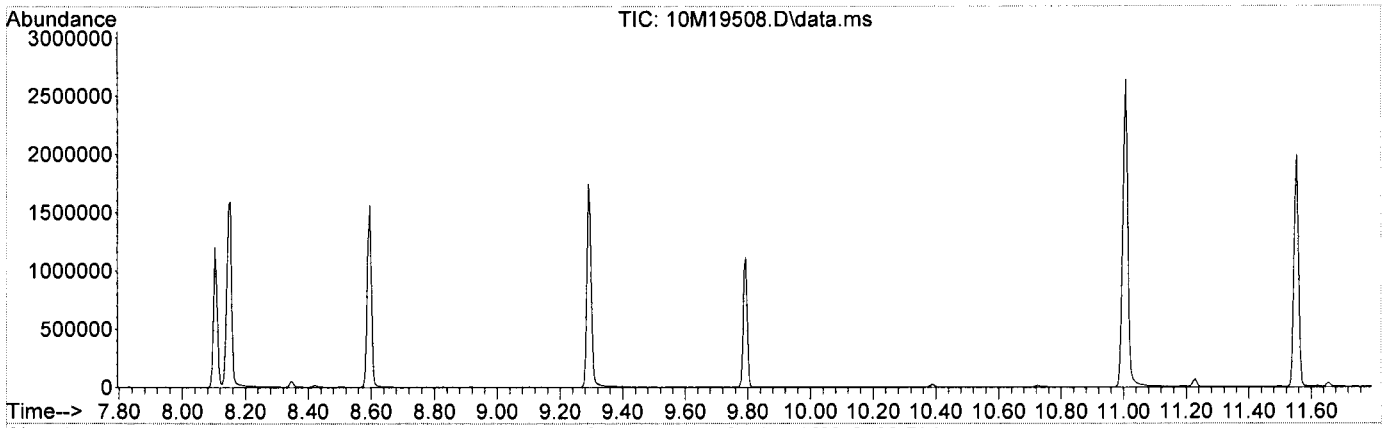
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.9	58576	PASS
68	69	0.00	2	1.7	828	PASS
69	198	0.00	100	49.2	49739	PASS
70	69	0.00	2	0.7	346	PASS
127	198	40	60	56.2	56832	PASS
197	198	0.00	1	0.8	854	PASS
198	198	100	100	100.0	101192	PASS
199	198	5	9	6.7	6778	PASS
275	198	10	30	19.6	19845	PASS
365	198	1	100	2.3	2292	PASS
441	443	0.01	100	72.5	7491	PASS
442	198	40	100	49.8	50416	PASS
443	442	17	23	20.5	10328	PASS

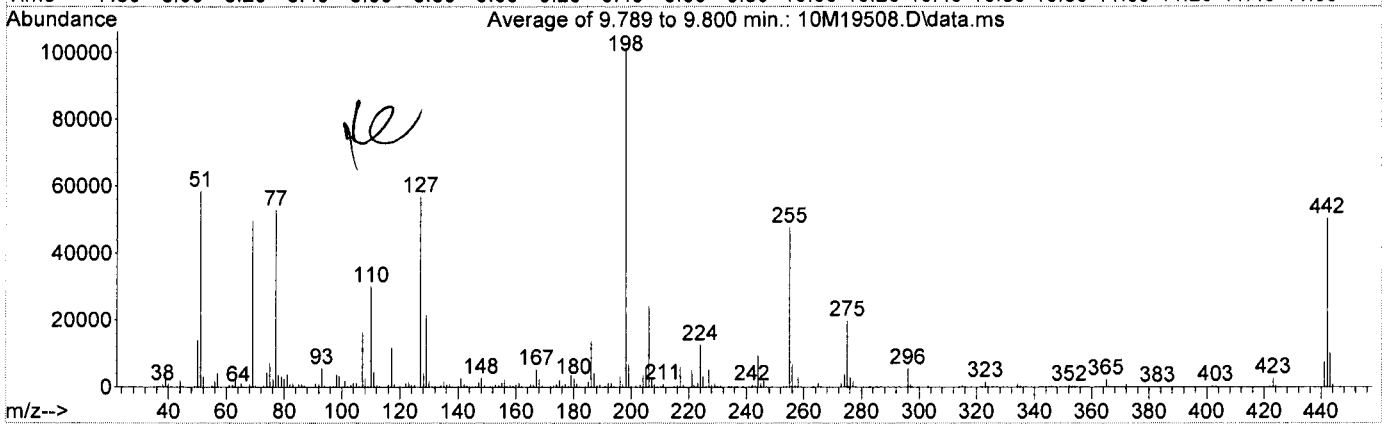
Data File	Sample Number	Analysis Date:
10M19509.D	CAL BNA@50PPM	02/22/11 08:56
10M19510.D	WMB4565	02/22/11 09:48
10M19511.D	AC57098-005(T)(R	02/22/11 10:10
10M19512.D	AC57098-006(T)(R	02/22/11 10:32
10M19513.D	AC57098-007(T)(R	02/22/11 10:54
10M19514.D	AC57100-006(T)(R	02/22/11 11:17
10M19515.D	AC57100-007(T)(R	02/22/11 11:39
10M19516.D	AC57100-008(T)(R	02/22/11 12:01
10M19517.D	EF-3 V-1014(02/15	02/22/11 12:23
10M19518.D	AC57100-006(T)(R	02/22/11 12:45
10M19519.D	EF-3 V-1014(02/16	02/22/11 13:07
10M19520.D	EF-3 V-1014(02/17	02/22/11 13:30
10M19521.D	WMB4567	02/22/11 13:52

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Data File : 10M19508.D
Acq On : 22 Feb 2011 8:34
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_10\MethodQt\10M_0209.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Feb 09 13:34:12 2011





Spectrum Information: Average of 9.789 to 9.800 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.9	58576	PASS
68	69	0.00	2	1.7	828	PASS
69	198	0.00	100	49.2	49739	PASS
70	69	0.00	2	0.7	346	PASS
127	198	40	60	56.2	56832	PASS
197	198	0.00	1	0.8	854	PASS
198	198	100	100	100.0	101192	PASS
199	198	5	9	6.7	6778	PASS
275	198	10	30	19.6	19845	PASS
365	198	1	100	2.3	2292	PASS
441	443	0.01	100	72.5	7491	PASS
442	198	40	100	49.8	50416	PASS
443	442	17	23	20.5	10328	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64835.D
Instrument: GCMS 5 **Analysis Date:** 02/24/11 07:39
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.549 to 9.560 min

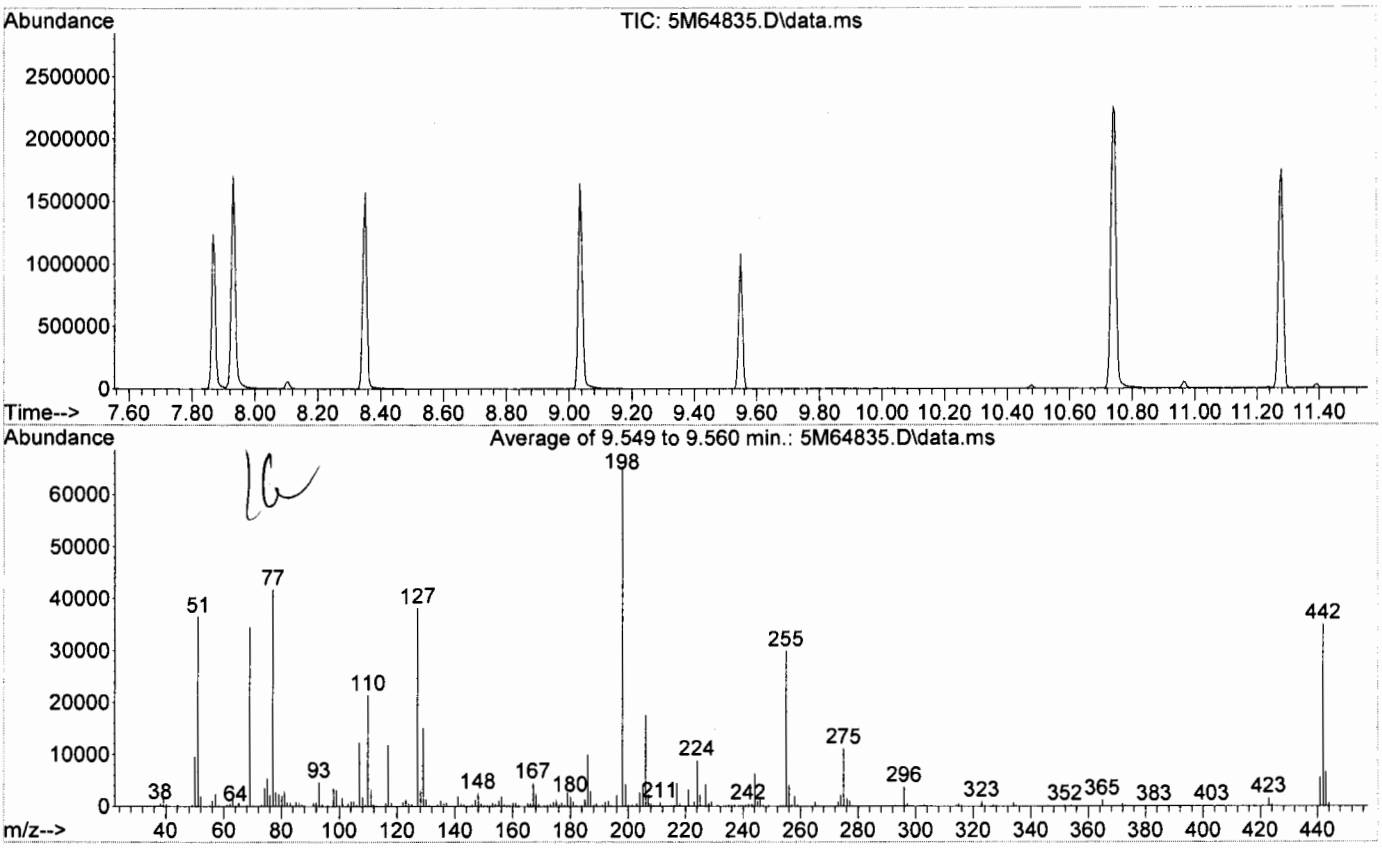
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.8	36480	PASS
68	69	0.00	2	0.7	231	PASS
69	198	0.00	100	52.8	34516	PASS
70	69	0.00	2	0.5	182	PASS
127	198	40	60	58.4	38192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65354	PASS
199	198	5	9	6.5	4222	PASS
275	198	10	30	17.1	11188	PASS
365	198	1	100	2.0	1296	PASS
441	443	0.01	100	83.7	5549	PASS
442	198	40	100	53.6	35012	PASS
443	442	17	23	18.9	6632	PASS

Data File	Sample Number	Analysis Date:
5M64836.D	CAL BNA@50PPM	02/24/11 09:54
5M64837.D	WMB4585(MS)	02/24/11 10:18
5M64838.D	WMB4585	02/24/11 10:42
5M64839.D	AC57098-010(T)	02/24/11 11:05
5M64840.D	AC57098-010(T)(M	02/24/11 11:28
5M64841.D	AC57098-010(T)(M	02/24/11 11:52
5M64842.D	AC57098-008(T)	02/24/11 12:15
5M64843.D	AC57098-009(T)	02/24/11 12:39
5M64844.D	AC57098-011(T)	02/24/11 13:03
5M64845.D	AC57100-011(T)	02/24/11 13:26
5M64846.D	WMB4595(MS)	02/24/11 13:50
5M64847.D	WMB4595	02/24/11 14:13
5M64848.D	AC57252-002(T)	02/24/11 14:37
5M64849.D	AC57100-012(T)	02/24/11 15:01
5M64850.D	EF-3 V-1014(02/18	02/24/11 15:24
5M64851.D	EF-3 V-1014(02/19	02/24/11 15:48
5M64852.D	EF-3 V-1014(02/20	02/24/11 16:11
5M64853.D	EF-3 V-1014(02/21	02/24/11 16:35
5M64854.D	AC57263-001(T)	02/24/11 16:59
5M64855.D	AC57263-001(T)(M	02/24/11 17:22
5M64856.D	AC57263-001(T)(M	02/24/11 17:46
5M64857.D	AC57382-002(10X)	02/24/11 18:09
5M64858.D	AC57228-003(T)	02/24/11 18:32
5M64859.D	AC57212-002(T)	02/24/11 18:55
5M64860.D	EF-SPLP V-10679	02/24/11 19:19
5M64861.D	EF-1 V-108537(02/	02/24/11 19:42
5M64862.D	AC57332-001(R)	02/24/11 20:06
5M64863.D	AC57374-001	02/24/11 20:29
5M64864.D	AC57374-002	02/24/11 20:52
5M64865.D	AC57374-003	02/24/11 21:16
5M64866.D	AC57374-004	02/24/11 21:39
5M64867.D	AC57374-005	02/24/11 22:02
5M64868.D	AC57374-006	02/24/11 22:25

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Data File : 5M64835.D
Acq On : 24 Feb 2011 7:39
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.549 to 9.560 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.8	36480	PASS
68	69	0.00	2	0.7	231	PASS
69	198	0.00	100	52.8	34516	PASS
70	69	0.00	2	0.5	182	PASS
127	198	40	60	58.4	38192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65354	PASS
199	198	5	9	6.5	4222	PASS
275	198	10	30	17.1	11188	PASS
365	198	1	100	2.0	1296	PASS
441	443	0.01	100	83.7	5549	PASS
442	198	40	100	53.6	35012	PASS
443	442	17	23	18.9	6632	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32489.D
Instrument: GCMS 9 **Analysis Date:** 02/28/11 09:50
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.645 to 9.655 min

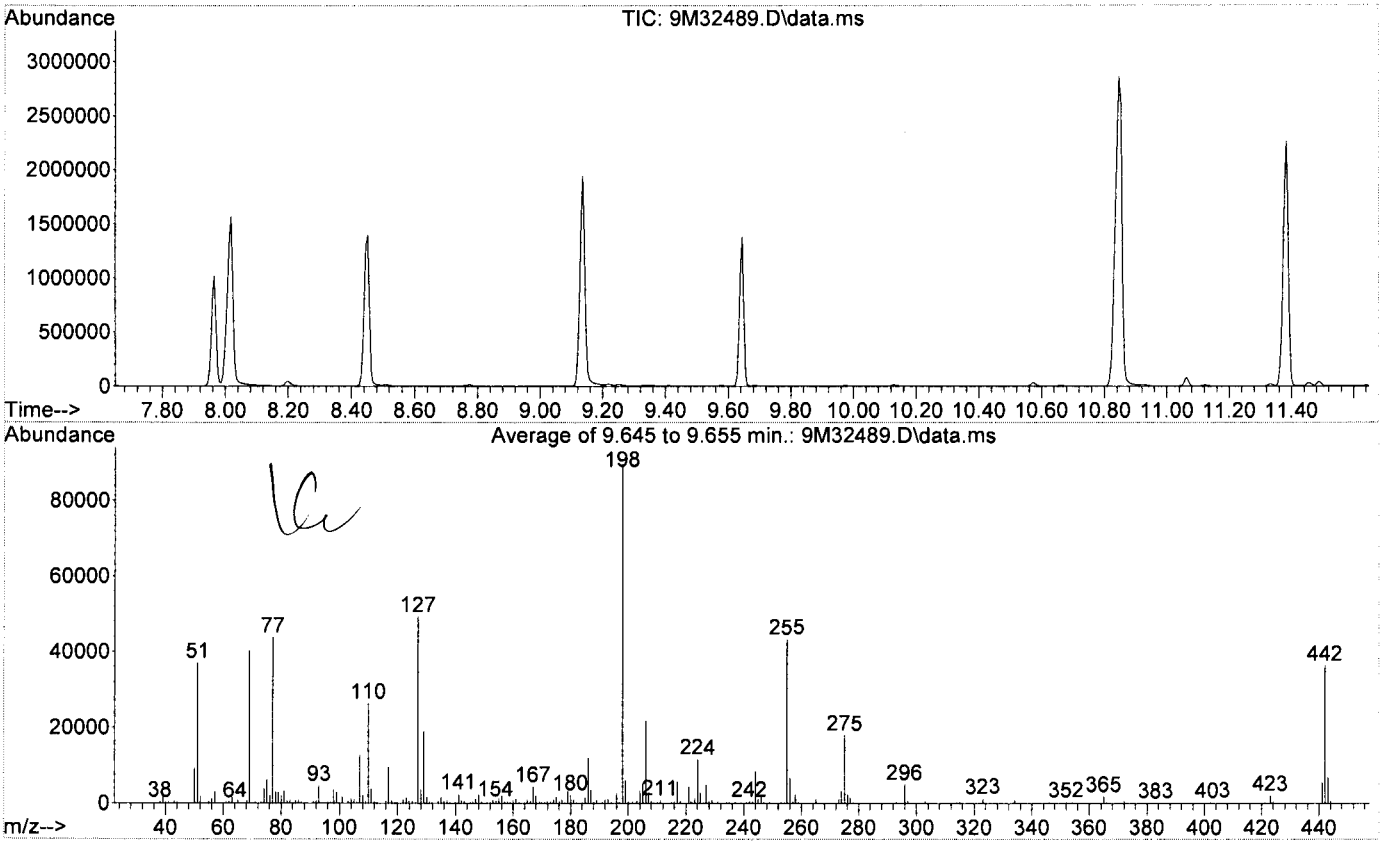
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.3	37043	PASS
68	69	0.00	2	1.8	732	PASS
69	198	0.00	100	44.9	40285	PASS
70	69	0.00	2	0.7	285	PASS
127	198	40	60	55.0	49262	PASS
197	198	0.00	1	0.5	432	PASS
198	198	100	100	100.0	89626	PASS
199	198	5	9	6.6	5955	PASS
275	198	10	30	20.1	18002	PASS
365	198	1	100	2.1	1849	PASS
441	443	0.01	100	78.9	5450	PASS
442	198	40	100	40.6	36378	PASS
443	442	17	23	19.0	6906	PASS

Data File	Sample Number	Analysis Date:
9M32490.D	CAL BNA@50PPM	02/28/11 10:32
9M32491.D	CAL BNA@2PPM	02/28/11 10:55
9M32492.D	CAL BNA@.5PPM	02/28/11 11:18
9M32493.D	CAL BNA@10PPM	02/28/11 11:42
9M32494.D	CAL BNA@20PPM	02/28/11 12:05
9M32495.D	CAL BNA@80PPM	02/28/11 12:29
9M32496.D	CAL BNA@120PP	02/28/11 12:52
9M32497.D	CAL BNA@160PP	02/28/11 13:33
9M32498.D	CAL BNA@196PP	02/28/11 13:57
9M32499.D	CAL BNA@50PPM	02/28/11 14:20
9M32500.D	ICV BNA@50PPM	02/28/11 14:44
9M32501.D	TEST	02/28/11 15:54
9M32502.D	SMB4591	02/28/11 16:17
9M32503.D	AC57463-012	02/28/11 16:41
9M32504.D	AC57463-013	02/28/11 17:04
9M32505.D	AC57459-001	02/28/11 17:28
9M32506.D	AC57459-002	02/28/11 17:51
9M32507.D	AC57459-003	02/28/11 18:15
9M32508.D	AC57459-004	02/28/11 18:38
9M32509.D	AC57463-005	02/28/11 19:01
9M32510.D	AC57463-006	02/28/11 19:25
9M32511.D	AC57359-002	02/28/11 19:48
9M32512.D	AC57328-004	02/28/11 20:12

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-28-11\
Data File : 9M32489.D
Acq On : 28 Feb 2011 9:50
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0209.M
Title : @GCMS_9,mg,625,8270
Last Update : Wed Feb 09 13:45:56 2011



Spectrum Information: Average of 9.645 to 9.655 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.3	37043	PASS
68	69	0.00	2	1.8	732	PASS
69	198	0.00	100	44.9	40285	PASS
70	69	0.00	2	0.7	285	PASS
127	198	40	60	55.0	49262	PASS
197	198	0.00	1	0.5	432	PASS
198	198	100	100	100.0	89626	PASS
199	198	5	9	6.6	5955	PASS
275	198	10	30	20.1	18002	PASS
365	198	1	100	2.1	1849	PASS
441	443	0.01	100	78.9	5450	PASS
442	198	40	100	40.6	36378	PASS
443	442	17	23	19.0	6906	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64932.D
Instrument: GCMS 5 **Analysis Date:** 03/01/11 09:14
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.538 to 9.544 min

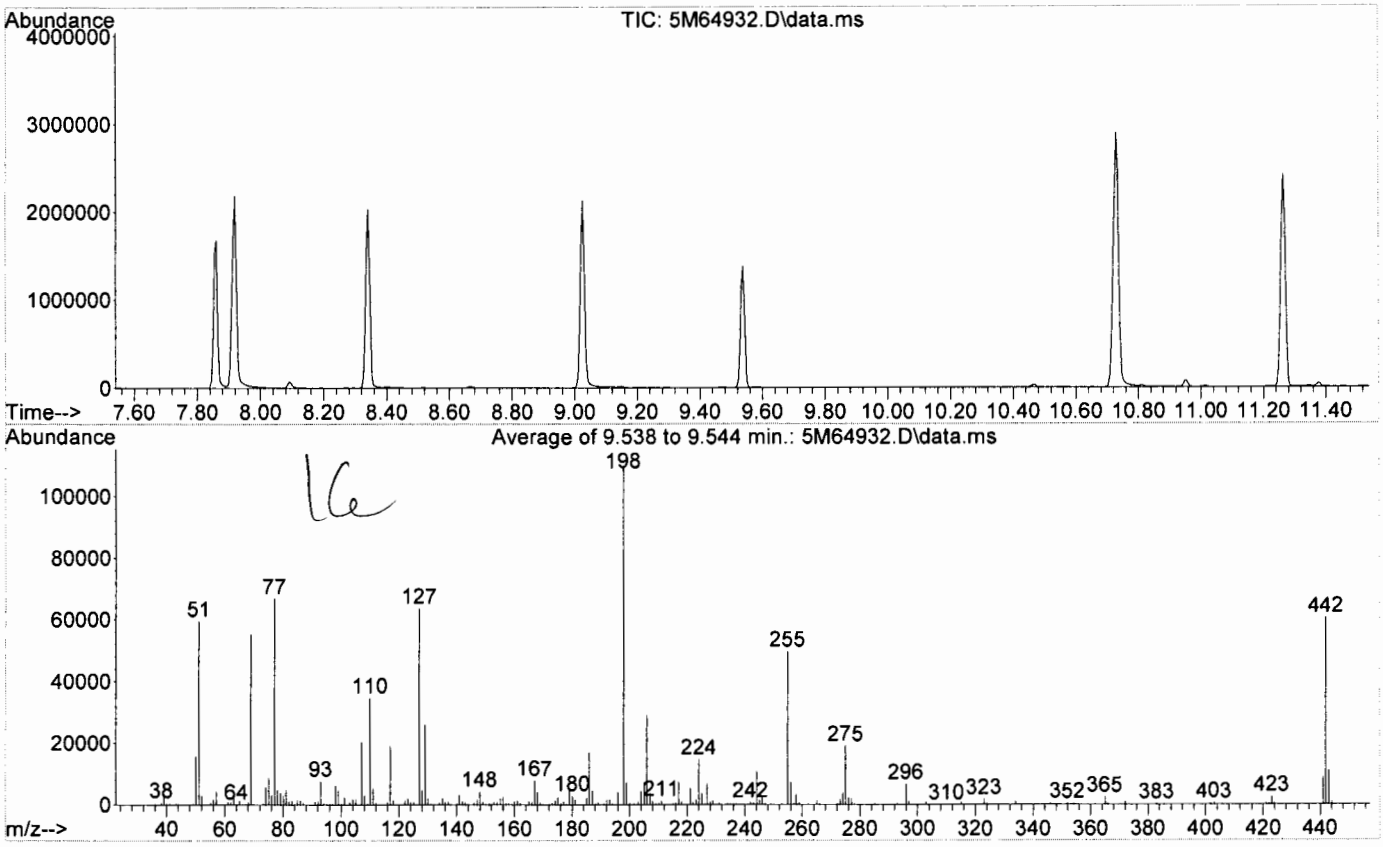
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.1	59476	PASS
68	69	0.00	2	1.7	952	PASS
69	198	0.00	100	50.3	55244	PASS
70	69	0.00	2	0.7	363	PASS
127	198	40	60	58.0	63748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109928	PASS
199	198	5	9	6.6	7251	PASS
275	198	10	30	17.4	19125	PASS
365	198	1	100	2.2	2465	PASS
441	443	0.01	100	81.0	8922	PASS
442	198	40	100	55.1	60524	PASS
443	442	17	23	18.2	11009	PASS

Data File	Sample Number	Analysis Date:
5M64933.D	CAL BNA@50PPM	03/01/11 09:38
5M64934.D	WMB4624	03/01/11 10:06
5M64935.D	AC57098-012(T)	03/01/11 10:29
5M64936.D	AC57098-013(T)	03/01/11 10:53
5M64937.D	AC57098-014(T)	03/01/11 11:17
5M64938.D	AC57098-015(T)	03/01/11 11:41
5M64939.D	AC57100-013(T)	03/01/11 12:04
5M64940.D	AC57100-014(T)	03/01/11 12:28
5M64941.D	AC57100-015(T)	03/01/11 12:51
5M64942.D	AC57100-016(T)	03/01/11 13:15
5M64943.D	AC57330-003(T)	03/01/11 13:39
5M64944.D	EF-2 V-109145(02/	03/01/11 14:03
5M64945.D	EF-3 V-1014(02/22	03/01/11 14:26
5M64946.D	EF-3 V-1014(02/23	03/01/11 14:50
5M64947.D	EF-3 V-1014(02/24	03/01/11 15:14
5M64948.D	EF-3 V-1014(02/25	03/01/11 15:38
5M64949.D	WMB4625	03/01/11 16:02
5M64950.D	SMB4620	03/01/11 16:25
5M64951.D	AC57446-009	03/01/11 16:49
5M64952.D	AC57446-011	03/01/11 17:12
5M64953.D	AC57446-013	03/01/11 17:36
5M64954.D	AC57446-020	03/01/11 18:00
5M64955.D	AC57446-003	03/01/11 18:24
5M64956.D	AC57487-011	03/01/11 18:47
5M64957.D	AC57487-013	03/01/11 19:11
5M64958.D	AC57487-003	03/01/11 19:34
5M64959.D	AC57487-007	03/01/11 19:58
5M64960.D	TEST-1	03/01/11 20:21
5M64961.D	TEST-2(G)	03/01/11 20:44

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Data File : 5M64932.D
Acq On : 1 Mar 2011 9:14
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_5\MethodQt\5M_0209.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Feb 09 13:58:22 2011



Spectrum Information: Average of 9.538 to 9.544 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.1	59476	PASS
68	69	0.00	2	1.7	952	PASS
69	198	0.00	100	50.3	55244	PASS
70	69	0.00	2	0.7	363	PASS
127	198	40	60	58.0	63748	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109928	PASS
199	198	5	9	6.6	7251	PASS
275	198	10	30	17.4	19125	PASS
365	198	1	100	2.2	2465	PASS
441	443	0.01	100	81.0	8922	PASS
442	198	40	100	55.1	60524	PASS
443	442	17	23	18.2	11009	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M32513.D
Instrument: GCMS 9 **Analysis Date:** 03/01/11 09:18
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.639 to 9.650 min

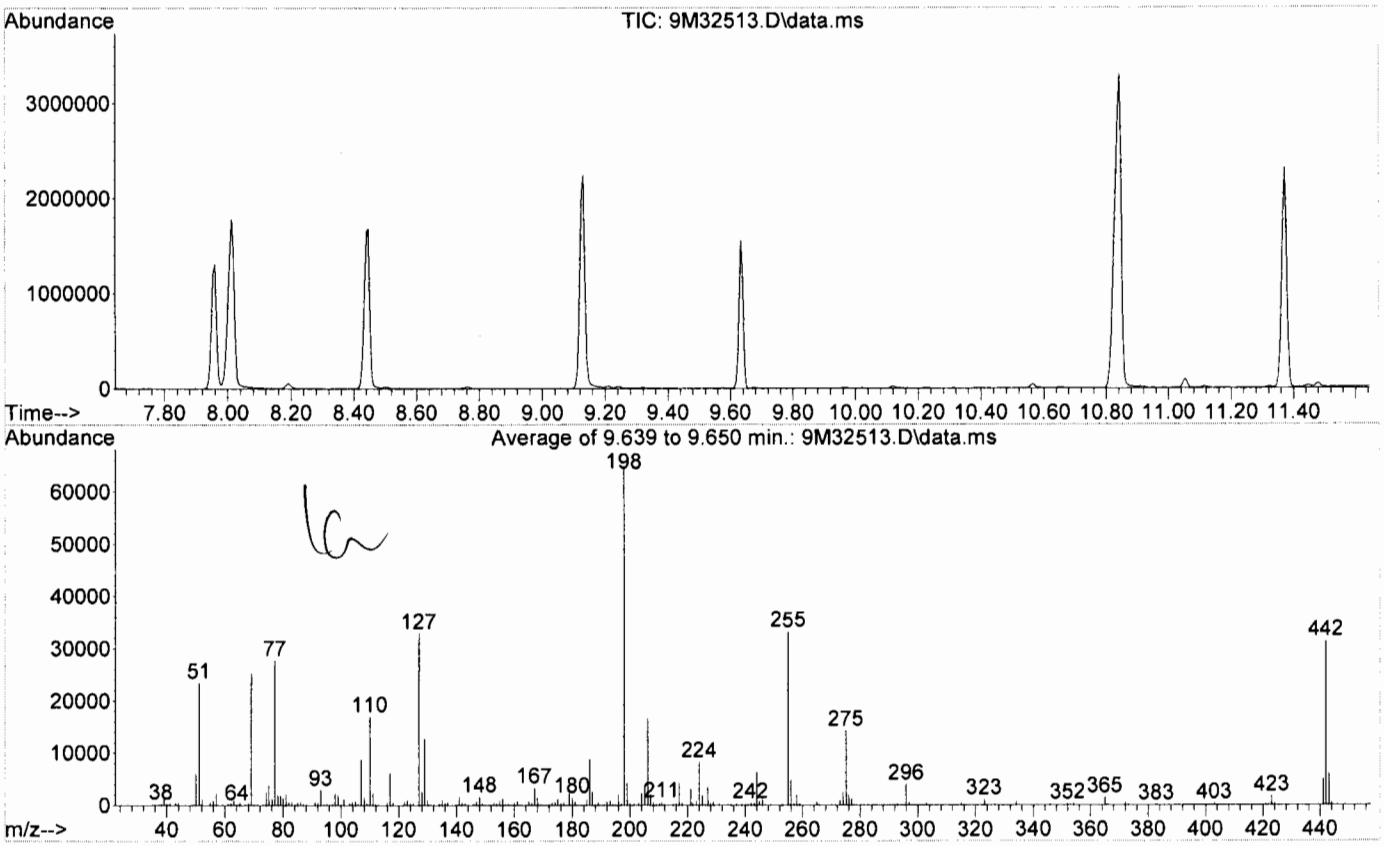
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	36.1	23457	PASS
68	69	0.00	2	1.8	467	PASS
69	198	0.00	100	38.9	25239	PASS
70	69	0.00	2	0.7	186	PASS
127	198	40	60	50.7	32930	PASS
197	198	0.00	1	0.4	279	PASS
198	198	100	100	100.0	64889	PASS
199	198	5	9	6.5	4211	PASS
275	198	10	30	22.0	14272	PASS
365	198	1	100	2.2	1452	PASS
441	443	0.01	100	83.7	4979	PASS
442	198	40	100	48.3	31314	PASS
443	442	17	23	19.0	5950	PASS

Data File	Sample Number	Analysis Date:
9M32514.D	CAL BNA@50PPM	03/01/11 09:41
9M32515.D	WMB4624(MS)	03/01/11 10:05
9M32516.D	WMB4624	03/01/11 10:28
9M32517.D	WMB4616	03/01/11 10:52
9M32518.D	WMB4616(MS)	03/01/11 11:15
9M32519.D	AC57433-002	03/01/11 11:38
9M32520.D	AC57433-002(MS)	03/01/11 12:01
9M32521.D	AC57433-002(MSD	03/01/11 12:24
9M32522.D	WMB4625(MS)	03/01/11 12:47
9M32523.D	WMB4625	03/01/11 13:11
9M32524.D	AC57446-005	03/01/11 13:34
9M32525.D	AC57446-007	03/01/11 13:57
9M32526.D	AC57446-016	03/01/11 14:20
9M32527.D	AC57446-018	03/01/11 14:44
9M32528.D	AC57359-002(5X)	03/01/11 15:07
9M32529.D	AC57446-001	03/01/11 15:30
9M32530.D	AC57446-001(MS)	03/01/11 15:53
9M32531.D	AC57487-031(3X)	03/01/11 16:16
9M32532.D	SMB4620(MS)	03/01/11 16:40
9M32533.D	SMB4620	03/01/11 17:03
9M32534.D	AC57446-001(MSD	03/01/11 17:26
9M32535.D	AC57487-031(3X)(	03/01/11 17:49
9M32536.D	AC57487-031(3X)(	03/01/11 18:12
9M32537.D	AC57487-009	03/01/11 18:36
9M32538.D	AC57487-015	03/01/11 18:59
9M32539.D	AC57487-017	03/01/11 19:22
9M32540.D	AC57446-007(3X)	03/01/11 19:45
9M32541.D	AC57446-016(10X)	03/01/11 20:08
9M32542.D	AC57446-018(200	03/01/11 20:31
9M32543.D	AC57411-006(R)	03/01/11 20:54
9M32544.D	AC57433-001	03/01/11 21:17
9M32545.D	AC57424-001	03/01/11 21:40
9M32546.D	AC57424-002	03/01/11 22:04
9M32547.D	AC57450-001	03/01/11 22:27
9M32548.D	AC57450-002	03/01/11 22:50
9M32549.D	AC57450-003	03/01/11 23:13
9M32550.D	AC57450-004	03/01/11 23:36
9M32551.D	AC57450-005	03/01/11 23:59
9M32552.D	AC57437-002	03/02/11 00:22
9M32553.D	AC57437-004	03/02/11 00:45
9M32554.D	AC57437-006	03/02/11 01:08
9M32555.D	AC57437-008	03/02/11 01:32

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Data File : 9M32513.D
Acq On : 1 Mar 2011 9:18
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2011\GCMS_9\MethodQt\9M_0228.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Feb 28 14:40:33 2011



Spectrum Information: Average of 9.639 to 9.650 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.1	23457	PASS
68	69	0.00	2	1.8	467	PASS
69	198	0.00	100	38.9	25239	PASS
70	69	0.00	2	0.7	186	PASS
127	198	40	60	50.7	32930	PASS
197	198	0.00	1	0.4	279	PASS
198	198	100	100	100.0	64889	PASS
199	198	5	9	6.5	4211	PASS
275	198	10	30	22.0	14272	PASS
365	198	1	100	2.2	1452	PASS
441	443	0.01	100	83.7	4979	PASS
442	198	40	100	48.3	31314	PASS
443	442	17	23	19.0	5950	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19637.D
Instrument: GCMS 10 **Analysis Date:** 03/02/11 13:17
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.789 to 9.795 min

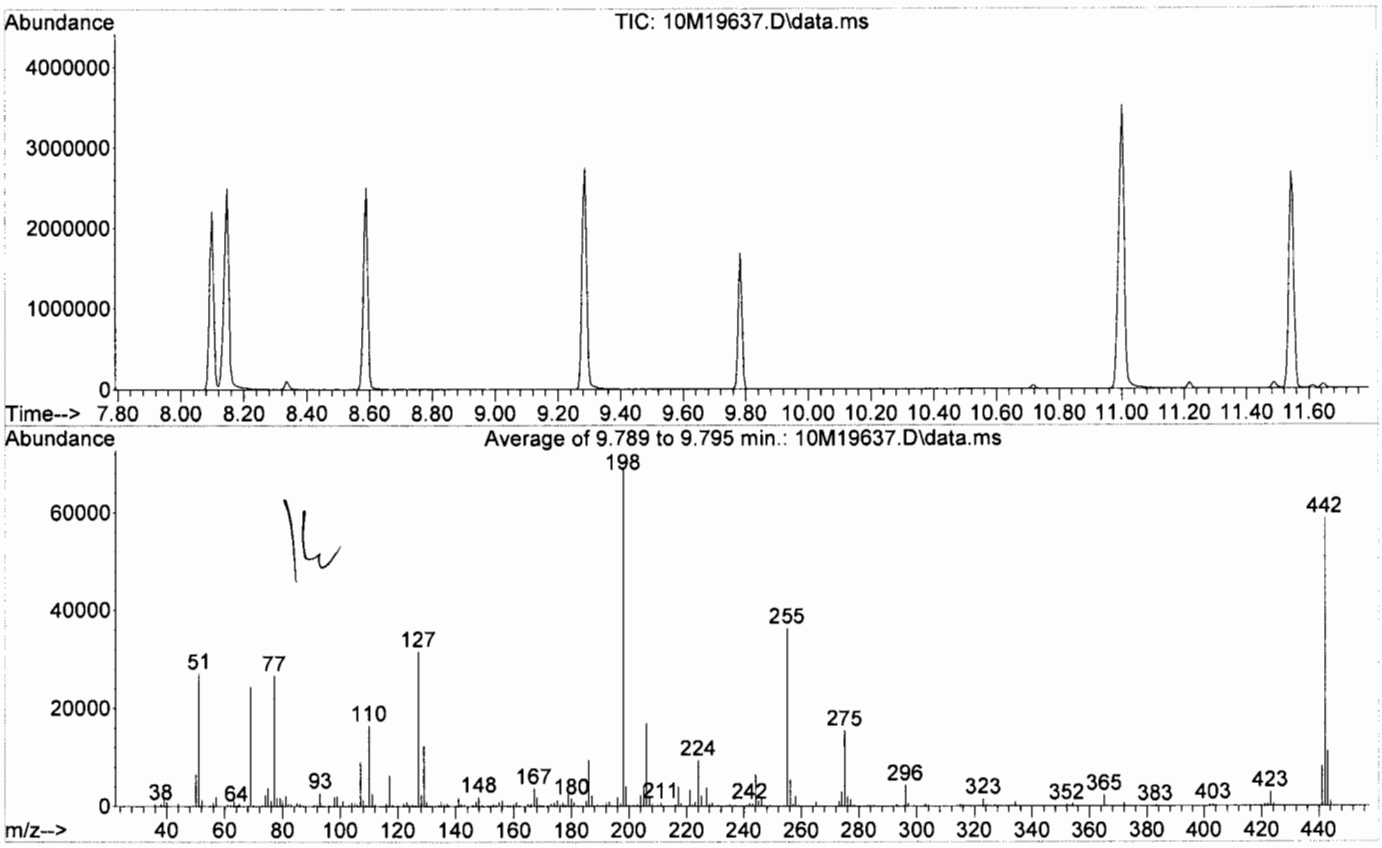
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	39.1	27098	PASS
68	69	0.00	2	0.9	222	PASS
69	198	0.00	100	35.2	24393	PASS
70	69	0.00	2	0.5	124	PASS
127	198	40	60	45.7	31615	PASS
197	198	0.00	1	0.9	628	PASS
198	198	100	100	100.0	69232	PASS
199	198	5	9	6.0	4139	PASS
275	198	10	30	22.3	15417	PASS
365	198	1	100	3.2	2239	PASS
441	443	0.01	100	73.1	8163	PASS
442	198	40	100	84.8	58700	PASS
443	442	17	23	19.0	11160	PASS

Data File	Sample Number	Analysis Date:
10M19638.D	CAL BNA@50PPM	03/02/11 14:04
10M19639.D	CAL BNA@2PPM	03/02/11 15:31
10M19640.D	CAL BNA@.5PPM	03/02/11 15:54
10M19641.D	CAL BNA@10PPM	03/02/11 16:16
10M19642.D	CAL BNA@20PPM	03/02/11 16:38
10M19643.D	CAL BNA@80PPM	03/02/11 17:00
10M19644.D	CAL BNA@120PP	03/02/11 17:22
10M19645.D	CAL BNA@160PP	03/02/11 17:45
10M19646.D	CAL BNA@196PP	03/02/11 18:07
10M19647.D	ICV BNA@50PPM	03/02/11 18:29
10M19648.D	SMB4620	03/02/11 19:54
10M19649.D	WMB4634	03/02/11 20:16
10M19650.D	AC57417-002	03/02/11 20:38
10M19651.D	AC57417-005	03/02/11 21:01
10M19652.D	AC57445-002	03/02/11 21:23
10M19653.D	AC57445-006	03/02/11 21:45
10M19654.D	AC57481-002	03/02/11 22:07
10M19655.D	AC57481-003	03/02/11 22:30
10M19656.D	AC57481-006	03/02/11 22:52
10M19657.D	AC57494-002	03/02/11 23:14
10M19658.D	AC57494-005	03/02/11 23:36

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-02-11\
Data File : 10M19637.D
Acq On : 2 Mar 2011 13:17
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT2.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_302.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Mar 02 19:34:58 2011



Spectrum Information: Average of 9.789 to 9.795 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.1	27098	PASS
68	69	0.00	2	0.9	222	PASS
69	198	0.00	100	35.2	24393	PASS
70	69	0.00	2	0.5	124	PASS
127	198	40	60	45.7	31615	PASS
197	198	0.00	1	0.9	628	PASS
198	198	100	100	100.0	69232	PASS
199	198	5	9	6.0	4139	PASS
275	198	10	30	22.3	15417	PASS
365	198	1	100	3.2	2239	PASS
441	443	0.01	100	73.1	8163	PASS
442	198	40	100	84.8	58700	PASS
443	442	17	23	19.0	11160	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M64979.D
Instrument: GCMS 5 **Analysis Date:** 03/03/11 09:17
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.538 to 9.549 min

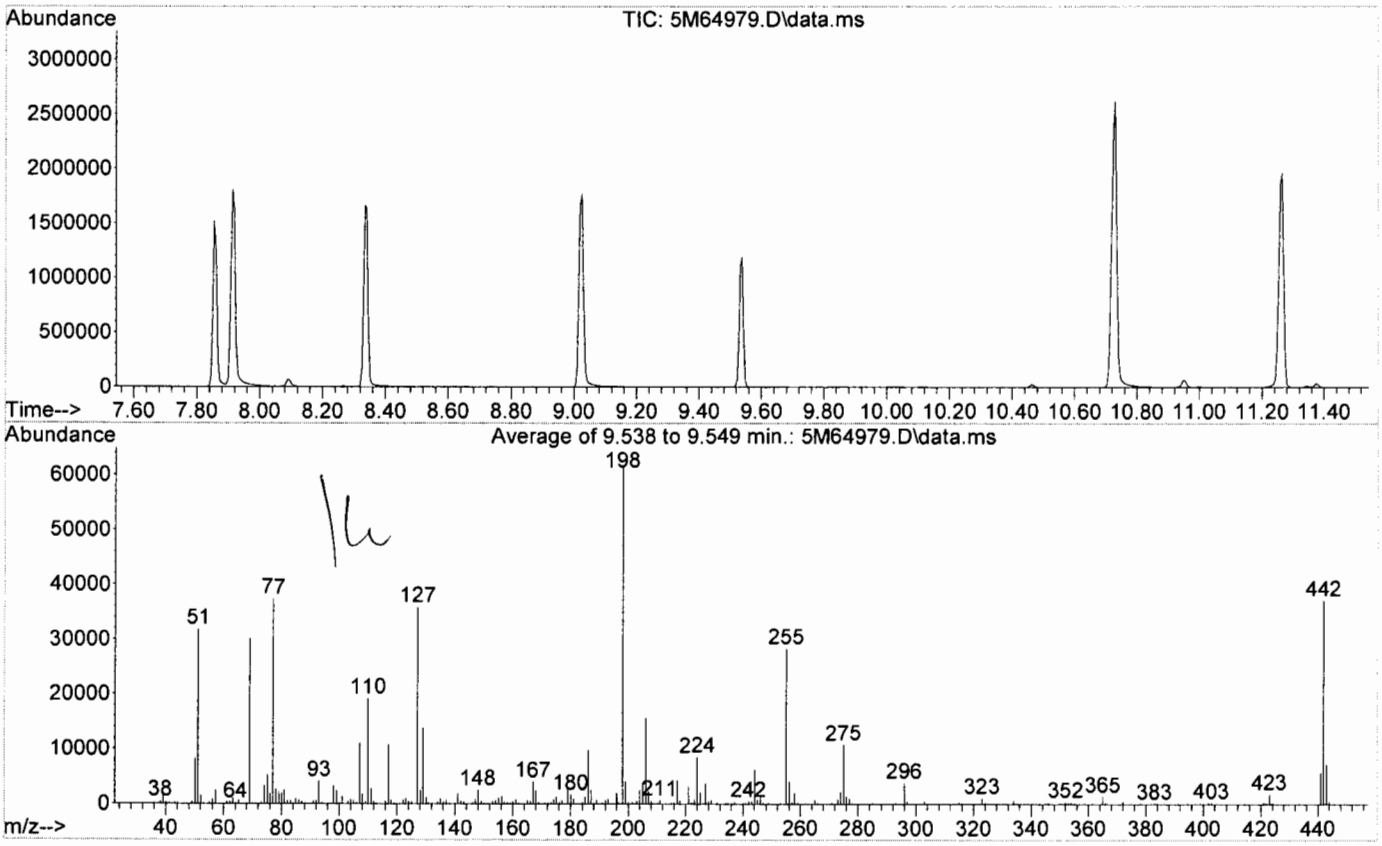
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.4	31792	PASS
68	69	0.00	2	0.5	145	PASS
69	198	0.00	100	48.7	30101	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	58.0	35822	PASS
197	198	0.00	1	0.6	356	PASS
198	198	100	100	100.0	61808	PASS
199	198	5	9	6.7	4148	PASS
275	198	10	30	17.5	10828	PASS
365	198	1	100	2.2	1390	PASS
441	443	0.01	100	80.1	5785	PASS
442	198	40	100	60.1	37158	PASS
443	442	17	23	19.4	7226	PASS

Data File	Sample Number	Analysis Date:
5M64980.D	CAL BNA@50PPM	03/03/11 09:47
5M64981.D	CAL BNA@2PPM	03/03/11 10:16
5M64982.D	CAL BNA@.5PPM	03/03/11 10:40
5M64983.D	CAL BNA@10PPM	03/03/11 11:04
5M64984.D	CAL BNA@20PPM	03/03/11 11:28
5M64985.D	CAL BNA@80PPM	03/03/11 11:52
5M64986.D	CAL BNA@120PP	03/03/11 12:16
5M64987.D	CAL BNA@160PP	03/03/11 12:40
5M64988.D	CAL BNA@196PP	03/03/11 13:04
5M64989.D	CAL BNA@50PPM	03/03/11 13:27
5M64990.D	CAL BNA@2PPM	03/03/11 16:15
5M64991.D	CAL BNA@10PPM	03/03/11 16:38
5M64992.D	ICV BNA@50PPM	03/03/11 17:06

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-03-11\
Data File : 5M64979.D
Acq On : 3 Mar 2011 9:17
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT2.P

Method : G:\GCMSDATA\2011\GCMS_5\METHODQT\5M_302.M
Title : @GCMS_5,mg,625,8270
Last Update : Wed Mar 02 17:57:24 2011



Spectrum Information: Average of 9.538 to 9.549 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.4	31792	PASS
68	69	0.00	2	0.5	145	PASS
69	198	0.00	100	48.7	30101	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	58.0	35822	PASS
197	198	0.00	1	0.6	356	PASS
198	198	100	100	100.0	61808	PASS
199	198	5	9	6.7	4148	PASS
275	198	10	30	17.5	10828	PASS
365	198	1	100	2.2	1390	PASS
441	443	0.01	100	80.1	5785	PASS
442	198	40	100	60.1	37158	PASS
443	442	17	23	19.4	7226	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 5M65029.D
Instrument: GCMS 5 **Analysis Date:** 03/04/11 09:54
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.533 to 9.538 min

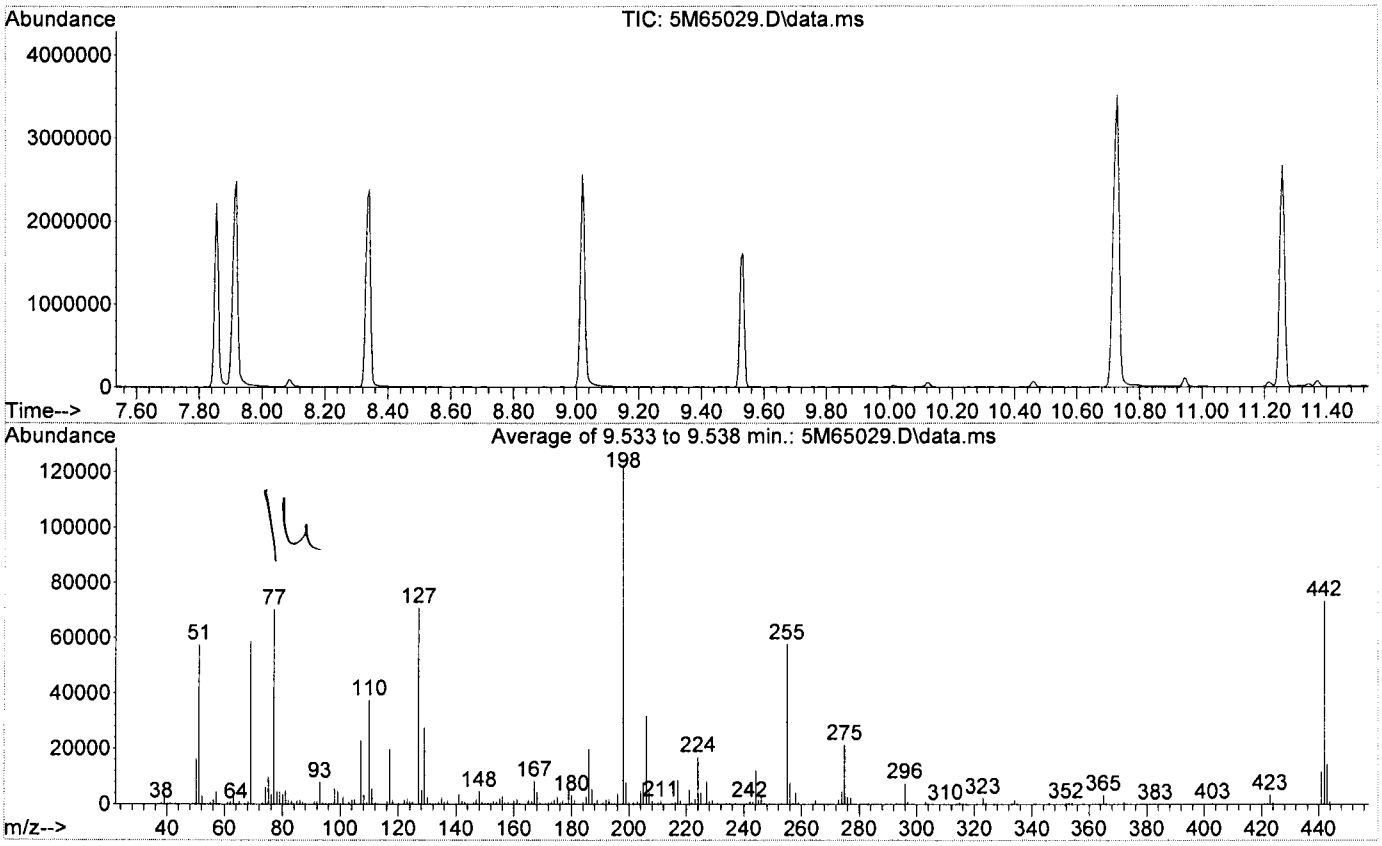
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	47.1	57764	PASS
68	69	0.00	2	1.6	926	PASS
69	198	0.00	100	48.0	58892	PASS
70	69	0.00	2	0.7	398	PASS
127	198	40	60	57.8	70908	PASS
197	198	0.00	1	0.2	291	PASS
198	198	100	100	100.0	122584	PASS
199	198	5	9	6.5	8015	PASS
275	198	10	30	17.5	21440	PASS
365	198	1	100	2.7	3365	PASS
441	443	0.01	100	82.1	11740	PASS
442	198	40	100	59.7	73220	PASS
443	442	17	23	19.5	14303	PASS

Data File	Sample Number	Analysis Date:
5M65030.D	CAL BNA@50PPM	03/04/11 10:17
5M65031.D	WMB4657(MS)	03/04/11 10:43
5M65032.D	WMB4657	03/04/11 11:08
5M65033.D	SMB4643	03/04/11 11:31
5M65034.D	AC57497-004	03/04/11 11:55
5M65035.D	WMB4657(MS)	03/04/11 12:18
5M65036.D	AC57497-014	03/04/11 12:42
5M65037.D	AC57497-013(3X)	03/04/11 13:05
5M65038.D	SMB4662(MS)	03/04/11 13:29
5M65039.D	SMB4662	03/04/11 13:53
5M65040.D	AC57526-001	03/04/11 14:16
5M65041.D	AC57526-002	03/04/11 14:39
5M65042.D	AC57526-003	03/04/11 15:03
5M65043.D	AC57526-004	03/04/11 15:26
5M65044.D	AC57526-005	03/04/11 15:50
5M65045.D	AC57526-006	03/04/11 16:14
5M65046.D	AC57526-007	03/04/11 16:37
5M65047.D	AC57497-006(2X)	03/04/11 17:01
5M65048.D	AC57507-005(15X)	03/04/11 17:25
5M65049.D	AC57391-012(10X)	03/04/11 17:49
5M65050.D	AC57500-001(3X)	03/04/11 18:12
5M65051.D	AC57527-001	03/04/11 18:35
5M65052.D	WMB4661	03/04/11 18:59
5M65053.D	AC57481-006(R)	03/04/11 19:22
5M65054.D	AC57417-002(R)	03/04/11 19:46
5M65055.D	AC57494-002(R)	03/04/11 20:09
5M65056.D	AC57527-002	03/04/11 20:33
5M65057.D	AC57527-003	03/04/11 20:56
5M65058.D	AC57527-004	03/04/11 21:19
5M65059.D	AC57527-005	03/04/11 21:43

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Data File : 5M65029.D
Acq On : 4 Mar 2011 9:54
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT42.P

Method : G:\GCMSDATA\2011\GCMS_5\METHODQT\5M_303.M
Title : @GCMS_5,mg,625,8270
Last Update : Thu Mar 03 16:56:32 2011



Spectrum Information: Average of 9.533 to 9.538 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.1	57764	PASS
68	69	0.00	2	1.6	926	PASS
69	198	0.00	100	48.0	58892	PASS
70	69	0.00	2	0.7	398	PASS
127	198	40	60	57.8	70908	PASS
197	198	0.00	1	0.2	291	PASS
198	198	100	100	100.0	122584	PASS
199	198	5	9	6.5	8015	PASS
275	198	10	30	17.5	21440	PASS
365	198	1	100	2.7	3365	PASS
441	443	0.01	100	82.1	11740	PASS
442	198	40	100	59.7	73220	PASS
443	442	17	23	19.5	14303	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M19708.D
Instrument: GCMS 10 **Analysis Date:** 03/04/11 09:58
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.779 to 9.784 min

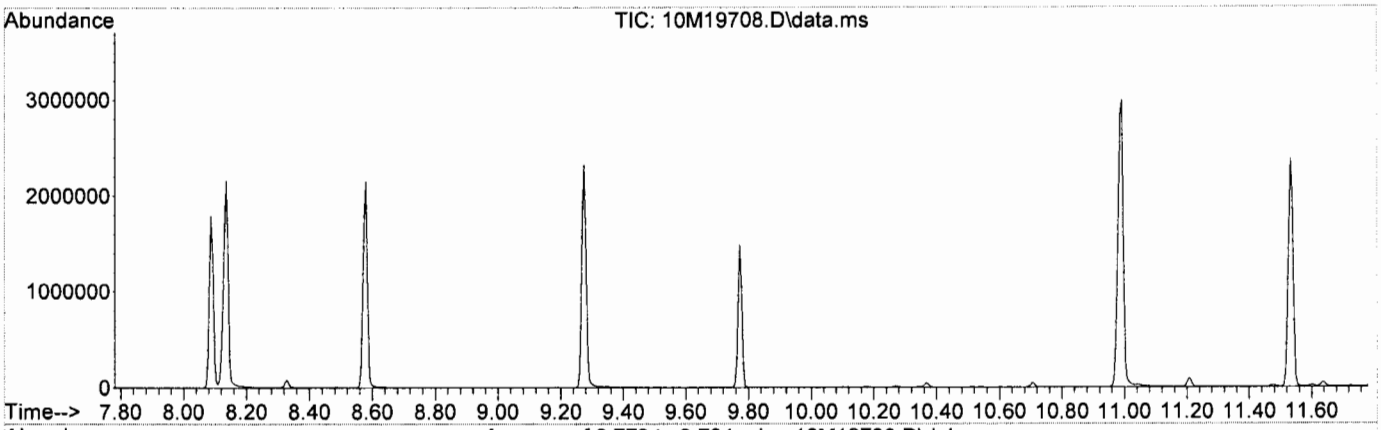
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	43.3	33766	PASS
68	69	0.00	2	1.2	347	PASS
69	198	0.00	100	36.5	28420	PASS
70	69	0.00	2	0.4	119	PASS
127	198	40	60	48.1	37485	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77892	PASS
199	198	5	9	6.3	4883	PASS
275	198	10	30	21.9	17062	PASS
365	198	1	100	2.8	2197	PASS
441	443	0.01	100	75.2	8690	PASS
442	198	40	100	74.2	57780	PASS
443	442	17	23	20.0	11562	PASS

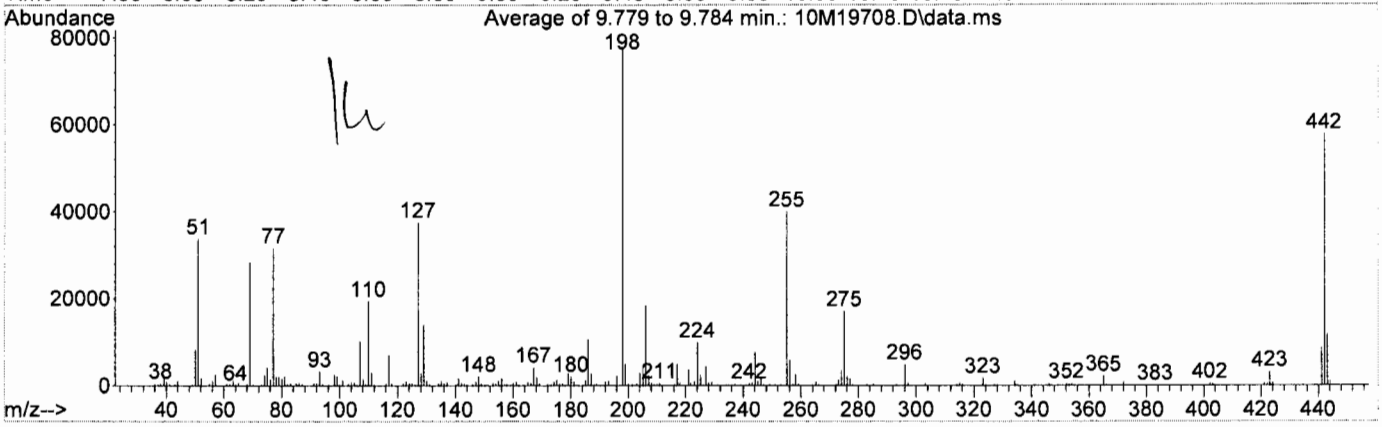
Data File	Sample Number	Analysis Date:
10M19709.D	CAL BNA@50PPM	03/04/11 10:20
10M19710.D	WMB4656	03/04/11 10:42
10M19711.D	WMB4657	03/04/11 11:04
10M19712.D	AC57490-006(R)	03/04/11 11:27
10M19713.D	AC57098-016(T)	03/04/11 11:49
10M19714.D	AC57098-017(T)	03/04/11 12:11
10M19715.D	AC57098-018(T)	03/04/11 12:33
10M19716.D	WMB4661(MS)	03/04/11 12:55
10M19717.D	WMB4661	03/04/11 13:18
10M19718.D	AC57098-019(T)	03/04/11 13:40
10M19719.D	AC57098-020(T)	03/04/11 14:02
10M19720.D	AC57542-003	03/04/11 14:24
10M19721.D	AC57542-003(MS)	03/04/11 14:47
10M19722.D	AC57542-003(MSD	03/04/11 15:08
10M19723.D	AC57100-017(T)	03/04/11 15:31
10M19724.D	AC57100-018(T)	03/04/11 15:53
10M19725.D	AC57100-019(T)	03/04/11 16:15
10M19726.D	AC57100-020(T)	03/04/11 16:37
10M19727.D	AC57100-021(T)	03/04/11 16:59
10M19728.D	EF-3 V-1014(02/26	03/04/11 17:22
10M19729.D	EF-3 V-1014(02/27	03/04/11 17:44
10M19730.D	EF-3 V-1014(02/28	03/04/11 18:06
10M19731.D	EF-3 V-1014(03/01	03/04/11 18:28
10M19732.D	EF-3 V-1014(03/02	03/04/11 18:50
10M19733.D	EF-SPLP V-10913	03/04/11 19:13
10M19734.D	AC57497-012	03/04/11 19:35
10M19735.D	AC57342-002(T)	03/04/11 19:57
10M19736.D	AC57341-003(T)	03/04/11 20:19
10M19737.D	AC57498-002	03/04/11 20:41
10M19738.D	AC57484-002	03/04/11 21:03
10M19739.D	AC57484-003	03/04/11 21:25
10M19740.D	AC57485-002	03/04/11 21:47
10M19741.D	AC57472-001	03/04/11 22:10
10M19742.D	AC57472-002	03/04/11 22:32
10M19743.D	AC57517-001	03/04/11 22:54
10M19744.D	AC57517-002	03/04/11 23:16
10M19745.D	AC57542-002	03/04/11 23:38

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Data File : 10M19708.D
Acq On : 4 Mar 2011 9:58
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT2.P

Method : G:\GCMSDATA\2011\GCMS_10\METHODQT\10M_302.M
Title : @GCMS_10,mg,625,8270
Last Update : Wed Mar 02 19:34:58 2011





Spectrum Information: Average of 9.779 to 9.784 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.3	33766	PASS
68	69	0.00	2	1.2	347	PASS
69	198	0.00	100	36.5	28420	PASS
70	69	0.00	2	0.4	119	PASS
127	198	40	60	48.1	37485	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77892	PASS
199	198	5	9	6.3	4883	PASS
275	198	10	30	21.9	17062	PASS
365	198	1	100	2.8	2197	PASS
441	443	0.01	100	75.2	8690	PASS
442	198	40	100	74.2	57780	PASS
443	442	17	23	20.0	11562	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4536
Client Id:
Data File: 5M64713.D
Analysis Date: 02/16/11 10:16
Date Rec/Extracted: NA-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182561

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4536
Client Id:
Data File: 5M64713.D
Analysis Date: 02/16/11 10:16
Date Rec/Extracted: NA-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182561

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

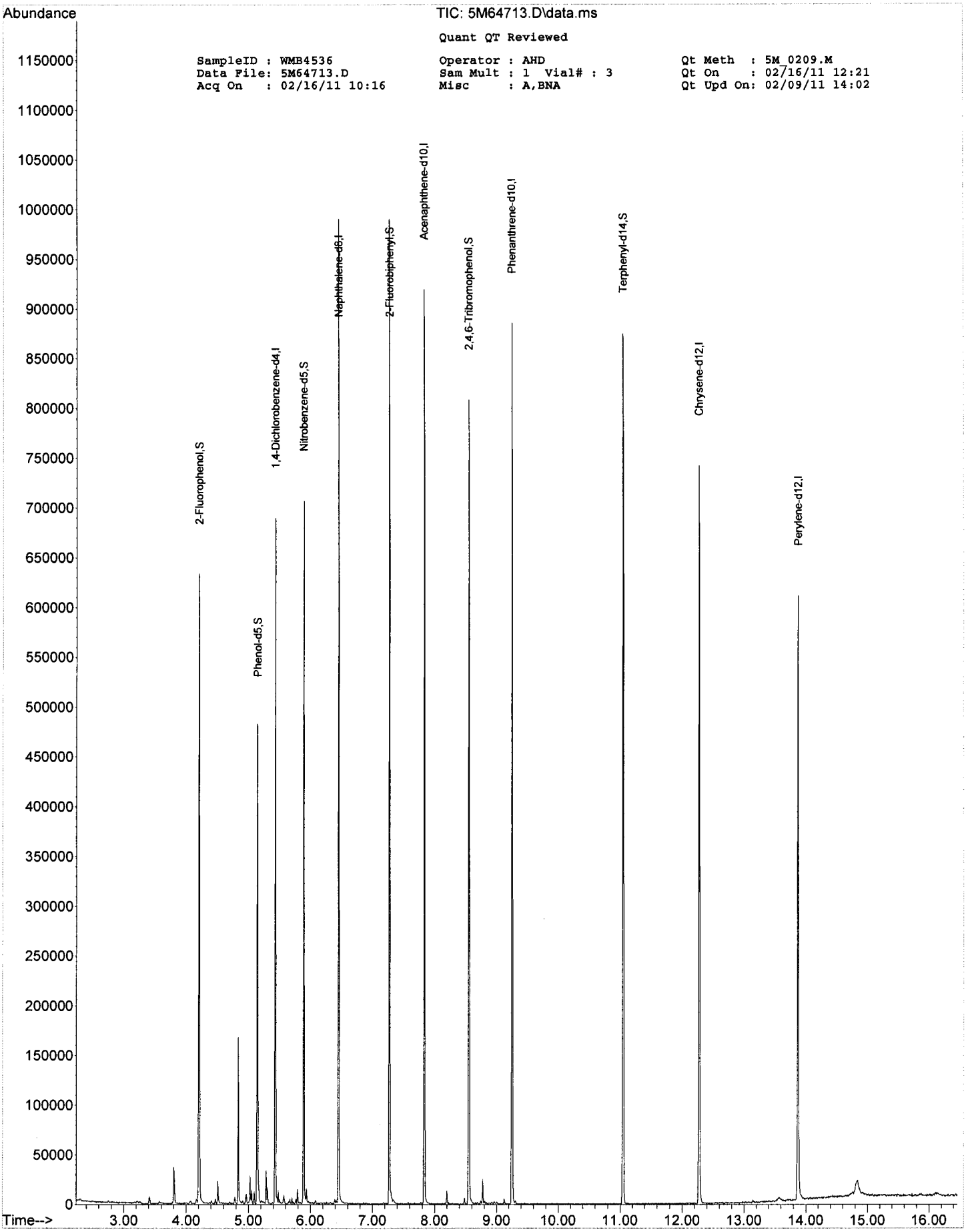
Quantitation Report (QT Reviewed)

SampleID : WMB4536 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64713.D Sam Mult : 1 Vial# : 3 Qt On : 02/16/11 12:21
Acq On : 02/16/11 10:16 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	74271	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	298931	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	168448	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	288787	40.00	ng	-0.02
88) Chrysene-d12	12.275	240	228837	40.00	ng	-0.03
100) Perylene-d12	13.873	264	196289	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	151002	62.10	ng	-0.03
Spiked Amount 100.000			Recovery = 62.10%			
15) Phenol-d5	5.143	99	146452	42.67	ng	-0.02
Spiked Amount 100.000			Recovery = 42.67%			
30) Nitrobenzene-d5	5.891	128	65046	50.81	ng	-0.02
Spiked Amount 50.000			Recovery = 101.62%			
52) 2-Fluorobiphenyl	7.275	172	257680	48.45	ng	-0.01
Spiked Amount 50.000			Recovery = 96.90%			
77) 2,4,6-Tribromophenol	8.552	330	42017	100.04	ng	-0.02
Spiked Amount 100.000			Recovery = 100.04%			
91) Terphenyl-d14	11.052	244	239287	52.90	ng	-0.02
Spiked Amount 50.000			Recovery = 105.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : WMB4536
Data File: 5M64713.D
Acq On : 02/16/11 10:16
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:21
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4565
Client Id:
Data File: 5M64793.D
Analysis Date: 02/22/11 08:38
Date Rec/Extracted: NA-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182561

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

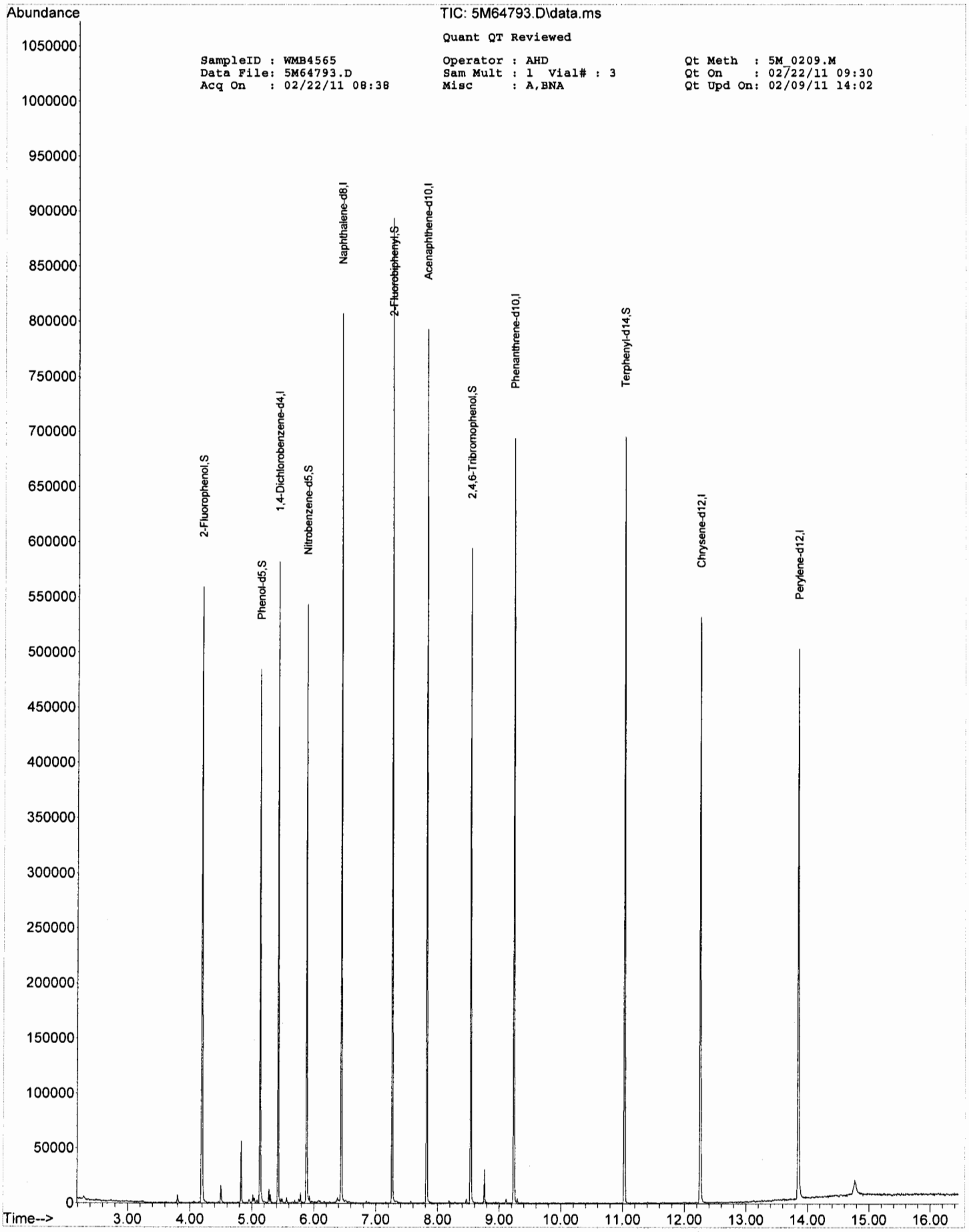
Quantitation Report (QT Reviewed)

SampleID : WMB4565 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64793.D Sam Mult : 1 Vial# : 3 Qt On : 02/22/11 09:30
Acq On : 02/22/11 08:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.420	152	61939	40.00	ng	-0.03
29) Naphthalene-d8	6.440	136	241009	40.00	ng	-0.03
47) Acenaphthene-d10	7.818	164	131310	40.00	ng	-0.03
74) Phenanthrene-d10	9.234	188	217850	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	176293	40.00	ng	-0.05
100) Perylene-d12	13.850	264	153715	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.191	112	136167	67.15	ng	-0.04
Spiked Amount 100.000			Recovery = 67.15%			
15) Phenol-d5	5.126	99	130738	45.68	ng	-0.04
Spiked Amount 100.000			Recovery = 45.68%			
30) Nitrobenzene-d5	5.879	128	48614	47.10	ng	-0.03
Spiked Amount 50.000			Recovery = 94.20%			
52) 2-Fluorobiphenyl	7.263	172	200032	48.25	ng	-0.02
Spiked Amount 50.000			Recovery = 96.50%			
77) 2,4,6-Tribromophenol	8.534	330	30436	96.07	ng	-0.04
Spiked Amount 100.000			Recovery = 96.07%			
91) Terphenyl-d14	11.029	244	174272	50.01	ng	-0.04
Spiked Amount 50.000			Recovery = 100.02%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Acq On : 02/22/11 08:38
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/22/11 09:30
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4585
Client Id:
Data File: 5M64838.D
Analysis Date: 02/24/11 10:42
Date Rec/Extracted: NA-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182553

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

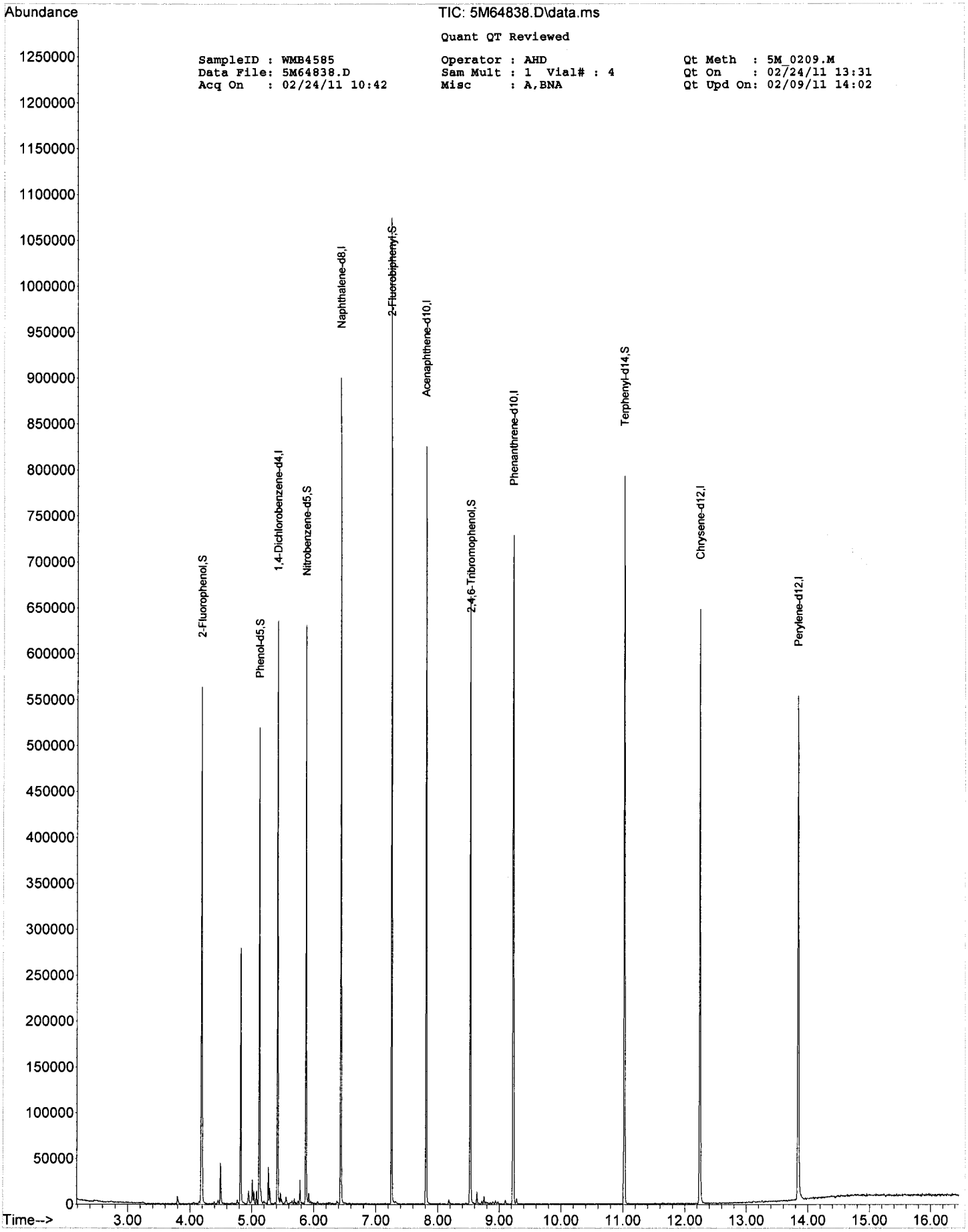
Quantitation Report (QT Reviewed)

SampleID : WMB4585 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64838.D Sam Mult : 1 Vial# : 4 Qt On : 02/24/11 13:31
Acq On : 02/24/11 10:42 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	68644	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	264527	40.00	ng	-0.03
47) Acenaphthene-d10	7.808	164	147006	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	248334	40.00	ng	-0.04
88) Chrysene-d12	12.247	240	199116	40.00	ng	-0.06
100) Perylene-d12	13.839	264	176051	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	142807	63.55	ng	-0.04
Spiked Amount 100.000			Recovery = 63.55%			
15) Phenol-d5	5.120	99	135559	42.74	ng	-0.04
Spiked Amount 100.000			Recovery = 42.74%			
30) Nitrobenzene-d5	5.874	128	56138	49.56	ng	-0.03
Spiked Amount 50.000			Recovery = 99.12%			
52) 2-Fluorobiphenyl	7.252	172	223735	48.20	ng	-0.03
Spiked Amount 50.000			Recovery = 96.40%			
77) 2,4,6-Tribromophenol	8.529	330	36157	100.12	ng	-0.04
Spiked Amount 100.000			Recovery = 100.12%			
91) Terphenyl-d14	11.024	244	203125	51.61	ng	-0.04
Spiked Amount 50.000			Recovery = 103.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : WMB4585
Data File: 5M64838.D
Acq On : 02/24/11 10:42
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/24/11 13:31
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4624
Client Id:
Data File: 5M64934.D
Analysis Date: 03/01/11 10:06
Date Rec/Extracted: NA-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182518

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

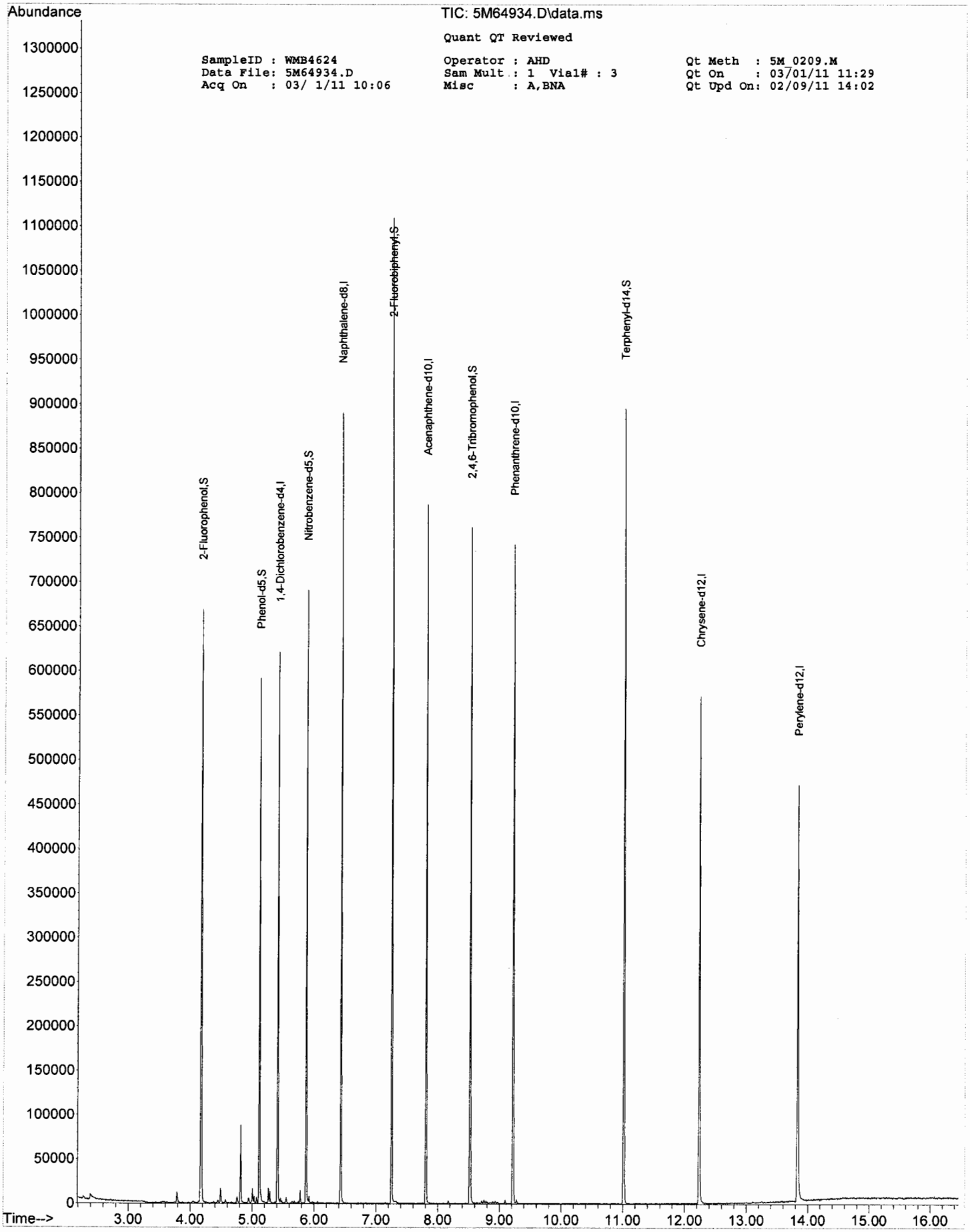
Quantitation Report (QT Reviewed)

SampleID : WMB4624 Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64934.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/11 11:29
Acq On : 03/ 1/11 10:06 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	68474	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	260107	40.00	ng	-0.04
47) Acenaphthene-d10	7.802	164	141733	40.00	ng	-0.05
74) Phenanthrene-d10	9.218	188	233320	40.00	ng	-0.06
88) Chrysene-d12	12.236	240	183682	40.00	ng	-0.07
100) Perylene-d12	13.833	264	161255	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	167165	74.57	ng	-0.06
Spiked Amount 100.000			Recovery = 74.57%			
15) Phenol-d5	5.109	99	157383	49.74	ng	-0.06
Spiked Amount 100.000			Recovery = 49.74%			
30) Nitrobenzene-d5	5.868	128	61875	55.55	ng	-0.04
Spiked Amount 50.000			Recovery = 111.10%			
52) 2-Fluorobiphenyl	7.246	172	249083	55.66	ng	-0.04
Spiked Amount 50.000			Recovery = 111.32%			
77) 2,4,6-Tribromophenol	8.518	330	37982	111.94	ng	-0.06
Spiked Amount 100.000			Recovery = 111.94%			
91) Terphenyl-d14	11.013	244	219902	60.57	ng	-0.06
Spiked Amount 50.000			Recovery = 121.14%			
Target Compounds						Qvalue

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


Abundance
TIC: 5M64934.D\data.ms
Quant QT Reviewed
SampleID : WMB4624
Data File: 5M64934.D
Acq On : 03/ 1/11 10:06
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03/01/11 11:29
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB4657
Client Id:
Data File: 10M19711.D
Analysis Date: 03/04/11 11:04
Date Rec/Extracted: NA-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	218-01-9	Chrysene	0.16	2.0	U
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	2-Methylnaphthalene	0.79	2.0	U	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	206-44-0	Fluoranthene	0.14	2.0	U
99-09-2	3-Nitroaniline	1.9	2.0	U	86-73-7	Fluorene	0.20	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-66-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	91-20-3	Naphthalene	0.16	0.50	U
83-32-9	Acenaphthene	0.21	2.0	U	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	Acenaphthylene	0.14	2.0	U	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	Anthracene	0.34	2.0	U	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	Benzo[a]anthracene	0.13	2.0	U	85-01-8	Phenanthrene	0.15	2.0	U
50-32-8	Benzo[a]pyrene	0.17	2.0	U	108-95-2	Phenol	0.65	2.0	U
205-99-2	Benzo[b]fluoranthene	0.097	2.0	U	129-00-0	Pyrene	0.13	2.0	U
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

Worksheet #: 183430

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

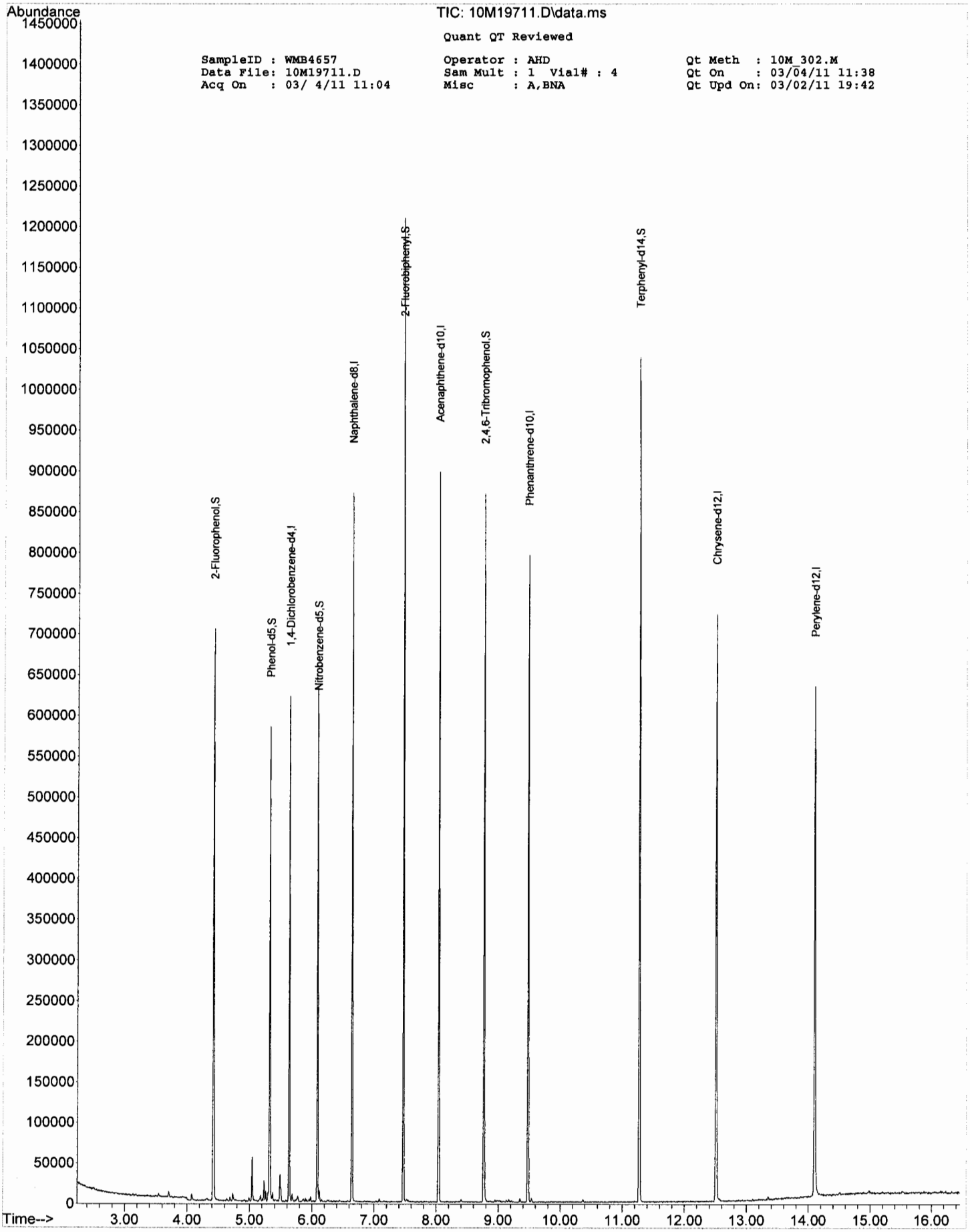
Quantitation Report (QT Reviewed)

SampleID : WMB4657 Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19711.D Sam Mult : 1 Vial# : 4 Qt On : 03/04/11 11:38
Acq On : 03/ 4/11 11:04 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	72029	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	302372	40.00	ng	0.00
51) Acenaphthene-d10	8.040	164	169129	40.00	ng	-0.01
85) Phenanthrene-d10	9.479	188	274722	40.00	ng	-0.01
102) Chrysene-d12	12.506	240	252950	40.00	ng	-0.02
115) Perylene-d12	14.100	264	233005	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	188160	77.76	ng	0.00
Spiked Amount 100.000			Recovery = 77.76%			
16) Phenol-d5	5.323	99	161912	52.45	ng	0.00
Spiked Amount 100.000			Recovery = 52.45%			
32) Nitrobenzene-d5	6.088	128	70536	55.43	ng	0.00
Spiked Amount 50.000			Recovery = 110.86%			
56) 2-Fluorobiphenyl	7.468	172	289079	56.26	ng	-0.01
Spiked Amount 50.000			Recovery = 112.52%			
88) 2,4,6-Tribromophenol	8.767	330	59260	120.05	ng	-0.01
Spiked Amount 100.000			Recovery = 120.05%			
105) Terphenyl-d14	11.271	244	301225	58.91	ng	-0.01
Spiked Amount 50.000			Recovery = 117.82%			
Target Compounds						Qvalue

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


Abundance
TIC: 10M19711.D\data.ms
Quant QT Reviewed
SampleID : WMB4657
Data File: 10M19711.D
Acq On : 03/ 4/11 11:04
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/04/11 11:38
Qt Upd On: 03/02/11 19:42
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/11)
Client Id:
Data File: 9M32373.D
Analysis Date: 02/17/11 12:01
Date Rec/Extracted: NA-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 181941

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/11)
Client Id:
Data File: 9M32373.D
Analysis Date: 02/17/11 12:01
Date Rec/Extracted: NA-02/15/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 181941

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

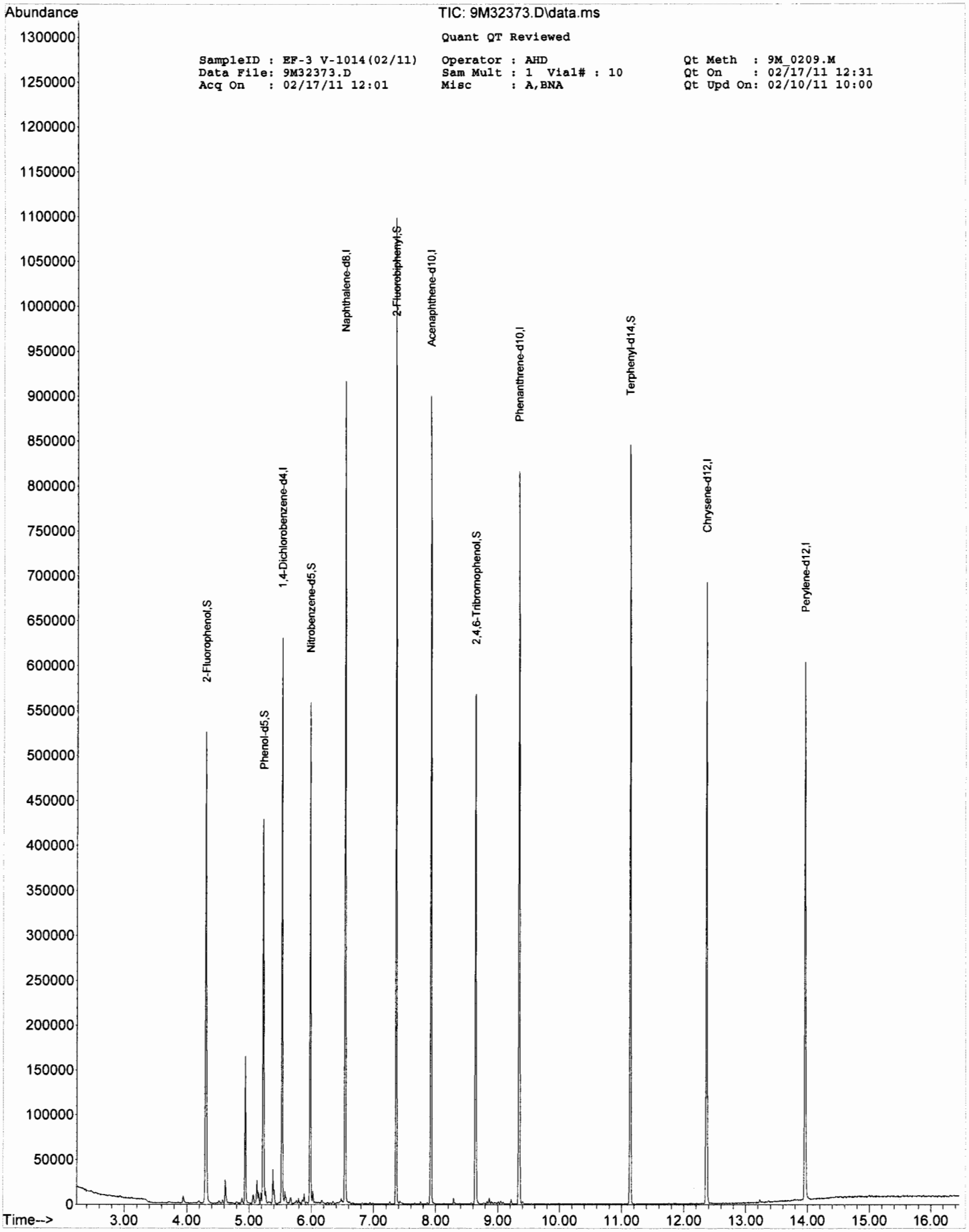
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(02/11) Operator : AHD Qt Meth : 9M_0209.M
Data File: 9M32373.D Sam Mult : 1 Vial# : 10 Qt On : 02/17/11 12:31
Acq On : 02/17/11 12:01 Misc : A,BNA Qt Upd On: 02/10/11 10:00

Data Path : G:\GcMsData\2011\GCMS_9\Data\02-17-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	97188	40.00	ng	-0.03
29) Naphthalene-d8	6.543	136	381584	40.00	ng	-0.04
47) Acenaphthene-d10	7.923	164	203227	40.00	ng	-0.05
74) Phenanthrene-d10	9.345	188	323262	40.00	ng	-0.05
88) Chrysene-d12	12.367	240	256691	40.00	ng	-0.05
100) Perylene-d12	13.961	264	216697	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.301	112	191065	60.42	ng	-0.02
Spiked Amount 100.000			Recovery = 60.42%			
15) Phenol-d5	5.227	99	172828	38.87	ng	-0.02
Spiked Amount 100.000			Recovery = 38.87%			
30) Nitrobenzene-d5	5.981	128	81329	51.07	ng	-0.04
Spiked Amount 50.000			Recovery = 102.14%			
52) 2-Fluorobiphenyl	7.361	172	314246	48.74	ng	-0.04
Spiked Amount 50.000			Recovery = 97.48%			
77) 2,4,6-Tribromophenol	8.645	330	43158	98.49	ng	-0.04
Spiked Amount 100.000			Recovery = 98.49%			
91) Terphenyl-d14	11.137	244	270896	52.25	ng	-0.05
Spiked Amount 50.000			Recovery = 104.50%			
Target Compounds						Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : EF-3 V-1014(02/11)
Data File: 9M32373.D
Acq On : 02/17/11 12:01
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 9M_0209.M
Qt On : 02/17/11 12:31
Qt Upd On: 02/10/11 10:00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/15)(R)
Client Id:
Data File: 10M19517.D
Analysis Date: 02/22/11 12:23
Date Rec/Extracted: NA-02/20/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 181989

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

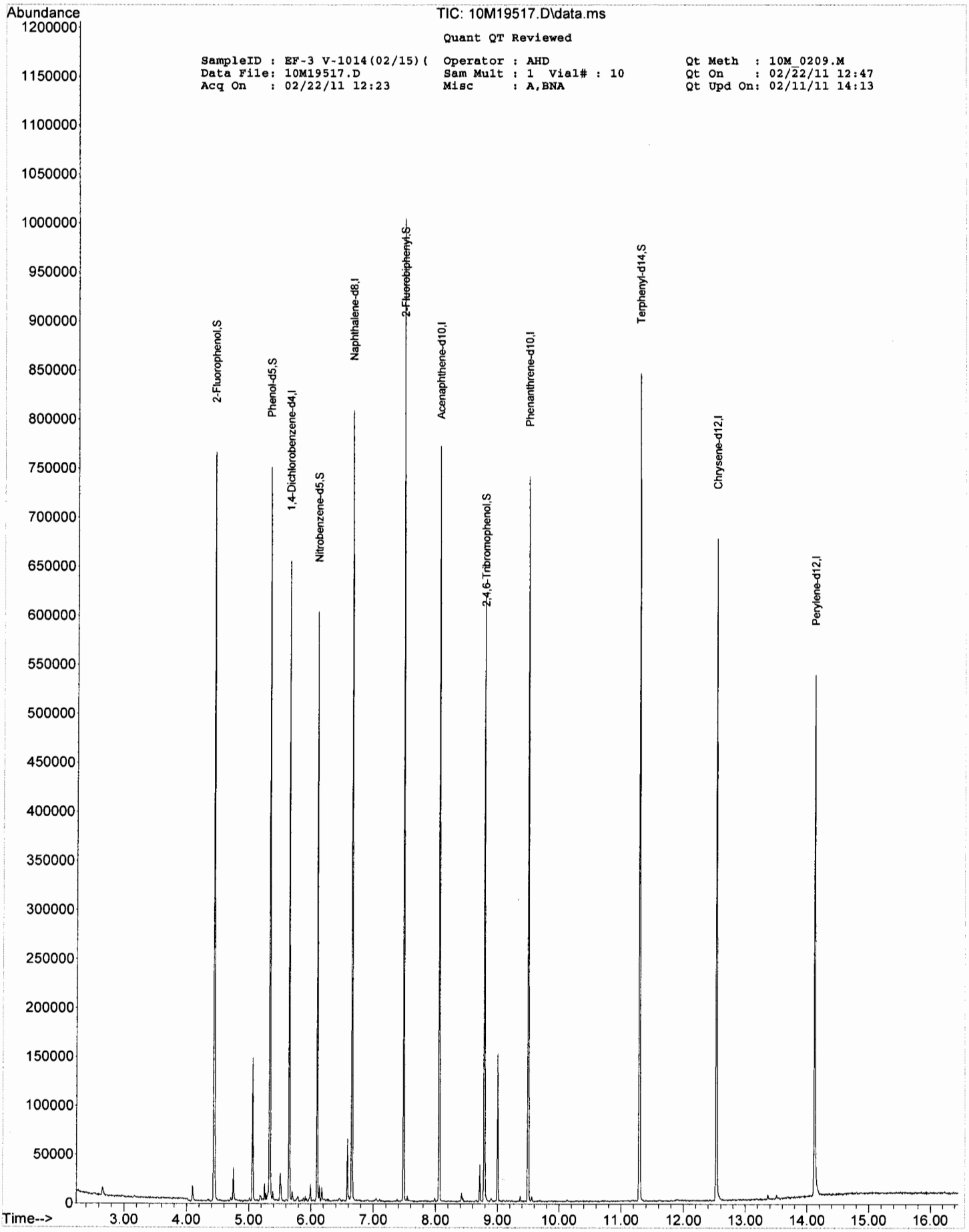
SampleID : EF-3 V-1014(02/15)(Operator : AHD Qt Meth : 10M_0209.M
Data File: 10M19517.D Sam Mult : 1 Vial# : 10 Qt On : 02/22/11 12:47
Acq On : 02/22/11 12:23 Misc : A,BNA Qt Upd On: 02/11/11 14:13

Data Path : G:\GcMsData\2011\GCMS_10\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.649	152	76683	40.00	ng	-0.03
29) Naphthalene-d8	6.660	136	301427	40.00	ng	-0.03
47) Acenaphthene-d10	8.062	164	164878	40.00	ng	-0.04
74) Phenanthrene-d10	9.495	188	262948	40.00	ng	-0.04
88) Chrysene-d12	12.528	240	228299	40.00	ng	-0.04
100) Perylene-d12	14.122	264	200861	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.441	112	213183	81.15	ng	-0.04
Spiked Amount 100.000			Recovery = 81.15%			
15) Phenol-d5	5.334	99	212413	63.29	ng	-0.04
Spiked Amount 100.000			Recovery = 63.29%			
30) Nitrobenzene-d5	6.099	128	60951	48.93	ng	-0.04
Spiked Amount 50.000			Recovery = 97.86%			
52) 2-Fluorobiphenyl	7.484	172	242413	48.03	ng	-0.04
Spiked Amount 50.000			Recovery = 96.06%			
77) 2,4,6-Tribromophenol	8.789	330	44984	95.83	ng	-0.04
Spiked Amount 100.000			Recovery = 95.83%			
91) Terphenyl-d14	11.292	244	232155	51.53	ng	-0.04
Spiked Amount 50.000			Recovery = 103.06%			
Target Compounds						Qvalue

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

14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Quant QT Reviewed
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Data File: 10M19517.D
Acq On : 02/22/11 12:23
Operator : AHD
Sam Mult : 1 Vial# : 10
Misc : A,BNA
Qt Meth : 10M_0209.M
Qt On : 02/22/11 12:47
Qt Upd On: 02/11/11 14:13
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/20)
Client Id:
Data File: 5M64852.D
Analysis Date: 02/24/11 16:11
Date Rec/Extracted: NA-02/23/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182553

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

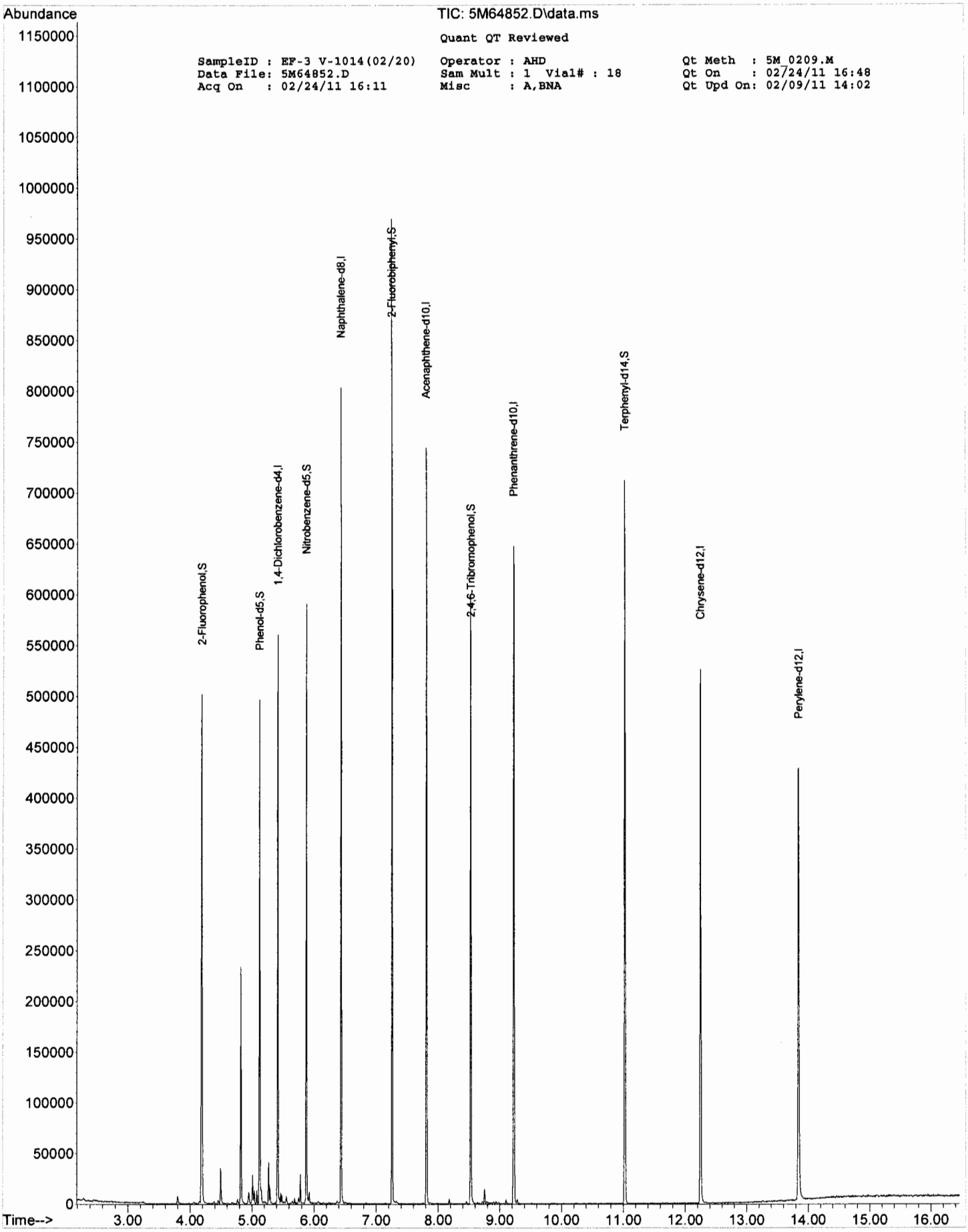
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(02/20) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64852.D Sam Mult : 1 Vial# : 18 Qt On : 02/24/11 16:48
Acq On : 02/24/11 16:11 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	61477	40.00	ng	-0.03
29) Naphthalene-d8	6.434	136	235579	40.00	ng	-0.03
47) Acenaphthene-d10	7.807	164	127603	40.00	ng	-0.04
74) Phenanthrene-d10	9.223	188	218872	40.00	ng	-0.05
88) Chrysene-d12	12.247	240	170415	40.00	ng	-0.06
100) Perylene-d12	13.844	264	146397	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	134718	66.94	ng	-0.04
Spiked Amount 100.000			Recovery = 66.94%			
15) Phenol-d5	5.120	99	129181	45.47	ng	-0.04
Spiked Amount 100.000			Recovery = 45.47%			
30) Nitrobenzene-d5	5.873	128	51172	50.73	ng	-0.03
Spiked Amount 50.000			Recovery = 101.46%			
52) 2-Fluorobiphenyl	7.252	172	200070	49.66	ng	-0.03
Spiked Amount 50.000			Recovery = 99.32%			
77) 2,4,6-Tribromophenol	8.529	330	31097	97.69	ng	-0.04
Spiked Amount 100.000			Recovery = 97.69%			
91) Terphenyl-d14	11.023	244	185639	55.11	ng	-0.04
Spiked Amount 50.000			Recovery = 110.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : EF-3 V-1014(02/20)
Data File: 5M64852.D
Acq On : 02/24/11 16:11
Operator : AHD
Sam Mult : 1 Vial# : 18
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/24/11 16:48
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(02/25)
Client Id:
Data File: 5M64948.D
Analysis Date: 03/01/11 15:38
Date Rec/Extracted: NA-02/28/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	Conc	Cas #	Compound	MDL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	1.8	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
120-83-2	2,4-Dichlorophenol	0.61	U	111-44-4	bis(2-Chloroethyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.70	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	U
51-28-5	2,4-Dinitrophenol	1.1	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	U
121-14-2	2,4-Dinitrotoluene	0.21	U	85-68-7	Butylbenzylphthalate	0.15	U
606-20-2	2,6-Dinitrotoluene	0.32	U	86-74-8	Carbazole	0.15	U
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.16	U
95-57-8	2-Chlorophenol	0.75	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.79	U	132-64-9	Dibenzofuran	1.1	U
95-48-7	2-Methylphenol	2.0	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.83	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.58	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	1.8	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.91	U	206-44-0	Fluoranthene	0.14	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.22	U	87-68-3	Hexachlorobutadiene	0.28	U
59-50-7	4-Chloro-3-methylphenol	0.58	U	77-47-4	Hexachlorocyclopentadiene	0.83	U
106-47-8	4-Chloroaniline	1.1	U	67-72-1	Hexachloroethane	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	U
100-01-6	4-Nitroaniline	1.6	U	78-59-1	Isophorone	0.15	U
100-02-7	4-Nitrophenol	0.50	U	91-20-3	Naphthalene	0.16	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.32	U
208-96-8	Acenaphthylene	0.14	U	62-75-9	N-Nitrosodimethylamine	1.5	U
62-53-3	Aniline	0.62	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
120-12-7	Anthracene	0.34	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
92-87-5	Benzidine	5.9	U	87-86-5	Pentachlorophenol	1.1	U
56-55-3	Benzo[a]anthracene	0.13	U	85-01-8	Phenanthrene	0.15	U
50-32-8	Benzo[a]pyrene	0.17	U	108-95-2	Phenol	0.65	U
205-99-2	Benzo[b]fluoranthene	0.097	U	129-00-0	Pyrene	0.13	U
191-24-2	Benzo[g,h,i]perylene	0.17	U				

Worksheet #: 182518

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Quantitation Report (QT Reviewed)

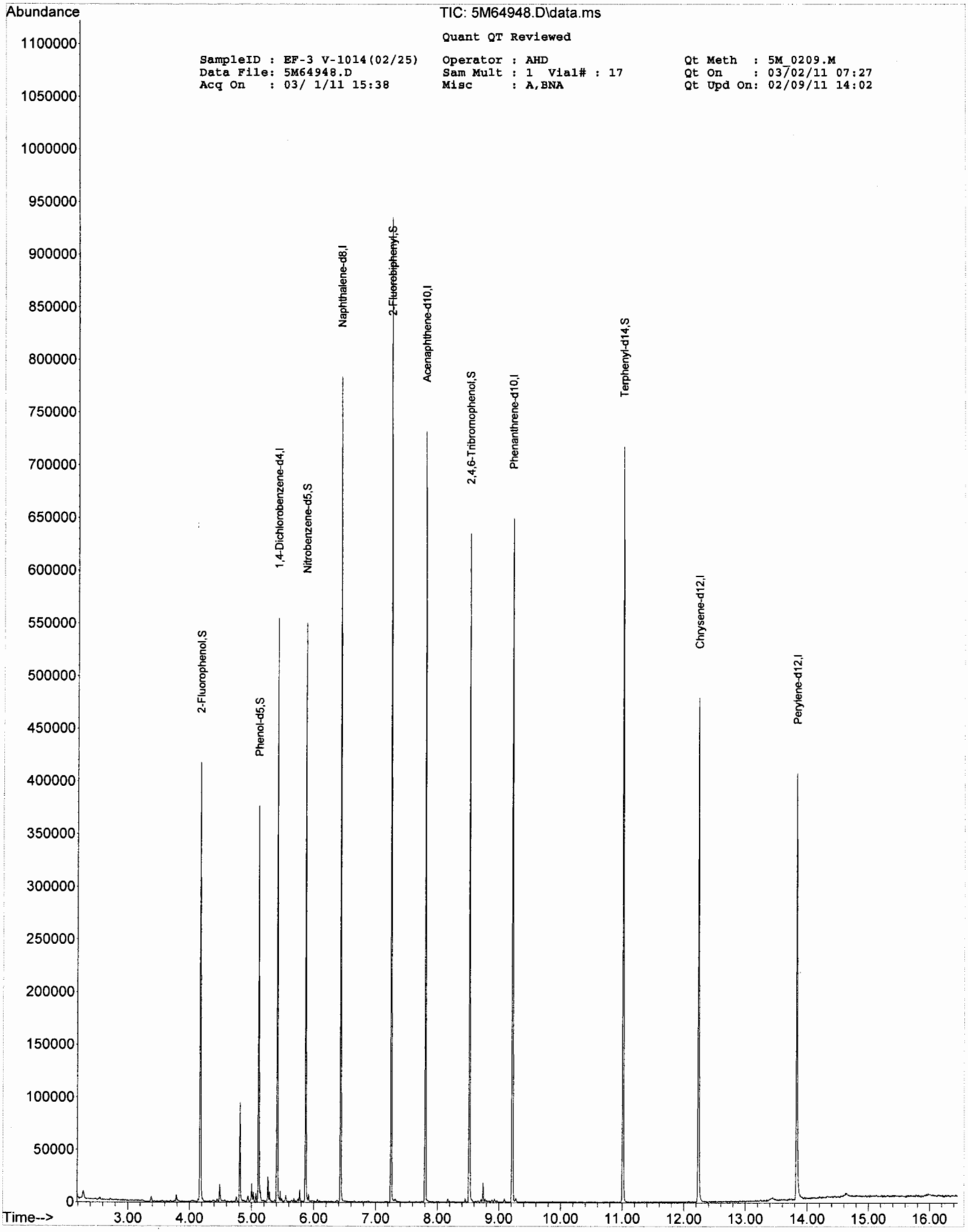
SampleID : EF-3 V-1014(02/25) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64948.D Sam Mult : 1 Vial# : 17 Qt On : 03/02/11 07:27
Acq On : 03/ 1/11 15:38 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.409	152	62715	40.00	ng	-0.04
29) Naphthalene-d8	6.429	136	235154	40.00	ng	-0.04
47) Acenaphthene-d10	7.802	164	122143	40.00	ng	-0.05
74) Phenanthrene-d10	9.218	188	204032	40.00	ng	-0.06
88) Chrysene-d12	12.236	240	150476	40.00	ng	-0.07
100) Perylene-d12	13.828	264	129721	40.00	ng	-0.07
System Monitoring Compounds						
10) 2-Fluorophenol	4.169	112	102639	49.99	ng	-0.06
Spiked Amount 100.000			Recovery = 49.99%			
15) Phenol-d5	5.110	99	100066	34.53	ng	-0.06
Spiked Amount 100.000			Recovery = 34.53%			
30) Nitrobenzene-d5	5.868	128	51116	50.76	ng	-0.04
Spiked Amount 50.000			Recovery = 101.52%			
52) 2-Fluorobiphenyl	7.246	172	199862	51.82	ng	-0.04
Spiked Amount 50.000			Recovery = 103.64%			
77) 2,4,6-Tribromophenol	8.518	330	31049	104.64	ng	-0.06
Spiked Amount 100.000			Recovery = 104.64%			
91) Terphenyl-d14	11.013	244	186987	62.87	ng	-0.06
Spiked Amount 50.000			Recovery = 125.74%			
Target Compounds						Qvalue

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

16


Abundance
TIC: 5M64948.D\data.ms
Quant QT Reviewed
SampleID : EF-3 V-1014(02/25)
Data File: 5M64948.D
Acq On : 03/ 1/11 15:38
Operator : AHD
Sam Mult : 1 Vial# : 17
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 03/02/11 07:27
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: EF-3 V-1014(03/02)
Client Id:
Data File: 10M19732.D
Analysis Date: 03/04/11 18:50
Date Rec/Extracted: NA-03/03/11
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
122-66-7	1,2-Diphenylhydrazine	0.12	2.0	U	207-08-9	Benzo[k]fluoranthene	0.24	2.0	U
95-95-4	2,4,5-Trichlorophenol	1.8	2.0	U	65-85-0	Benzoic Acid	2.0	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.90	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	2.0	U
120-83-2	2,4-Dichlorophenol	0.61	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.27	2.0	U
105-67-9	2,4-Dimethylphenol	0.70	10	U	108-60-1	bis(2-chloroisopropyl)ether	0.25	2.0	U
51-28-5	2,4-Dinitrophenol	1.1	10	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.22	2.0	U
121-14-2	2,4-Dinitrotoluene	0.21	2.0	U	85-68-7	Butylbenzylphthalate	0.15	2.0	U
606-20-2	2,6-Dinitrotoluene	0.32	2.0	U	86-74-8	Carbazole	0.15	2.0	U
91-58-7	2-Chloronaphthalene	0.19	2.0	U	218-01-9	Chrysene	0.16	2.0	U
95-57-8	2-Chlorophenol	0.75	2.0	U	53-70-3	Dibenzo[a,h]anthracene	0.18	2.0	U
91-57-6	2-Methylnaphthalene	0.79	2.0	U	132-64-9	Dibenzofuran	1.1	2.0	U
95-48-7	2-Methylphenol	2.0	10	U	84-66-2	Diethylphthalate	0.19	2.0	U
88-74-4	2-Nitroaniline	0.83	2.0	U	131-11-3	Dimethylphthalate	0.18	2.0	U
88-75-5	2-Nitrophenol	0.58	2.0	U	84-74-2	Di-n-butylphthalate	0.19	2.0	U
106-44-5	3&4-Methylphenol	1.8	10	U	117-84-0	Di-n-octylphthalate	0.20	2.0	U
91-94-1	3,3'-Dichlorobenzidine	0.91	2.0	U	206-44-0	Fluoranthene	0.14	2.0	U
99-09-2	3-Nitroaniline	1.9	2.0	U	86-73-7	Fluorene	0.20	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	2.0	U	118-74-1	Hexachlorobenzene	0.27	2.0	U
101-55-3	4-Bromophenyl-phenylether	0.22	2.0	U	87-68-3	Hexachlorobutadiene	0.28	2.0	U
59-50-7	4-Chloro-3-methylphenol	0.58	2.0	U	77-47-4	Hexachlorocyclopentadiene	0.83	2.0	U
106-47-8	4-Chloroaniline	1.1	10	U	67-72-1	Hexachloroethane	0.34	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.13	2.0	U
100-01-6	4-Nitroaniline	1.6	2.0	U	78-59-1	Isophorone	0.15	2.0	U
100-02-7	4-Nitrophenol	0.50	2.0	U	91-20-3	Naphthalene	0.16	0.50	U
83-32-9	Acenaphthene	0.21	2.0	U	98-95-3	Nitrobenzene	0.32	2.0	U
208-96-8	Acenaphthylene	0.14	2.0	U	62-75-9	N-Nitrosodimethylamine	1.5	2.0	U
62-53-3	Aniline	0.62	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	2.0	U
120-12-7	Anthracene	0.34	2.0	U	86-30-6	n-Nitrosodiphenylamine	0.29	2.0	U
92-87-5	Benzidine	5.9	10	U	87-86-5	Pentachlorophenol	1.1	2.0	U
56-55-3	Benzo[a]anthracene	0.13	2.0	U	85-01-8	Phenanthrene	0.15	2.0	U
50-32-8	Benzo[a]pyrene	0.17	2.0	U	108-95-2	Phenol	0.65	2.0	U
205-99-2	Benzo[b]fluoranthene	0.097	2.0	U	129-00-0	Pyrene	0.13	2.0	U
191-24-2	Benzo[g,h,i]perylene	0.17	2.0	U					

Worksheet #: 183430

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

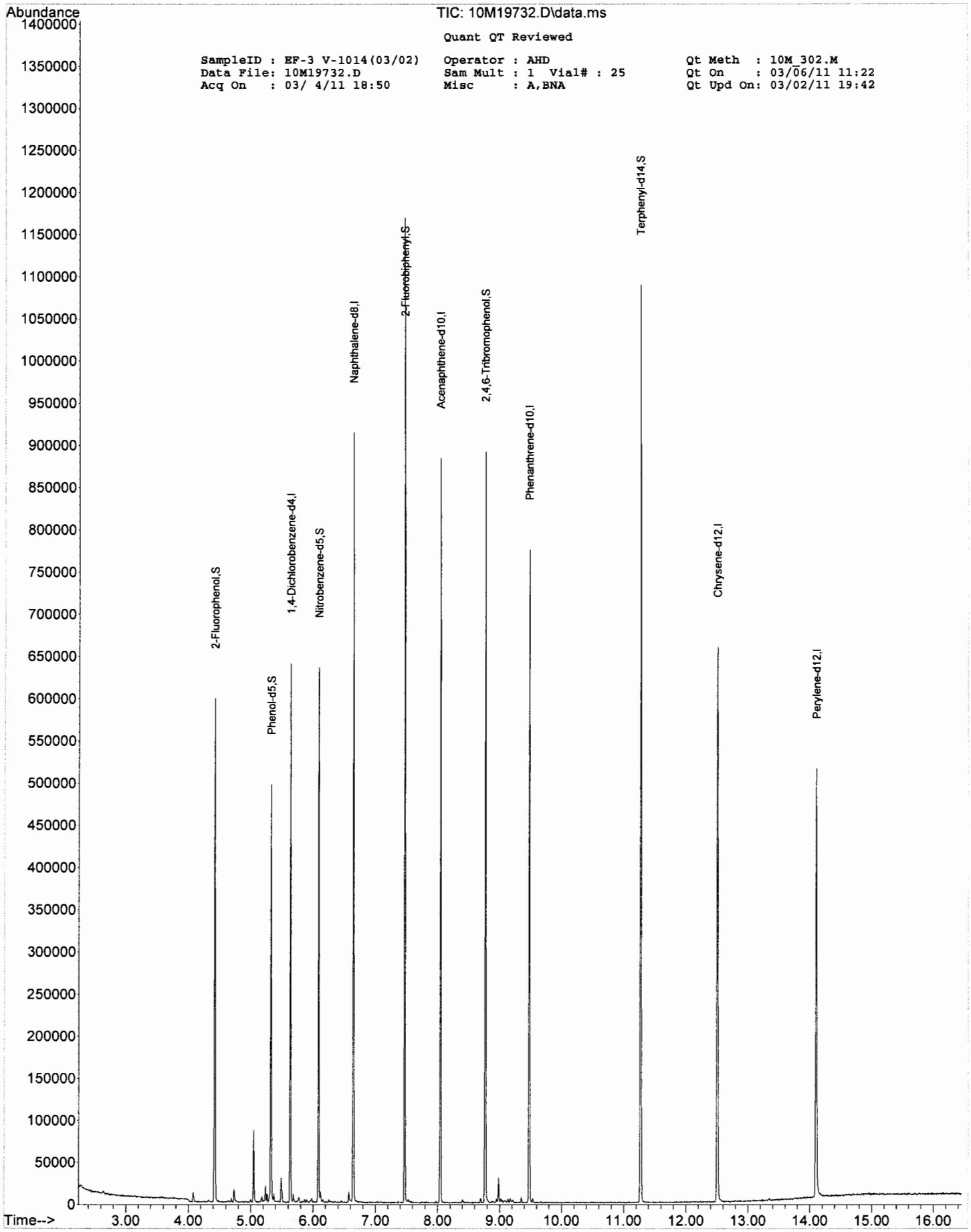
Quantitation Report (QT Reviewed)

SampleID : EF-3 V-1014(03/02) Operator : AHD Qt Meth : 10M_302.M
Data File: 10M19732.D Sam Mult : 1 Vial# : 25 Qt On : 03/06/11 11:22
Acq On : 03/ 4/11 18:50 Misc : A,BNA Qt Upd On: 03/02/11 19:42

Data Path : G:\GcMsData\2011\GCMS_10\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.633	152	75089	40.00	ng	0.00
31) Naphthalene-d8	6.644	136	308444	40.00	ng	0.00
51) Acenaphthene-d10	8.040	164	171098	40.00	ng	-0.01
85) Phenanthrene-d10	9.479	188	273826	40.00	ng	-0.01
102) Chrysene-d12	12.506	240	237019	40.00	ng	-0.02
115) Perylene-d12	14.100	264	188024	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.419	112	154889	61.40	ng	0.00
Spiked Amount 100.000			Recovery = 61.40%			
16) Phenol-d5	5.323	99	134774	41.88	ng	0.00
Spiked Amount 100.000			Recovery = 41.88%			
32) Nitrobenzene-d5	6.088	128	70605	54.39	ng	0.00
Spiked Amount 50.000			Recovery = 108.78%			
56) 2-Fluorobiphenyl	7.468	172	278591	53.60	ng	-0.01
Spiked Amount 50.000			Recovery = 107.20%			
88) 2,4,6-Tribromophenol	8.768	330	58002	117.89	ng	-0.01
Spiked Amount 100.000			Recovery = 117.89%			
105) Terphenyl-d14	11.271	244	294084	61.38	ng	-0.01
Spiked Amount 50.000			Recovery = 122.76%			
Target Compounds						Qvalue

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


Abundance
TIC: 10M19732.D\data.ms
Quant QT Reviewed
SampleID : EF-3 V-1014(03/02)
Data File: 10M19732.D
Acq On : 03/ 4/11 18:50
Operator : AHD
Sam Mult : 1 Vial# : 25
Misc : A,BNA
Qt Meth : 10M_302.M
Qt On : 03/06/11 11:22
Qt Upd On: 03/02/11 19:42
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form3
Recovery Data
QC Batch: WMB4565

Data File	Sample ID:	Analysis Date
Spike or Dup: 5M64794.D	WMB4565(MS)	2/22/2011 9:02:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		
Method: 8270	Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	28.24	0	100	28	1	93
Phenol	1	40.11	0	100	40	32	98
2-Chlorophenol	1	94.58	0	100	95	64	108
1,4-Dichlorobenzene	1	97.42	0	100	97	52	110
2-Methylphenol	1	86.89	0	100	87	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	94.33	0	100	94	49	118
3&4-Methylphenol	1	78.09	0	100	78	64	98
Nitrobenzene	1	104.19	0	100	104	80	115
2,4-Dimethylphenol	1	89.49	0	100	89	54	122
1,2,4-Trichlorobenzene	1	92.7	0	100	93	52	120
Naphthalene	1	93.36	0	100	93	61	116
Hexachlorobutadiene	1	96.86	0	100	97	61	118
4-Chloro-3-methylphenol	1	96.65	0	100	97	71	119
2,4,6-Trichlorophenol	1	106	0	100	106	89	124
2,4,5-Trichlorophenol	1	102.62	0	100	103	89	129
Acenaphthene	1	95.76	0	100	96	75	110
2,4-Dinitrotoluene	1	105.43	0	100	105	64	120
4-Nitrophenol	1	45.81	0	100	46	35	116
Fluorene	1	95.79	0	100	96	73	113
Hexachlorobenzene	1	101.05	0	100	101	61	120
Pentachlorophenol	1	110.12	0	100	110	76	140
Pyrene	1	103.05	0	100	103	76	118
Butylbenzylphthalate	1	104.74	0	100	105	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4565(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64794.D Sam Mult : 1 Vial# : 4 Qt On : 02/22/11 09:30
Acq On : 02/22/11 09:02 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.420	152	64248	40.00	ng	-0.03
29) Naphthalene-d8	6.440	136	250635	40.00	ng	-0.03
47) Acenaphthene-d10	7.818	164	134047	40.00	ng	-0.03
74) Phenanthrene-d10	9.234	188	223736	40.00	ng	-0.04
88) Chrysene-d12	12.258	240	174105	40.00	ng	-0.04
100) Perylene-d12	13.850	264	150475	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.191	112	131433	62.49	ng	-0.04
Spiked Amount 100.000			Recovery = 62.49%			
15) Phenol-d5	5.126	99	123031	41.44	ng	-0.04
Spiked Amount 100.000			Recovery = 41.44%			
30) Nitrobenzene-d5	5.879	128	53481	49.83	ng	-0.03
Spiked Amount 50.000			Recovery = 99.66%			
52) 2-Fluorobiphenyl	7.257	172	179401	42.39	ng	-0.03
Spiked Amount 50.000			Recovery = 84.78%			
77) 2,4,6-Tribromophenol	8.534	330	31628	97.20	ng	-0.04
Spiked Amount 100.000			Recovery = 97.20%			
91) Terphenyl-d14	11.029	244	171847	49.94	ng	-0.04
Spiked Amount 50.000			Recovery = 99.88%			
Target Compounds						Qvalue
8) Pyridine	2.433	79	82710	28.24	ng	86
9) N-Nitrosodimethylamine	2.364	74	124599	71.22	ng	88
12) Aniline	5.201	93	235977	71.60	ng	17
14) bis(2-Chloroethyl)ether	5.201	93	235977	96.90	ng	91
16) Phenol	5.142	94	138149	40.11	ng	90
17) 2-Chlorophenol	5.243	128	216563	94.58	ng	90
19) 1,3-Dichlorobenzene	5.366	146	219963	93.41	ng	98
20) 1,4-Dichlorobenzene	5.436	146	236896	97.42	ng	99
21) 1,2-Dichlorobenzene	5.558	146	217073	96.25	ng	97
23) bis(2-chloroisopropyl)...	5.660	45	425798	102.57	ng	98
24) 2-Methylphenol	5.649	108	189148	86.89	ng	98
26) Hexachloroethane	5.836	117	96803	95.79	ng	91
27) N-Nitroso-di-n-propyla...	5.767	70	175461	94.33	ng	81
28) 3&4-Methylphenol	5.777	108	187571	78.09	ng	88
31) Nitrobenzene	5.895	77	298000	104.19	ng	92
32) Isophorone	6.087	82	428214	83.31	ng	100
33) 2-Nitrophenol	6.146	139	121082	103.29	ng	84
34) 2,4-Dimethylphenol	6.194	107	211583	89.49	ng	97
35) Benzoic Acid	6.269	105	48330	36.86	ng	92
36) bis(2-Chloroethoxy)met...	6.264	93	290807	98.56	ng	99
37) 2,4-Dichlorophenol	6.344	162	168250	101.05	ng	91
38) 1,2,4-Trichlorobenzene	6.397	180	171012	92.70	ng	99
39) Naphthalene	6.456	128	634168	93.36	ng	99
41) Hexachlorobutadiene	6.552	225	76244	96.86	ng	97
42) Caprolactam	6.867	113	5696	7.29	ng	20
43) 4-Chloro-3-methylphenol	6.867	107	207363	96.65	ng	93
49) Hexachlorocyclopentadiene	7.097	237	55677	76.45	ng	95
50) 2,4,6-Trichlorophenol	7.199	196	109080	106.00	ng	98
51) 2,4,5-Trichlorophenol	7.231	196	118798	102.62	ng	100
53) 2-Chloronaphthalene	7.359	162	374909	100.59	ng	98
57) 2-Nitroaniline	7.637	65	9334	4.65	ng	44
59) Acenaphthylene	7.701	152	656607	104.50	ng	99
60) Dimethylphthalate	7.583	163	442336	103.64	ng	100
61) 2,6-Dinitrotoluene	7.637	165	98264	105.25	ng	79
62) Acenaphthene	7.845	153	373071	95.76	ng	96
64) 2,4-Dinitrophenol	7.866	184	48265	100.14	ng	60
65) Dibenzofuran	8.107	168	28959	5.48	ng	30
66) 2,4-Dinitrotoluene	7.979	165	130006	105.43	ng	93
67) 4-Nitrophenol	7.930	65	50695	45.81	ng	92
68) 2,3,4,6-Tetrachlorophenol	8.107	232	80051	95.16	ng	98
69) Fluorene	8.310	166	390413	95.79	ng	99
70) 4-Chlorophenyl-phenyle...	8.304	204	165886	100.49	ng	98
71) Diethylphthalate	8.198	149	443737	99.68	ng	99
72) 4-Nitroaniline	8.310	138	5969	4.72	ng	23
73) Atrazine	9.036	200	12587	11.35	ng	35
75) 4,6-Dinitro-2-methylph...	8.352	198	71176	104.68	ng	36
76) n-Nitrosodiphenylamine	8.417	169	285482	80.66	ng	100
78) 1,2-Diphenylhydrazine	8.454	77	626251	102.14	ng	99
79) 4-Bromophenyl-phenylether	8.780	248	91543	109.57	ng	98
80) Hexachlorobenzene	8.839	284	81126	101.05	ng	92
82) Pentachlorophenol	9.036	266	51563	110.12	ng	95
83) Phenanthrene	9.261	178	620393	103.20	ng	99

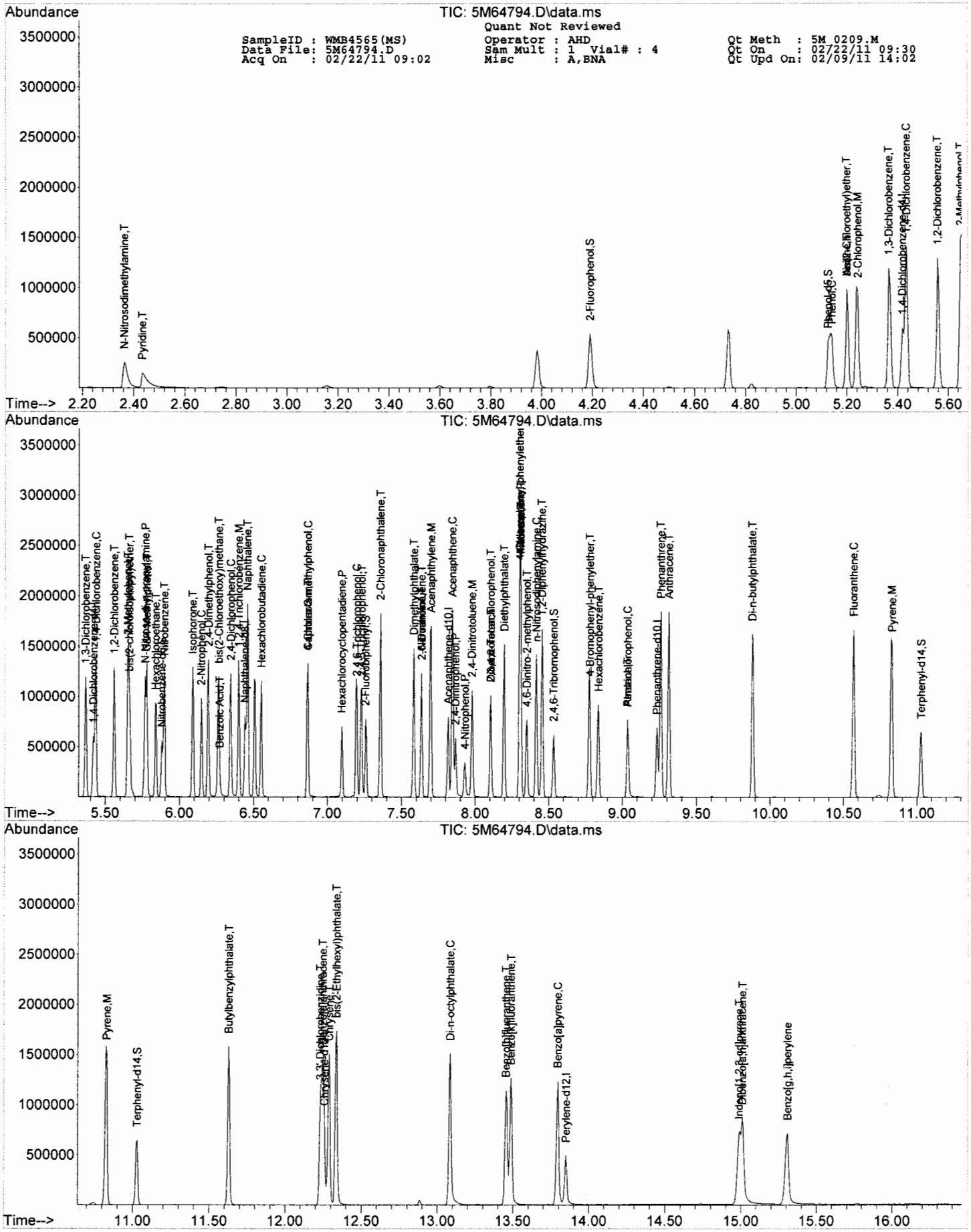
Quantitation Report (Not Reviewed)

SampleID : WMB4565(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64794.D Sam Mult : 1 Vial# : 4 Qt On : 02/22/11 09:30
Acq On : 02/22/11 09:02 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-22-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Anthracene	9.314	178	613195	100.82	ng	100
86)	Di-n-butylphthalate	9.880	149	802916	107.51	ng	99
87)	Fluoranthene	10.570	202	606542	102.01	ng	94
89)	Pyrene	10.831	202	640014	103.05	ng	98
94)	Butylbenzylphthalate	11.627	149	343054	104.74	ng	90
96)	3,3'-Dichlorobenzidine	12.231	252	138802	109.37	ng	96
97)	Benzo[a]anthracene	12.247	228	470287	95.04	ng	100
98)	Chrysene	12.290	228	501750	102.75	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.338	149	491944	108.11	ng	100
101)	Di-n-octylphthalate	13.086	149	784694	95.06	ng	99
102)	Benzo[b]fluoranthene	13.454	252	434950	99.63	ng	96
103)	Benzo[k]fluoranthene	13.486	252	460279	106.25	ng	96
104)	Benzo[a]pyrene	13.796	252	441414	107.18	ng	98
105)	Indeno[1,2,3-cd]pyrene	14.988	276	389578	103.93	ng	78
106)	Dibenzo[a,h]anthracene	15.009	278	345995	111.30	ng	88
107)	Benzo[g,h,i]perylene	15.308	276	343819	108.10	ng	81

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


Abundance
TIC: 5M64794.D\data.ms
Quant Not Reviewed
SampleID : WMB4565(MS)
Data File: 5M64794.D
Acq On : 02/22/11 09:02
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02722/11 09:30
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
2-Methylphenol,T
Time-->

Abundance
TIC: 5M64794.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrotoluene,M
4-Nitrophenol,T
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
n-Nitrosodiphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64794.D\data.ms
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
3,3'-Dichlorobenzidine,T
Chrysene,C
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4536

Data File	Sample ID:	Analysis Date
Spike or Dup: 5M64714.D	WMB4536(MS)	2/16/2011 10:40:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		
Method: 8270	Matrix: Aqueous	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	13.3	0	100	13	1	93
Phenol	1	37	0	100	37	32	98
2-Chlorophenol	1	84.98	0	100	85	64	108
1,4-Dichlorobenzene	1	69.21	0	100	69	52	110
2-Methylphenol	1	77.93	0	100	78	58	113
Hexachloroethane	1	65.12	0	100	65	57	116
N-Nitroso-di-n-propylamine	1	95.67	0	100	96	49	118
3&4-Methylphenol	1	70.27	0	100	70	64	98
Nitrobenzene	1	94.58	0	100	95	80	115
2,4-Dimethylphenol	1	85.15	0	100	85	54	122
1,2,4-Trichlorobenzene	1	78.01	0	100	78	52	120
Naphthalene	1	79.58	0	100	80	61	116
Hexachlorobutadiene	1	77.21	0	100	77	61	118
4-Chloro-3-methylphenol	1	89.22	0	100	89	71	119
2,4,6-Trichlorophenol	1	99.81	0	100	100	89	124
2,4,5-Trichlorophenol	1	99.37	0	100	99	89	129
Acenaphthene	1	91.07	0	100	91	75	110
2,4-Dinitrotoluene	1	100.77	0	100	101	64	120
4-Nitrophenol	1	42.05	0	100	42	35	116
Fluorene	1	91.11	0	100	91	73	113
Hexachlorobenzene	1	95.7	0	100	96	61	120
Pentachlorophenol	1	107.96	0	100	108	76	140
Pyrene	1	96.14	0	100	96	76	118
Butylbenzylphthalate	1	100.53	0	100	101	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4536(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64714.D Sam Mult : 1 Vial# : 4 Qt On : 02/16/11 12:21
Acq On : 02/16/11 10:40 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	71021	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	286400	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	157996	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	264140	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	210652	40.00	ng	-0.02
100) Perylene-d12	13.873	264	176660	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	133140	57.26	ng	-0.03
Spiked Amount 100.000			Recovery = 57.26%			
15) Phenol-d5	5.143	99	133782	40.77	ng	-0.02
Spiked Amount 100.000			Recovery = 40.77%			
30) Nitrobenzene-d5	5.891	128	63236	51.56	ng	-0.02
Spiked Amount 50.000			Recovery = 103.12%			
52) 2-Fluorobiphenyl	7.275	172	206120	41.32	ng	-0.01
Spiked Amount 50.000			Recovery = 82.64%			
77) 2,4,6-Tribromophenol	8.552	330	37636	97.97	ng	-0.02
Spiked Amount 100.000			Recovery = 97.97%			
91) Terphenyl-d14	11.047	244	215345	51.72	ng	-0.02
Spiked Amount 50.000			Recovery = 103.44%			
Target Compounds						Qvalue
8) Pyridine	2.446	79	43059	13.30	ng	86
9) N-Nitrosodimethylamine	2.371	74	130418	67.43	ng	86
12) Aniline	5.213	93	248384	68.18	ng	17
14) bis(2-Chloroethyl)ether	5.213	93	248384	92.27	ng	91
16) Phenol	5.154	94	140876	37.00	ng	90
17) 2-Chlorophenol	5.256	128	215080	84.98	ng	90
19) 1,3-Dichlorobenzene	5.379	146	166281	63.88	ng	97
20) 1,4-Dichlorobenzene	5.448	146	186043	69.21	ng	95
21) 1,2-Dichlorobenzene	5.571	146	169687	68.06	ng	97
23) bis(2-chloroisopropyl)...	5.672	45	414831	90.40	ng	99
24) 2-Methylphenol	5.662	108	187526	77.93	ng	97
26) Hexachloroethane	5.849	117	72741	65.12	ng	93
27) N-Nitroso-di-n-propyla...	5.779	70	196706	95.67	ng	81
28) 3&4-Methylphenol	5.790	108	186584	70.27	ng	83
31) Nitrobenzene	5.907	77	309137	94.58	ng	91
32) Isophorone	6.100	82	465229	79.20	ng	98
33) 2-Nitrophenol	6.158	139	133765	99.86	ng	85
34) 2,4-Dimethylphenol	6.207	107	230059	85.15	ng	97
35) Benzoic Acid	6.287	105	49441	33.37	ng	95
36) bis(2-Chloroethoxy)met...	6.271	93	315133	93.47	ng	99
37) 2,4-Dichlorophenol	6.356	162	185107	97.29	ng	91
38) 1,2,4-Trichlorobenzene	6.410	180	164450	78.01	ng	99
39) Naphthalene	6.468	128	617745	79.58	ng	100
41) Hexachlorobutadiene	6.564	225	69450	77.21	ng	97
42) Caprolactam	6.880	113	5962	6.68	ng	23
43) 4-Chloro-3-methylphenol	6.880	107	218734	89.22	ng	95
49) Hexachlorocyclopentadiene	7.109	237	57954	67.52	ng	93
50) 2,4,6-Trichlorophenol	7.211	196	121058	99.81	ng	98
51) 2,4,5-Trichlorophenol	7.243	196	135593	99.37	ng	99
53) 2-Chloronaphthalene	7.371	162	403963	91.96	ng	98
57) 2-Nitroaniline	7.649	65	9908	4.19	ng	46
59) Acenaphthylene	7.713	152	735426	99.30	ng	100
60) Dimethylphthalate	7.601	163	492445	97.90	ng	100
61) 2,6-Dinitrotoluene	7.654	165	109245	99.27	ng	73
62) Acenaphthene	7.863	153	418170	91.07	ng	96
64) 2,4-Dinitrophenol	7.884	184	55050	97.58	ng	74
65) Dibenzofuran	8.124	168	34438	5.53	ng	30
66) 2,4-Dinitrotoluene	7.996	165	146464	100.77	ng	94
67) 4-Nitrophenol	7.948	65	54839	42.05	ng	93
68) 2,3,4,6-Tetrachlorophenol	8.124	232	90627	91.40	ng	98
69) Fluorene	8.327	166	437675	91.11	ng	100
70) 4-Chlorophenyl-phenyle...	8.322	204	184003	94.57	ng	98
71) Diethylphthalate	8.215	149	502014	95.67	ng	99
72) 4-Nitroaniline	8.327	138	6720	4.51	ng	22
73) Atrazine	9.059	200	14101	10.79	ng	35
75) 4,6-Dinitro-2-methylph...	8.370	198	81035	101.39	ng	29
76) n-Nitrosodiphenylamine	8.434	169	326097	78.04	ng	97
78) 1,2-Diphenylhydrazine	8.472	77	707591	97.76	ng	98
79) 4-Bromophenyl-phenylether	8.798	248	103275	104.70	ng	96
80) Hexachlorobenzene	8.856	284	90700	95.70	ng	94
82) Pentachlorophenol	9.059	266	59474	107.96	ng	98
83) Phenanthrene	9.278	178	691676	97.46	ng	99

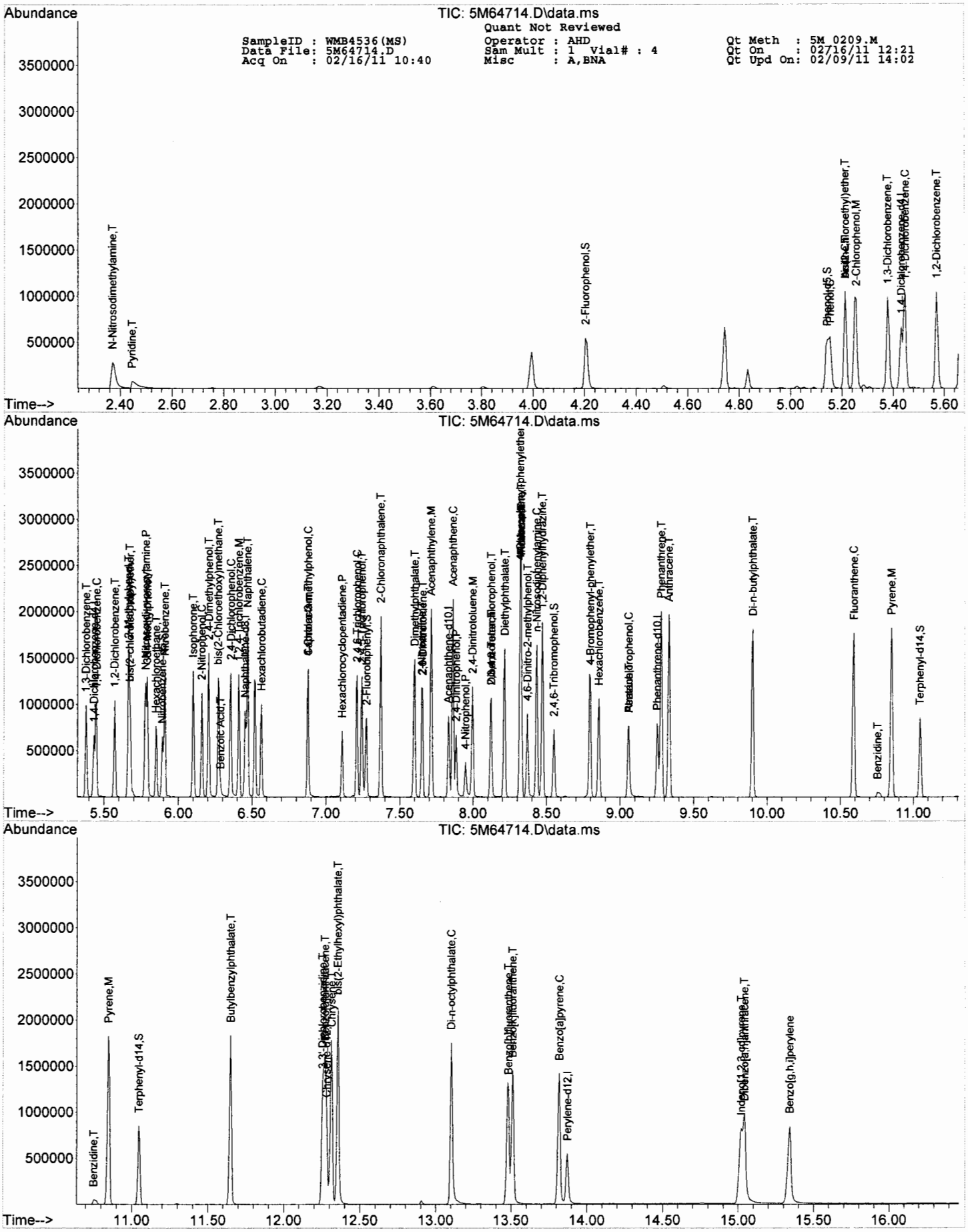
Quantitation Report (Not Reviewed)

SampleID : WMB4536(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64714.D Sam Mult : 1 Vial# : 4 Qt On : 02/16/11 12:21
Acq On : 02/16/11 10:40 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Anthracene	9.332	178	703148	97.92	ng	99
86)	Di-n-butylphthalate	9.903	149	909035	103.10	ng	99
87)	Fluoranthene	10.593	202	687162	97.89	ng	95
89)	Pyrene	10.849	202	722408	96.14	ng	96
90)	Benzidine	10.753	184	11617	3.03	ng	98
94)	Butylbenzylphthalate	11.650	149	398378	100.53	ng	91
96)	3,3'-Dichlorobenzidine	12.254	252	160422	103.48	ng	97
97)	Benzo[a]anthracene	12.270	228	550616	91.97	ng	100
98)	Chrysene	12.313	228	580159	98.19	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.355	149	566855	102.96	ng	100
101)	Di-n-octylphthalate	13.103	149	906648	93.55	ng	100
102)	Benzo[b]fluoranthene	13.483	252	511095	99.72	ng	97
103)	Benzo[k]fluoranthene	13.509	252	520028	102.25	ng	97
104)	Benzo[a]pyrene	13.819	252	504872	104.42	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.021	276	440387	100.07	ng	79
106)	Dibenzo[a,h]anthracene	15.043	278	392054	107.42	ng	89
107)	Benzo[g,h,i]perylene	15.342	276	393443	105.36	ng	81

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


Abundance
TIC: 5M64714.D\data.ms
Quant Not Reviewed
SampleID : WMB4536(MS)
Data File: 5M64714.D
Acq On : 02/16/11 10:40
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:21
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64714.D\data.ms
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,P
2-Fluorophenol,S
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene-d10,I
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64714.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Chrysene,C
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	24.7	0	100	25	1	93
Phenol	1	61.03	0	100	61	32	98
2-Chlorophenol	1	95.73	0	100	96	64	108
1,4-Dichlorobenzene	1	90.03	0	100	90	52	110
2-Methylphenol	1	97.43	0	100	97	58	113
Hexachloroethane	1	89.38	0	100	89	57	116
N-Nitroso-di-n-propylamine	1	97.45	0	100	97	49	118
3&4-Methylphenol	1	91.58	0	100	92	64	98
Nitrobenzene	1	98.7	0	100	99	80	115
2,4-Dimethylphenol	1	96.44	0	100	96	54	122
1,2,4-Trichlorobenzene	1	87.58	0	100	88	52	120
Naphthalene	1	162.34	97.78	100	65	61	116
Hexachlorobutadiene	1	89.13	0	100	89	61	118
4-Chloro-3-methylphenol	1	102.94	0	100	103	71	119
2,4,6-Trichlorophenol	1	110.89	0	100	111	89	124
2,4,5-Trichlorophenol	1	108.99	0	100	109	89	129
Acenaphthene	1	109.14	12.28	100	97	75	110
2,4-Dinitrotoluene	1	106.44	0	100	106	64	120
4-Nitrophenol	1	76.54	0	100	77	35	116
Fluorene	1	99.84	5.47	100	94	73	113
Hexachlorobenzene	1	96.25	0	100	96	61	120
Pentachlorophenol	1	127.92	0	100	128	76	140
Pyrene	1	101.33	0	100	101	76	118
Butylbenzylphthalate	1	107.18	0	100	107	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Non Spike(If applicable):	5M64715.D	AC57098-001(T)	2/16/2011 11:08:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.4	0	100	15	1	93
Phenol	1	56.93	0	100	57	32	98
2-Chlorophenol	1	95.9	0	100	96	64	108
1,4-Dichlorobenzene	1	97.11	0	100	97	52	110
2-Methylphenol	1	94.03	0	100	94	58	113
Hexachloroethane	1	95.79	0	100	96	57	116
N-Nitroso-di-n-propylamine	1	102.28	0	100	102	49	118
3&4-Methylphenol	1	87.7	0	100	88	64	98
Nitrobenzene	1	103.49	0	100	103	80	115
2,4-Dimethylphenol	1	97.26	0	100	97	54	122
1,2,4-Trichlorobenzene	1	91.87	0	100	92	52	120
Naphthalene	1	169.96	97.78	100	72	61	116
Hexachlorobutadiene	1	94.86	0	100	95	61	118
4-Chloro-3-methylphenol	1	103.15	0	100	103	71	119
2,4,6-Trichlorophenol	1	107.49	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.54	0	100	106	89	129
Acenaphthene	1	105.51	12.28	100	93	75	110
2,4-Dinitrotoluene	1	104.44	0	100	104	64	120
4-Nitrophenol	1	69.68	0	100	70	35	116
Fluorene	1	99.9	5.47	100	94	73	113
Hexachlorobenzene	1	98.03	0	100	98	61	120
Pentachlorophenol	1	123.32	0	100	123	76	140
Pyrene	1	103.97	0	100	104	76	118
Butylbenzylphthalate	1	109.16	0	100	109	66	127

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: WMB4536

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64717.D	AC57098-001(T)(MSD)	2/16/2011 11:55:00 AM
Duplicate(If applicable):	5M64716.D	AC57098-001(T)(MS)	2/16/2011 11:32:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.4	24.7	46 *	27
Phenol	1	56.93	61.03	7	27
2-Chlorophenol	1	95.9	95.73	0.18	21
1,4-Dichlorobenzene	1	97.11	90.03	7.6	30
2-Methylphenol	1	94.03	97.43	3.6	25
Hexachloroethane	1	95.79	89.38	6.9	27
N-Nitroso-di-n-propylamine	1	102.28	97.45	4.8	14
3&4-Methylphenol	1	87.7	91.58	4.3	27
Nitrobenzene	1	103.49	98.7	4.7	27
2,4-Dimethylphenol	1	97.26	96.44	0.85	18
1,2,4-Trichlorobenzene	1	91.87	87.58	4.8	17
Naphthalene	1	169.96	162.34	4.6	16
Hexachlorobutadiene	1	94.86	89.13	6.2	27
4-Chloro-3-methylphenol	1	103.15	102.94	0.2	16
2,4,6-Trichlorophenol	1	107.49	110.89	3.1	27
2,4,5-Trichlorophenol	1	105.54	108.99	3.2	27
Acenaphthene	1	105.51	109.14	3.4	14
2,4-Dinitrotoluene	1	104.44	106.44	1.9	13
4-Nitrophenol	1	69.68	76.54	9.4	41
Fluorene	1	99.9	99.84	0.06	14
Hexachlorobenzene	1	98.03	96.25	1.8	27
Pentachlorophenol	1	123.32	127.92	3.7	31
Pyrene	1	103.97	101.33	2.6	13
Butylbenzylphthalate	1	109.16	107.18	1.8	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

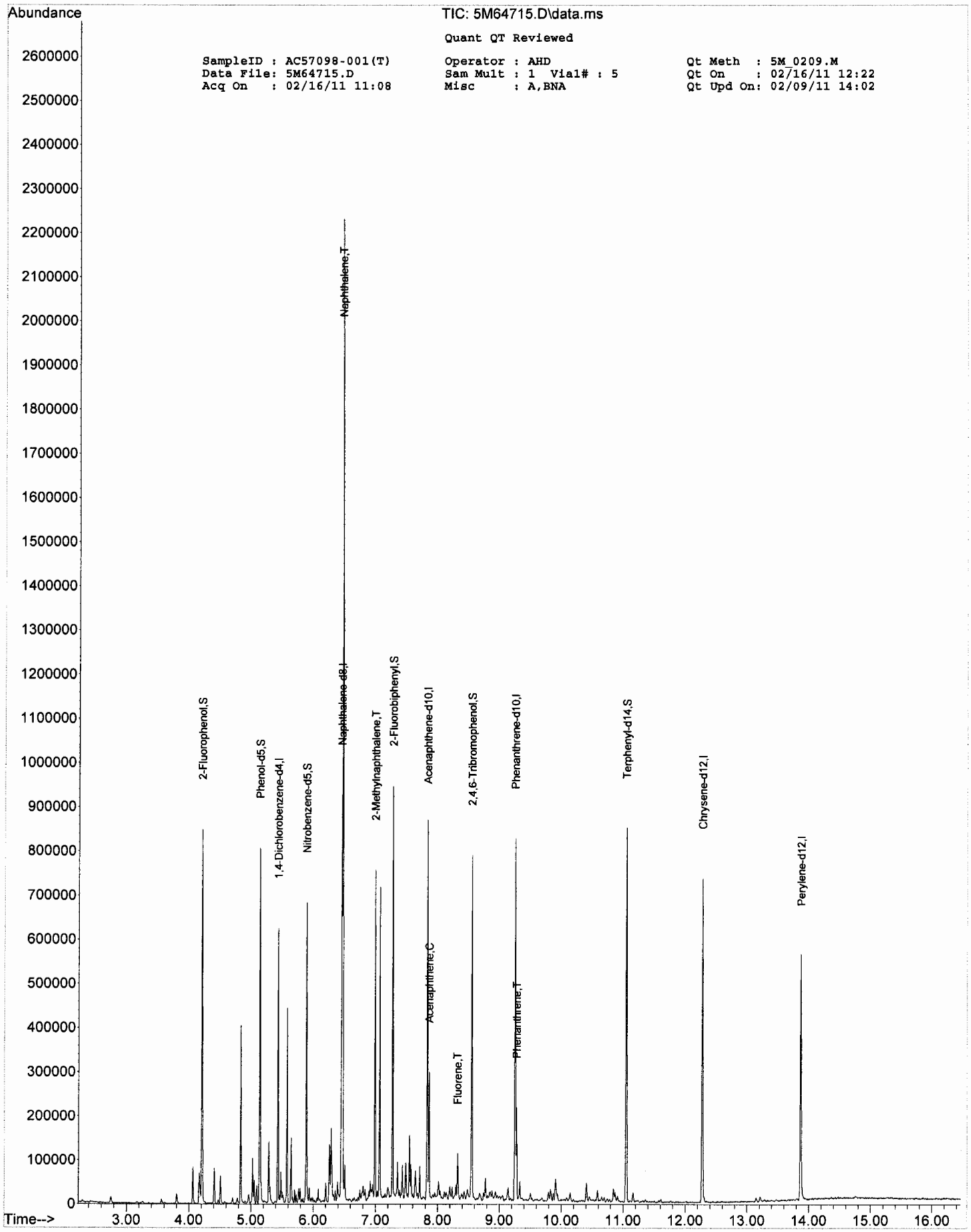
Quantitation Report (QT Reviewed)

SampleID : AC57098-001(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64715.D Sam Mult : 1 Vial# : 5 Qt On : 02/16/11 12:22
Acq On : 02/16/11 11:08 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	70232	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	284132	40.00	ng	-0.02
47) Acenaphthene-d10	7.836	164	159007	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	261775	40.00	ng	-0.02
88) Chrysene-d12	12.276	240	217966	40.00	ng	-0.03
100) Perylene-d12	13.873	264	189347	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	195984	85.24	ng	-0.03
Spiked Amount 100.000			Recovery =	85.24%		
15) Phenol-d5	5.138	99	233289	71.89	ng	-0.03
Spiked Amount 100.000			Recovery =	71.89%		
30) Nitrobenzene-d5	5.892	128	61942	50.91	ng	-0.02
Spiked Amount 50.000			Recovery =	101.82%		
52) 2-Fluorobiphenyl	7.275	172	236621	47.13	ng	-0.01
Spiked Amount 50.000			Recovery =	94.26%		
77) 2,4,6-Tribromophenol	8.552	330	42339	111.21	ng	-0.02
Spiked Amount 100.000			Recovery =	111.21%		
91) Terphenyl-d14	11.052	244	226186	52.50	ng	-0.02
Spiked Amount 50.000			Recovery =	105.00%		
Target Compounds						Qvalue
39) Naphthalene	6.469	128	752957	97.78	ng	100
44) 2-Methylnaphthalene	6.992	142	152904	33.14	ng	97
62) Acenaphthene	7.863	153	56753	12.28	ng	90
69) Fluorene	8.322	166	26427	5.47	ng	96
83) Phenanthrene	9.279	178	66197	9.41	ng	99

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


Abundance
TIC: 5M64715.D\data.ms
Quant QT Reviewed
SampleID : AC57098-001(T)
Data File: 5M64715.D
Acq On : 02/16/11 11:08
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:22
Qt Upd On: 02/09/11 14:02
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,T
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64716.D Sam Mult : 1 Vial# : 6 Qt On : 02/16/11 12:23
Acq On : 02/16/11 11:32 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	68870	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	274855	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	149666	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	253505	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	200976	40.00	ng	-0.02
100) Perylene-d12	13.873	264	171212	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	184006	81.61	ng	-0.03
Spiked Amount 100.000			Recovery = 81.61%			
15) Phenol-d5	5.144	99	212652	66.82	ng	-0.02
Spiked Amount 100.000			Recovery = 66.82%			
30) Nitrobenzene-d5	5.891	128	59198	50.30	ng	-0.02
Spiked Amount 50.000			Recovery = 100.60%			
52) 2-Fluorobiphenyl	7.275	172	154590	32.71	ng	-0.01
Spiked Amount 50.000			Recovery = 65.42%			
77) 2,4,6-Tribromophenol	8.552	330	40152	108.91	ng	-0.02
Spiked Amount 100.000			Recovery = 108.91%			
91) Terphenyl-d14	11.047	244	212508	53.49	ng	-0.02
Spiked Amount 50.000			Recovery = 106.98%			
Target Compounds						Qvalue
8) Pyridine	2.440	79	77548	24.70	ng	88
9) N-Nitrosodimethylamine	2.371	74	156988	83.71	ng	88
12) Aniline	5.213	93	248474	70.34	ng	17
14) bis(2-Chloroethyl)ether	5.213	93	248474	95.19	ng	92
16) Phenol	5.154	94	225332	61.03	ng	91
17) 2-Chlorophenol	5.256	128	234961	95.73	ng	90
18) N-Decane	5.309	57	6609	1.90	ng	99
19) 1,3-Dichlorobenzene	5.379	146	214396	84.94	ng	99
20) 1,4-Dichlorobenzene	5.448	146	234662	90.03	ng	98
21) 1,2-Dichlorobenzene	5.571	146	221170	91.48	ng	96
23) bis(2-chloroisopropyl)...	5.672	45	440405	98.97	ng	98
24) 2-Methylphenol	5.662	108	227350	97.43	ng	96
25) Acetophenone	5.774	105	8076	2.13	ng	68
26) Hexachloroethane	5.849	117	96818	89.38	ng	95
27) N-Nitroso-di-n-propyla...	5.779	70	194305	97.45	ng	82
28) 3&4-Methylphenol	5.790	108	235791	91.58	ng	88
31) Nitrobenzene	5.907	77	309583	98.70	ng	93
32) Isophorone	6.100	82	481975	85.50	ng	100
33) 2-Nitrophenol	6.159	139	136041	105.82	ng	83
34) 2,4-Dimethylphenol	6.207	107	250071	96.44	ng	96
35) Benzoic Acid	6.308	105	140961	85.04	ng	93
36) bis(2-Chloroethoxy)met...	6.276	93	319667	98.79	ng	97
37) 2,4-Dichlorophenol	6.356	162	194831	106.70	ng	93
38) 1,2,4-Trichlorobenzene	6.410	180	177188	87.58	ng	98
39) Naphthalene	6.474	128	1209310	162.34	ng	100
41) Hexachlorobutadiene	6.565	225	76936	89.13	ng	94
42) Caprolactam	6.880	113	6783	7.92	ng	27
43) 4-Chloro-3-methylphenol	6.880	107	242186	102.94	ng	93
44) 2-Methylnaphthalene	6.992	142	146342	32.79	ng	100
45) Methylnaphthalenes (To...	6.992	142	146342	32.79	ng	100
46) 1,1'-Biphenyl	7.350	154	17863	3.10	ng	97
49) Hexachlorocyclopentadiene	7.109	237	54360	66.86	ng	92
50) 2,4,6-Trichlorophenol	7.211	196	127413	110.89	ng	99
51) 2,4,5-Trichlorophenol	7.243	196	140878	108.99	ng	98
53) 2-Chloronaphthalene	7.371	162	408050	98.06	ng	98
54) 1,4-Dimethylnaphthalene	7.644	156	13907	4.27	ng	87
55) Dimethylnaphthalenes (...	7.644	156	13907	4.27	ng	87
57) 2-Nitroaniline	7.649	65	11036	4.92	ng	50
59) Acenaphthylene	7.713	152	729092	103.93	ng	99
60) Dimethylphthalate	7.601	163	491683	103.18	ng	100
61) 2,6-Dinitrotoluene	7.654	165	109034	104.59	ng	73
62) Acenaphthene	7.863	153	474742	109.14	ng	96
64) 2,4-Dinitrophenol	7.884	184	67751	119.62	ng	73
65) Dibenzofuran	8.125	168	36012	6.11	ng	31
66) 2,4-Dinitrotoluene	7.996	165	146547	106.44	ng	94
67) 4-Nitrophenol	7.948	65	94572	76.54	ng	95
68) 2,3,4,6-Tetrachlorophenol	8.125	232	96701	102.96	ng	98
69) Fluorene	8.328	166	454368	99.84	ng	100
70) 4-Chlorophenyl-phenyle...	8.322	204	178060	96.61	ng	99
71) Diethylphthalate	8.215	149	495772	99.74	ng	99
72) 4-Nitroaniline	8.328	138	6994	4.96	ng	22
73) Atrazine	9.059	200	16702	13.49	ng	35

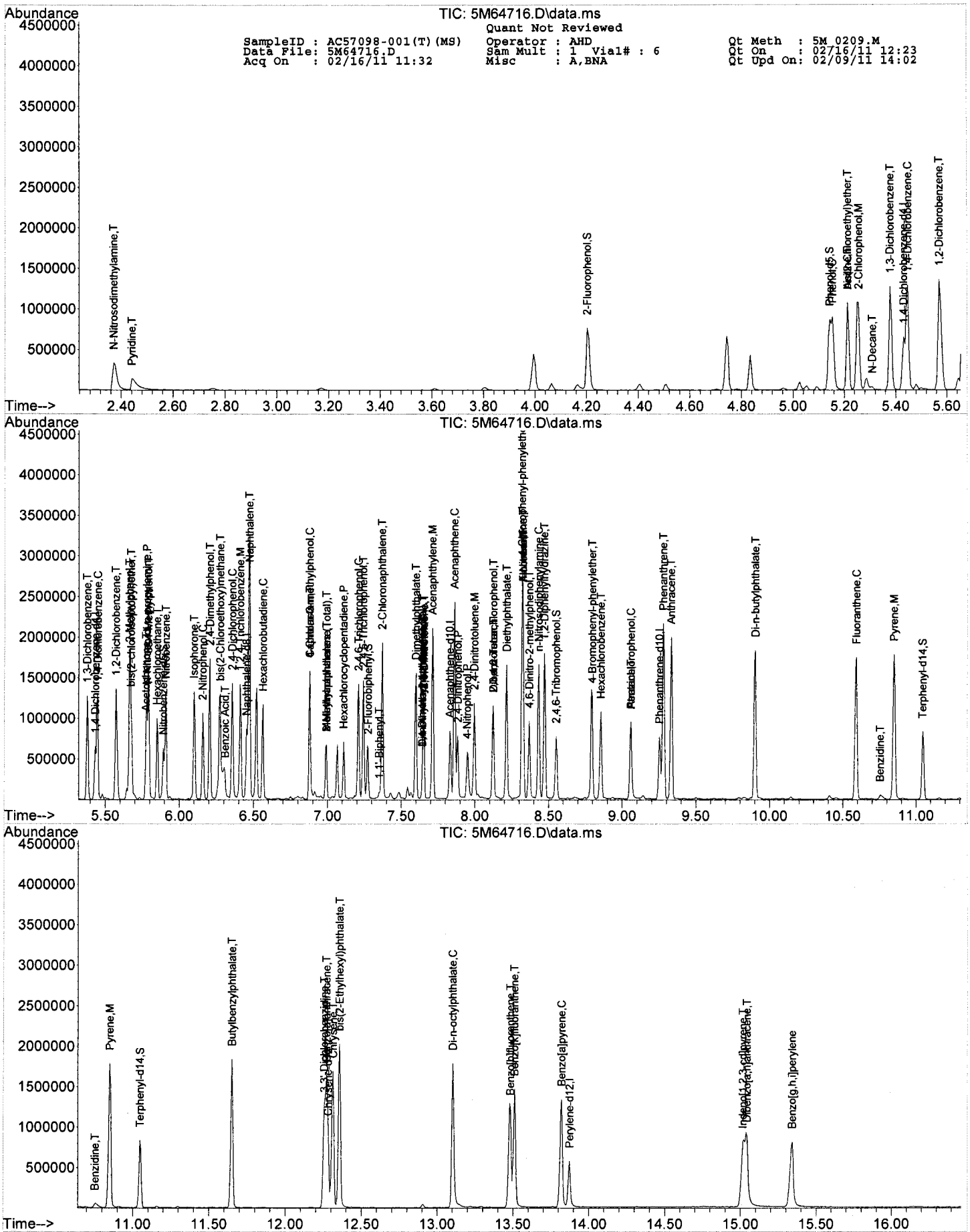
Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64716.D Sam Mult : 1 Vial# : 6 Qt On : 02/16/11 12:23
Acq On : 02/16/11 11:32 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4,6-Dinitro-2-methylph...	8.370	198	87540	112.48	ng	29
76)	n-Nitrosodiphenylamine	8.434	169	329965	82.28	ng	99
78)	1,2-Diphenylhydrazine	8.472	77	669990	96.44	ng	98
79)	4-Bromophenyl-phenylether	8.798	248	103726	109.57	ng	96
80)	Hexachlorobenzene	8.856	284	87551	96.25	ng	98
82)	Pentachlorophenol	9.059	266	69824	127.92	ng	96
83)	Phenanthrene	9.278	178	757926	111.27	ng	99
84)	Anthracene	9.332	178	705197	102.33	ng	99
86)	Di-n-butylphthalate	9.903	149	915734	108.22	ng	98
87)	Fluoranthene	10.593	202	688850	102.24	ng	98
89)	Pyrene	10.849	202	726425	101.33	ng	97
90)	Benzidine	10.753	184	9390	2.56	ng	97
94)	Butylbenzylphthalate	11.650	149	405235	107.18	ng	94
96)	3,3'-Dichlorobenzidine	12.254	252	154499	104.65	ng	98
97)	Benzo[a]anthracene	12.270	228	543002	95.06	ng	99
98)	Chrysene	12.313	228	561871	99.68	ng	100
99)	bis(2-Ethylhexyl)phtha...	12.356	149	570019	108.52	ng	99
101)	Di-n-octylphthalate	13.104	149	910012	96.88	ng	99
102)	Benzo[b]fluoranthene	13.483	252	495652	99.78	ng	97
103)	Benzo[k]fluoranthene	13.510	252	506614	102.78	ng	96
104)	Benzo[a]pyrene	13.819	252	482037	102.87	ng	97
105)	Indeno[1,2,3-cd]pyrene	15.016	276	425995	99.88	ng	77
106)	Dibenzo[a,h]anthracene	15.043	278	373708	105.65	ng	90
107)	Benzo[g,h,i]perylene	15.342	276	375051	103.63	ng	80

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


Abundance
TIC: 5M64716.D\data.ms
Quant Not Reviewed
SampleID : AC57098-001(T)(MS)
Data File: 5M64716.D
Acq On : 02/16/11 11:32
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:23
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
N-Decane,T
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M64716.D\data.ms
Benzoic Acid,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Acenaphthene,C
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64716.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64717.D Sam Mult : 1 Vial# : 7 Qt On : 02/16/11 12:38
Acq On : 02/16/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.432	152	64919	40.00	ng	-0.02
29) Naphthalene-d8	6.452	136	261022	40.00	ng	-0.02
47) Acenaphthene-d10	7.831	164	147884	40.00	ng	-0.02
74) Phenanthrene-d10	9.252	188	243326	40.00	ng	-0.02
88) Chrysene-d12	12.281	240	190364	40.00	ng	-0.02
100) Perylene-d12	13.873	264	160002	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.203	112	163746	77.05	ng	-0.03
Spiked Amount 100.000			Recovery = 77.05%			
15) Phenol-d5	5.144	99	190956	63.66	ng	-0.02
Spiked Amount 100.000			Recovery = 63.66%			
30) Nitrobenzene-d5	5.891	128	59273	53.03	ng	-0.02
Spiked Amount 50.000			Recovery = 106.06%			
52) 2-Fluorobiphenyl	7.275	172	159696	34.20	ng	-0.01
Spiked Amount 50.000			Recovery = 68.40%			
77) 2,4,6-Tribromophenol	8.552	330	38732	109.45	ng	-0.02
Spiked Amount 100.000			Recovery = 109.45%			
91) Terphenyl-d14	11.047	244	206398	54.85	ng	-0.02
Spiked Amount 50.000			Recovery = 109.70%			
Target Compounds						Qvalue
8) Pyridine	2.451	79	45583	15.40	ng	85
9) N-Nitrosodimethylamine	2.371	74	146371	82.80	ng	87
12) Aniline	5.213	93	245780	73.81	ng	17
14) bis(2-Chloroethyl)ether	5.213	93	245780	99.89	ng	91
16) Phenol	5.154	94	198150	56.93	ng	92
17) 2-Chlorophenol	5.256	128	221867	95.90	ng	90
18) N-Decane	5.309	57	5400	1.65	ng	93
19) 1,3-Dichlorobenzene	5.379	146	220702	92.76	ng	99
20) 1,4-Dichlorobenzene	5.448	146	238604	97.11	ng	98
21) 1,2-Dichlorobenzene	5.571	146	221323	97.12	ng	97
23) bis(2-chloroisopropyl)...	5.672	45	430513	102.63	ng	97
24) 2-Methylphenol	5.662	108	206818	94.03	ng	98
25) Acetophenone	5.774	105	7542	2.11	ng	62
26) Hexachloroethane	5.849	117	97817	95.79	ng	92
27) N-Nitroso-di-n-propyla...	5.779	70	192227	102.28	ng	82
28) 3&4-Methylphenol	5.790	108	212849	87.70	ng	84
31) Nitrobenzene	5.907	77	308277	103.49	ng	92
32) Isophorone	6.100	82	470784	87.94	ng	100
33) 2-Nitrophenol	6.159	139	128805	105.51	ng	83
34) 2,4-Dimethylphenol	6.207	107	239493	97.26	ng	97
35) Benzoic Acid	6.303	105	123814	79.80	ng	95
36) bis(2-Chloroethoxy)met...	6.276	93	312908	101.83	ng	99
37) 2,4-Dichlorophenol	6.356	162	182992	105.53	ng	92
38) 1,2,4-Trichlorobenzene	6.410	180	176501	91.87	ng	99
39) Naphthalene	6.474	128	1202359	169.96	ng	99
41) Hexachlorobutadiene	6.565	225	77763	94.86	ng	98
42) Caprolactam	6.880	113	6555	8.06	ng	27
43) 4-Chloro-3-methylphenol	6.880	107	230473	103.15	ng	94
44) 2-Methylnaphthalene	6.992	142	141178	33.31	ng	99
45) Methylnaphthalenes (To...	6.992	142	141178	33.31	ng	99
46) 1,1'-Biphenyl	7.350	154	16896	3.09	ng	100
49) Hexachlorocyclopentadiene	7.109	237	58706	73.07	ng	93
50) 2,4,6-Trichlorophenol	7.211	196	122033	107.49	ng	98
51) 2,4,5-Trichlorophenol	7.243	196	134789	105.54	ng	98
53) 2-Chloronaphthalene	7.371	162	402972	98.01	ng	98
54) 1,4-Dimethylnaphthalene	7.644	156	14241	4.43	ng	76
55) Dimethylnaphthalenes (...	7.644	156	14241	4.43	ng	76
57) 2-Nitroaniline	7.649	65	10484	4.73	ng	47
59) Acenaphthylene	7.713	152	713631	102.95	ng	100
60) Dimethylphthalate	7.601	163	473137	100.49	ng	99
61) 2,6-Dinitrotoluene	7.654	165	108858	105.68	ng	74
62) Acenaphthene	7.863	153	453475	105.51	ng	97
64) 2,4-Dinitrophenol	7.884	184	64957	116.89	ng	71
65) Dibenzofuran	8.124	168	36810	6.32	ng	30
66) 2,4-Dinitrotoluene	7.996	165	142073	104.44	ng	96
67) 4-Nitrophenol	7.948	65	85072	69.68	ng	99
68) 2,3,4,6-Tetrachlorophenol	8.124	232	94511	101.84	ng	99
69) Fluorene	8.328	166	449220	99.90	ng	99
70) 4-Chlorophenyl-phenyle...	8.322	204	179298	98.45	ng	99
71) Diethylphthalate	8.215	149	492034	100.18	ng	99
72) 4-Nitroaniline	8.322	138	7550	5.41	ng	32
73) Atrazine	9.059	200	15655	12.80	ng	35

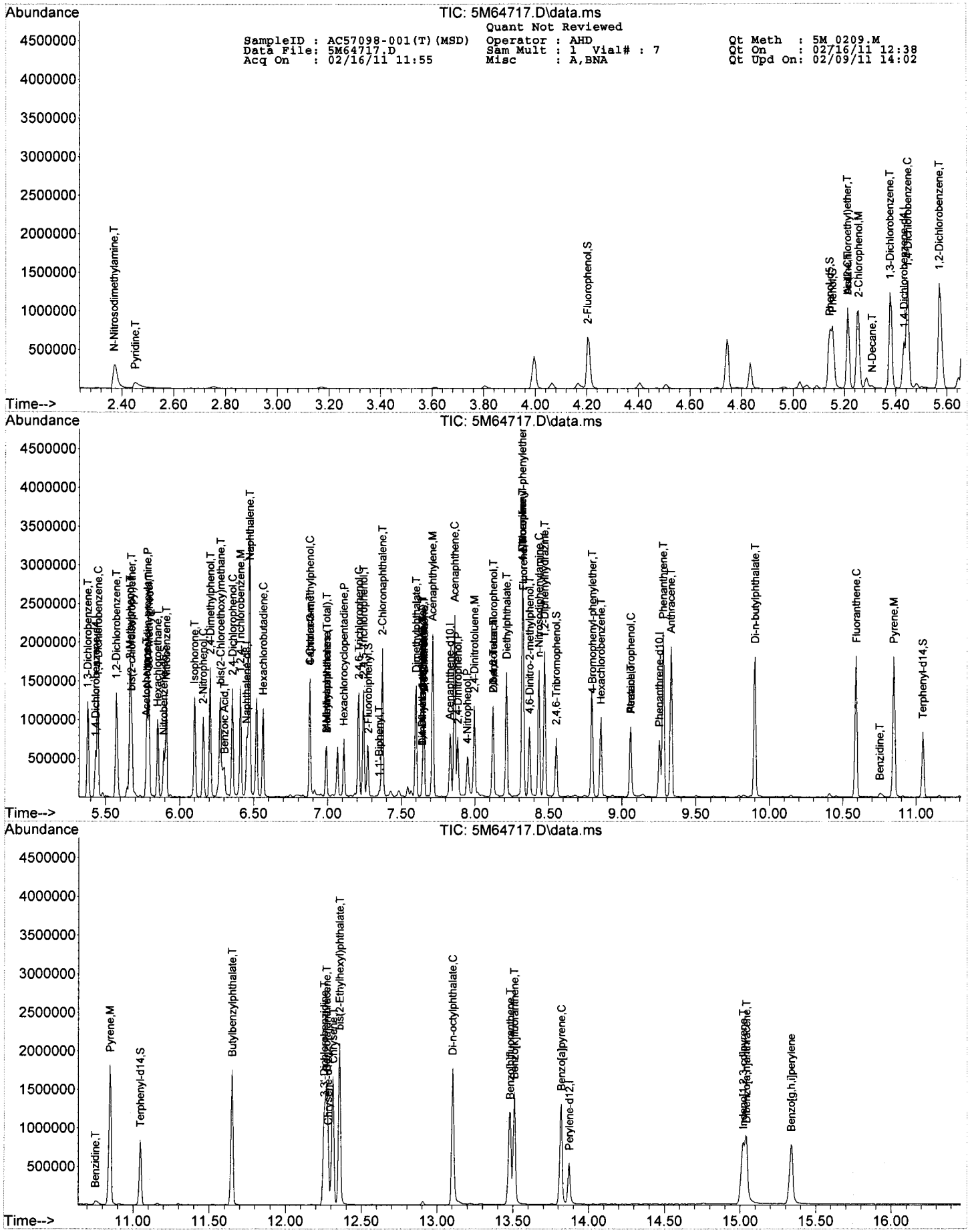
Quantitation Report (Not Reviewed)

SampleID : AC57098-001(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64717.D Sam Mult : 1 Vial# : 7 Qt On : 02/16/11 12:38
Acq On : 02/16/11 11:55 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-16-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4,6-Dinitro-2-methylph...	8.370	198	83382	111.73	ng	32
76) n-Nitrosodiphenylamine	8.434	169	325620	84.59	ng	99
78) 1,2-Diphenylhydrazine	8.472	77	691249	103.67	ng	98
79) 4-Bromophenyl-phenylether	8.798	248	101455	111.66	ng	98
80) Hexachlorobenzene	8.856	284	85591	98.03	ng	96
82) Pentachlorophenol	9.059	266	64142	123.32	ng	95
83) Phenanthrene	9.278	178	728708	111.46	ng	99
84) Anthracene	9.332	178	703670	106.38	ng	100
86) Di-n-butylphthalate	9.903	149	894008	110.07	ng	98
87) Fluoranthene	10.593	202	681608	105.40	ng	97
89) Pyrene	10.849	202	706053	103.97	ng	98
90) Benzidine	10.753	184	8463	2.44	ng	100
94) Butylbenzylphthalate	11.650	149	390934	109.16	ng	93
96) 3,3'-Dichlorobenzidine	12.254	252	150183	107.98	ng	98
97) Benzo[a]anthracene	12.270	228	522178	96.51	ng	99
98) Chrysene	12.313	228	537364	100.64	ng	99
99) bis(2-Ethylhexyl)phtha...	12.356	149	546677	109.87	ng	99
101) Di-n-octylphthalate	13.103	149	900464	102.59	ng	100
102) Benzo[b]fluoranthene	13.483	252	489812	105.51	ng	97
103) Benzo[k]fluoranthene	13.509	252	496154	107.71	ng	97
104) Benzo[a]pyrene	13.819	252	473595	108.15	ng	98
105) Indeno[1,2,3-cd]pyrene	15.021	276	420038	105.38	ng	79
106) Dibenzo[a,h]anthracene	15.043	278	366118	110.76	ng	92
107) Benzo[g,h,i]perylene	15.337	276	363107	107.36	ng	81

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


Abundance
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Quant Not Reviewed
SampleID : AC57098-001(T)(MSD)
Data File: 5M64717.D
Acq On : 02/16/11 11:55
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/16/11 12:38
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Time-->
Abundance
TIC: 5M64717.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
2-Fluorobiphenyl,S
1,1'-Biphenyl,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Acenaphthene-d10,I
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Phenanthrene-d10,I
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->
Abundance
TIC: 5M64717.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64837.D	WMB4585(MS)	2/24/2011 10:18:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	18.76	0	100	19	1	93
Phenol	1	40.27	0	100	40	32	98
2-Chlorophenol	1	92.32	0	100	92	64	108
1,4-Dichlorobenzene	1	80.14	0	100	80	52	110
2-Methylphenol	1	87.6	0	100	88	58	113
Hexachloroethane	1	79.08	0	100	79	57	116
N-Nitroso-di-n-propylamine	1	95.29	0	100	95	49	118
3&4-Methylphenol	1	77.94	0	100	78	64	98
Nitrobenzene	1	105.96	0	100	106	80	115
2,4-Dimethylphenol	1	96.52	0	100	97	54	122
1,2,4-Trichlorobenzene	1	89.96	0	100	90	52	120
Naphthalene	1	91.16	0	100	91	61	116
Hexachlorobutadiene	1	92.47	0	100	92	61	118
4-Chloro-3-methylphenol	1	99.4	0	100	99	71	119
2,4,6-Trichlorophenol	1	110.03	0	100	110	89	124
2,4,5-Trichlorophenol	1	104.55	0	100	105	89	129
Acenaphthene	1	101.64	0	100	102	75	110
2,4-Dinitrotoluene	1	111.09	0	100	111	64	120
4-Nitrophenol	1	47.81	0	100	48	35	116
Fluorene	1	99.15	0	100	99	73	113
Hexachlorobenzene	1	101.42	0	100	101	61	120
Pentachlorophenol	1	112.09	0	100	112	76	140
Pyrene	1	102.43	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4585(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64837.D Sam Mult : 1 Vial# : 3 Qt On : 02/24/11 10:37
Acq On : 02/24/11 10:18 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	64363	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	240824	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	130573	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	219989	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	176818	40.00	ng	-0.05
100) Perylene-d12	13.844	264	155539	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.186	112	137743	65.37	ng	-0.04
Spiked Amount 100.000			Recovery = 65.37%			
15) Phenol-d5	5.120	99	131265	44.14	ng	-0.04
Spiked Amount 100.000			Recovery = 44.14%			
30) Nitrobenzene-d5	5.874	128	55862	54.17	ng	-0.03
Spiked Amount 50.000			Recovery = 108.34%			
52) 2-Fluorobiphenyl	7.257	172	177998	43.18	ng	-0.03
Spiked Amount 50.000			Recovery = 86.36%			
77) 2,4,6-Tribromophenol	8.529	330	34053	106.44	ng	-0.04
Spiked Amount 100.000			Recovery = 106.44%			
91) Terphenyl-d14	11.024	244	186393	53.33	ng	-0.04
Spiked Amount 50.000			Recovery = 106.66%			
Target Compounds						Qvalue
8) Pyridine	2.444	79	55034	18.76	ng	85
9) N-Nitrosodimethylamine	2.364	74	125722	71.73	ng	90
12) Aniline	5.195	93	233996	70.88	ng	17
14) bis(2-Chloroethyl)ether	5.195	93	233996	95.92	ng	92
16) Phenol	5.136	94	138957	40.27	ng	92
17) 2-Chlorophenol	5.238	128	211751	92.32	ng	90
19) 1,3-Dichlorobenzene	5.366	146	179582	76.13	ng	98
20) 1,4-Dichlorobenzene	5.430	146	195224	80.14	ng	97
21) 1,2-Dichlorobenzene	5.553	146	184951	81.86	ng	96
23) bis(2-chloroisopropyl)...	5.660	45	406805	97.82	ng	97
24) 2-Methylphenol	5.644	108	191029	87.60	ng	97
26) Hexachloroethane	5.836	117	80054	79.08	ng	96
27) N-Nitroso-di-n-propyla...	5.761	70	177555	95.29	ng	84
28) 3&4-Methylphenol	5.772	108	187560	77.94	ng	86
31) Nitrobenzene	5.890	77	291213	105.96	ng	95
32) Isophorone	6.087	82	437646	88.61	ng	94
33) 2-Nitrophenol	6.146	139	118882	105.54	ng	91
34) 2,4-Dimethylphenol	6.189	107	219277	96.52	ng	96
35) Benzoic Acid	6.264	105	53459	41.79	ng	93
36) bis(2-Chloroethoxy)met...	6.258	93	290212	102.37	ng	99
37) 2,4-Dichlorophenol	6.338	162	170858	106.80	ng	93
38) 1,2,4-Trichlorobenzene	6.392	180	159460	89.96	ng	98
39) Naphthalene	6.456	128	595007	91.16	ng	99
41) Hexachlorobutadiene	6.547	225	69940	92.47	ng	97
42) Caprolactam	6.862	113	5513	7.35	ng	22
43) 4-Chloro-3-methylphenol	6.862	107	204907	99.40	ng	92
49) Hexachlorocyclopentadiene	7.092	237	54103	76.27	ng	92
50) 2,4,6-Trichlorophenol	7.193	196	110294	110.03	ng	99
51) 2,4,5-Trichlorophenol	7.220	196	117899	104.55	ng	99
53) 2-Chloronaphthalene	7.353	162	372667	102.65	ng	96
57) 2-Nitroaniline	7.631	65	8960	4.58	ng	42
59) Acenaphthylene	7.695	152	664584	108.58	ng	99
60) Dimethylphthalate	7.578	163	431715	103.85	ng	99
61) 2,6-Dinitrotoluene	7.631	165	97453	107.15	ng	82
62) Acenaphthene	7.840	153	385707	101.64	ng	96
64) 2,4-Dinitrophenol	7.861	184	51757	107.97	ng	66
65) Dibenzofuran	8.101	168	30004	5.83	ng	30
66) 2,4-Dinitrotoluene	7.978	165	133433	111.09	ng	84
67) 4-Nitrophenol	7.925	65	51539	47.81	ng	90
68) 2,3,4,6-Tetrachlorophenol	8.101	232	79862	97.46	ng	97
69) Fluorene	8.304	166	393653	99.15	ng	99
70) 4-Chlorophenyl-phenyle...	8.299	204	166670	103.65	ng	97
71) Diethylphthalate	8.192	149	448690	103.47	ng	98
72) 4-Nitroaniline	8.304	138	6077	4.94	ng	23
73) Atrazine	9.031	200	12275	11.36	ng	35
75) 4,6-Dinitro-2-methylph...	8.347	198	72459	107.93	ng	28
76) n-Nitrosodiphenylamine	8.411	169	292513	84.05	ng	99
78) 1,2-Diphenylhydrazine	8.449	77	627870	104.15	ng	98
79) 4-Bromophenyl-phenylether	8.774	248	91653	111.57	ng	98
80) Hexachlorobenzene	8.833	284	80058	101.42	ng	95
82) Pentachlorophenol	9.036	266	51774	112.09	ng	96
83) Phenanthrene	9.255	178	625173	105.77	ng	98

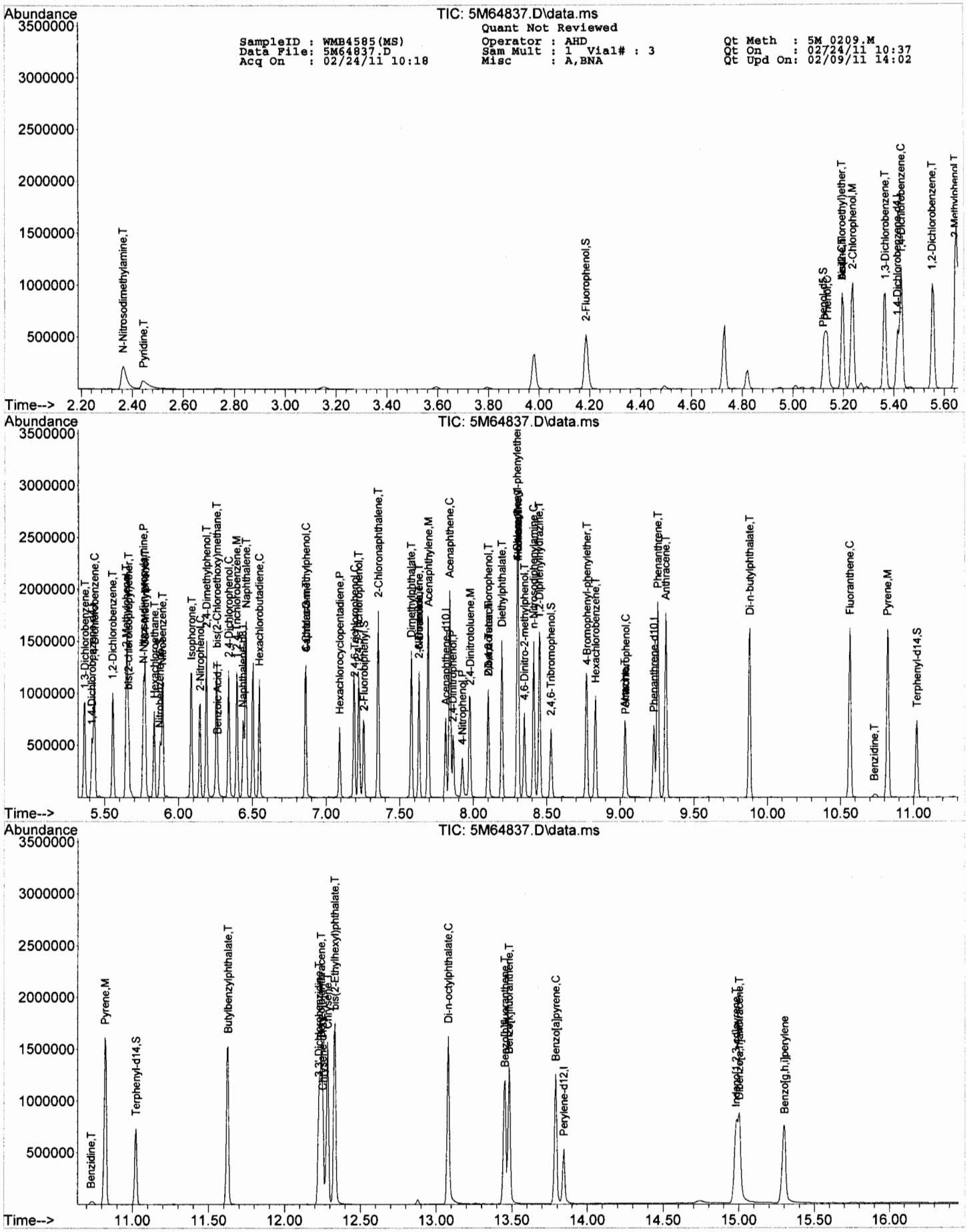
Quantitation Report (Not Reviewed)

SampleID : WMB4585(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64837.D Sam Mult : 1 Vial# : 3 Qt On : 02/24/11 10:37
Acq On : 02/24/11 10:18 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Anthracene	9.309	178	613039	102.51	ng	99
86)	Di-n-butylphthalate	9.880	149	808907	110.16	ng	98
87)	Fluoranthene	10.564	202	617543	105.62	ng	93
89)	Pyrene	10.821	202	646101	102.43	ng	96
90)	Benzidine	10.730	184	5481	1.70	ng	99
94)	Butylbenzylphthalate	11.627	149	356738	107.25	ng	96
96)	3,3'-Dichlorobenzidine	12.226	252	145815	113.99	ng	97
97)	Benzo[a]anthracene	12.242	228	488995	97.31	ng	99
98)	Chrysene	12.284	228	518989	104.65	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.332	149	513318	111.07	ng	100
101)	Di-n-octylphthalate	13.080	149	818107	95.88	ng	99
102)	Benzo[b]fluoranthene	13.454	252	464756	102.99	ng	98
103)	Benzo[k]fluoranthene	13.481	252	474401	105.95	ng	97
104)	Benzo[a]pyrene	13.791	252	445270	104.60	ng	98
105)	Indeno[1,2,3-cd]pyrene	14.982	276	409365	105.65	ng	79
106)	Dibenzo[a,h]anthracene	15.004	278	354974	110.47	ng	90
107)	Benzo[g,h,i]perylene	15.303	276	362701	110.32	ng	81

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


TIC: 5M64837.D\data.ms
Quant Not Reviewed
SampleID : WMB4585(MS)
Data File: 5M64837.D
Acq On : 02/24/11 10:18
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02724/11 10:37
Qt Upd On: 02/09/11 14:02
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
2-Methylphenol,T
1,3-Dichlorobenzene,C
1,4-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrotoluene,M
4-Nitrophenol,P
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form3
Recovery Data
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	9.32	0	100	9.3	1	93
Phenol	1	60.33	0	100	60	32	98
2-Chlorophenol	1	91.73	0	100	92	64	108
1,4-Dichlorobenzene	1	94.35	0	100	94	52	110
2-Methylphenol	1	91.32	0	100	91	58	113
Hexachloroethane	1	94.05	0	100	94	57	116
N-Nitroso-di-n-propylamine	1	97.05	0	100	97	49	118
3&4-Methylphenol	1	89.69	0	100	90	64	98
Nitrobenzene	1	101.08	0	100	101	80	115
2,4-Dimethylphenol	1	91.89	0	100	92	54	122
1,2,4-Trichlorobenzene	1	90.39	0	100	90	52	120
Naphthalene	1	121.43	36.02	100	85	61	116
Hexachlorobutadiene	1	95.27	0	100	95	61	118
4-Chloro-3-methylphenol	1	100.98	0	100	101	71	119
2,4,6-Trichlorophenol	1	106.98	0	100	107	89	124
2,4,5-Trichlorophenol	1	105.19	0	100	105	89	129
Acenaphthene	1	102.91	5.29	100	98	75	110
2,4-Dinitrotoluene	1	109.21	0	100	109	64	120
4-Nitrophenol	1	73.79	0	100	74	35	116
Fluorene	1	101.38	2.3	100	99	73	113
Hexachlorobenzene	1	102.66	0	100	103	61	120
Pentachlorophenol	1	116.29	0	100	116	76	140
Pyrene	1	106.27	0	100	106	76	118
Butylbenzylphthalate	1	110.92	0	100	111	66	127

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Non Spike(If applicable):	5M64839.D	AC57098-010(T)	2/24/2011 11:05:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	15.1	0	100	15	1	93
Phenol	1	53.52	0	100	54	32	98
2-Chlorophenol	1	92.2	0	100	92	64	108
1,4-Dichlorobenzene	1	87.66	0	100	88	52	110
2-Methylphenol	1	87.22	0	100	87	58	113
Hexachloroethane	1	90.47	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	96.7	0	100	97	49	118
3&4-Methylphenol	1	82.34	0	100	82	64	98
Nitrobenzene	1	105.36	0	100	105	80	115
2,4-Dimethylphenol	1	97.32	0	100	97	54	122
1,2,4-Trichlorobenzene	1	88.71	0	100	89	52	120
Naphthalene	1	117.52	36.02	100	82	61	116
Hexachlorobutadiene	1	94.18	0	100	94	61	118
4-Chloro-3-methylphenol	1	101.41	0	100	101	71	119
2,4,6-Trichlorophenol	1	108.27	0	100	108	89	124
2,4,5-Trichlorophenol	1	109.47	0	100	109	89	129
Acenaphthene	1	100.97	5.29	100	96	75	110
2,4-Dinitrotoluene	1	106.96	0	100	107	64	120
4-Nitrophenol	1	63.45	0	100	63	35	116
Fluorene	1	100.26	2.3	100	98	73	113
Hexachlorobenzene	1	100.09	0	100	100	61	120
Pentachlorophenol	1	119.38	0	100	119	76	140
Pyrene	1	101.11	0	100	101	76	118
Butylbenzylphthalate	1	109.85	0	100	110	66	127

* - Indicates outside of limits

Form3
RPD DATA
QC Batch: WMB4585

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M64841.D	AC57098-010(T)(MSD)	2/24/2011 11:52:00 AM
Duplicate(If applicable):	5M64840.D	AC57098-010(T)(MS)	2/24/2011 11:28:00 AM
Inst Blank(If applicable):			

Method: 8270 Matrix: Aqueous QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	15.1	9.32	47*	27
Phenol	1	53.52	60.33	12	27
2-Chlorophenol	1	92.2	91.73	0.51	21
1,4-Dichlorobenzene	1	87.66	94.35	7.4	30
2-Methylphenol	1	87.22	91.32	4.6	25
Hexachloroethane	1	90.47	94.05	3.9	27
N-Nitroso-di-n-propylamine	1	96.7	97.05	0.36	14
3&4-Methylphenol	1	82.34	89.69	8.5	27
Nitrobenzene	1	105.36	101.08	4.1	27
2,4-Dimethylphenol	1	97.32	91.89	5.7	18
1,2,4-Trichlorobenzene	1	88.71	90.39	1.9	17
Naphthalene	1	117.52	121.43	3.3	16
Hexachlorobutadiene	1	94.18	95.27	1.2	27
4-Chloro-3-methylphenol	1	101.41	100.98	0.42	16
2,4,6-Trichlorophenol	1	108.27	106.98	1.2	27
2,4,5-Trichlorophenol	1	109.47	105.19	4	27
Acenaphthene	1	100.97	102.91	1.9	14
2,4-Dinitrotoluene	1	106.96	109.21	2.1	13
4-Nitrophenol	1	63.45	73.79	15	41
Fluorene	1	100.26	101.38	1.1	14
Hexachlorobenzene	1	100.09	102.66	2.5	27
Pentachlorophenol	1	119.38	116.29	2.6	31
Pyrene	1	101.11	106.27	5	13
Butylbenzylphthalate	1	109.85	110.92	0.97	12

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

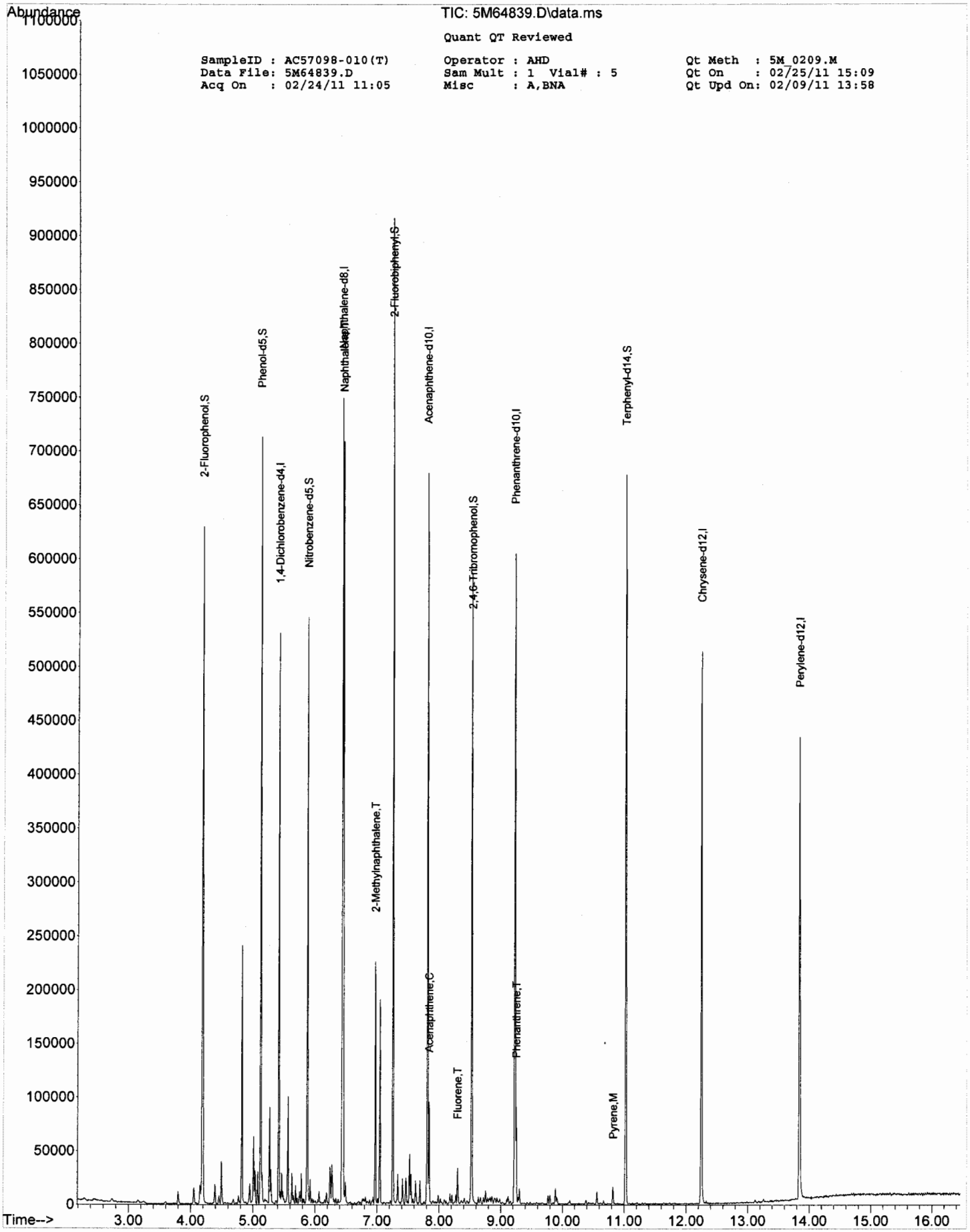
Quantitation Report (QT Reviewed)

SampleID : AC57098-010(T) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64839.D Sam Mult : 1 Vial# : 5 Qt On : 02/25/11 15:09
Acq On : 02/24/11 11:05 Misc : A,BNA Qt Upd On: 02/09/11 13:58

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	56561	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	217578	40.00	ng	-0.03
47) Acenaphthene-d10	7.808	164	120797	40.00	ng	-0.04
74) Phenanthrene-d10	9.223	188	199619	40.00	ng	-0.05
88) Chrysene-d12	12.247	240	159737	40.00	ng	-0.06
100) Perylene-d12	13.839	264	137888	40.00	ng	-0.06
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	162607	87.82	ng	-0.04
Spiked Amount 100.000			Recovery = 87.82%			
15) Phenol-d5	5.120	99	186424	71.33	ng	-0.04
Spiked Amount 100.000			Recovery = 71.33%			
30) Nitrobenzene-d5	5.874	128	47490	50.97	ng	-0.03
Spiked Amount 50.000			Recovery = 101.94%			
52) 2-Fluorobiphenyl	7.252	172	193624	50.77	ng	-0.03
Spiked Amount 50.000			Recovery = 101.54%			
77) 2,4,6-Tribromophenol	8.529	330	30858	106.29	ng	-0.04
Spiked Amount 100.000			Recovery = 106.29%			
91) Terphenyl-d14	11.024	244	178865	56.65	ng	-0.04
Spiked Amount 50.000			Recovery = 113.30%			
Target Compounds						Qvalue
39) Naphthalene	6.451	128	212413	36.02	ng	100
44) 2-Methylnaphthalene	6.969	142	47907	13.56	ng	96
62) Acenaphthene	7.834	153	18584	5.29	ng	95
69) Fluorene	8.299	166	8452	2.30	ng	91
83) Phenanthrene	9.250	178	27866	5.20	ng	100
89) Pyrene	10.821	202	6276	1.10	ng	92

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


Abundance
TIC: 5M64839.D\data.ms
Quant QT Reviewed
SampleID : AC57098-010(T)
Data File: 5M64839.D
Acq On : 02/24/11 11:05
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/25/11 15:09
Qt Upd On: 02/09/11 13:58
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
2-Methylnaphthalene,T
Acenaphthene-d10,I
Acenaphthene,C
Fluorene,T
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,T
Pyrene,M
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64840.D Sam Mult : 1 Vial# : 6 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	63027	40.00	ng	-0.03
29) Naphthalene-d8	6.434	136	242915	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	129350	40.00	ng	-0.04
74) Phenanthrene-d10	9.228	188	214515	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	168639	40.00	ng	-0.05
100) Perylene-d12	13.844	264	150252	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	169927	82.36	ng	-0.04
Spiked Amount 100.000			Recovery = 82.36%			
15) Phenol-d5	5.126	99	199158	68.38	ng	-0.04
Spiked Amount 100.000			Recovery = 68.38%			
30) Nitrobenzene-d5	5.874	128	53624	51.55	ng	-0.03
Spiked Amount 50.000			Recovery = 103.10%			
52) 2-Fluorobiphenyl	7.252	172	162134	39.70	ng	-0.03
Spiked Amount 50.000			Recovery = 79.40%			
77) 2,4,6-Tribromophenol	8.529	330	33504	107.39	ng	-0.04
Spiked Amount 100.000			Recovery = 107.39%			
91) Terphenyl-d14	11.023	244	182752	54.83	ng	-0.04
Spiked Amount 50.000			Recovery = 109.66%			
Target Compounds						Qvalue
8) Pyridine	2.454	79	26765	9.32	ng	84
9) N-Nitrosodimethylamine	2.369	74	153707	89.56	ng	88
12) Aniline	5.200	93	228847	70.79	ng	17
14) bis(2-Chloroethyl)ether	5.200	93	228847	95.80	ng	90
16) Phenol	5.136	94	203839	60.33	ng	91
17) 2-Chlorophenol	5.238	128	206030	91.73	ng	91
18) N-Decane	5.291	57	5474	1.72	ng	98
19) 1,3-Dichlorobenzene	5.366	146	215486	93.28	ng	98
20) 1,4-Dichlorobenzene	5.430	146	225068	94.35	ng	97
21) 1,2-Dichlorobenzene	5.558	146	203665	92.05	ng	98
23) bis(2-chloroisopropyl)...	5.660	45	407398	100.04	ng	97
24) 2-Methylphenol	5.644	108	195007	91.32	ng	99
25) Acetophenone	5.756	105	3619	1.04	ng	66
26) Hexachloroethane	5.836	117	93237	94.05	ng	96
27) N-Nitroso-di-n-propyla...	5.761	70	177077	97.05	ng	86
28) 3&4-Methylphenol	5.772	108	211334	89.69	ng	84
31) Nitrobenzene	5.890	77	280199	101.08	ng	93
32) Isophorone	6.087	82	428599	86.03	ng	95
33) 2-Nitrophenol	6.146	139	116077	102.17	ng	90
34) 2,4-Dimethylphenol	6.189	107	210578	91.89	ng	97
35) Benzoic Acid	6.274	105	93642	67.22	ng	96
36) bis(2-Chloroethoxy)met...	6.258	93	287997	100.71	ng	98
37) 2,4-Dichlorophenol	6.338	162	165499	102.56	ng	92
38) 1,2,4-Trichlorobenzene	6.397	180	161625	90.39	ng	100
39) Naphthalene	6.456	128	799416	121.43	ng	99
41) Hexachlorobutadiene	6.547	225	72686	95.27	ng	95
42) Caprolactam	6.862	113	5655	7.47	ng	24
43) 4-Chloro-3-methylphenol	6.862	107	209973	100.98	ng	91
44) 2-Methylnaphthalene	6.974	142	48394	12.27	ng	100
45) Methylnaphthalenes (To...	6.974	142	48394	12.27	ng	100
49) Hexachlorocyclopentadiene	7.092	237	52717	75.02	ng	94
50) 2,4,6-Trichlorophenol	7.188	196	106229	106.98	ng	100
51) 2,4,5-Trichlorophenol	7.220	196	117512	105.19	ng	97
53) 2-Chloronaphthalene	7.353	162	360822	100.33	ng	98
54) 1,4-Dimethylnaphthalene	7.620	156	4993	1.78	ng	90
55) Dimethylnaphthalenes (...	7.620	156	4993	1.78	ng	90
57) 2-Nitroaniline	7.631	65	9957	5.14	ng	50
59) Acenaphthylene	7.695	152	629069	103.75	ng	99
60) Dimethylphthalate	7.578	163	435750	105.81	ng	100
61) 2,6-Dinitrotoluene	7.631	165	98135	108.92	ng	81
62) Acenaphthene	7.839	153	386876	102.91	ng	98
64) 2,4-Dinitrophenol	7.861	184	48870	104.00	ng	69
65) Dibenzofuran	8.101	168	30005	5.89	ng	30
66) 2,4-Dinitrotoluene	7.978	165	129943	109.21	ng	82
67) 4-Nitrophenol	7.925	65	78793	73.79	ng	95
68) 2,3,4,6-Tetrachlorophenol	8.101	232	77882	95.95	ng	98
69) Fluorene	8.304	166	398714	101.38	ng	100
70) 4-Chlorophenyl-phenyle...	8.299	204	162438	101.97	ng	97
71) Diethylphthalate	8.192	149	448464	104.40	ng	99
72) 4-Nitroaniline	8.304	138	6463	5.30	ng	23
73) Atrazine	9.031	200	12579	11.76	ng	35
75) 4,6-Dinitro-2-methylph...	8.347	198	67898	104.22	ng	26

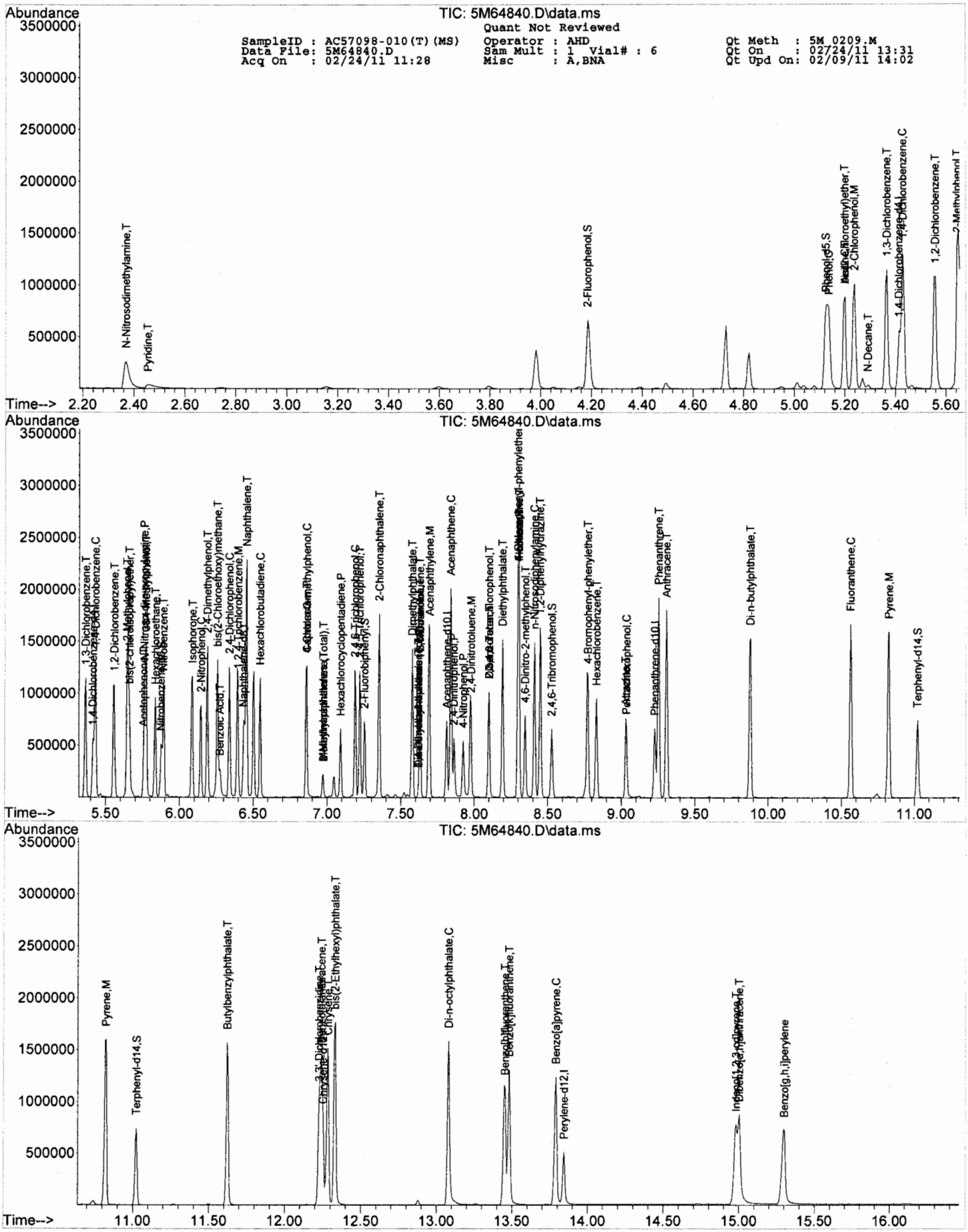
Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MS) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64840.D Sam Mult : 1 Vial# : 6 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:28 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	n-Nitrosodiphenylamine	8.411	169	289207	85.22	ng	100
78)	1,2-Diphenylhydrazine	8.448	77	619554	105.39	ng	98
79)	4-Bromophenyl-phenylether	8.774	248	92892	115.96	ng	94
80)	Hexachlorobenzene	8.833	284	79020	102.66	ng	92
82)	Pentachlorophenol	9.036	266	52731	116.29	ng	98
83)	Phenanthrene	9.255	178	639698	110.99	ng	99
84)	Anthracene	9.309	178	625171	107.20	ng	99
86)	Di-n-butylphthalate	9.880	149	796468	111.23	ng	99
87)	Fluoranthene	10.564	202	624656	109.57	ng	95
89)	Pyrene	10.826	202	639314	106.27	ng	98
94)	Butylbenzylphthalate	11.622	149	351907	110.92	ng	89
96)	3,3'-Dichlorobenzidine	12.225	252	131282	106.25	ng	97
97)	Benzo[a]anthracene	12.241	228	471283	98.33	ng	99
98)	Chrysene	12.284	228	499944	105.70	ng	99
99)	bis(2-Ethylhexyl)phtha...	12.332	149	504960	114.56	ng	100
101)	Di-n-octylphthalate	13.080	149	810574	98.34	ng	99
102)	Benzo[b]fluoranthene	13.454	252	454193	104.19	ng	99
103)	Benzo[k]fluoranthene	13.481	252	450653	104.18	ng	96
104)	Benzo[a]pyrene	13.791	252	446091	108.48	ng	97
105)	Indeno[1,2,3-cd]pyrene	14.982	276	399945	106.85	ng	82
106)	Dibenzo[a,h]anthracene	15.003	278	345394	111.27	ng	90
107)	Benzo[g,h,i]perylene	15.303	276	349343	110.00	ng	81

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


TIC: 5M64840.D\data.ms
Quant Not Reviewed
SampleID : AC57098-010(T)(MS)
Data File: 5M64840.D
Acq On : 02/24/11 11:28
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02724/11 13:31
Qt Upd On: 02/09/11 14:02
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
2-Methylphenol,T
Naphthalene,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64841.D Sam Mult : 1 Vial# : 7 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:52 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.414	152	64324	40.00	ng	-0.03
29) Naphthalene-d8	6.435	136	244446	40.00	ng	-0.03
47) Acenaphthene-d10	7.813	164	132780	40.00	ng	-0.04
74) Phenanthrene-d10	9.229	188	219762	40.00	ng	-0.04
88) Chrysene-d12	12.252	240	175946	40.00	ng	-0.05
100) Perylene-d12	13.844	264	151261	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.185	112	155039	73.62	ng	-0.04
Spiked Amount 100.000			Recovery = 73.62%			
15) Phenol-d5	5.126	99	176019	59.22	ng	-0.04
Spiked Amount 100.000			Recovery = 59.22%			
30) Nitrobenzene-d5	5.874	128	56352	53.83	ng	-0.03
Spiked Amount 50.000			Recovery = 107.66%			
52) 2-Fluorobiphenyl	7.252	172	166147	39.63	ng	-0.03
Spiked Amount 50.000			Recovery = 79.26%			
77) 2,4,6-Tribromophenol	8.529	330	35046	109.66	ng	-0.04
Spiked Amount 100.000			Recovery = 109.66%			
91) Terphenyl-d14	11.024	244	189492	54.49	ng	-0.04
Spiked Amount 50.000			Recovery = 108.98%			
Target Compounds						Qvalue
8) Pyridine	2.449	79	44278	15.10	ng	90
9) N-Nitrosodimethylamine	2.369	74	141078	80.54	ng	86
12) Aniline	5.200	93	234101	70.95	ng	17
14) bis(2-Chloroethyl)ether	5.200	93	234101	96.02	ng	88
16) Phenol	5.136	94	184572	53.52	ng	90
17) 2-Chlorophenol	5.238	128	211366	92.20	ng	91
18) N-Decane	5.291	57	5116	1.58	ng	95
19) 1,3-Dichlorobenzene	5.366	146	204132	86.59	ng	99
20) 1,4-Dichlorobenzene	5.430	146	213401	87.66	ng	99
21) 1,2-Dichlorobenzene	5.553	146	200496	88.79	ng	96
23) bis(2-chloroisopropyl)...	5.660	45	408205	98.22	ng	98
24) 2-Methylphenol	5.644	108	190083	87.22	ng	96
25) Acetophenone	5.756	105	3749	1.06	ng	58
26) Hexachloroethane	5.836	117	91534	90.47	ng	95
27) N-Nitroso-di-n-propyla...	5.761	70	180084	96.70	ng	83
28) 3&4-Methylphenol	5.772	108	198006	82.34	ng	85
31) Nitrobenzene	5.890	77	293905	105.36	ng	93
32) Isophorone	6.087	82	443241	88.41	ng	95
33) 2-Nitrophenol	6.146	139	122872	107.47	ng	88
34) 2,4-Dimethylphenol	6.189	107	224436	97.32	ng	97
35) Benzoic Acid	6.269	105	80936	59.12	ng	94
36) bis(2-Chloroethoxy)met...	6.258	93	294584	102.37	ng	99
37) 2,4-Dichlorophenol	6.338	162	171635	105.69	ng	93
38) 1,2,4-Trichlorobenzene	6.392	180	159611	88.71	ng	98
39) Naphthalene	6.456	128	778575	117.52	ng	99
41) Hexachlorobutadiene	6.547	225	72302	94.18	ng	96
42) Caprolactam	6.862	113	5712	7.50	ng	19
43) 4-Chloro-3-methylphenol	6.862	107	212204	101.41	ng	87
44) 2-Methylnaphthalene	6.969	142	48285	12.17	ng	97
45) Methylnaphthalenes (To...	6.969	142	48285	12.17	ng	97
49) Hexachlorocyclopentadiene	7.092	237	55094	76.38	ng	93
50) 2,4,6-Trichlorophenol	7.188	196	110358	108.27	ng	100
51) 2,4,5-Trichlorophenol	7.220	196	125531	109.47	ng	98
53) 2-Chloronaphthalene	7.353	162	370618	100.39	ng	96
54) 1,4-Dimethylnaphthalene	7.621	156	5058	1.75	ng	88
55) Dimethylnaphthalenes (...	7.621	156	5058	1.75	ng	88
57) 2-Nitroaniline	7.631	65	10011	5.04	ng	48
59) Acenaphthylene	7.690	152	649972	104.43	ng	100
60) Dimethylphthalate	7.578	163	445604	105.41	ng	100
61) 2,6-Dinitrotoluene	7.631	165	102238	110.55	ng	79
62) Acenaphthene	7.840	153	389643	100.97	ng	97
64) 2,4-Dinitrophenol	7.861	184	51306	105.84	ng	59
65) Dibenzofuran	8.101	168	30846	5.89	ng	31
66) 2,4-Dinitrotoluene	7.973	165	130649	106.96	ng	97
67) 4-Nitrophenol	7.925	65	69544	63.45	ng	91
68) 2,3,4,6-Tetrachlorophenol	8.101	232	84001	100.81	ng	99
69) Fluorene	8.304	166	404768	100.26	ng	99
70) 4-Chlorophenyl-phenyle...	8.299	204	167897	102.68	ng	96
71) Diethylphthalate	8.192	149	456663	103.56	ng	99
72) 4-Nitroaniline	8.304	138	6222	4.97	ng	25
73) Atrazine	9.031	200	13705	12.48	ng	35
75) 4,6-Dinitro-2-methylph...	8.347	198	72397	107.94	ng	28

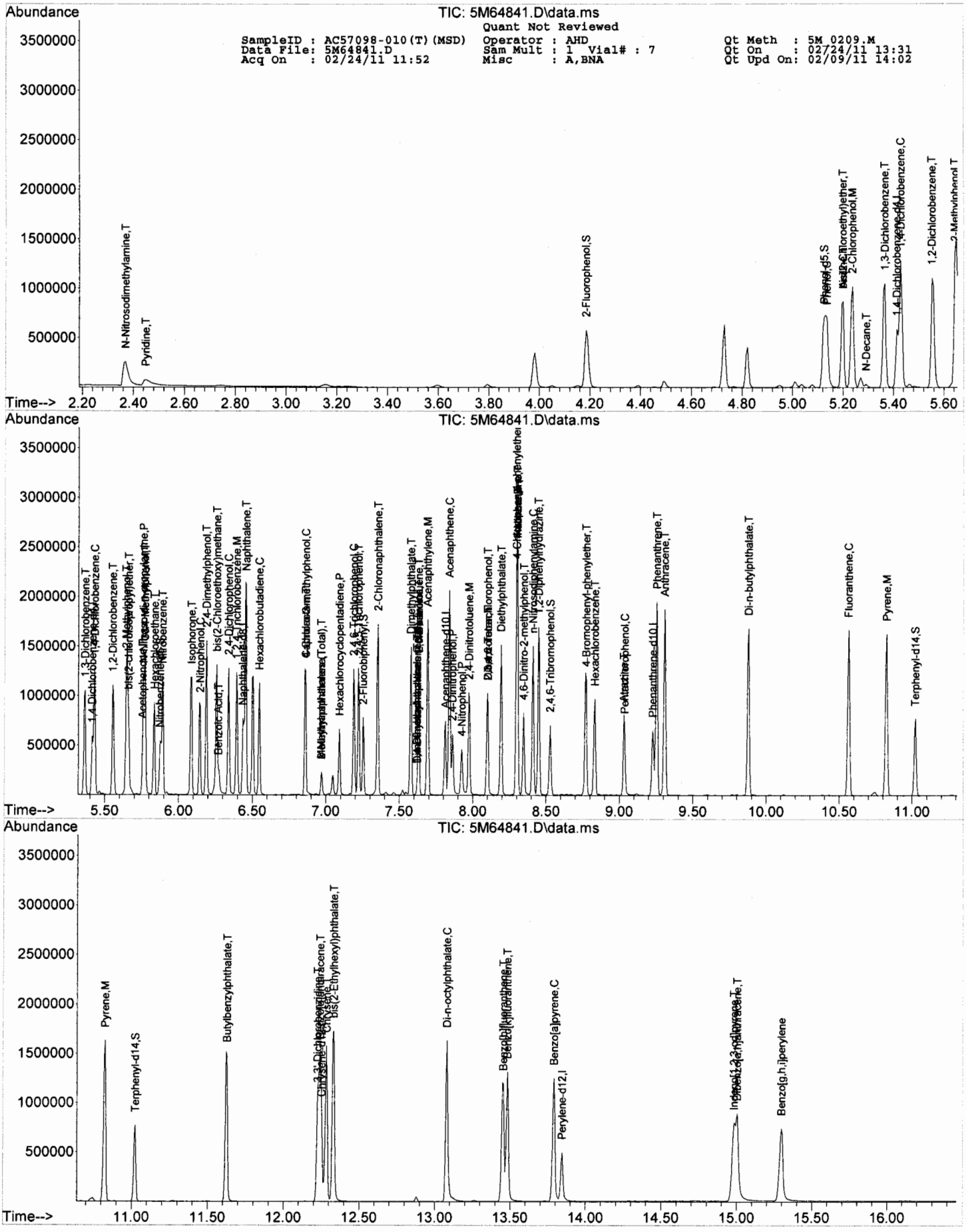
Quantitation Report (Not Reviewed)

SampleID : AC57098-010(T)(MSD) Operator : AHD Qt Meth : 5M_0209.M
Data File: 5M64841.D Sam Mult : 1 Vial# : 7 Qt On : 02/24/11 13:31
Acq On : 02/24/11 11:52 Misc : A,BNA Qt Upd On: 02/09/11 14:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\02-24-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	n-Nitrosodiphenylamine	8.411	169	294290	84.65	ng	99
78)	1,2-Diphenylhydrazine	8.449	77	631121	104.80	ng	98
79)	4-Bromophenyl-phenylether	8.774	248	93360	113.77	ng	96
80)	Hexachlorobenzene	8.833	284	78928	100.09	ng	94
82)	Pentachlorophenol	9.036	266	55730	119.38	ng	99
83)	Phenanthrene	9.255	178	660261	111.82	ng	98
84)	Anthracene	9.309	178	627508	105.04	ng	99
86)	Di-n-butylphthalate	9.880	149	819865	111.77	ng	98
87)	Fluoranthene	10.564	202	620175	106.18	ng	93
89)	Pyrene	10.826	202	634579	101.11	ng	98
94)	Butylbenzylphthalate	11.627	149	363594	109.85	ng	97
96)	3,3'-Dichlorobenzidine	12.226	252	136753	106.05	ng	96
97)	Benzo[a]anthracene	12.242	228	486392	97.27	ng	99
98)	Chrysene	12.284	228	511106	103.57	ng	98
99)	bis(2-Ethylhexyl)phtha...	12.332	149	504556	109.72	ng	100
101)	Di-n-octylphthalate	13.080	149	820593	98.89	ng	99
102)	Benzo[b]fluoranthene	13.454	252	457092	104.16	ng	99
103)	Benzo[k]fluoranthene	13.481	252	463692	106.48	ng	96
104)	Benzo[a]pyrene	13.791	252	446981	107.97	ng	97
105)	Indeno[1,2,3-cd]pyrene	14.982	276	408946	108.53	ng	77
106)	Dibenzo[a,h]anthracene	15.004	278	359596	115.07	ng	90
107)	Benzo[g,h,i]perylene	15.297	276	351806	110.03	ng	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : AC57098-010(T)(MSD)
Data File: 5M64841.D
Acq On : 02/24/11 11:52
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_0209.M
Qt On : 02/24/11 13:31
Qt Upd On: 02/09/11 14:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
N-Decane,T
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,2-Dichlorobenzene,T
2-Methylphenol,T
Time-->

Abundance
TIC: 5M64841.D\data.ms
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Hexachloroethane,T
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrophenol,T
4-Nitrophenol,P
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
n-Nitrosodiphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M64841.D\data.ms
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M32515.D	WMB4624(MS)	3/1/2011 10:05:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	34.57	0	100	35	1	93
Phenol	1	38.25	0	100	38	32	98
2-Chlorophenol	1	87.95	0	100	88	64	108
1,4-Dichlorobenzene	1	93.06	0	100	93	52	110
2-Methylphenol	1	80.38	0	100	80	58	113
Hexachloroethane	1	91.13	0	100	91	57	116
N-Nitroso-di-n-propylamine	1	93.27	0	100	93	49	118
3&4-Methylphenol	1	75.93	0	100	76	64	98
Nitrobenzene	1	102.35	0	100	102	80	115
2,4-Dimethylphenol	1	85.79	0	100	86	54	122
1,2,4-Trichlorobenzene	1	90.96	0	100	91	52	120
Naphthalene	1	90.88	0	100	91	61	116
Hexachlorobutadiene	1	92.77	0	100	93	61	118
4-Chloro-3-methylphenol	1	97.4	0	100	97	71	119
2,4,6-Trichlorophenol	1	101.47	0	100	101	89	124
2,4,5-Trichlorophenol	1	103.11	0	100	103	89	129
Acenaphthene	1	94.23	0	100	94	75	110
2,4-Dinitrotoluene	1	98.21	0	100	98	64	120
4-Nitrophenol	1	38.46	0	100	38	35	116
Fluorene	1	95.74	0	100	96	73	113
Hexachlorobenzene	1	96.9	0	100	97	61	120
Pentachlorophenol	1	103.35	0	100	103	76	140
Pyrene	1	102.49	0	100	102	76	118
Butylbenzylphthalate	1	107.25	0	100	107	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4624(MS) Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32515.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/11 10:52
Acq On : 03/ 1/11 10:05 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.505	152	88044	40.00	ng	0.00
29) Naphthalene-d8	6.526	136	341787	40.00	ng	0.00
47) Acenaphthene-d10	7.906	164	188691	40.00	ng	-0.01
74) Phenanthrene-d10	9.324	188	308599	40.00	ng	-0.01
88) Chrysene-d12	12.351	240	241322	40.00	ng	0.00
100) Perylene-d12	13.945	264	200889	40.00	ng	-0.02
System Monitoring Compounds						
10) 2-Fluorophenol	4.275	112	193830	66.99	ng	0.00
Spiked Amount 100.000			Recovery = 66.99%			
15) Phenol-d5	5.200	99	182691	44.34	ng	0.00
Spiked Amount 100.000			Recovery = 44.34%			
30) Nitrobenzene-d5	5.965	128	80397	56.16	ng	0.00
Spiked Amount 50.000			Recovery = 112.32%			
52) 2-Fluorobiphenyl	7.345	172	287072	47.51	ng	-0.01
Spiked Amount 50.000			Recovery = 95.02%			
77) 2,4,6-Tribromophenol	8.623	330	45048	118.71	ng	-0.01
Spiked Amount 100.000			Recovery = 118.71%			
91) Terphenyl-d14	11.115	244	290541	59.55	ng	-0.01
Spiked Amount 50.000			Recovery = 119.10%			
Target Compounds						Qvalue
8) Pyridine	2.574	79	121154	34.57	ng	78
9) N-Nitrosodimethylamine	2.504	74	152733	71.72	ng	78
12) Aniline	5.291	93	319521	63.81	ng	17
14) bis(2-Chloroethyl)ether	5.291	93	319521	95.70	ng	82
16) Phenol	5.216	94	173562	38.25	ng	84
17) 2-Chlorophenol	5.323	128	286540	87.95	ng	86
19) 1,3-Dichlorobenzene	5.457	146	302363	89.93	ng	97
20) 1,4-Dichlorobenzene	5.521	146	319730	93.06	ng	99
21) 1,2-Dichlorobenzene	5.644	146	293308	91.44	ng	98
23) bis(2-chloroisopropyl)...	5.745	45	469841	94.93	ng	95
24) 2-Methylphenol	5.729	108	241636	80.38	ng	99
26) Hexachloroethane	5.922	117	116786	91.13	ng	98
27) N-Nitroso-di-n-propyla...	5.852	70	232722	93.27	ng	72
28) 3&4-Methylphenol	5.858	108	235246	75.93	ng	87
31) Nitrobenzene	5.981	77	334382	102.35	ng	82
32) Isophorone	6.179	82	526774	83.32	ng	83
33) 2-Nitrophenol	6.232	139	152543	102.57	ng	89
34) 2,4-Dimethylphenol	6.270	107	263710	85.79	ng	91
35) Benzoic Acid	6.361	105	72749	39.79	ng	88
36) bis(2-Chloroethoxy)met...	6.344	93	371533	98.12	ng	95
37) 2,4-Dichlorophenol	6.425	162	219001	96.78	ng	90
38) 1,2,4-Trichlorobenzene	6.478	180	222726	90.96	ng	98
39) Naphthalene	6.542	128	873824	90.88	ng	99
41) Hexachlorobutadiene	6.633	225	101279	92.77	ng	95
42) Caprolactam	6.938	113	7382	6.82	ng	15
43) 4-Chloro-3-methylphenol	6.938	107	267456	97.40	ng	87
49) Hexachlorocyclopentadiene	7.179	237	79609	79.57	ng	99
50) 2,4,6-Trichlorophenol	7.275	196	144321	101.47	ng	99
51) 2,4,5-Trichlorophenol	7.307	196	155044	103.11	ng	98
53) 2-Chloronaphthalene	7.446	162	534868	101.16	ng	95
57) 2-Nitroaniline	7.724	65	10009	4.78	ng	42
59) Acenaphthylene	7.783	152	926991	103.97	ng	100
60) Dimethylphthalate	7.671	163	638427	104.23	ng	98
61) 2,6-Dinitrotoluene	7.724	165	140781	109.94	ng	61
62) Acenaphthene	7.933	153	540017	94.23	ng	97
64) 2,4-Dinitrophenol	7.954	184	61920	102.61	ng	86
65) Dibenzofuran	8.190	168	41024	5.28	ng	31
66) 2,4-Dinitrotoluene	8.067	165	181389	98.21	ng	72
67) 4-Nitrophenol	8.003	65	53587	38.46	ng	97
68) 2,3,4,6-Tetrachlorophenol	8.190	232	106931	97.95	ng	94
69) Fluorene	8.398	166	605755	95.74	ng	100
70) 4-Chlorophenyl-phenyle...	8.393	204	256672	99.84	ng	95
71) Diethylphthalate	8.286	149	618733	99.13	ng	97
72) 4-Nitroaniline	8.398	138	7945	4.55	ng	23
73) Atrazine	9.126	200	18363	11.54	ng	35
75) 4,6-Dinitro-2-methylph...	8.446	198	89426	104.00	ng	50
76) n-Nitrosodiphenylamine	8.505	169	435789	79.73	ng	99
78) 1,2-Diphenylhydrazine	8.543	77	699501	97.78	ng	87
79) 4-Bromophenyl-phenylether	8.869	248	134200	110.99	ng	99
80) Hexachlorobenzene	8.928	284	104563	96.90	ng	92
82) Pentachlorophenol	9.126	266	76497	103.35	ng	97
83) Phenanthrene	9.350	178	871170	101.26	ng	99

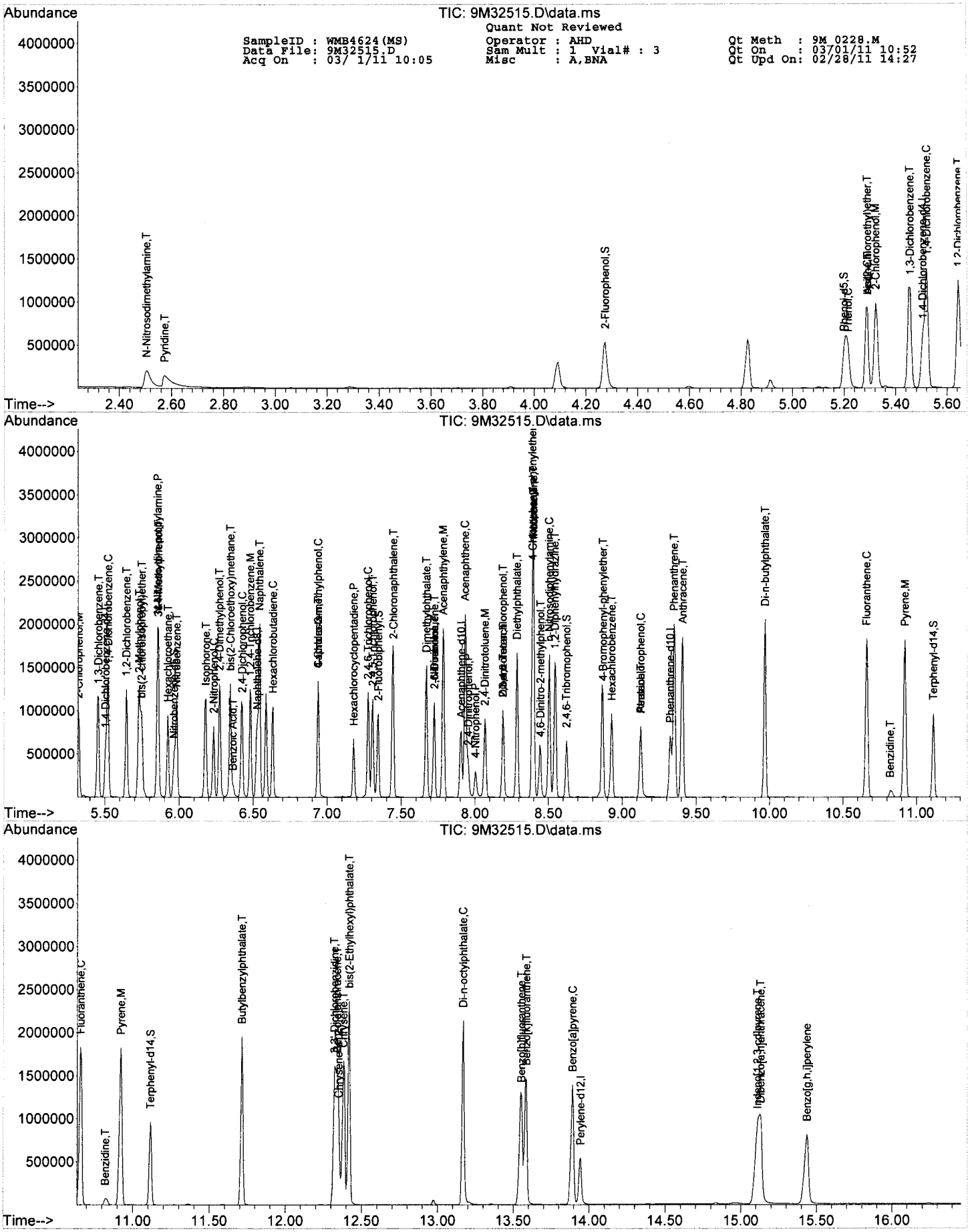
Quantitation Report (Not Reviewed)

SampleID : WMB4624(MS) Operator : AHD Qt Meth : 9M_0228.M
Data File: 9M32515.D Sam Mult : 1 Vial# : 3 Qt On : 03/01/11 10:52
Acq On : 03/ 1/11 10:05 Misc : A,BNA Qt Upd On: 02/28/11 14:27

Data Path : G:\GcMsData\2011\GCMS_9\Data\03-01-11\
Qt Path : G:\GCMSDATA\2011\GCMS_9\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Anthracene	9.409	178	850720	97.69	ng	100
86) Di-n-butylphthalate	9.971	149	1116677	107.38	ng	98
87) Fluoranthene	10.661	202	867668	100.62	ng	97
89) Pyrene	10.923	202	875927	102.49	ng	98
90) Benzidine	10.821	184	26123	6.13	ng	93
94) Butylbenzylphthalate	11.714	149	476652	107.25	ng	80
96) 3,3'-Dichlorobenzidine	12.324	252	214568	110.11	ng	99
97) Benzo[a]anthracene	12.340	228	677941	95.94	ng	100
98) Chrysene	12.383	228	672680	99.32	ng	99
99) bis(2-Ethylhexyl)phtha...	12.421	149	645832	109.59	ng	91
101) Di-n-octylphthalate	13.169	149	1070247	96.77	ng	100
102) Benzo[b]fluoranthene	13.554	252	623680	103.05	ng	99
103) Benzo[k]fluoranthene	13.587	252	605819	101.61	ng	99
104) Benzo[a]pyrene	13.891	252	586436	104.16	ng	97
105) Indeno[1,2,3-cd]pyrene	15.111	276	565219	101.36	ng	88
106) Dibenzo[a,h]anthracene	15.132	278	468842	107.34	ng	94
107) Benzo[g,h,i]perylene	15.437	276	482865	104.21	ng	90

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


Abundance
TIC: 9M32515.D\data.ms
Quant Not Reviewed
SampleID : WMB4624(MS)
Data File: 9M32515.D
Acq On : 03/ 1/11 10:05
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_0228.M
Qt On : 03701/11 10:52
Qt Upd On: 02/28/11 14:27
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene T
Time-->
Abundance
TIC: 9M32515.D\data.ms
Isophorone,T
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Hexachlorocyclopentadiene,P
2-Chloronaphthalene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrotoluene,M
Diethylphthalate,T
4,6-Dinitro-2-methylphenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
2,4,6-Tribromophenol,S
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->
Abundance
TIC: 9M32515.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
bis(2-Ethylhexyl)phthalate,T
Chrysene,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form3
Recovery Data
QC Batch: WMB4657

	Data File	Sample ID:	Analysis Date
Spike or Dup:	5M65035.D	WMB4657(MS)	3/4/2011 12:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270 | Matrix: Aqueous | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	5.83	0	100	5.8	1	93
Phenol	1	39.55	0	100	40	32	98
2-Chlorophenol	1	87.28	0	100	87	64	108
1,4-Dichlorobenzene	1	90.28	0	100	90	52	110
2-Methylphenol	1	80.07	0	100	80	58	113
Hexachloroethane	1	90.17	0	100	90	57	116
N-Nitroso-di-n-propylamine	1	93.31	0	100	93	49	118
3&4-Methylphenol	1	73	0	100	73	64	98
Nitrobenzene	1	94.17	0	100	94	80	115
2,4-Dimethylphenol	1	86.78	0	100	87	54	122
1,2,4-Trichlorobenzene	1	85.17	0	100	85	52	120
Naphthalene	1	90	0	100	90	61	116
Hexachlorobutadiene	1	90.07	0	100	90	61	118
4-Chloro-3-methylphenol	1	98.86	0	100	99	71	119
2,4,6-Trichlorophenol	1	95.09	0	100	95	89	124
2,4,5-Trichlorophenol	1	97.72	0	100	98	89	129
Acenaphthene	1	90.74	0	100	91	75	110
2,4-Dinitrotoluene	1	104.94	0	100	105	64	120
4-Nitrophenol	1	41.88	0	100	42	35	116
Fluorene	1	86.45	0	100	86	73	113
Hexachlorobenzene	1	90.54	0	100	91	61	120
Pentachlorophenol	1	97.29	0	100	97	76	140
Pyrene	1	91.81	0	100	92	76	118
Butylbenzylphthalate	1	96.78	0	100	97	66	127

* - Indicates outside of limits

Quantitation Report (Not Reviewed)

SampleID : WMB4657(MS) Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65035.D Sam Mult : 1 Vial# : 3 Qt On : 03/04/11 12:34
Acq On : 03/ 4/11 12:18 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.403	152	79545	40.00	ng	0.00
31) Naphthalene-d8	6.424	136	310429	40.00	ng	0.00
51) Acenaphthene-d10	7.797	164	173321	40.00	ng	0.00
85) Phenanthrene-d10	9.212	188	299455	40.00	ng	0.00
102) Chrysene-d12	12.236	240	235736	40.00	ng	0.00
115) Perylene-d12	13.828	264	203818	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.164	112	169828	64.15	ng	0.00
Spiked Amount 100.000			Recovery = 64.15%			
16) Phenol-d5	5.109	99	169877	46.85	ng	0.00
Spiked Amount 100.000			Recovery = 46.85%			
32) Nitrobenzene-d5	5.863	128	71553	54.05	ng	0.00
Spiked Amount 50.000			Recovery = 108.10%			
56) 2-Fluorobiphenyl	7.241	172	224175	40.20	ng	0.00
Spiked Amount 50.000			Recovery = 80.40%			
88) 2,4,6-Tribromophenol	8.518	330	48067	119.89	ng	0.00
Spiked Amount 100.000			Recovery = 119.89%			
105) Terphenyl-d14	11.007	244	250762	54.58	ng	0.00
Spiked Amount 50.000			Recovery = 109.16%			
Target Compounds						Qvalue
8) Pyridine	2.449	79	21576	5.83	ng	80
9) N-Nitrosodimethylamine	2.348	74	142070	64.66	ng	86
15) bis(2-Chloroethyl)ether	5.184	93	267897	87.84	ng	93
17) Phenol	5.120	94	161816	39.55	ng	91
18) 2-Chlorophenol	5.222	128	240441	87.28	ng	92
20) 3-Chlorophenol	6.488	128	15884	5.93	ng	78
21) 1,3-Dichlorobenzene	5.350	146	264085	89.57	ng	98
22) 1,4-Dichlorobenzene	5.419	146	270594	90.28	ng	98
23) 1,2-Dichlorobenzene	5.542	146	256161	92.19	ng	98
25) bis(2-chloroisopropyl)...	5.644	45	472110	90.45	ng	99
26) 2-Methylphenol	5.633	108	212687	80.07	ng	97
28) Hexachloroethane	5.820	117	113166	90.17	ng	94
29) N-Nitroso-di-n-propyla...	5.751	70	202607	93.31	ng	83
30) 3&4-Methylphenol	5.761	108	206426	73.00	ng	87
33) Nitrobenzene	5.879	77	335603	94.17	ng	93
34) Isophorone	6.076	82	585263	94.52	ng	96
35) 2-Nitrophenol	6.135	139	139472	99.84	ng	92
36) 2,4-Dimethylphenol	6.173	107	253162	86.78	ng	94
37) Benzoic Acid	6.258	105	85175	45.67	ng	94
38) bis(2-Chloroethoxy)met...	6.247	93	331636	90.89	ng	97
39) 2,4-Dichlorophenol	6.322	162	192588	94.08	ng	94
40) 1,2,4-Trichlorobenzene	6.381	180	195778	85.17	ng	99
41) Naphthalene	6.440	128	739581	90.00	ng	99
44) Hexachlorobutadiene	6.536	225	89712	90.07	ng	97
45) Caprolactam	6.846	113	6672	7.58	ng	29
46) 4-Chloro-3-methylphenol	6.846	107	242782	98.86	ng	98
53) Hexachlorocyclopentadiene	7.081	237	50569	58.46	ng	94
54) 2,4,6-Trichlorophenol	7.177	196	125898	95.09	ng	99
55) 2,4,5-Trichlorophenol	7.209	196	141048	97.72	ng	96
58) 2-Chloronaphthalene	7.343	162	425225	88.82	ng	98
59) 3,4-Dichlorophenol	7.343	162	425225	200.04	ng	51
66) Acenaphthylene	7.679	152	680444	84.09	ng	100
67) Dimethylphthalate	7.567	163	511764	95.45	ng	100
68) 2,6-Dinitrotoluene	7.620	165	116911	100.15	ng	80
69) Acenaphthene	7.829	153	453257	90.74	ng	94
71) 2,4-Dinitrophenol	7.850	184	61805	98.14	ng	71
75) 2,4-Dinitrotoluene	7.962	165	160284	104.94	ng	96
76) 4-Nitrophenol	7.909	65	61727	41.88	ng	91
77) 2,3,4,5-Tetrachlorophenol	8.085	232	93497	86.64	ng	98
78) 2,3,4,6-Tetrachlorophenol	8.085	232	93497	96.66	ng	98
79) Fluorene	8.288	166	447885	86.45	ng	97
80) 4-Chlorophenyl-phenyle...	8.288	204	182713	86.46	ng	98
81) Diethylphthalate	8.181	149	532908	95.00	ng	99
82) 4-Nitroaniline	8.288	138	7007	4.62	ng	29
84) Atrazine	9.015	200	15636	11.69	ng	35
86) 4,6-Dinitro-2-methylph...	8.336	198	84210	94.85	ng	31
87) n-Nitrosodiphenylamine	8.395	169	351584	72.64	ng	97
89) 1,2-Diphenylhydrazine	8.438	77	773531	87.74	ng	96
90) 4-Bromophenyl-phenylether	8.758	248	104878	98.10	ng	92
91) Hexachlorobenzene	8.817	284	96170	90.54	ng	96
93) Pentachloronitrobenzene	9.020	237	2633	5.12	ng	79
94) Pentachlorophenol	9.020	266	64294	97.29	ng	94

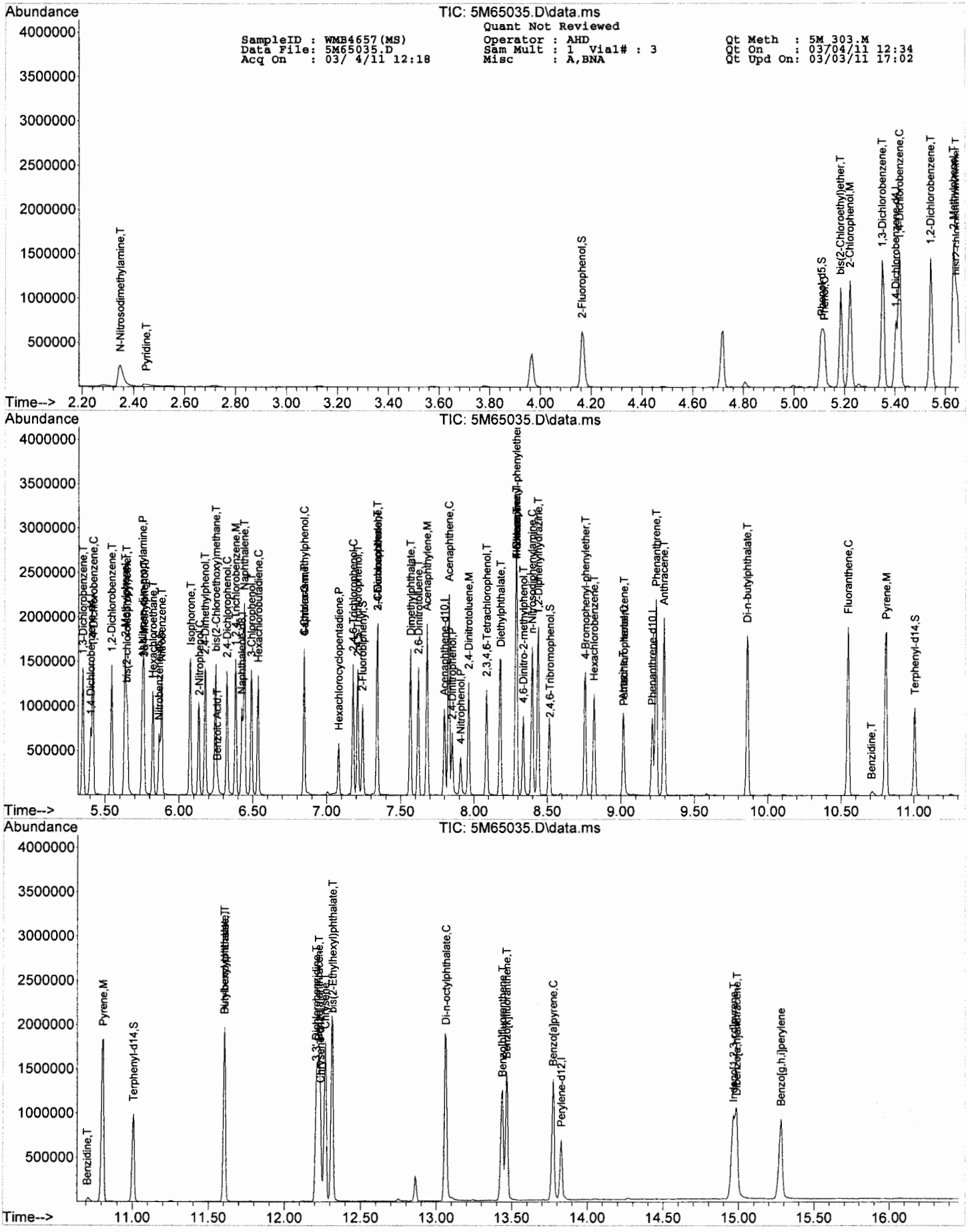
Quantitation Report (Not Reviewed)

SampleID : WMB4657(MS) Operator : AHD Qt Meth : 5M_303.M
Data File: 5M65035.D Sam Mult : 1 Vial# : 3 Qt On : 03/04/11 12:34
Acq On : 03/ 4/11 12:18 Misc : A,BNA Qt Upd On: 03/03/11 17:02

Data Path : G:\GcMsData\2011\GCMS_5\Data\03-04-11\
Qt Path : G:\GCMSDATA\2011\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	Phenanthrene	9.239	178	723928	89.76	ng	99
96)	Anthracene	9.292	178	700656	87.32	ng	99
99)	Di-n-butylphthalate	9.859	149	936904	99.87	ng	99
101)	Fluoranthene	10.548	202	715631	92.28	ng	94
103)	Pyrene	10.810	202	760974	91.81	ng	98
104)	Benzidine	10.708	184	7890	2.26	ng	93
108)	Di-n-hexyl phthalate	11.606	149	433492	40.07	ng	100
109)	Butylbenzylphthalate	11.606	149	433607	96.78	ng	89
111)	3,3'-Dichlorobenzidine	12.209	252	188900	106.04	ng	97
112)	Benzo[a]anthracene	12.225	228	557488	84.84	ng	99
113)	Chrysene	12.268	228	588893	88.71	ng	99
114)	bis(2-Ethylhexyl)phtha...	12.316	149	599547	98.84	ng	99
116)	Di-n-octylphthalate	13.064	149	1042045	109.10	ng	99
117)	Benzo[b]fluoranthene	13.438	252	549737	101.53	ng	98
118)	Benzo[k]fluoranthene	13.465	252	478320	82.55	ng	98
119)	Benzo[a]pyrene	13.775	252	492558	91.59	ng	97
120)	Indeno[1,2,3-cd]pyrene	14.966	276	486929	97.51	ng	78
121)	Dibenzo[a,h]anthracene	14.987	278	413390	101.27	ng	92
122)	Benzo[g,h,i]perylene	15.281	276	421781	97.47	ng	91

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


Abundance
TIC: 5M65035.D\data.ms
Quant Not Reviewed
SampleID : WMB4657(MS)
Data File: 5M65035.D
Acq On : 03/ 4/11 12:18
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_303.M
Qt On : 03/04/11 12:34
Qt Upd On: 03/03/11 17:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,2-Dichlorobenzene,T
Time-->

Abundance
TIC: 5M65035.D\data.ms
Hexachlorocyclopentadiene,P
Isophorone,T
Benzoic Acid,T
Naphthalene,C
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4-Dinitrotoluene,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Nitrophenol,P
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Phenanthrene,T
Anthracene,T
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Time-->

Abundance
TIC: 5M65035.D\data.ms
Benzidine,T
Pyrene,M
Terphenyl-d14,S
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

SPLP
GC/MS Semi-Volatile Data
Logbook Data

0469

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 02/10/2011 **Finish Date:** 2/11/11

**TCLP Ext. Fluid #1 pH: 4.91 (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: D.I. 4.57 (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

	Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC	57100-001	—	—	11.15	D.I.	2L	10:00	10:00	CJA/JS	SP	
AC	57098-001	—	—	10.76	↓	↓	↓	↓	↓	↓	
	DI-blank	4.57	—	5.44	↓	↓	↓	↓	↓	↓	
	57214-003	5.75	1.78	4.88	EF-1 107674	100g/2L	1600	1000	JS	T	
	EF-1-107674	—	—	4.88	↓	2L	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI = 6.92

Start Date: 2/14/10 **Finish Date:** 2/15/11

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC57198-001	11.52	1.79	11.58	EF-1 1076074	150g/3L	14:00	0800	JC	T	organics and metals
AC57236-010	6.65	2.01	4.91	↓	100g/2L				↓	organics
AC5720-001	6.74	—	5.15	SPLP Fluid 1060794					P	
AC57141-001	5.85	—	6.41	↓						
SPLP Fluid 1060794	~~5.84~~ DI 6.92	4.15	5.08	—	↓	↓	↓	↓	↓	↓
57098-0085	—	—	10.37	~~DI~~	1 man/2L	1130		JS	P	
57100-0056	—	—	10.72	↓	↓	↓		↓	↓	
DI Blank	—	—	6.33	↓	2L	↓		↓	↓	
EF-1 1076074	4.88	—	4.88	—	3L	14:00	↓	JC	T	organics and metals

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0471

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 2/19/11 ~~20~~ 11

Finish Date: 2/20/11

DI 7.27

**TCLP Ext. Fluid #1 pH: _____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
JPC 2/19/11 57098-010	—		10.26	DI Blank 2/20	100gm / 2000ml	~~12:25~~	~~12:25~~	JPC	P	
DI 2/19 ~~57098-011~~ 57100-011	—		10.30	↓	↓	↓	↓	↓	↓	
DI Blank	—		8.16	↓	2000ml	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0472

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI. 7.04
TCLP EF-1 = 4.97

Start Date: 2/24/11 Finish Date: 2/25/11

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC57396-001	8.82	—	9.91	SPLP Fluid 109139	100g/2L	16:00	~~16:00~~ 10:00 JC	JC	P	Organics only
AC57396-002	7.51	—	~~7.95~~	↓	↓	↓	10:00	↓	↓	↓
SPLP Fluid 109139	4.02	—	9.84	↓					↓	
AC57379-001	8.18	1.77	4.94	EF-1 108537					T	Metals only
EF-1 108537	4.97	—	4.91	↓	↓	↓	↓	↓	↓	↓
57098-015	—	—	10:30	DI Blk 2/25/11	1 mon/ 2000	1330	13:40	JS	P	
57100-016	—	—	10.67	↓	1 mon/2000	↓	↓	↓	↓	
DI Blank	—	—	5.50	↓	2000	↓	JC 2/24/11	↓	↓	
AC57359-002	8.32	— JC	9.94	SPLP Fluid 109139	100g/2L	16:00	~~10:00~~	~~JS~~ JC 2/24/11	P	Organics only
AC57330-003	12.21	3.10	2/24/11 6.82	EF-2 109145	↓	↓	10:00	↓	T	Metals and Organics
EF-2 109145	4.84	—	2.99	↓	2L	↓	↓	↓	T	↓

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

0473

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI H_2O = 7.45

Start Date: 3/1/11 **Finish Date:** 3/2/11

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
57098-020	—	—	10.13	3 3/2/11	1mon/2000	1450	1450	JS	T	
57100-020	—	—	10.24	↓	↓	↓	↓	↓	↓	
DI 3/2/11	—	—	7.10	↓	2000	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

5168

QC4536

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/15/2011
Blank Spike (MBS): _____ Matrix Spike: 4536

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4536	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3 V-1014 (2/11/11)
MBS 4536	x	↓	↓		↓			↓	-001	1
MS57098-001	x	500.0mL	0.5mL				1/2 spk; 1/2 surr			2
MSD57098-001	x	↓	↓				↓		1	1
AC57098-001	1	1000.0mL	1.0mL						2	2
AC57100-001	2	↓	↓							EF3 V-1014 (2/12/11) (1)
EF3 V-1014 (2/11/11)	X								3	2
AC57098-002	3								4	EF-3 V-1014 (2/13/11)
AC57100-003	4								5	1
EF3 V-1014 (2/12/11)	x								6	2
AC57098-003	5									EF3 V-1014 (2/14/11)
AC57100-004	6								7	1
EF3 V-1014 (2/13/11)	X									
AC57098-004	7						AC57100-005		8	2
AC57100-005	8									
EF3 V-1014 (2/14/11)	x	↓	↓		↓			↓		

(FOR MONOLITH SAMPLES ONLY)

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	ACID COMP
↓	↓	V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5578 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/15/2011
Received By: CJ Date: 02/16/11

QC4557

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/17/2011
Blank Spike (MBS): _____ Matrix Spike: 4536

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4557	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3
MBS 4557	X	↓	↓		↓			↓	-001	V-1014
AC 57098-005	9								9	(2/15/11) (1)
AC 57100-006	10								10	2
EF3 V-1014 (2/15/11)	X									EF3 V-1014
AC 57098-006	11								11	(2/16/11) (1)
AC 57100-007	12								12	2
EF3 V-1014 (2/16/11)	X									EF3 V-1014
AC 57098-007	13								13	(2/17/11) (1)
AC 57100-008	14								14	2
EF3 V-1014 (2/17/11)	X									

(FOR MONOLITH ONLY)

MBS failed

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	ACID COMP
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5578 Acetone _____ Hexane _____ Na2SO4 V 5525

Other _____

Relinquished By: ABM Date: 02/17/11
Received By: _____ Date: 02/18/11

QC4565

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____
Blank Spike (MBS): _____

Date: 02/20/2011
Matrix Spike: ~~4546~~ 4536
P 02/22

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4565	x	1000.0mL	1.0mL		x			ABM		
MBS 4565	x	↓	↓		↓			↓		
AC57098-005	R	500.0mL	0.5mL		↓		½ SURR	↓		
AC57098-006	↓	↓	↓		↓		↓	↓		
AC57098-007	↓	↓	↓		↓		↓	↓		
AC57100-006	↓	↓	↓		↓		↓	↓		
AC57100-007	↓	↓	↓		↓		↓	↓		
AC57100-008	↓	↓	↓		↓		↓	↓		
Ef3 V-1014 (2/15/11)	↓	↓	↓		↓		↓	↓		
Ef3 V-1014 (2/16/11)	↓	↓	↓		↓		↓	↓		
Ef3 V-1014 (2/17/11)	↓	↓	↓		↓		↓	↓		
AC57272-004	↓	980.0mL	1.0mL		↓		↓	↓		
AC57262-007	↓	1000.0mL	↓	X			↓	↓		

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	ACID Comp
↓	↓	V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/20/2011
Received By: Jls Date: 02/22/11

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/23/2011

Blank Spike (MBS): _____ Matrix Spike: 4536; 4585

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4585	X	1000.0mL	1.0mL		X			ABM	AC57098-001	EF3 V-1014 (2/18/11) (1)
MBS4585	X	↓	↓		↓			↓	15	2
AC 57098-008	15								16	EF-3 V-1014 (2/19/11) (1)
AC 57100-009	16								17	2
EF3 V-1014 (2/18/11)	X								18	EF-3 V-1014 (2/21/11) (1)
AC 57098-009	17								19	2
AC57100-010	18								20	EF3 V-1014 (2/20/11)
EF-3 V-1014 (2/19/11)	X								AC57098-010	1
AC 57098-011	19								1	2
AC 57100-012	20								2	
EF3 V-1014 (2/21/11)	X									
MSAC57098-010	X	500.0mL	0.5mL				½ SURR			
MSDAC57098-010	X	↓	↓				↓			
AC57098-010	1									
AC 57100-011	2	1000.0mL	1.0mL							
EF3 V-1014 (2/20/11)	X	↓	↓							

(FOR MONOLITH SAMPLES ONLY)

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
↓	↓	V-5577	ACID COMP
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/23/2011

Received By: JLS Date: 02/24/11

QC4624

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 02/28/2011
Blank Spike (MBS): _____ Matrix Spike: 4585

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB4624	X	1000.0mL	1.0mL		X			ABM	AC57098	EF3 V-1014
MBS4624	X								-010	(2/22/11)
AC57098-012	3								3	1
AC57100-013	4								4	2
EF3 V-1014 (2/22/11)	X								EF3 V-1014 (2/23/11)	
AC57098-013	5								5	1
AC57100-014	6								6	2
EF3 V-1014 (2/23/11)	X								EF-3 V-1014 (2/24/11)	
AC57098-014	7								7	1
AC57100-015	8								8	2
EF3 V-1014 (2/24/11)	X								EF3 V-1014 (2/25/11)	
AC57098-015	9								9	1
AC57100-016	10								10	2
EF3 V-1014 (2/25/11)	X									

(FOR MONOLITH SAMPLES ONLY)

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5576	BN SPK
		V-5577	ACID COMP
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-915	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 02/28/2011
Received By: JLS Date: 02/03/01/11

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QC4657

Hampton-Clarke/Veritech

Extraction of Semi-volatile - Aqueous
Method 3510 C

Method Blank No. WMB- _____ Date: 03|03|2011

Blank Spike (MBS): _____ Matrix Spike: 4585

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Extracted By/ Comments	Ext. by	TCLP QC	Extract Fluid
				BN	BNA	AE				
MB 4657	X	1000.0mL	1.0mL		X			ABM	AC57098-010	EF3 V-1014 (2|26|11)
MBS 4657	X								11	1
AC57098-016	11								12	2
AC57100-017	12								EF3 V-1014 (2|27|11)	
EF3 V-1014 (2|26|11)	X								13	1
AC57098-017	13								14	2
AC57100-018	14								EF3 V-1014 (2|28|11)	
EF3 V-1014 (2|27|11)	X								15	1
AC57098-018	15								16	2
AC57100-019	16								EF3 V-1014 (3|1|11)	
EF3 V-1014 (2|28|11)	X								17	1
AC57098-019	17								18	2
AC57100-020	18								EF3 V-1014 (3|2|11)	
EF3 V-1014 (3|1|11)	X								19	1
AC57098-020	19								20	2
AC57100-021	20									
EF3 V-1014 (3|2|11)	X									

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V-5334	BN SPK
		V-5577	ACID Comp
		V-99837	PYRIDINE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000|2000	V-91587	BN SURR

Reagent Lots: MeCl2 V-5596 Acetone _____ Hexane _____ Na2SO4 V-5525

Other _____

Relinquished By: ABM Date: 03|03|11

Received By: _____ Date: 03|04|4

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RUN LOG

1-1-5M64598

Instrument: GCMS_5 Year: 0480
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64598.	CAL DFTPP	Ed1=4.2;Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:20
5M64599.	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:44
5M64600.	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:07
5M64601.	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:30
5M64602.	CAL BNA@120PPM		OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 10:54
5M64603.	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:18
5M64604.	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:42
5M64605.	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 12:06
5M64606.	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:30
5M64607.	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 12:53
5M64608.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:17
5M64609.	CAL BNA@25PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:40
5M64610.	CAL BNA@30PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 14:04
5M64611.	ICV BNA@50PPM	Ivo	OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:35
5M64612.	WMB4476(MS)		OK WMB4476	JB		Aqueous	1	1	625 8270	02/09 15:12
5M64613.	WMB4476		OK	JB		Aqueous	1	1	625 8270	02/09 15:35
5M64614.	AC57151-001	Sb6	RE-EXTRACT	JB	BN15-625	Aqueous	1	1	625	02/09 15:58
5M64615.	AC57156-001		OK	JB	BN15-625	Aqueous	1	1	625	02/09 16:22
5M64616.	AC57151-003		OK	JB	BN15-625	Aqueous	1	1	625	02/09 16:45
5M64617.	AC57156-002		OK	JB	BN15-625	Aqueous	1	1	625	02/09 17:09
5M64618.	MLCL2-TEST		OK	JB		Aqueous	1	1	625 8270	02/09 17:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20. . not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for epb
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmd.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning .ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/aval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/updates modcheckprepruns	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M64711

Instrument: GCMS_5 Year:0481
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64711.	CAL DFTPP	Ed1=4.2:Oc	OK, V-104760	JB		Aqueous	1	1		02/16 09:14
5M64712.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/16 09:50
5M64713.	WMB4536		OK	JB		Aqueous	1	1	625 8270	02/16 10:16
5M64714.	WMB4536(MS)		OK WMB4536	JB		Aqueous	1	1	625 8270	02/16 10:40
5M64715.	AC57098-001(T)		OK WMB4536	JB	BNASPLP-82	Aqueous	1	1	8270	02/16 11:08
5M64716.	AC57098-001(T)(MS)		OK WMB4536	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/16 11:32
5M64717.	AC57098-001(T)(MSD)	R18	OK WMB4536	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/16 11:55
5M64718.	AC57098-002(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/16 12:19
5M64719.	AC57098-003(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/16 12:43
5M64720.	WMB4538(MS)		OK WMB4538	JB		Aqueous	1	1	625 8270	02/16 13:07
5M64721.	WMB4538		OK	JB		Aqueous	1	1	625 8270	02/16 13:30
5M64722.	AC57098-004(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/16 13:54
5M64723.	AC57277-001(10X)		RR 5X	JB	BNA-8270	Aqueous	10	10	8270	02/16 14:17
5M64724.	AC57224-006(10X)(R)		FOR CONFIRMATION	AHD	BNA25-625	Aqueous	10	10	625	02/16 14:41
5M64725.	AC57277-001(5X)		OK	AHD	BNA-8270	Aqueous	5	5	8270	02/16 15:04
5M64726.	AC57273-001		OK	AHD	BN-PAMOW8	Aqueous	1	1	8270	02/16 15:28
5M64727.	AC57274-001	Sa6Sa8	ON HOLD	AHD	ERROR	Aqueous	1	1	625 8270	02/16 15:52
5M64728.	AC57232-010		OK	AHD	BNA-8270	Aqueous	1	1	8270	02/16 16:16
5M64729.	AC57242-001(MS)		OK WMB4538	AHD	BNA-8270	Aqueous	1	1	625 8270	02/16 16:39
5M64730.	AC57242-001(MSD)	Ao	RR	AHD	BNA-8270	Aqueous	1	1	625 8270	02/16 17:15
5M64731.	AC57242-001	Ao	RR	AHD	BNA-8270	Aqueous	1	1	8270	02/16 17:39
5M64732.	AC57242-002	Ao	RR	AHD	BNA-8270	Aqueous	1	1	8270	02/16 18:03
5M64733.	AC57246-005	Sa6Sa8Ao	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 18:27
5M64734.	AC57274-001	Sa6Sa8Ao	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 18:50
5M64735.	AC57232-010	Ao	RR	AHD	BNA-8270	Aqueous	1	1	8270	02/16 19:13
5M64736.	AC57100-001(T)	Ao	RR	AHD	BNASPLP-82	Aqueous	1	1	8270	02/16 19:37
5M64737.	AC57100-003(T)	AoEsm	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 20:01
5M64738.	AC57100-004(T)	AoEsm	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 20:25
5M64739.	AC57100-005(T)	AoEsm	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/16 20:48
5M64740.	EF-3 V-1014(02/11)	Ao	RR	AHD		Aqueous	1	2	8270	02/16 21:11
5M64741.	EF-3 V-1014(02/12)	Ti8Ao	RR	AHD		Aqueous	1	2	8270	02/16 21:35
5M64742.	EF-3 V-1014(02/13)	Ti8Ao	RR	AHD		Aqueous	1	2	8270	02/16 21:58
5M64743.	EF-3 V-1014(02/14)	Ti8Ao	RR	AHD		Aqueous	1	2	8270	02/16 22:22
5M64744.	AC57251-004	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 22:46
5M64745.	AC57251-005	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 23:09
5M64746.	AC57251-006	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 23:33
5M64747.	AC57251-008	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/16 23:57
5M64748.	AC57239-001		OK	AHD	BN15-625	Aqueous	1	1	625	02/17 00:20
5M64749.	AC57239-002	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 00:43
5M64750.	AC57239-003	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 01:07
5M64751.	AC57239-004	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 01:30
5M64752.	AC57226-001	Ao	RR	AHD	BN15-625	Aqueous	1	1	625	02/17 01:53
5M64753.	AC57226-002		OK	AHD	BN15-625	Aqueous	1	1	625	02/17 02:17
5M64754.	AC57259-012	Ti8Ao	RR	AHD	ERROR	Aqueous	1	1	625 8270	02/17 02:40

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for epb
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/pndates modcheckprepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

1-1-5M64791

RUN LOG

Instrument: GCMS_5 Year: 0482
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64791.	CAL DFTPP	Ed1=3,6:Oc	OK, V-104760	JB		Aqueous	1	1		02/22 07:27
5M64792.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/22 07:57
5M64793.	WMB4565		OK	JB		Aqueous	1	1	625 8270	02/22 08:38
5M64794.	WMB4565(MS)		OK WMB4565	JB		Aqueous	1	1	625 8270	02/22 09:02
5M64795.	WMB4567(MS)		OK WMB4567	JB		Aqueous	1	1	625 8270	02/22 09:25
5M64796.	WMB4567		OK	JB		Aqueous	1	1	625 8270	02/22 09:49
5M64797.	AC57285-005		OK WMB4567	JB	BN15-625	Aqueous	1	1	625	02/22 10:12
5M64798.	AC57285-005(MS)		OK WMB4567	JB	BN15-625	Aqueous	1	1	625 8270	02/22 10:36
5M64799.	AC57285-005(MSD)		OK WMB4567	JB	BN15-625	Aqueous	1	1	625 8270	02/22 10:59
5M64800.	AC57285-010(5X)		RR 3X	JB	BN15-625	Aqueous	5	5	625	02/22 11:22
5M64801.	AC57285-004		RR	JB	BN15-625	Aqueous	1	1	625	02/22 11:46
5M64802.	AC57285-007		OK	JB	BN15-625	Aqueous	1	1	625	02/22 12:09
5M64803.	AC57285-008		OK	JB	BN15-625	Aqueous	1	1	625	02/22 12:33
5M64804.	WMB4569(MS)		OK WMB4569	JB		Aqueous	1	1	625 8270	02/22 12:56
5M64805.	WMB4569		OK	JB		Aqueous	1	1	625 8270	02/22 13:20
5M64806.	AC57306-002		OK WMB4569	JB	BNA25-625	Aqueous	1	1	625	02/22 13:43
5M64807.	AC57306-003(MS:AC5				BNA25-625	Aqueous	1	1	625 8270	02/22 14:07
5M64808.	AC57306-004(MSD:AC				BNA25-625	Aqueous	1	1	625 8270	02/22 14:30
5M64809.	AC57285-009				BN15-625	Aqueous	1	1	625	02/22 14:54
5M64810.	AC57285-003				BN15-625	Aqueous	1	1	625	02/22 15:18
5M64813.	AC57290-004	Sb6Oc			BN15-625	Aqueous	1	1	625	02/22 16:29

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missino
B8m	Blank 8000 series missino
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Endino Cal missino for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checkino Prep/rundates modcheckprepruna
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missino/Not check'd
Etn	Tnln/Solvent Extraction Date Missino/Nnt check'd
Eto	Tnln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calrpt.csv for init calibration chek rfs
Iw	Initial cal warnino. Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a samol
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warnino Compound(s) Over Calibration
Co	Warnino Possible Carry Over
CRN	Warnino c30/c20... not checked
Cro	C30/C20 failed for enh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missino ddt or endrin
R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Rn	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_5 Year: 04483
Analyst: AHD

1-1-5M64835

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64835.	CAL DFTPP	Ed1=3.1:Oc	OK, V-104760	JB		Aqueous	1	1		02/24 07:39
5M64836.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/24 09:54
5M64837.	WMB4585(MS)		OK WMB4585	JB		Aqueous	1	1	625 8270	02/24 10:18
5M64838.	WMB4585		OK	JB		Aqueous	1	1	625 8270	02/24 10:42
5M64839.	AC57098-010(T)	Eto	OK WMB4585	JB	BNASPLP-82	Aqueous	1	1	8270	02/24 11:05
5M64840.	AC57098-010(T)(MS)	Eto	OK WMB4585	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/24 11:28
5M64841.	AC57098-010(T)(MSD)	EtoR18	OK WMB4585	JB	BNASPLP-82	Aqueous	1	1	625 8270	02/24 11:52
5M64842.	AC57098-008(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/24 12:15
5M64843.	AC57098-009(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/24 12:39
5M64844.	AC57098-011(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	02/24 13:03
5M64845.	AC57100-011(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	02/24 13:26
5M64846.	WMB4595(MS)		OK WMB4595	JB		Aqueous	1	1	625 8270	02/24 13:50
5M64847.	WMB4595		OK	JB		Aqueous	1	1	625 8270	02/24 14:13
5M64848.	AC57252-002(T)		OK	JB	BN-SPLP-827	Aqueous	1	1	8270	02/24 14:37
5M64849.	AC57100-012(T)	Esm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/24 15:01
5M64850.	EF-3 V-1014(02/18)		OK	JB		Aqueous	1	2	8270	02/24 15:24
5M64851.	EF-3 V-1014(02/19)		OK	JB		Aqueous	1	2	8270	02/24 15:48
5M64852.	EF-3 V-1014(02/20)		OK	JB		Aqueous	1	2	8270	02/24 16:11
5M64853.	EF-3 V-1014(02/21)		OK	JB		Aqueous	1	2	8270	02/24 16:35
5M64854.	AC57263-001(T)		OK WMB4595	JB	BNATCLP-82	Aqueous	1	1	8270	02/24 16:59
5M64855.	AC57263-001(T)(MS)	Sb6Sb8	OK WMB4595	JB	BNATCLP-82	Aqueous	1	1	625 8270	02/24 17:22
5M64856.	AC57263-001(T)(MSD)		OK WMB4595	JB	BNATCLP-82	Aqueous	1	1	625 8270	02/24 17:46
5M64857.	AC57382-002(10X)		RR 5X	JB	BN15-8270	Aqueous	10	10	8270	02/24 18:09
5M64858.	AC57228-003(T)	Eo	OK	JB	BN-8270	Aqueous	1	1	8270	02/24 18:32
5M64859.	AC57212-002(T)	Eo	OK	JB	BN-8270	Aqueous	1	1	8270	02/24 18:55
5M64860.	EF-SPLP V-106794(02/		OK	JB		Aqueous	1	2	8270	02/24 19:19
5M64861.	EF-1 V-108537(02/23)	Ti8	RR	JB		Aqueous	1	2	8270	02/24 19:42
5M64862.	AC57332-001(R)		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 20:06
5M64863.	AC57374-001		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 20:29
5M64864.	AC57374-002		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 20:52
5M64865.	AC57374-003		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 21:16
5M64866.	AC57374-004	Oc	RR 3X	JB	BNA25-625	Aqueous	1	1	625	02/24 21:39
5M64867.	AC57374-005		OK	JB	BNA25-625	Aqueous	1	1	625	02/24 22:02
5M64868.	AC57374-006		RR	JB	BNA25-625	Aqueous	1	1	625	02/24 22:25

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for aoh
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evm	Eval Mix missing drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 sedes failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rls	S6	600 series surrogate out
Cme	Endion Cal missing for sample (8000 series)	Iw	initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked (for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Snike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Snike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Snike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/pndates modcheckprepround	Mnc	Snike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M64932

Instrument: GCMS_5 Year:0484
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64932.	CAL DFTPP	Ed1=3,6:Oc	OK, V-104760	JB		Aqueous	1	1		03/01 09:14
5M64933.	CAL BNA@50PPM	C16	OK, V-107805	JB		Aqueous	1	1	625 8270	03/01 09:38
5M64934.	WMB4624	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	03/01 10:06
5M64935.	AC57098-012(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 10:29
5M64936.	AC57098-013(T)	C6fSa6Sa8Esm	RE-EXTRACT	JB	ERROR	Aqueous	1	1	625 8270	03/01 10:53
5M64937.	AC57098-014(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 11:17
5M64938.	AC57098-015(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/01 11:41
5M64939.	AC57100-013(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 12:04
5M64940.	AC57100-014(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	03/01 12:28
5M64941.	AC57100-015(T)	C6fSa6Sa8Esm	RE-EXTRACT	JB	ERROR	Aqueous	1	1	625 8270	03/01 12:51
5M64942.	AC57100-016(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/01 13:15
5M64943.	AC57330-003(T)		OK	JB	BNATCLP-82	Aqueous	1	1	8270	03/01 13:39
5M64944.	EF-2 V-109145(02/25)		OK	JB		Aqueous	1	2	8270	03/01 14:03
5M64945.	EF-3 V-1014(02/22)		OK	JB		Aqueous	1	2	8270	03/01 14:26
5M64946.	EF-3 V-1014(02/23)		OK	JB		Aqueous	1	2	8270	03/01 14:50
5M64947.	EF-3 V-1014(02/24)		OK	AHD		Aqueous	1	2	8270	03/01 15:14
5M64948.	EF-3 V-1014(02/25)		OK	AHD		Aqueous	1	2	8270	03/01 15:38
5M64949.	WMB4625	C6f	OK FOR 8270 METHOD	AHD		Aqueous	1	1	625 8270	03/01 16:02
5M64950.	SMB4620	Sa8	RR	JB		Soil	1	1	8270	03/01 16:25
5M64951.	AC57446-009		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 16:49
5M64952.	AC57446-011		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 17:12
5M64953.	AC57446-013		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 17:36
5M64954.	AC57446-020		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 18:00
5M64955.	AC57446-003		OK	AHD	BNA-8270	Aqueous	1	1	8270	03/01 18:24
5M64956.	AC57487-011		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 18:47
5M64957.	AC57487-013		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 19:11
5M64958.	AC57487-003		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 19:34
5M64959.	AC57487-007		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 19:58
5M64960.	TEST-1	C6f				Aqueous	1	1	625 8270	03/01 20:21
5M64961.	TEST-2(G)	C6f				Aqueous	1	1	625 8270	03/01 20:44

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/rundates modcheckprepound
En	Eval Time Not Checked

Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tclp/Solvent Extraction Date Missing/Not check'd
Eto	Tclp Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16.I26	Initial cal 600 series failed Column 1 and or 2
I18.I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Pmb with calmd.csv for init calibration chek rfs
Iw	Initial cal warning..ini cal file <> method..
Ix	Initial Cal Files Not Updated Properly for a samol
M16 M26	Spike Out Col 1 and or Col 2 600 series
M16a M16b	Spike Out Col 1 600 series Acid and or BN
M18 M28	Spike Out Col 1 and or Col 2 8000 series
M18a M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration

Co	Warning Possible Carry Over
CRN	Warning c30/c20... not checked
Cro	C30/C20 failed for eoh
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evro	Eval Mix missing ddt or endrin
R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M64979

Instrument: GCMS_5 Year: 0485
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M64979.	CAL DFTPP	Ed1=3.5:Oc	OK, V-104760	JB		Aqueous	1	1		03/03 09:17
5M64980.	CAL BNA@50PPM	C16	RR	JB		Aqueous	1	1	625 8270	03/03 09:47
5M64981.	CAL BNA@2PPM	C16C18	RR	JB		Aqueous	1	1	625 8270	03/03 10:16
5M64982.	CAL BNA@.5PPM		OK, V-109740	JB		Aqueous	1	1	625 8270	03/03 10:40
5M64983.	CAL BNA@10PPM	IsC16C18	RR	JB		Aqueous	1	1	625 8270	03/03 11:04
5M64984.	CAL BNA@20PPM		OK, V-109732	JB		Aqueous	1	1	625 8270	03/03 11:28
5M64985.	CAL BNA@80PPM		OK, V-109734	JB		Aqueous	1	1	625 8270	03/03 11:52
5M64986.	CAL BNA@120PPM		OK, V-109735	JB		Aqueous	1	1	625 8270	03/03 12:16
5M64987.	CAL BNA@160PPM	Oc	OK, V-109736	JB		Aqueous	1	1	625 8270	03/03 12:40
5M64988.	CAL BNA@196PPM	Oc	OK, V-109737	JB		Aqueous	1	1	625 8270	03/03 13:04
5M64989.	CAL BNA@50PPM		OK, V-109733	JB		Aqueous	1	1	625 8270	03/03 13:27
5M64990.	CAL BNA@2PPM		OK, V-109739	JB		Aqueous	1	1	625 8270	03/03 16:15
5M64991.	CAL BNA@10PPM		OK, V-109731	JB		Aqueous	1	1	625 8270	03/03 16:38
5M64992.	ICV BNA@50PPM	Is	OK, V-109742	JB		Aqueous	1	1	625 8270	03/03 17:06

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for ooh
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing dat or endrip
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missing for sample (8000 series)	Iw	Initial cal warning .loi cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1n.D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/sundates modcheckprepsundat	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-5M65029

Instrument: GCMS_5 Year: 0486
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M65029.	CAL DFTPP	Ed1=4.2:Oc	OK,V-104760	JB		Aqueous	1	1		03/04 09:54
5M65030.	CAL BNA@50PPM		OK,V-109733	JB		Aqueous	1	1	625 8270	03/04 10:17
5M65031.	WMB4657(MS)		RR WMB4657	JB		Aqueous	1	1	625 8270	03/04 10:43
5M65032.	WMB4657		OK	JB		Aqueous	1	1	625 8270	03/04 11:08
5M65033.	SMB4643		OK	JB		Soil	1	1	8270	03/04 11:31
5M65034.	AC57497-004		OK	JB	BNA25-8270	Soil	1	1	8270	03/04 11:55
5M65035.	WMB4657(MS)		OK WMB4657	JB		Aqueous	1	1	625 8270	03/04 12:18
5M65036.	AC57497-014		OK	JB	BNA25-8270	Soil	1	1	8270	03/04 12:42
5M65037.	AC57497-013(3X)	Sd	RR	JB	BNA25-8270	Soil	3	3	8270	03/04 13:05
5M65038.	SMB4662(MS)		OK SMB4662	JB		Soil	1	1	8270	03/04 13:29
5M65039.	SMB4662		OK	JB		Soil	1	1	8270	03/04 13:53
5M65040.	AC57526-001		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 14:16
5M65041.	AC57526-002		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 14:39
5M65042.	AC57526-003		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 15:03
5M65043.	AC57526-004		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 15:26
5M65044.	AC57526-005		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 15:50
5M65045.	AC57526-006		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 16:14
5M65046.	AC57526-007		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 16:37
5M65047.	AC57497-006(2X)		OK	JB	BNA25-8270	Soil	2	2	8270	03/04 17:01
5M65048.	AC57507-005(15X)		OK	JB	BNA25-8270	Soil	15	15	8270	03/04 17:25
5M65049.	AC57391-012(10X)		OK	JB	BN-8270	Soil	10	10	8270	03/04 17:49
5M65050.	AC57500-001(3X)		OK	JB	BNA25-8270	Soil	3	3	8270	03/04 18:12
5M65051.	AC57527-001		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 18:35
5M65052.	WMB4661		OK	JB		Aqueous	1	1	625 8270	03/04 18:59
5M65053.	AC57481-006(R)		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/04 19:22
5M65054.	AC57417-002(R)	Sa8Sb8	SURRO. CONFIRMED	JB	BNA25-8270	Aqueous	1	1	8270	03/04 19:46
5M65055.	AC57494-002(R)		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/04 20:09
5M65056.	AC57527-002		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 20:33
5M65057.	AC57527-003		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 20:56
5M65058.	AC57527-004		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 21:19
5M65059.	AC57527-005		OK	JB	BNPAH-8270	Soil	1	1	8270	03/04 21:43

Anc	Area Not Checked		Eo	Extraction Performed Past Hold		Co	Warning Possible Carry Over			
Ao	Area Out		Esm	Solvent Extraction Date Missing/Not check'd		CRN	Warning c30/c20 ... not checked			
B6m	Blank 600 series missing		Etn	Tdn/Solvent Extraction Date Missing/Not check'd		Cro	C30/C20 failed for eob			
B8m	Blank 8000 series missing		Etn	Tdn Extraction Performed Outside of Hold		EvF	Eval Mix Failed			
Bnf	Blank Not Found/Assigned		Ev	Eval Time Exceeded		Evnc	Eval Mix Not Checked			
C16	Calibration Column 1 Out (600 Series)		Hb	Analysis Before Collection Date		Evro	Eval Mix missing ddt or endrin			
C18	Calibration Column 1 Out (8000 Series)		Ho	Sample Analyzed outside of hold time		R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series			
C26	Calibration Column 2 Out (600 Series)		I16 I26	Initial cal 600 series failed Column 1 and or 2		R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series			
C28	Calibration Column 2 Out (8000 Series)		I18 I28	Initial cal 8000 series failed Column 1 and or 2		Ro	Retention Time Out Or %Diff Out			
C6f	600 series sample/blank did not have passing cal		Is	Initial Cal Not Checked		Rtn	Can't Calculate Drift			
C8f	8000 series sample/blank did not have passing cal		Iv	Prob with calrpt.csv for init calibration chek.rds		S6	600 series surrogate out			
Cme	Ending Cal missing for sample (8000 series)		Iw	Initial cal warning. Ini.cal file <> method		S8	8000 series surrogate out			
Cn	Calibration Not Checked for sample/blank/eval		Ix	Initial Cal Files Not Updated Properly for a samp		Sa6.Sb6	Acid and or BN Surrogate Out (600 series)			
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals		M16.M28	Spike Out Col 1 and or Col 2 600 series		Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)			
Dnc	Drift Not Checked		M16a.M16b	Spike Out Col 1 600 series Acid and or BN		Sd	Surrogate Diluted Out			
Do	Drift Out		M16.M28	Spike Out Col 1 and or Col 2 8000 series		Snc	Surrogate Not Checked			
Eba	An Extraction Before Collection Date		M16a.M16b	Spike Out Col 1 8000 series Acid and or BN		Ti5	Outside of 500 series Tune time			
Emp	Problem Checking Prep/nuodates modcheckprepound		Mnc	Spike Not Checked for this ms/msd		Ti6	Outside of 600 series Tune time/Cal Time			
En	Eval Time Not Checked		Oc	Warning Compound(s) Over Calibration		Ti8	Outside of 8000 series Tune time/Cal Time			

RUN LOG

Instrument: GCMS_9 Year: 00487
Analyst: AHD

1-1-9M32186

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32186.	CAL DFTPP	Ed1=3.3:Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:29
9M32187.	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:52
9M32188.	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:15
9M32189.	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:38
9M32190.	CAL BNA@120PPM	Oc	OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 11:05
9M32191.	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:28
9M32192.	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:51
9M32193.	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 12:14
9M32194.	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:37
9M32195.	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 13:00
9M32196.	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:26
9M32197.	BNA@25PPM		TEST	JB		Aqueous	1	1	625 8270	02/09 13:49
9M32198.	BNA@30PPM		TEST	JB		Aqueous	1	1	625 8270	02/09 14:12
9M32199.	ICV BNA@50PPM	Ivo	OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:36
9M32200.	SMB4479		OK	JB		Soil	1	1	8270	02/09 15:09
9M32201.	SMB4479(MS)		OK SMB4479	JB		Soil	1	1	8270	02/09 15:31
9M32202.	AC57095-001	Sb8Oc	RR 5X	JB	BN-8270	Soil	1	1	8270	02/09 15:54
9M32203.	AC57095-001(5X)	Sd	OK, INTERFERING PEAK	JB	BN-8270	Soil	5	5	8270	02/09 16:19
9M32204.	MBS4479-1		OK MBS4479-1	JB		Soil	1	1	8270	02/09 16:42
9M32205.	MBS4479-2		OK MBS4479-2	JB		Soil	1	1	8270	02/09 17:04
9M32206.	MBS4479-3		OK MBS4479-3	JB		Soil	1	1	8270	02/09 17:27
9M32207.	MBS4479-4		OK MBS4479-4	JB		Soil	1	1	8270	02/09 17:50

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cme	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emo	Problem Checking Prep/cupdates modcheckpreopunds
En	Eval Time Not Checked
Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tclo/Solvent Extraction Date Missing/Not check'd
Eto	Tclo Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calmi.csv for init calibration chek rfs
Iw	Initial cal warning. Ini cal file <> method.
Ix	Initial Cal Files Not Updated Properly for a samol
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration
Co	Warning Possible Carry Over
CRN	Warning c30/c20... not checked
Cro	C30/C20 failed for eob
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evro	Eval Mix missing drft or eoddo
R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
Ro	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time

1-1-9M32364

RUN LOG

Instrument: GCMS_9 Year:0488
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32364.	CAL DFTPP	Ed1=3.5:Oc	OK, V-104760	JB		Aqueous	1	1		02/17 08:28
9M32365.	CAL BNA@50PPM	C16	OK, V-107805	JB		Aqueous	1	1	625 8270	02/17 08:52
9M32366.	WMB4536	C6f	RR	JB		Aqueous	1	1	625 8270	02/17 09:18
9M32367.	WMB4538	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/17 09:41
9M32368.	AC57232-010		OK	JB	BNA-8270	Aqueous	1	1	8270	02/17 10:04
9M32369.	AC57100-001(T)		OK	JB	BNASPLP-82	Aqueous	1	1	8270	02/17 10:28
9M32370.	AC57100-003(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/17 10:51
9M32371.	AC57100-004(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/17 11:14
9M32372.	AC57100-005(T)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/17 11:37
9M32373.	EF-3 V-1014(02/11)		OK	JB		Aqueous	1	2	8270	02/17 12:01
9M32374.	EF-3 V-1014(02/12)		OK	JB		Aqueous	1	2	8270	02/17 12:24
9M32375.	EF-3 V-1014(02/13)		OK	JB		Aqueous	1	2	8270	02/17 12:47
9M32376.	EF-3 V-1014(02/14)		OK	JB		Aqueous	1	2	8270	02/17 13:10
9M32377.	WMB4546	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/17 13:34
9M32378.	WMB4536	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/17 13:57
9M32379.	AC57241-003		OK	JB	BNA25-8270	Aqueous	1	1	8270	02/17 14:21
9M32380.	EF-SPLP V-106794(02/		OK	JB		Aqueous	1	2	8270	02/17 14:44
9M32381.	AC57120-001(T)	Eo	OK	AHD	BN-8270	Aqueous	1	1	8270	02/17 15:07
9M32382.	AC57141-001(T)	Eo	OK	AHD	BN-8270	Aqueous	1	1	8270	02/17 15:29

Anc	Area Not Checked	Eo	Extractino Performed Past Hold	Co	Warnino Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missino/Not check'd	CRN	Warnino c30/c20 ... not checked
B6m	Blank 600 series missino	Etn	Tcln/Solvent Extraction Date Missino/Not check'd	Cro	C30/C20 failed for eqh
B8m	Blank 8000 series missino	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assinned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evm	Eval Mix missino ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endino Cal missino for sample (8000 series)	Iw	Initial cal warnino ..Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eha	An Extraction Before Collection Data	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checkino Prep/rundates modcheckpreprund	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warnino Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

Instrument: GCMS_9 Year: 0489
Analyst: AHD

1-1-9M32489

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32489.	CAL DFTPP	Ed1=3,4;Oc	OK, V-104760	JB		Aqueous	1	1		02/28 09:50
9M32490.	CAL BNA@50PPM		NOT USED	JB		Aqueous	1	1	625 8270	02/28 10:32
9M32491.	CAL BNA@2PPM		OK, V-109402	JB		Aqueous	1	1	625 8270	02/28 10:55
9M32492.	CAL BNA@.5PPM		OK, V-109403	JB		Aqueous	1	1	625 8270	02/28 11:18
9M32493.	CAL BNA@10PPM		OK, V-109394	JB		Aqueous	1	1	625 8270	02/28 11:42
9M32494.	CAL BNA@20PPM		OK, V-109395	JB		Aqueous	1	1	625 8270	02/28 12:05
9M32495.	CAL BNA@80PPM		OK, V-109397	JB		Aqueous	1	1	625 8270	02/28 12:29
9M32496.	CAL BNA@120PPM	Oc	OK, V-109398	JB		Aqueous	1	1	625 8270	02/28 12:52
9M32497.	CAL BNA@160PPM	Oc	OK, V-109399	JB		Aqueous	1	1	625 8270	02/28 13:33
9M32498.	CAL BNA@196PPM	Oc	OK, V-109400	JB		Aqueous	1	1	625 8270	02/28 13:57
9M32499.	CAL BNA@50PPM		OK, V-109396	JB		Aqueous	1	1	625 8270	02/28 14:20
9M32500.	ICV BNA@50PPM		OK, V-109406	JB		Aqueous	1	1	625 8270	02/28 14:44
9M32501.	TEST		TEST	JB		Aqueous	1	1	625 8270	02/28 15:54
9M32502.	SMB4591		OK	JB		Soil	1	1	8270	02/28 16:17
9M32503.	AC57463-012		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 16:41
9M32504.	AC57463-013		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 17:04
9M32505.	AC57459-001		OK	JB	BN15-8270	Soil	1	1	8270	02/28 17:28
9M32506.	AC57459-002		OK	JB	BN15-8270	Soil	1	1	8270	02/28 17:51
9M32507.	AC57459-003		OK	JB	BN15-8270	Soil	1	1	8270	02/28 18:15
9M32508.	AC57459-004		OK	JB	BN15-8270	Soil	1	1	8270	02/28 18:38
9M32509.	AC57463-005		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 19:01
9M32510.	AC57463-006		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 19:25
9M32511.	AC57359-002	Oc	RR 5X	JB	BN-8270	Soil	1	1	8270	02/28 19:48
9M32512.	AC57328-004		OK	JB	BNPAH-8270	Soil	1	1	8270	02/28 20:12

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Toln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Toln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evro	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/pundates modcheckprepunda	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-9M32513

Instrument: GCMS_9 Year: 0490
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M32513.	CAL DFTPP	Ed1=3.5:Oc	OK, V-104760	JB		Aqueous	1	1		03/01 09:18
9M32514.	CAL BNA@50PPM		OK, V-109396	JB		Aqueous	1	1	625 8270	03/01 09:41
9M32515.	WMB4624(MS)		OK WMB4624	JB		Aqueous	1	1	625 8270	03/01 10:05
9M32516.	WMB4624		OK	JB		Aqueous	1	1	625 8270	03/01 10:28
9M32517.	WMB4616		OK	JB		Aqueous	1	1	625 8270	03/01 10:52
9M32518.	WMB4616(MS)		OK WMB4616	JB		Aqueous	1	1	625 8270	03/01 11:15
9M32519.	AC57433-002		OK WMB4616	JB	BN15-625	Aqueous	1	1	625	03/01 11:38
9M32520.	AC57433-002(MS)		OK WMB4616	JB	BN15-625	Aqueous	1	1	625 8270	03/01 12:01
9M32521.	AC57433-002(MSD)		OK WMB4616	JB	BN15-625	Aqueous	1	1	625 8270	03/01 12:24
9M32522.	WMB4625(MS)		OK WMB4625	JB		Aqueous	1	1	625 8270	03/01 12:47
9M32523.	WMB4625		OK	JB		Aqueous	1	1	625 8270	03/01 13:11
9M32524.	AC57446-005		OK	JB	BNA-8270	Aqueous	1	1	8270	03/01 13:34
9M32525.	AC57446-007	Oc	RR 3X	JB	BNA-8270	Aqueous	1	1	8270	03/01 13:57
9M32526.	AC57446-016	Oc	RR 10X	JB	BNA-8270	Aqueous	1	1	8270	03/01 14:20
9M32527.	AC57446-018	Sb8Sa8Oc	RR 200X	JB	BNA-8270	Aqueous	1	1	8270	03/01 14:44
9M32528.	AC57359-002(5X)		OK	JB	BN-8270	Soil	5	5	8270	03/01 15:07
9M32529.	AC57446-001	Sa8	RR	AHD	BNA-8270	Aqueous	1	1	8270	03/01 15:30
9M32530.	AC57446-001(MS)		OK WMB4625	AHD	BNA-8270	Aqueous	1	1	625 8270	03/01 15:53
9M32531.	AC57487-031(3X)		OK SMB4620	AHD	BNA-8270	Soil	3	3	8270	03/01 16:16
9M32532.	SMB4620(MS)		OK SMB4620	AHD		Soil	1	1	8270	03/01 16:40
9M32533.	SMB4620	Sb8	RR	AHD		Soil	1	1	8270	03/01 17:03
9M32534.	AC57446-001(MSD)		OK WMB4625	AHD	BNA-8270	Aqueous	1	1	625 8270	03/01 17:26
9M32535.	AC57487-031(3X)(MS)		OK SMB4620	AHD	BNA-8270	Soil	3	3	8270	03/01 17:49
9M32536.	AC57487-031(3X)(MSD		OK SMB4620	AHD	BNA-8270	Soil	3	3	8270	03/01 18:12
9M32537.	AC57487-009		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 18:36
9M32538.	AC57487-015		OK	AHD	BNA-8270	Soil	1	1	8270	03/01 18:59
9M32539.	AC57487-017	Oc	RR 3X	AHD	BNA-8270	Soil	1	1	8270	03/01 19:22
9M32540.	AC57446-007(3X)		OK	AHD	BNA-8270	Aqueous	3	3	8270	03/01 19:45
9M32541.	AC57446-016(10X)		OK	AHD	BNA-8270	Aqueous	10	10	8270	03/01 20:08
9M32542.	AC57446-018(200X)	Sd	OK	AHD	BNA-8270	Aqueous	200	200	8270	03/01 20:31
9M32543.	AC57411-006(R)		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 20:54
9M32544.	AC57433-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 21:17
9M32545.	AC57424-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 21:40
9M32546.	AC57424-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 22:04
9M32547.	AC57450-001		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 22:27
9M32548.	AC57450-002		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 22:50
9M32549.	AC57450-003		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 23:13
9M32550.	AC57450-004		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 23:36
9M32551.	AC57450-005		OK	AHD	BN15-625	Aqueous	1	1	625	03/01 23:59
9M32552.	AC57437-002		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 00:22
9M32553.	AC57437-004		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 00:45
9M32554.	AC57437-006		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 01:08
9M32555.	AC57437-008		OK	AHD	BNA25-625	Aqueous	1	1	625	03/02 01:32

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calcnt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/rundates modcheckprepounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1941	CAL DFTPP	Ed1=3.7;Oc	OK, V-104760	JB		Aqueous	1	1		02/09 09:18
10M1941	CAL BNA@50PPM	IsC16	NOT USED	JB		Aqueous	1	1	625 8270	02/09 09:39
10M1941	CAL BNA@196PPM	Oc	OK, V-107809	JB		Aqueous	1	1	625 8270	02/09 10:03
10M1941	CAL BNA@160PPM	Oc	OK, V-107808	JB		Aqueous	1	1	625 8270	02/09 10:26
10M1941	CAL BNA@120PPM		OK, V-107807	JB		Aqueous	1	1	625 8270	02/09 10:48
10M1941	CAL BNA@80PPM		OK, V-107806	JB		Aqueous	1	1	625 8270	02/09 11:10
10M1942	CAL BNA@20PPM		OK, V-107804	JB		Aqueous	1	1	625 8270	02/09 11:33
10M1942	CAL BNA@10PPM		OK, V-107803	JB		Aqueous	1	1	625 8270	02/09 11:55
10M1942	CAL BNA@2PPM		OK, V-107811	JB		Aqueous	1	1	625 8270	02/09 12:17
10M1942	CAL BNA@0.5PPM		OK, V-107812	JB		Aqueous	1	1	625 8270	02/09 12:39
10M1942	CAL BNA@50PPM		OK, V-107805	JB		Aqueous	1	1	625 8270	02/09 13:01
10M1942	CAL BNA@25PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:24
10M1942	CAL BNA@30PPM	C16C18	TEST	JB		Aqueous	1	1	625 8270	02/09 13:55
10M1942	ICV BNA@50PPM		OK, V-107816	JB		Aqueous	1	1	625 8270	02/09 14:17
10M1942	WMB4476		OK	JB		Aqueous	1	1	625 8270	02/09 15:09
10M1942	AC57153-001		OK	JB	BN-625	Aqueous	1	1	625	02/09 15:31
10M1943	AC57023-003(T)	Eo	OK	JB	BNPAH-8270	Aqueous	1	1	8270	02/09 15:53
10M1943	EF-SPLP V-106794(02/		OK	JB		Aqueous	1	2	8270	02/09 16:16
10M1943	AC57154-001		OK	JB	BN-625	Aqueous	1	1	625	02/09 16:38
10M1943	MBS-A	Oc	OK MBS-A	JB		Aqueous	1	1	625 8270	02/09 17:00
10M1943	MBS-B	Oc	OK MBS-B	JB		Aqueous	1	1	625 8270	02/09 17:22
10M1943	MBS-C	Oc	OK MBS-C	JB		Aqueous	1	1	625 8270	02/09 17:44
10M1943	MBS-D	Oc	OK MBS-D	JB		Aqueous	1	1	625 8270	02/09 18:06

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I18.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/rundates modcheckprepfund	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-10M19508

Instrument: GCMS_10 Year: 0492
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1950	CAL DFTPP	Ed1=3.7:Oc	OK, V-104760	JB		Aqueous	1	1		02/22 08:34
10M1950	CAL BNA@50PPM	C16	OK, V-107805	JB		Aqueous	1	1	625 8270	02/22 08:56
10M1951	WMB4565	C6f	OK FOR 8270 METHOD	JB		Aqueous	1	1	625 8270	02/22 09:48
10M1951	AC57098-005(T)(R)		OK	JB	BNASPLP-82	Aqueous	1	1	8270	02/22 10:10
10M1951	AC57098-006(T)(R)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/22 10:32
10M1951	AC57098-007(T)(R)	C6fAoEsm	RR	JB	ERROR	Aqueous	1	1	625 8270	02/22 10:54
10M1951	AC57100-006(T)(R)	Ao	RR	JB	BNASPLP-82	Aqueous	1	1	8270	02/22 11:17
10M1951	AC57100-007(T)(R)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/22 11:39
10M1951	AC57100-008(T)(R)	C6fEsm	ON HOLD	JB	ERROR	Aqueous	1	1	625 8270	02/22 12:01
10M1951	EF-3 V-1014(02/15)(R)		OK	JB		Aqueous	1	2	8270	02/22 12:23
10M1951	AC57100-006(T)(R)	Ao	AREA CONFIRMED	JB	BNASPLP-82	Aqueous	1	1	8270	02/22 12:45
10M1951	EF-3 V-1014(02/16)(R)		OK	JB		Aqueous	1	2	8270	02/22 13:07
10M1952	EF-3 V-1014(02/17)(R)		OK	JB		Aqueous	1	2	8270	02/22 13:30
10M1952	WMB4567	C6f	OK	JB		Aqueous	1	1	625 8270	02/22 13:52

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tolo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for endr
B8m	Blank 8000 series missing	Eto	Tolo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samnl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Snike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Snike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Snike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Snike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Prep/pundates modcheckprepround	Mnc	Snike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-10M19637

Instrument: GCMS_10 Year: 0493
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1963	CAL DFTPP	Ed1=3,2;Oc	OK, V-104760	JB		Aqueous	1	1		03/02 13:17
10M1963	CAL BNA@50PPM		OK, V-109733	JB		Aqueous	1	1	625 8270	03/02 14:04
10M1963	CAL BNA@2PPM		OK, V-109739	JB		Aqueous	1	1	625 8270	03/02 15:31
10M1964	CAL BNA@.5PPM		OK, V-109740	JB		Aqueous	1	1	625 8270	03/02 15:54
10M1964	CAL BNA@10PPM		OK, V-109731	JB		Aqueous	1	1	625 8270	03/02 16:16
10M1964	CAL BNA@20PPM		OK, V-109732	JB		Aqueous	1	1	625 8270	03/02 16:38
10M1964	CAL BNA@80PPM		OK, V-109734	JB		Aqueous	1	1	625 8270	03/02 17:00
10M1964	CAL BNA@120PPM		OK, V-109735	JB		Aqueous	1	1	625 8270	03/02 17:22
10M1964	CAL BNA@160PPM	Oc	OK, V-109736	JB		Aqueous	1	1	625 8270	03/02 17:45
10M1964	CAL BNA@196PPM	Oc	OK, V-109737	JB		Aqueous	1	1	625 8270	03/02 18:07
10M1964	ICV BNA@50PPM		OK, V-109742	JB		Aqueous	1	1	625 8270	03/02 18:29
10M1964	SMB4620		OK	JB		Soil	1	1	8270	03/02 19:54
10M1964	WMB4634		OK	JB		Aqueous	1	1	625 8270	03/02 20:16
10M1965	AC57417-002	Sa8Sb8	RE-EXTRACT	JB	BNA25-8270	Aqueous	1	1	8270	03/02 20:38
10M1965	AC57417-005		RR	JB	BNA25-8270	Aqueous	1	1	8270	03/02 21:01
10M1965	AC57445-002		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 21:23
10M1965	AC57445-006		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 21:45
10M1965	AC57481-002		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 22:07
10M1965	AC57481-003		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 22:30
10M1965	AC57481-006		RR	JB	BNA25-8270	Aqueous	1	1	8270	03/02 22:52
10M1965	AC57494-002	Sa8	RE-EXTRACT	JB	BNA25-8270	Aqueous	1	1	8270	03/02 23:14
10M1965	AC57494-005		OK	JB	BNA25-8270	Aqueous	1	1	8270	03/02 23:36

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with cairpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning...Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emo	Problem Checking Preo/pundates modcheckcompounds	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

RUN LOG

1-1-10M19708

Instrument: GCMS_10 Year: 0494
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M1970	CAL DFTPP	Ed1=3.8:Oc	OK, V-104760	JB		Aqueous	1	1		03/04 09:58
10M1970	CAL BNA@50PPM		OK, V-109733	JB		Aqueous	1	1	625 8270	03/04 10:20
10M1971	WMB4656		OK	JB		Aqueous	1	1	625 8270	03/04 10:42
10M1971	WMB4657		OK	JB		Aqueous	1	1	625 8270	03/04 11:04
10M1971	AC57490-006(R)		OK	JB	BNA-8270	Aqueous	1	1	8270	03/04 11:27
10M1971	AC57098-016(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 11:49
10M1971	AC57098-017(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 12:11
10M1971	AC57098-018(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 12:33
10M1971	WMB4661(MS)		OK WMB4661	JB		Aqueous	1	1	625 8270	03/04 12:55
10M1971	WMB4661		OK	AHD		Aqueous	1	1	625 8270	03/04 13:18
10M1971	AC57098-019(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 13:40
10M1971	AC57098-020(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/04 14:02
10M1972	AC57542-003		OK,SURRO. SPIKED DOUBLE WMB4	JB	BNA25-625	Aqueous	0.5	1	625	03/04 14:24
10M1972	AC57542-003(MS)		OK WMB4661	JB	BNA25-625	Aqueous	1	1	625 8270	03/04 14:47
10M1972	AC57542-003(MSD)		OK WMB4661	JB	BNA25-625	Aqueous	1	1	625 8270	03/04 15:08
10M1972	AC57100-017(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 15:31
10M1972	AC57100-018(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 15:53
10M1972	AC57100-019(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 16:15
10M1972	AC57100-020(T)	Esm	OK	JB	ERROR	Aqueous	1	1	625 8270	03/04 16:37
10M1972	AC57100-021(T)	Eto	OK	JB	BNASPLP-82	Aqueous	1	1	8270	03/04 16:59
10M1972	EF-3 V-1014(02/26)		OK	JB		Aqueous	1	2	8270	03/04 17:22
10M1972	EF-3 V-1014(02/27)		OK	JB		Aqueous	1	2	8270	03/04 17:44
10M1973	EF-3 V-1014(02/28)		OK	JB		Aqueous	1	2	8270	03/04 18:06
10M1973	EF-3 V-1014(03/01)		OK	JB		Aqueous	1	3	8270	03/04 18:28
10M1973	EF-3 V-1014(03/02)		OK	JB		Aqueous	1	3	8270	03/04 18:50
10M1973	EF-SPLP V-109139(03/		OK	JB		Aqueous	1	3	8270	03/04 19:13
10M1973	AC57497-012	Sa8	RE-EXTRACT AS BNA	JB	BNA25-8270	Aqueous	1	1	8270	03/04 19:35
10M1973	AC57342-002(T)	Eo	OK	JB	BN-8270	Aqueous	1	1	8270	03/04 19:57
10M1973	AC57341-003(T)	Sb8Eo	RE-EXTRACT	JB	BN-8270	Aqueous	1	1	8270	03/04 20:19
10M1973	AC57498-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 20:41
10M1973	AC57484-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 21:03
10M1973	AC57484-003		OK	JB	BN15-625	Aqueous	1	1	625	03/04 21:25
10M1974	AC57485-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 21:47
10M1974	AC57472-001		OK	JB	BN15-625	Aqueous	1	1	625	03/04 22:10
10M1974	AC57472-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 22:32
10M1974	AC57517-001		OK	JB	BN15-625	Aqueous	1	1	625	03/04 22:54
10M1974	AC57517-002		OK	JB	BN15-625	Aqueous	1	1	625	03/04 23:16
10M1974	AC57542-002		OK	JB	BNA25-625	Aqueous	1	1	625	03/04 23:38

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20... not checked
B6m	Blank 600 series missing	Etn	Tolo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eoh
B8m	Blank 8000 series missing	Eto	Tolo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or eoddn
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for Init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Dnc	Drift Not Checked	M16a M16h	Spike Out Col 1 600 series Acid and or BN	Sd	Surrogate Diluted Out
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Eba	An Extraction Before Collection Date	M18a M18h	Spike Out Col 1 8000 series Acid and or BN	Ti5	Outside of 500 series Tune time
Emp	Problem Checking Prep/runDates modcheckprepundat	Mnc	Spike Not Checked for this ms/msd	Ti6	Outside of 600 series Tune time/Cal Time
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Ti8	Outside of 8000 series Tune time/Cal Time

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5525

Description
Sodium Sulfate

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Seidler	SC-3375-1C	026129	12/28/10	12/27/12	Lopez, Jose	4	100L	neat	neat

Veritech Control/Receipt Number: 5576

Description
Base Neutral Comp Mix

ApprovedBy: jean
ApproveDate: 01/21/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-BN-PAK	210101171	01/21/11	10/15/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5577

Description
Acid Comp Mix

ApprovedBy: jean
ApproveDate: 01/21/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-A-R-PAK	209101262	01/21/11	10/28/12	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5596

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	02/08/11	02/28/12	Lopez, Jose	156	4L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81922

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81923

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-82306

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 3/8/2010
Expiration Date: 3/8/2011
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4731	pyridine	10 ul	neat neat	10000 ppm
4698	METHYLENE CHLORIDE	990 ul	neat neat	

Veritech Lot Number: V-82585

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/10/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 03/12/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-88079

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/8/2010
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4971	METHYLENE CHLORIDE	500 ml	neat neat	

Veritech Lot Number: V-88691

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std.
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4971	METHYLENE CHLORIDE	10 ml	neat neat	

Veritech Lot Number: V-88692

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std. (2nd source)
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4974	ACETONE	10 ml	neat neat	

Veritech Lot Number: V-91587

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 7/27/2010
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
4669	p-Terphenyl-d14	1 g	neat neat	1000 ppm
3877	PHENOL-2,3,4,5,6-d5,	2 g	NEAT neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
5055	ACETONE	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-96831

Prepared By: Hamid, Akmal
Description: BNA-Pest Mix
Prep Date: 9/27/2010
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.05 g	NEAT	5000 ppm
3640	4.4'-DDD	.05 g	NEAT	5000 ppm
3641	4.4'-DDE	.05 g	NEAT	5000 ppm
5268	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-99837

Prepared By: Bis, Yolanta
Description: Pyridine Spiking Std.
Prep Date: 10/27/2010
Expiration Date: 10/26/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	200 ul	NEAT neat	2000 ppm
5269	Acetone	100 ml	neat neat	

Veritech Lot Number: V-103047

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4666	TCL PAH Mix	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-82306	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
5428	Methylene Chloride	360 ul	Neat neat	

Veritech Lot Number: V-104760

Prepared By: Bis, Yolanta
Description: DFTPP Mix
Prep Date: 12/28/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 2 ml
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
5434	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5504	Methylene Chloride	1450 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-105212

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/5/2011
Expiration Date: 1/5/2012
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4625	Atrazine	.1 g	neat neat	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
4629	Diphenyl ether	.1 g	neat neat	10000 ppm
2635	e-Caprolactum	.1 g	neat neat	10000 ppm
4619	Benzaldehyde	.1 g	NEAT neat	10000 ppm
5524	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-105213

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/5/2011
Expiration Date: 1/5/2012
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4625	Atrazine	.1 g	neat neat	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
4629	Diphenyl ether	.1 g	neat neat	10000 ppm
2635	e-Caprolactum	.1 g	neat neat	10000 ppm
4619	Benzaldehyde	.1 g	NEAT neat	10000 ppm
5526	Acetone	10 ml	neat neat	

Veritech Lot Number: V-107206

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 1/31/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 02/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
5325	Benzoic Acid Mix	150 ul	2000 ppm	250 ppm
4510	TCL Benzidines mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
V-88691	Coumarin Stock Std.	60 ul	5,000 ppm	250 ppm
5541	Methylene Chloride	270 ul	neat neat	

Veritech Lot Number: V-107802

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 625 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-105212	8270 EXTRA MIX#1	12.5 ul	10000 ppm	200 ppm
V-107206	BNA STOCK Std.A	500 ul	250 ppm	200 ppm
5578	Methylene Chloride	112.5 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107803

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-107804

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-107805

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
5578	Methylene Chloride	438 ul	neat neat	
V-107802	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Lot Number: V-107806

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-107807

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	38 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107808

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-107809

Prepared By: Bis, Yolanta
Description: BNA 196 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-107810

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5578	Methylene Chloride	75 ul	neat neat	

Veritech Lot Number: V-107811

Prepared By: Bis, Yolanta
Description: BNA 2 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 2 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107810	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	94 ul	neat neat	

Veritech Lot Number: V-107812

Prepared By: Bis, Yolanta
Description: BNA 0.5 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 0.5 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107810	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	97 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107816

Prepared By:	Bis, Yolanta	Department: Organics	ApprovedBy: jean
Description:	BNA ICV CAL@50PPM	BatchNumber:	ApproveDate: 02/10/11
Prep Date:	2/8/2011	Concentration: 50 ppm	Checked: Yes
Expiration Date:	3/1/2011	Final Volume: 0.2 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103047	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ul	5,000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5578	Methylene Chloride	153 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2587

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2635

Description
e-Caprolactum

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	C2204	19623PC	07/19/07	04/24/15	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3213

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Control/Receipt Number: 3877

Description
PHENOL-2,3,4,5,6-d5,

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ISOTEC	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4510

Description
TCL Benzidines mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4619

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 01/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Sigma Aldrich	B1334-5G	62097IJ	01/15/10	01/15/20	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 4625

Description
Atrazine

ApprovedBy: jean
ApproveDate: 01/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2208	421-55A	01/18/10	04/30/12	Hamid, Akmal	2	1000	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4629

Description
Diphenyl ether

ApprovedBy: jean
ApproveDate: 01/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	240834-5g	MKAA1526	01/19/10	10/26/20	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 4666

Description
TCL PAH Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB69185	01/29/10	08/31/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4667

Description
TCL Base-Neutral Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-U	LB67896	01/29/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4669

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500mg	CX1560	01/29/10	01/29/16	Hamid, Akmal	1	500m	neat	neat

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 02/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	02/23/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4731

Description
pyridine

ApprovedBy: jean
ApproveDate: 03/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Control/Receipt Number: 4781

Description
Pyridine

ApprovedBy: jean
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	P368-500	094570	03/30/10	03/29/13	Kiryanov, Alex	2	500 m	NEAT	NEAT

Veritech Control/Receipt Number: 4872

Description
TCL Phenols/Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	04/20/10	07/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4971

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J16S00	06/08/10	07/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 5325

Description
Benzoic Acid Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A075417	10/07/10	06/30/14	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5524

Description
Methylene Chloride

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	12/28/10	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5526

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J36E13	12/28/10	01/31/12	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5541

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/11/11	02/29/12	Lopez, Jose	112	4L	neat	neat

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5334

Description
BASE NEUTRAL MIX

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-BN-PAK	209111182-01	10/13/10	05/25/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5525

Description
Sodium Sulfate

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Seidler	SC-3375-1C	026129	12/28/10	12/27/12	Lopez, Jose	4	100L	neat	neat

Veritech Control/Receipt Number: 5576

Description
Base Neutral Comp Mix

ApprovedBy: jean
ApproveDate: 01/21/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-BN-PAK	210101171	01/21/11	10/15/11	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5577

Description
Acid Comp Mix

ApprovedBy: jean
ApproveDate: 01/21/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	CLP-HC-A-R-PAK	209101262	01/21/11	10/28/12	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 5596

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	02/08/11	02/28/12	Lopez, Jose	156	4L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-81922

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81923

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-82306

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 3/8/2010
Expiration Date: 3/8/2011
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4731	pyridine	10 ul	neat neat	10000 ppm
4698	METHYLENE CHLORIDE	990 ul	neat neat	

Veritech Lot Number: V-82585

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/10/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 03/12/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-88079

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/8/2010
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4971	METHYLENE CHLORIDE	500 ml	neat neat	

Veritech Lot Number: V-88691

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std.
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4971	METHYLENE CHLORIDE	10 ml	neat neat	

Veritech Lot Number: V-88692

Prepared By: Hamid, Akmal
Description: Coumarin Stock Std. (2nd source)
Prep Date: 6/16/2010
Expiration Date: 6/16/2011
Department: Organics
BatchNumber:
Concentration: 5,000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/17/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4992	COUMARIN	.05 g	NEAT	5000 ppm
4974	ACETONE	10 ml	neat neat	

Veritech Lot Number: V-91587

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 7/27/2010
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
4669	p-Terphenyl-d14	1 g	neat neat	1000 ppm
3877	PHENOL-2,3,4,5,6-d5,	2 g	NEAT neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
5055	ACETONE	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-96831

Prepared By: Hamid, Akmal
Description: BNA-Pest Mix
Prep Date: 9/27/2010
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 11/23/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.05 g	NEAT	5000 ppm
3640	4.4'-DDD	.05 g	NEAT	5000 ppm
3641	4.4'-DDE	.05 g	NEAT	5000 ppm
5268	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-99837

Prepared By: Bis, Yolanta
Description: Pyridine Spiking Std.
Prep Date: 10/27/2010
Expiration Date: 10/26/2011
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/09/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	200 ul	NEAT neat	2000 ppm
5269	Acetone	100 ml	neat neat	

Veritech Lot Number: V-103047

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 12/1/2010
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 12/02/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4666	TCL PAH Mix	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-82306	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
5428	Methylene Chloride	360 ul	Neat neat	

Veritech Lot Number: V-104760

Prepared By: Bis, Yolanta
Description: DFTPP Mix
Prep Date: 12/28/2010
Expiration Date: 3/10/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 2 ml
ApprovedBy: akmal
ApproveDate: 12/28/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	50 ul	2000 ppm	50 ppm
5434	DDT/Endrin Mix	400 ul	500 ppm	100 ppm
4872	TCL Phenols/Benzidines Mix	100 ul	2000 ppm	100 ppm
5504	Methylene Chloride	1450 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-105212

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/5/2011
Expiration Date: 1/5/2012
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4625	Atrazine	.1 g	neat neat	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
4629	Diphenyl ether	.1 g	neat neat	10000 ppm
2635	e-Caprolactum	.1 g	neat neat	10000 ppm
4619	Benzaldehyde	.1 g	NEAT neat	10000 ppm
5524	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-105213

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/5/2011
Expiration Date: 1/5/2012
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 01/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4625	Atrazine	.1 g	neat neat	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
4629	Diphenyl ether	.1 g	neat neat	10000 ppm
2635	e-Caprolactum	.1 g	neat neat	10000 ppm
4619	Benzaldehyde	.1 g	NEAT neat	10000 ppm
5526	Acetone	10 ml	neat neat	

Veritech Lot Number: V-107206

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 1/31/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 02/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5324	8270 Mega Mix	300 ul	1000 ppm	250 ppm
5325	Benzoic Acid Mix	150 ul	2000 ppm	250 ppm
4510	TCL Benzidines mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
V-88691	Coumarin Stock Std.	60 ul	5,000 ppm	250 ppm
5541	Methylene Chloride	270 ul	neat neat	

Veritech Lot Number: V-107802

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 625 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-105212	8270 EXTRA MIX#1	12.5 ul	10000 ppm	200 ppm
V-107206	BNA STOCK Std.A	500 ul	250 ppm	200 ppm
5578	Methylene Chloride	112.5 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107803

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-107804

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-107805

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
V-107802	BNA STOCK Std.	150 ul	200 ppm	50 ppm
5578	Methylene Chloride	438 ul	neat neat	

Veritech Lot Number: V-107806

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-107807

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	38 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107808

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-107809

Prepared By: Bis, Yolanta
Description: BNA 196 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-107810

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107802	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5578	Methylene Chloride	75 ul	neat neat	

Veritech Lot Number: V-107811

Prepared By: Bis, Yolanta
Description: BNA 2 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 2 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107810	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	94 ul	neat neat	

Veritech Lot Number: V-107812

Prepared By: Bis, Yolanta
Description: BNA 0.5 ppm curve
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber: B-9634
Concentration: 0.5 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-107810	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5578	Methylene Chloride	97 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107816

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 2/8/2011
Expiration Date: 3/1/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-103047	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88692	Coumarin Stock Std. (2nd source)	2 ul	5,000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5578	Methylene Chloride	153 ul	neat neat	

Veritech Lot Number: V-109339

Prepared By: Hamid, Akmal
Description: BNA-8 MIX
Prep Date: 2/23/2011
Expiration Date: 1/31/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
5661	Biphenyl	.05 g	neat neat	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4992	COUMARIN	.05 g	NEAT	5000 ppm
5647	KEPONE(CHLORDECONE)	.05 g	NEAT	5000 ppm
5648	3,4-Dichlorophenol	.05 g	NEAT	5000 ppm
5596	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-109340

Prepared By: Hamid, Akmal
Description: BNA-9 MIX
Prep Date: 2/23/2011
Expiration Date: 1/31/2012
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
5661	Biphenyl	.05 g	neat neat	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4992	COUMARIN	.05 g	NEAT	5000 ppm
5647	KEPONE(CHLORDECONE)	.05 g	NEAT	5000 ppm
5648	3,4-Dichlorophenol	.05 g	NEAT	5000 ppm
5596	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-109404

Prepared By: Bis, Yolanta
Description: Pyridine Stock Std.
Prep Date: 2/28/2011
Expiration Date: 2/27/2012
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4781	Pyridine	10 ul	NEAT neat	10000 ppm
5596	Methylene chloride	990 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109729

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.A
Prep Date: 3/2/2011
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5425	8270 Mega Mix	300 ul	1000 ppm	250 ppm
5325	Benzoic Acid Mix	150 ul	2000 ppm	250 ppm
4871	TCL Benzidines Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-96831	BNA-Pest Mix	60 ul	5000 ppm	250 ppm
V-109339	BNA-8 MIX	60 ul	5000 ppm	250 ppm
5629	CUSTOM NY SVOC MIX	150 ul	2000 ppm	250 ppm
5596	Methylene chloride	180 ul	neat neat	

Veritech Lot Number: V-109730

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.
Prep Date: 3/2/2011
Expiration Date: 6/30/2011
Department: Organics
BatchNumber:
Concentration: 200 ppm
Final Volume: 500 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-105212	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
V-109729	BNA STOCK Std.A	400 ul	250 ppm	200 ppm
5596	Methylene chloride	90 ul	neat neat	

Veritech Lot Number: V-109731

Prepared By: Bis, Yolanta
Description: BNA 10 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 10 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	93 ul	neat neat	

Veritech Lot Number: V-109732

Prepared By: Bis, Yolanta
Description: BNA 20 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 20 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	88 ul	neat neat	

Veritech Lot Number: V-109733

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 50 ppm
Final Volume: 600 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-88079	BNA Internal Std.	12 ul	2000 ppm	40 ppm
V-109730	BNA STOCK Std.	150 ul	200 ppm	50 ppm
5596	Methylene chloride	438 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109734

Prepared By: Bis, Yolanta
Description: BNA 80 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	58 ul	neat neat	

Veritech Lot Number: V-109735

Prepared By: Bis, Yolanta
Description: BNA 120 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	38 ul	neat neat	

Veritech Lot Number: V-109736

Prepared By: Bis, Yolanta
Description: BNA 160 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	18 ul	neat neat	

Veritech Lot Number: V-109737

Prepared By: Bis, Yolanta
Description: BNA 196 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	0	neat neat	

Veritech Lot Number: V-109738

Prepared By: Bis, Yolanta
Description: BNA 50 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109730	BNA STOCK Std.	25 ul	200 ppm	50 ppm
5596	Methylene chloride	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109739

Prepared By: Bis, Yolanta
Description: BNA 2 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 2 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109738	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	94 ul	neat neat	

Veritech Lot Number: V-109740

Prepared By: Bis, Yolanta
Description: BNA 0.5 ppm curve
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber: B-9787
Concentration: 0.5 ppm
Final Volume: 100 ul
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109738	BNA 50 ppm curve	1 ul	50 ppm	0.5 ppm
V-88079	BNA Internal Std.	2 ul	2000 ppm	40 ppm
5596	Methylene chloride	97 ul	neat neat	

Veritech Lot Number: V-109741

Prepared By: Bis, Yolanta
Description: BNA STOCK Std.B
Prep Date: 3/2/2011
Expiration Date: 7/27/2011
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5129	TCL PAH MIX	150 ul	2000 ppm	250 ppm
4872	TCL Phenols/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4667	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-91587	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-109404	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-109340	BNA-9 MIX	60 ul	5000 ppm	250 ppm
5596	Methylene chloride	210 ul	neat neat	
5630	CUSTOM NY SVOC MIX	150 ul	2000 ppm	250 ppm

Veritech Lot Number: V-109742

Prepared By: Bis, Yolanta
Description: BNA ICV CAL@50PPM
Prep Date: 3/2/2011
Expiration Date: 6/8/2011
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 03/04/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
v-109741	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-105213	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-88079	BNA Internal Std.	4 ul	2000 ppm	40 ppm
5596	Methylene chloride	155 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2587

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 01/14/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2635

Description
e-Caprolactum

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	C2204	19623PC	07/19/07	04/24/15	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3213

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Control/Receipt Number: 3877

Description
PHENOL-2,3,4,5,6-d5,

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ISOTEC	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4005

Description
n-Decane

ApprovedBy: akmal
ApproveDate: 03/02/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4510

Description
TCL Benzidines mix

ApprovedBy: akmal
ApproveDate: 11/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4619

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 01/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Sigma Aldrich	B1334-5G	62097IJ	01/15/10	01/15/20	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 4625

Description
Atrazine

ApprovedBy: jean
ApproveDate: 01/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2208	421-55A	01/18/10	04/30/12	Hamid, Akmal	2	1000	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4629

Description
Diphenyl ether

ApprovedBy: jean
ApproveDate: 01/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	240834-5g	MKAA1526	01/19/10	10/26/20	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 4666

Description
TCL PAH Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB69185	01/29/10	08/31/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4667

Description
TCL Base-Neutral Mix

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-U	LB67896	01/29/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4669

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 01/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500mg	CX1560	01/29/10	01/29/16	Hamid, Akmal	1	500m	neat	neat

Veritech Control/Receipt Number: 4698

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 02/17/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 02/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/23/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	02/23/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4731

Description
pyridine

ApprovedBy: jean
ApproveDate: 03/11/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Control/Receipt Number: 4781

Description
Pyridine

ApprovedBy: jean
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	P368-500	094570	03/30/10	03/29/13	Kiryanov, Alex	2	500 m	NEAT	NEAT

Veritech Control/Receipt Number: 4871

Description
TCL Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8906	LB68007	04/20/10	06/30/12	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4872

Description
TCL Phenols/Benzidines Mix

ApprovedBy: jean
ApproveDate: 04/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	04/20/10	07/31/11	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4971

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J16S00	06/08/10	07/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 4974

Description
ACETONE

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J11E61	06/08/10	06/30/11	Okomeng, Maxwel	16	4LT	neat	neat

Veritech Control/Receipt Number: 4992

Description
COUMARIN

ApprovedBy: jean
ApproveDate: 06/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-829	410-72B	06/10/10	09/30/16	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5055

Description
ACETONE

ApprovedBy: jean
ApproveDate: 07/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9254-03	J14E25	07/13/10	07/31/11	Okomeng, Maxwel	20	4LT	neat	neat

Veritech Control/Receipt Number: 5129

Description
TCL PAH MIX

ApprovedBy: jean
ApproveDate: 08/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48905-U	LB69185	08/03/10	08/31/12	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 5268

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J23S01	09/21/10	09/30/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5269

Description
Acetone

ApprovedBy: jean
ApproveDate: 09/21/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J34E36	09/21/10	11/30/11	Lopez, Jose	24	4L	neat	neat

Veritech Control/Receipt Number: 5324

Description
8270 Mega Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A076907	10/07/10	03/31/12	Hamid, Akmal	2	1ml	1000	ppm

Veritech Control/Receipt Number: 5325

Description
Benzoic Acid Mix

ApprovedBy: jean
ApproveDate: 10/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A075417	10/07/10	06/30/14	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 5425

Description
8270 Mega Mix

ApprovedBy: akmal
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A077266	11/12/10	04/30/12	Hamid, Akmal	1	1ml	1000	ppm

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5428

Description
Methylene Chloride

ApprovedBy: richq
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-003	J38S00	11/16/10	12/30/11	Quimby, Richard	120	4L	Neat	Neat

Veritech Control/Receipt Number: 5434

Description
DDT/Endrin Mix

ApprovedBy: akmal
ApproveDate: 11/16/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	4-8282	LB69536	11/15/10	08/31/12	Hamid, Akmal	2	1ml	500	ppm

Veritech Control/Receipt Number: 5504

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	J38S00	12/14/10	12/31/11	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 5524

Description
Methylene Chloride

ApprovedBy: akmal
ApproveDate: 12/30/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	12/28/10	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 5526

Description
Acetone

ApprovedBy: jean
ApproveDate: 01/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	J36E13	12/28/10	01/31/12	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 5541

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/12/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/11/11	02/29/12	Lopez, Jose	112	4L	neat	neat

Veritech Control/Receipt Number: 5578

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 01/26/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	01/25/11	02/29/12	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5596

Description
Methylene chloride

ApprovedBy: jean
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	J42S10	02/08/11	02/28/12	Lopez, Jose	156	4L	neat	neat

Veritech Control/Receipt Number: 5629

Description
CUSTOM NY SVOC MIX

ApprovedBy: jean
ApproveDate: 02/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-21796	211021099	02/16/11	02/15/12	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 5630

Description
CUSTOM NY SVOC MIX

ApprovedBy: jean
ApproveDate: 02/17/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-21796	211021096	02/16/11	02/15/12	Revolus, Jean	5	1mL	2000	PPM

Veritech Control/Receipt Number: 5647

Description
KEPONE(CHLORDECONE)

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	PS-701	451-139A	02/18/11	11/30/16	Revolus, Jean	3	50mg	NEAT	

Veritech Control/Receipt Number: 5648

Description
3,4-Dichlorophenol

ApprovedBy: jean
ApproveDate: 02/18/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	O-2310	452-36A	02/18/11	09/30/16	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 5661

Description
Biphenyl

ApprovedBy: jean
ApproveDate: 03/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1062	432-55B	02/23/11	11/30/15	Hamid, Akmal	1	5g	neat	neat

Metal Data

Metal Data
Sample Data

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Veritech

Data File Name: A12318A

Lab Code: 14622

Analysis Date: 02/15/2011

Matrix: Water

Lab Sample ID: AC57100-002

Client ID: PW

Level: low/med

Dilution: 0.5

Batch: 12318

% Solid: 0

Concentration Units: Ug CaC03/L

Cas No.	Analyte	RL	Concentration	M
	Hardness	6600	15000	P

U - Indicates compound not found above detection/reporting limit
* - Indicates compound above calibration range
P - Indicates analyzed by ICP
CV - Indicates analyzed by Cold Vapor

Comments: _____

Metal Data
QC Data

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/15/11
Data File: A12318A
Prep Batch: 3327
Analytical Method: 200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP1A
Units: All units in ppm except Hg and icp-ms in ppb

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-105539 (2)-7	Rec	CCV V-106422-19	Rec	CCV V-106422-27	Rec	Rec	Rec	Rec	Rec	Rec	Rec
Aluminum	10/5	10.29860	103	4.75029	95	4.85192	97						
Antimony	1/.5	1.00250	100	0.49161	98	0.49284	99						
Arsenic	1/.5	0.99742	100	0.48866	98	0.49124	98						
Barium	1/.5	0.99804	100	0.49946	100	0.50540	101						
Beryllium	1/.5	1.00116	100	0.48828	98	0.49638	99						
Cadmium	1/.5	1.00074	100	0.50477	101	0.51013	102						
Calcium	100/50	99.69540	100	49.66070	99	49.75920	100						
Chromium	1/.5	1.00492	100	0.50127	100	0.50499	101						
Cobalt	1/.5	0.98766	99	0.50990	102	0.51642	103						
Copper	1/.5	0.99265	99	0.49418	99	0.49618	99						
Iron	10/5	9.90361	99	4.92756	99	5.02130	100						
Lead	1/.5	0.98935	99	0.49610	99	0.50121	100						
Magnesium	100/50	100.06800	100	49.49550	99	50.04630	100						
Manganese	1/.5	0.97913	98	0.49175	98	0.49785	100						
Molybdenum	1/.5	0.99098	99	0.49026	98	0.49180	98						
Nickel	1/.5	0.97958	98	0.51323	103	0.51927	104						
Selenium	1/.5	0.98873	99	0.49466	99	0.49627	99						
Silver	0.2/.1	0.20476	102	0.09774	98	0.10001	100						
Thallium	1/.5	1.05115	105	0.53631	107	0.53553	107						
Tin	1/.5	1.04489	104	0.50642	101	0.50873	102						
Titanium	1/.5	0.99117	99	0.48772	98	0.49124	98						
Vanadium	1/.5	0.96050	96	0.48866	98	0.49121	98						
Zinc	1/.5	1.00905	101	0.50815	102	0.51426	103						

Report only Ca, Mg GB 2/24/11

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/15/11
Data File: A12318A
Prep Batch: 3327
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP1A
Units: All units in ppm except Hg and icp-ms in ppb

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-107293-8	CCB-20	CCB-28	MB 3327 (0.5)-11				
Aluminum	.2 U	.2 U	.2 U	.14 a				
Antimony	.015 U	.015 U	.015 U	.0075 U				
Arsenic	.04 U	.04 U	.04 U	.02 U				
Barium	.05 U	.05 U	.05 U	.025 U				
Beryllium	.008 U	.008 U	.008 U	.004 U				
Cadmium	.004 U	.004 U	.004 U	.002 U				
Calcium	2 U	2 U	2 U	1 U				
Chromium	.05 U	.05 U	.05 U	.025 U				
Cobalt	.02 U	.02 U	.02 U	.01 U				
Copper	.05 U	.05 U	.05 U	.025 U				
Iron	.3 U	.3 U	.3 U	.15 U				
Lead	.01 U	.01 U	.01 U	.005 U				
Magnesium	2 U	2 U	2 U	1 U				
Manganese	.05 U	.05 U	.05 U	.025 U				
Molybdenum	.02 U	.02 U	.02 U	.01 U				
Nickel	.02 U	.02 U	.02 U	.01 U				
Selenium	.05 U	.05 U	.05 U	.025 U				
Silver	.02 U	.02 U	.02 U	.01 U				
Thallium	.01 U	.01 U	.01 U	.005 U				
Tin	.05 U	.05 U	.05 U	.025 U				
Titanium	.05 U	.05 U	.05 U	.025 U				
Vanadium	.05 U	.05 U	.05 U	.025 U				
Zinc	.07 U	.07 U	.07 U	.035 U				

Report only Ca, Mg
CB 2/24/11

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 02/15/11
Data File: A12318A
Prep Batch: 3327
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP1A
Units: All units in ppm except Hg and icp-ms in ppb

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-106424-9	Rec	ICSAB V-105536-10	Rec	ICSA V-106424-25	Rec	ICSAB V-105536-26	Rec	Rec	Rec	Rec	Rec
Aluminum	500	449.76e	90	444.12000	89	444.832	89	446.22000	89				
Antimony	1	U		0.95116	95	U		0.94628	95				
Arsenic	1	U		0.93385	93	U		0.95775	96				
Barium	.5	U		0.47709	95	U		0.48050	96				
Beryllium	.5	.0435524a		0.54520	109	.0444393a		0.55039	110				
Cadmium	1	.009868a		0.86331	86	.0101184a		0.87290	87				
Calcium	500	442.912	89	438.56300	88	446.919	89	441.61500	88				
Chromium	.5	U		0.45461	91	U		0.46309	93				
Cobalt	.5	U		0.43931	88	U		0.44373	89				
Copper	.5	U		0.51191	102	U		0.51329	103				
Iron	200	168.24e	84	166.57500	83	171.137	86	169.05600	85				
Lead	1	-.0127218b		0.85921	86	-.0148276b		0.86373	86				
Magnesium	500	452.531	91	447.62000	90	457.087	91	452.22000	90				
Manganese	.5	U		0.43575	87	U		0.43653	87				
Nickel	1	U		0.85840	86	U		0.85843	86				
Selenium	1	U		0.89143	89	U		0.89545	90				
Silver	1	U		1.02865	103	U		1.03979	104				
Thallium	1	U		0.85910	86	U		0.88017	88				
Vanadium	.5	U		0.45924	92	U		0.45804	92				
Zinc	1	U		0.90693	91	U		0.92175	92				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3327

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS Matrix: AQUEOUS SampleID: LCSW 3327

Analyte	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	A12318A	12	4.7845	5.000	96		85	115
Antimony	1	A12318A	12	0.4729	.5000	95		85	115
Arsenic	1	A12318A	12	0.4686	.5000	94		85	115
Barium	1	A12318A	12	0.4692	.5000	94		85	115
Beryllium	1	A12318A	12	0.4772	.5000	95		85	115
Cadmium	1	A12318A	12	0.4832	.5000	97		85	115
Calcium	1	A12318A	12	47.8396	50.000	96		85	115
Chromium	1	A12318A	12	0.4739	.5000	95		85	115
Cobalt	1	A12318A	12	0.4875	.5000	98		85	115
Copper	1	A12318A	12	0.4658	.5000	93		85	115
Iron	1	A12318A	12	4.6979	5.000	94		85	115
Lead	1	A12318A	12	0.4753	.5000	95		85	115
Magnesium	1	A12318A	12	48.3934	50.000	97		85	115
Manganese	1	A12318A	12	0.4700	.5000	94		85	115
Molybdenum	1	A12318A	12	0.4576	.5000	92		85	115
Nickel	1	A12318A	12	0.4928	.5000	99		85	115
Selenium	1	A12318A	12	0.4960	.5000	99		85	115
Silver	1	A12318A	12	0.0958	0.1000	96		85	115
Thallium	1	A12318A	12	0.5256	.5000	105		85	115
Tin	1	A12318A	12	0.5164	.5000	103		85	115
Titanium	1	A12318A	12	0.4635	.5000	93		85	115
Vanadium	1	A12318A	12	0.4674	.5000	93		85	115
Zinc	1	A12318A	12	0.4944	.5000	99		85	115

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 3327

Analyte	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	A12318A	13	4.8359	5.000	97		85	115
Antimony	1	A12318A	13	0.4794	.5000	96		85	115
Arsenic	1	A12318A	13	0.4748	.5000	95		85	115
Barium	1	A12318A	13	0.4758	.5000	95		85	115
Beryllium	1	A12318A	13	0.4835	.5000	97		85	115
Cadmium	1	A12318A	13	0.4910	.5000	98		85	115
Calcium	1	A12318A	13	47.9614	50.000	96		85	115
Chromium	1	A12318A	13	0.4761	.5000	95		85	115
Cobalt	1	A12318A	13	0.4935	.5000	99		85	115
Copper	1	A12318A	13	0.4745	.5000	95		85	115
Iron	1	A12318A	13	4.7646	5.000	95		85	115
Lead	1	A12318A	13	0.4810	.5000	96		85	115
Magnesium	1	A12318A	13	48.6719	50.000	97		85	115
Manganese	1	A12318A	13	0.4822	.5000	96		85	115
Molybdenum	1	A12318A	13	0.4617	.5000	92		85	115
Nickel	1	A12318A	13	0.4976	.5000	100		85	115
Selenium	1	A12318A	13	0.5046	.5000	101		85	115
Silver	1	A12318A	13	0.0978	0.1000	98		85	115
Thallium	1	A12318A	13	0.5324	.5000	106		85	115
Tin	1	A12318A	13	0.5191	.5000	104		85	115
Titanium	1	A12318A	13	0.4699	.5000	94		85	115
Vanadium	1	A12318A	13	0.4726	.5000	95		85	115
Zinc	1	A12318A	13	0.5009	.5000	100		85	115

Report only Ca, Mg

CB 2/24/11

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3327

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS Matrix: AQUEOUS SampleID: AC56873-004

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	A12318A	16	A12318A	14	4.8287	0.2U	5.000	97		70	130
Antimony	1	A12318A	16	A12318A	14	0.4606	.015U	.5000	92		70	130
Arsenic	1	A12318A	16	A12318A	14	0.4595	0.040U	.5000	92		70	130
Barium	1	A12318A	16	A12318A	14	0.5733	0.1481	.5000	85		70	130
Beryllium	1	A12318A	16	A12318A	14	0.4687	.008U	.5000	94		70	130
Cadmium	1	A12318A	16	A12318A	14	0.4322	.004U	.5000	86		70	130
Calcium	1	A12318A	16	A12318A	14	231.4630	192.2070	50.000	79		70	130
Chromium	1	A12318A	16	A12318A	14	0.4428	0.05U	.5000	89		70	130
Cobalt	1	A12318A	16	A12318A	14	0.4281	.02U	.5000	86		70	130
Copper	1	A12318A	16	A12318A	14	0.4455	0.050U	.5000	89		70	130
Iron	1	A12318A	16	A12318A	14	4.3392	0.300U	5.000	87		70	130
Lead	1	A12318A	16	A12318A	14	0.4316	0.010U	.5000	86		70	130
Magnesium	1	A12318A	16	A12318A	14	74.1802	31.1443	50.000	86		70	130
Manganese	1	A12318A	16	A12318A	14	0.4944	0.0606	.5000	87		70	130
Molybdenum	1	A12318A	16	A12318A	14	0.4505	.02U	.5000	90		70	130
Nickel	1	A12318A	16	A12318A	14	0.4216	.02U	.5000	84		70	130
Selenium	1	A12318A	16	A12318A	14	0.4824	0.05U	.5000	96		70	130
Silver	1	A12318A	16	A12318A	14	0.0933	0.02U	0.100	93		70	130
Thallium	1	A12318A	16	A12318A	14	0.4463	.010U	.5000	89		70	130
Tin	1	A12318A	16	A12318A	14	0.4883	.05U	.5000	98		70	130
Titanium	1	A12318A	16	A12318A	14	0.4407	.05U	.5000	88		70	130
Vanadium	1	A12318A	16	A12318A	14	0.5587	0.1332	.5000	85		70	130
Zinc	1	A12318A	16	A12318A	14	0.4618	.07U	.5000	92		70	130

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC56873-004

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	A12318A	17	A12318A	14	5.1936	0.2U	5.000	104		70	130
Antimony	1	A12318A	17	A12318A	14	0.4669	.015U	.5000	93		70	130
Arsenic	1	A12318A	17	A12318A	14	0.4661	0.040U	.5000	93		70	130
Barium	1	A12318A	17	A12318A	14	0.5860	0.1481	.5000	88		70	130
Beryllium	1	A12318A	17	A12318A	14	0.4776	.008U	.5000	96		70	130
Cadmium	1	A12318A	17	A12318A	14	0.4384	.004U	.5000	88		70	130
Calcium	1	A12318A	17	A12318A	14	235.1050	192.2070	50.000	86		70	130
Chromium	1	A12318A	17	A12318A	14	0.4496	0.05U	.5000	90		70	130
Cobalt	1	A12318A	17	A12318A	14	0.4346	.02U	.5000	87		70	130
Copper	1	A12318A	17	A12318A	14	0.4537	0.050U	.5000	91		70	130
Iron	1	A12318A	17	A12318A	14	4.4146	0.300U	5.000	88		70	130
Lead	1	A12318A	17	A12318A	14	0.4386	0.010U	.5000	88		70	130
Magnesium	1	A12318A	17	A12318A	14	75.2215	31.1443	50.000	88		70	130
Manganese	1	A12318A	17	A12318A	14	0.5018	0.0606	.5000	88		70	130
Molybdenum	1	A12318A	17	A12318A	14	0.4582	.02U	.5000	92		70	130
Nickel	1	A12318A	17	A12318A	14	0.4295	.02U	.5000	86		70	130
Selenium	1	A12318A	17	A12318A	14	0.4894	0.05U	.5000	98		70	130
Silver	1	A12318A	17	A12318A	14	0.0946	0.02U	0.100	95		70	130
Thallium	1	A12318A	17	A12318A	14	0.4528	.010U	.5000	91		70	130
Tin	1	A12318A	17	A12318A	14	0.4925	.05U	.5000	99		70	130
Titanium	1	A12318A	17	A12318A	14	0.4460	.05U	.5000	89		70	130
Vanadium	1	A12318A	17	A12318A	14	0.5671	0.1332	.5000	87		70	130
Zinc	1	A12318A	17	A12318A	14	0.4819	.07U	.5000	96		70	130

Report only Ca, Mg
GB 2/24/14

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3327

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: AQUEOUS SampleID: AC56873-004

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	1	A12318A	18	A12318A	14	4.8579	0.2U	5.00	97		85	115
Antimony	1	A12318A	18	A12318A	14	0.4721	.015U	.500	94		85	115
Arsenic	1	A12318A	18	A12318A	14	0.4629	0.040U	.500	93		85	115
Barium	1	A12318A	18	A12318A	14	0.5756	0.1481	.500	85		85	115
Beryllium	1	A12318A	18	A12318A	14	0.4765	.008U	.500	95		85	115
Cadmium	1	A12318A	18	A12318A	14	0.4360	.004U	.500	87		85	115
Calcium	1	A12318A	18	A12318A	14	228.0950	192.2070	50	72	a	85	115
Chromium	1	A12318A	18	A12318A	14	0.4493	0.05U	.500	90		85	115
Cobalt	1	A12318A	18	A12318A	14	0.4332	.02U	.500	87		85	115
Copper	1	A12318A	18	A12318A	14	0.4592	0.050U	.500	92		85	115
Iron	1	A12318A	18	A12318A	14	4.3628	0.300U	5	87		85	115
Lead	1	A12318A	18	A12318A	14	0.4372	0.010U	.500	87		85	115
Magnesium	1	A12318A	18	A12318A	14	74.2483	31.1443	50	86		85	115
Manganese	1	A12318A	18	A12318A	14	0.5002	0.0606	.500	88		85	115
Molybdenum	1	A12318A	18	A12318A	14	0.4642	.02U	.500	93		85	115
Nickel	1	A12318A	18	A12318A	14	0.4284	.02U	.500	86		85	115
Selenium	1	A12318A	18	A12318A	14	0.4900	0.05U	.500	98		85	115
Silver	1	A12318A	18	A12318A	14	0.0908	0.02U	.1	91		85	115
Thallium	1	A12318A	18	A12318A	14	0.4599	.010U	.500	92		85	115
Tin	1	A12318A	18	A12318A	14	0.4984	.05U	.500	100		85	115
Titanium	1	A12318A	18	A12318A	14	0.4550	.05U	.500	91		85	115
Vanadium	1	A12318A	18	A12318A	14	0.5611	0.1332	.500	86		85	115
Zinc	1	A12318A	18	A12318A	14	0.4729	.07U	.500	95		85	115

Report only Ca, Mg
CB 2/24/11

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3327

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 3327

Analyte	Data File	Seq#:	NS Data File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	A12318A	13	A12318A	12	4.8359	4.7845	1.1	20
Antimony	A12318A	13	A12318A	12	0.4794	0.4729	1.4	20
Arsenic	A12318A	13	A12318A	12	0.4748	0.4686	1.3	20
Barium	A12318A	13	A12318A	12	0.4758	0.4692	1.4	20
Beryllium	A12318A	13	A12318A	12	0.4835	0.4772	1.3	20
Cadmium	A12318A	13	A12318A	12	0.4910	0.4832	1.6	20
Calcium	A12318A	13	A12318A	12	47.9614	47.8396	.25	20
Chromium	A12318A	13	A12318A	12	0.4761	0.4739	.46	20
Cobalt	A12318A	13	A12318A	12	0.4935	0.4875	1.2	20
Copper	A12318A	13	A12318A	12	0.4745	0.4658	1.8	20
Iron	A12318A	13	A12318A	12	4.7646	4.6979	1.4	20
Lead	A12318A	13	A12318A	12	0.4810	0.4753	1.2	20
Magnesium	A12318A	13	A12318A	12	48.6719	48.3934	.57	20
Manganese	A12318A	13	A12318A	12	0.4822	0.4700	2.6	20
Molybdenum	A12318A	13	A12318A	12	0.4617	0.4576	.88	20
Nickel	A12318A	13	A12318A	12	0.4976	0.4928	.97	20
Selenium	A12318A	13	A12318A	12	0.5046	0.4960	1.7	20
Silver	A12318A	13	A12318A	12	0.0978	0.0958	2.1	20
Thallium	A12318A	13	A12318A	12	0.5324	0.5256	1.3	20
Tin	A12318A	13	A12318A	12	0.5191	0.5164	.53	20
Titanium	A12318A	13	A12318A	12	0.4699	0.4635	1.4	20
Vanadium	A12318A	13	A12318A	12	0.4726	0.4674	1.1	20
Zinc	A12318A	13	A12318A	12	0.5009	0.4944	1.3	20

TxtQcType: MR Matrix: AQUEOUS SampleID: AC56873-004

Analyte	Data File	Seq#:	NS Data File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	A12318A	15	A12318A	14	0.2U	0.2U	---	20
Antimony	A12318A	15	A12318A	14	.015U	.015U	---	20
Arsenic	A12318A	15	A12318A	14	0.040U	0.040U	---	20
Barium	A12318A	15	A12318A	14	0.1531	0.1481	3.3	20
Beryllium	A12318A	15	A12318A	14	.008U	.008U	---	20
Cadmium	A12318A	15	A12318A	14	.004U	.004U	---	20
Calcium	A12318A	15	A12318A	14	200.2080	192.2070	4.1	20
Chromium	A12318A	15	A12318A	14	0.05U	0.05U	---	20
Cobalt	A12318A	15	A12318A	14	.02U	.02U	---	20
Copper	A12318A	15	A12318A	14	0.050U	0.050U	---	20
Iron	A12318A	15	A12318A	14	0.300U	0.300U	---	20
Lead	A12318A	15	A12318A	14	0.010U	0.010U	---	20
Magnesium	A12318A	15	A12318A	14	32.6269	31.1443	4.6	20
Manganese	A12318A	15	A12318A	14	0.0630	0.0606	3.9	20
Molybdenum	A12318A	15	A12318A	14	.02U	.02U	---	20
Nickel	A12318A	15	A12318A	14	.02U	.02U	---	20
Selenium	A12318A	15	A12318A	14	0.05U	0.05U	---	20
Silver	A12318A	15	A12318A	14	0.02U	0.02U	---	20
Thallium	A12318A	15	A12318A	14	.010U	.010U	---	20
Tin	A12318A	15	A12318A	14	.05U	.05U	---	20
Titanium	A12318A	15	A12318A	14	.05U	.05U	---	20
Vanadium	A12318A	15	A12318A	14	0.1377	0.1332	3.3	20
Zinc	A12318A	15	A12318A	14	.07U	.07U	---	20

Report only Ca, Mg

GB 2/24/11

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3327

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC56873-004

Analyte	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	A12318A	17	A12318A	16	5.1936	4.8287	7.3	20
Antimony	A12318A	17	A12318A	16	0.4669	0.4606	1.4	20
Arsenic	A12318A	17	A12318A	16	0.4661	0.4595	1.4	20
Barium	A12318A	17	A12318A	16	0.5860	0.5733	2.2	20
Beryllium	A12318A	17	A12318A	16	0.4776	0.4687	1.9	20
Cadmium	A12318A	17	A12318A	16	0.4384	0.4322	1.4	20
Calcium	A12318A	17	A12318A	16	235.1050	231.4630	1.6	20
Chromium	A12318A	17	A12318A	16	0.4496	0.4428	1.5	20
Cobalt	A12318A	17	A12318A	16	0.4346	0.4281	1.5	20
Copper	A12318A	17	A12318A	16	0.4537	0.4455	1.8	20
Iron	A12318A	17	A12318A	16	4.4146	4.3392	1.7	20
Lead	A12318A	17	A12318A	16	0.4386	0.4316	1.6	20
Magnesium	A12318A	17	A12318A	16	75.2215	74.1802	1.4	20
Manganese	A12318A	17	A12318A	16	0.5018	0.4944	1.5	20
Molybdenum	A12318A	17	A12318A	16	0.4582	0.4505	1.7	20
Nickel	A12318A	17	A12318A	16	0.4295	0.4216	1.9	20
Selenium	A12318A	17	A12318A	16	0.4894	0.4824	1.4	20
Silver	A12318A	17	A12318A	16	0.0946	0.0933	1.3	20
Thallium	A12318A	17	A12318A	16	0.4528	0.4463	1.4	20
Tin	A12318A	17	A12318A	16	0.4925	0.4883	.85	20
Titanium	A12318A	17	A12318A	16	0.4460	0.4407	1.2	20
Vanadium	A12318A	17	A12318A	16	0.5671	0.5587	1.5	20
Zinc	A12318A	17	A12318A	16	0.4819	0.4618	4.3	20

TxtQcType: SD Matrix: AQUEOUS SampleID: AC56873-004

Analyte	Data File	Seq#:	MS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	A12318A	21	A12318A	14	5	0.0017	0.1025	---		10
Antimony	A12318A	21	A12318A	14	5	-0.0019	-0.0033	---		10
Arsenic	A12318A	21	A12318A	14	5	-0.0034	-0.0028	---		10
Barium	A12318A	21	A12318A	14	5	0.0327	0.1481	10		10
Beryllium	A12318A	21	A12318A	14	5	0.0000	0.0001	---		10
Cadmium	A12318A	21	A12318A	14	5	0.0003	0.0005	---		10
Calcium	A12318A	21	A12318A	14	5	41.9354	192.2070	9.1		10
Chromium	A12318A	21	A12318A	14	5	-0.0058	-0.0045	---		10
Cobalt	A12318A	21	A12318A	14	5	-0.0077	-0.0079	---		10
Copper	A12318A	21	A12318A	14	5	-0.0008	0.0008	---		10
Iron	A12318A	21	A12318A	14	5	-0.0678	-0.0311	---		10
Lead	A12318A	21	A12318A	14	5	-0.0094	-0.0101	---		10
Magnesium	A12318A	21	A12318A	14	5	6.8373	31.1443	9.8		10
Manganese	A12318A	21	A12318A	14	5	0.0130	0.0606	7		10
Molybdenum	A12318A	21	A12318A	14	5	-0.0039	0.0113	---		10
Nickel	A12318A	21	A12318A	14	5	0.0019	0.0009	1010	c	10
Selenium	A12318A	21	A12318A	14	5	0.0260	0.0436	198	c	10
Silver	A12318A	21	A12318A	14	5	0.0005	0.0013	---		10
Thallium	A12318A	21	A12318A	14	5	-0.0002	0.0045	---		10
Tin	A12318A	21	A12318A	14	5	-0.0031	-0.0022	---		10
Titanium	A12318A	21	A12318A	14	5	-0.0001	-0.0004	---		10
Vanadium	A12318A	21	A12318A	14	5	0.0218	0.1332	18	a	10
Zinc	A12318A	21	A12318A	14	5	0.0127	0.0184	246	c	10

Report only Ca, Mg
GB 2/24/11

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

Metal Data
Verification of Instrument Parameters

INTERELEMENT CORRECTION SUMMARY
PEICP1

Interfering Elements

Interfered Elements	Al	Ca	Fe	Mg	Mn	Zn	Ti	Mo
Al	N/A	0	0	0	0	0	0	18.2
Sb	-0.021	-0.003	-0.0315	0	0	0	0	-13.7
As	0	-0.0181	-0.0757	0.0102	0	0	2.69	0
Ba	0	0	-0.0384	0	0	0	0	-0.673
Be	0	0	-0.425	0	0	0	0	0.114
Cd	0	0	0.0919	0	0	0	0	0
Ca	0	N/A	0	0	0	0	0	0
Cr	0.0144	0	0	0	0	-7.89	0	-0.338
Co	0	0	0.000428	0	0	0	1.851	-0.478
Cu	0	0.0245	0	0	0	0	-0.334	0.605
Fe	0	0	N/A	0	0	0	0	0
Pb	-0.086	-0.0198	0.0411	0.00506	0	0	-0.684	-1
Mg	0	0	0	N/A	0	0	0	0
Mn	0	0	-0.0482	0.0537	N/A	0	0.0369	0
Mo	-0.0327	0	-0.0346	0	0	0	0	N/A
Ni	0	0	0.0317	0	0	0	0	-0.469
Se	0.00443	0.16	-0.0307	0	0	0	0.0688	0
Ag	0	-0.0189	-0.0315	0	0	0	0	0
Tl	-0.0341	0.00314	-0.0341	0	-2.48	0	-11.3	0.322
Sn	0.00402	-0.0406	0	-0.00504	0	0	-0.527	0
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0	0.324	0	0	0	-7.42
Zn	0	0	0	0.0272	0	0	0	0

IEC'S RUN 09/24/2010
modified Co on 12/21/10, Sn on 1/13/11, Zn on 1/20/11. modified Sb, Se on 1/31/11. modified As on 2/3/11, Be on 2/10/11. modified Ba, Cd, Mn, Pb, Tl, V on 2/14/11.

LINEAR RANGES
PE ICP 1
AXIAL

ELEMENT	LINEAR RANGE (PPM)
Al	450
Sb	45
As	45
Ba	36
Be	9
Cd	36
Ca	630
Cr	45
Co	45
Cu	45
Fe	360
Pb	45
Mg	900
Mn	27
Mo	45
Ni	45
Se	45
Ag	1.8
Tl	45
Sn	45
Ti	45
V	36
Zn	45

Sn analyzed on 5/17/10. Be, Cu, Tl, Zn, Mn, V, and Ag analyzed on 5/14/10. Ca and Mg analyzed on 05/20/10. All the others anayzed on 5/13/10.

MDL / RL SUMMARY
200.7
PE ICP 1

ELEMENT	MDL (Mg/L)	Reporting Limits (Mg/L)
Al	0.0633	0.2
Sb	0.00201	0.015
As	0.00279	0.04
Ba	0.000284	0.05
Be	0.000119	0.008
Cd	0.000166	0.004
Ca	0.230	2
Cr	0.000544	0.05
Co	0.000323	0.02
Cu	0.000862	0.05
Fe	0.0394	0.3
Pb	0.00382	0.01
Mg	0.0394	2
Mn	0.000406	0.05
Mo	0.000408	0.02
Ni	0.00147	0.02
Se	0.00362	0.05
Ag	0.00102	0.02
Tl	0.00285	0.01
Sn	0.00177	0.05
Ti	0.000332	0.05
V	0.000346	0.05
Zn	0.00715	0.07

Ba,Be,Pb,Ni,Zn,and Ti analyzed on 08/28/10. Mn,Mo,Fe,Cu, and Co analyzed on 09/03/10. V analyzed on 09/08/10. All other elements analyzed on 09/02/10.

Metal Data
Raw Data

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP1A\A12318A.txt

Analysis Date: 02/15/11 **Instrument:** PEICP1A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-107293	1	CAL	17:00	1							V-107293(ICB/CCB)
Calib Std 1 V-104185	1	CAL	17:03	2							V-104185(ICS1 Lowest std)
Calib Std 2 V-104863	1	CAL	17:06	3							V-104863(ICS2- Low Std)
Calib Std 3 V-105541	1	CAL	17:09	4							V-105541(ICS3 - Middle Std)
Calib Std 4 V-106428	1	CAL	17:12	5							V-106428(ICS4 - High std)
ICS4 V-106428	1	ICS	17:15	6							V-106428(ICS4 - High std)
ICV V-105539 (2)	1	ICV	17:18	7							V-105539(ICV)
ICB V-107293	1	ICB	17:21	8							V-107293(ICB/CCB)
ICSA V-106424	1	ICSA	17:24	9							V-106424(ICSA)
ICSAB V-105536	1	ICSAB	17:28	10							V-105536(ICSAB)
MB 3327 (0.5)	1	MB	17:32	11		AQUEO	AQUEO	EPA600	3327		()
LCSW 3327	1	LCS	17:35	12		AQUEO	AQUEO	EPA600	3327		()
LCSW MR 3327	1	LCS	17:38	13		AQUEO	AQUEO	EPA600	3327		()
AC56873-004	1	SMP	17:41	14		AQUEO	AQUEO	EPA600	3327		()
AC56873-004	1	MR	17:44	15		AQUEO	AQUEO	EPA600	3327		()
AC56873-004	1	MS	17:47	16		AQUEO	AQUEO	EPA600	3327		()
AC56873-004	1	MSD	17:51	17		AQUEO	AQUEO	EPA600	3327		()
AC56873-004	1	PS	17:54	18		AQUEO	AQUEO	EPA600	3327		()
CCV V-106422	1	CCV	17:57	19							V-106422(CCV)
CCB	1	CCB	18:00	20							()
AC56873-004	5	SD	18:03	21		AQUEO	AQUEO	EPA600	3327		()
AC57127-005	1	SMP	18:06	22	MET-3-AQ	AQUEO	AQUEO	EPA600	3327		()
AC57127-006	1	SMP	18:10	23	MET-3-AQ	AQUEO	AQUEO	EPA600	3327		()
AC57100-002	1	SMP	18:13	24		AQUEO	AQUEO	EPA600	3327		()
ICSA V-106424	1	ICSA	18:16	25							V-106424(ICSA)
ICSAB V-105536	1	ICSAB	18:21	26							V-105536(ICSAB)
CCV V-106422	1	CCV	18:24	27							V-106422(CCV)
CCB	1	CCB	18:27	28							()

Comments/Reviewedby:

sean
192.168.1.17 2/16/2011 12:08:37 PM

OK

2/16/11

Standard/Batch/SnCl2 Lot #:

File A12318A SB 2/16 Batch 12318 600 H_2O

Method: PE1 3000DV AXIAL Page 1 Date: 2/15/2011 5:02:20 PM

Analyst S Rob 2/16/11

Analysis Begun

Start Time: 2/15/2011 4:59:22 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 3300 DV, S/N 069N5072002
Plasma On Time: 2/15/2011 9:59:25 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\IDL.sif
Batch ID: 8336
Results Data Set: A12318A
Results Library: C:\pe\Administrator\Results\Results.mdb

Shiam 2/16/11

Method Loaded
Method Name: PE1 3000DV AXIAL
IEC File: IEC092410.iec
Method Description: 200.7/6010B
Method Last Saved: 2/9/2011 4:30:28 PM
MSF File:

Sequence No.: 1
Sample ID: Calib Blk 1 V-107293
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 2/15/2011 5:00:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-107293

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	11996.4	5.95	0.05%	[0.00]	mg/L
Sb 206.836	18.8	2.91	15.47%	[0.00]	mg/L
As 188.979	-22.4	5.04	22.52%	[0.00]	mg/L
Ba 233.527	192.9	3.17	1.64%	[0.00]	mg/L
Be 234.861	-398.2	2.31	0.58%	[0.00]	mg/L
Cd 226.502	-112.6	0.09	0.08%	[0.00]	mg/L
Ca 315.887	-883.6	9.10	1.03%	[0.00]	mg/L
Cr 206.158	31.6	2.61	8.24%	[0.00]	mg/L
Co 228.616	-104.6	0.54	0.51%	[0.00]	mg/L
Cu 324.752	2560.7	29.16	1.14%	[0.00]	mg/L
Fe 273.955	360.3	3.00	0.83%	[0.00]	mg/L
Pb 220.353	46.0	11.08	24.10%	[0.00]	mg/L
Mg 279.077	1465.0	11.15	0.76%	[0.00]	mg/L
Mn 257.610	200.9	0.15	0.07%	[0.00]	mg/L
Mo 202.031	-106.4	2.88	2.71%	[0.00]	mg/L
Ni 231.604	160.8	3.25	2.02%	[0.00]	mg/L
Se 196.026	-28.9	3.67	12.70%	[0.00]	mg/L
Ag 328.068	-76.0	44.49	58.50%	[0.00]	mg/L
Na 330.237	549.0	88.24	16.07%	[0.00]	mg/L
Tl 190.801	-61.1	2.81	4.60%	[0.00]	mg/L
Sn 189.927	-17.6	2.12	12.03%	[0.00]	mg/L
Ti 334.940	416.5	22.92	5.50%	[0.00]	mg/L
V 292.402	-244.4	14.82	6.06%	[0.00]	mg/L
Zn 206.200	44.7	3.43	7.68%	[0.00]	mg/L

12318

Fe, Pb, Zn reported

Sequence No.: 2
Sample ID: Calib Std 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 158
Date Collected: 2/15/2011 5:03:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 188.979	4.5	1.64	36.62%	[0.005]	mg/L
Be 234.861	1078.2	9.71	0.90%	[0.003]	mg/L
Cd 226.502	161.5	2.45	1.52%	[0.003]	mg/L
Pb 220.353	14.7	1.52	10.34%	[0.004]	mg/L
Tl 190.801	5.5	0.91	16.52%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2 V-104863
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 2/15/2011 5:06:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 2 V-104863

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	1583.2	104.19	6.58%	[0.1]	mg/L
Sb 206.836	31.7	1.01	3.20%	[0.01]	mg/L
As 188.979	22.1	2.27	10.29%	[0.01]	mg/L
Ba 233.527	577.3	0.80	0.14%	[0.01]	mg/L
Be 234.861	5868.0	28.22	0.48%	[0.01]	mg/L
Cd 226.502	871.7	8.69	1.00%	[0.01]	mg/L
Ca 315.887	42252.6	513.02	1.21%	[1]	mg/L
Cr 206.158	236.3	1.15	0.49%	[0.01]	mg/L
Co 228.616	382.3	0.93	0.24%	[0.01]	mg/L
Cu 324.752	2145.5	25.30	1.18%	[0.01]	mg/L
Fe 273.955	2262.5	12.68	0.56%	[0.1]	mg/L
Pb 220.353	62.6	1.88	3.00%	[0.01]	mg/L
Mg 279.077	13441.9	166.87	1.24%	[1]	mg/L
Mn 257.610	4415.2	39.96	0.91%	[0.01]	mg/L
Mo 202.031	219.8	1.75	0.80%	[0.01]	mg/L
Ni 231.604	337.3	2.36	0.70%	[0.01]	mg/L
Se 196.026	37.2	7.14	19.20%	[0.01]	mg/L
Ag 328.068	385.5	1.49	0.39%	[0.002]	mg/L
Na 330.237	595.7	26.92	4.52%	[1]	mg/L
Tl 190.801	23.5	0.78	3.31%	[0.01]	mg/L
Sn 189.927	66.0	0.07	0.11%	[0.01]	mg/L
Ti 334.940	3299.0	123.23	3.74%	[0.01]	mg/L
V 292.402	1064.0	19.10	1.80%	[0.01]	mg/L
Zn 206.200	263.3	3.05	1.16%	[0.01]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3 V-105541
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/15/2011 5:09:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3 V-105541

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	46896.3	210.72	0.45%	[5]	mg/L
Sb 206.836	1008.7	2.21	0.22%	[0.5]	mg/L
As 188.979	654.3	3.18	0.49%	[0.5]	mg/L
Ba 233.527	16254.5	1.35	0.01%	[0.5]	mg/L
Be 234.861	168781.3	763.05	0.45%	[0.5]	mg/L
Cd 226.502	24785.4	61.13	0.25%	[0.5]	mg/L
Ca 315.887	1252038.3	6719.69	0.54%	[50]	mg/L
Cr 206.158	6578.0	35.27	0.54%	[0.5]	mg/L
Co 228.616	10669.9	21.09	0.20%	[0.5]	mg/L
Cu 324.752	59963.2	431.27	0.72%	[0.5]	mg/L
Fe 273.955	63859.5	303.88	0.48%	[5]	mg/L
Pb 220.353	1969.5	3.06	0.16%	[0.5]	mg/L
Mg 279.077	394336.4	920.65	0.23%	[50]	mg/L
Mn 257.610	120696.5	449.39	0.37%	[0.5]	mg/L
Mo 202.031	6066.6	7.35	0.12%	[0.5]	mg/L
Ni 231.604	9466.9	130.94	1.38%	[0.5]	mg/L
Se 196.026	968.7	3.65	0.38%	[0.5]	mg/L
Ag 328.068	11069.2	7.20	0.07%	[0.1]	mg/L
Na 330.237	23110.2	90.49	0.39%	[50]	mg/L
Tl 190.801	650.2	0.52	0.08%	[0.5]	mg/L
Sn 189.927	1817.2	3.41	0.19%	[0.5]	mg/L
Ti 334.940	92628.6	709.80	0.77%	[0.5]	mg/L
V 292.402	29147.2	184.12	0.63%	[0.5]	mg/L
Zn 206.200	7075.5	5.70	0.08%	[0.5]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4 V-106428
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 2/15/2011 5:12:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4 V-106428

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	95077.2	842.69	0.89%	[10]	mg/L
Sb 206.836	1937.5	13.29	0.69%	[1.0]	mg/L
As 188.979	1292.7	14.11	1.09%	[1.0]	mg/L
Ba 233.527	31624.2	64.63	0.20%	[1.0]	mg/L
Be 234.861	337568.5	582.63	0.17%	[1.0]	mg/L
Cd 226.502	47949.3	49.33	0.10%	[1.0]	mg/L
Ca 315.887	2408233.7	19984.86	0.83%	[100]	mg/L
Cr 206.158	12877.2	117.52	0.91%	[1.0]	mg/L
Co 228.616	20133.6	100.19	0.50%	[1.0]	mg/L
Cu 324.752	120903.3	378.14	0.31%	[1.0]	mg/L
Fe 273.955	123199.2	588.64	0.48%	[10]	mg/L
Pb 220.353	3863.9	6.10	0.16%	[1.0]	mg/L
Mg 279.077	768046.6	1980.17	0.26%	[100]	mg/L
Mn 257.610	235307.4	958.07	0.41%	[1.0]	mg/L
Mo 202.031	11629.5	28.44	0.24%	[1.0]	mg/L
Ni 231.604	17951.0	92.76	0.52%	[1.0]	mg/L
Se 196.026	1854.9	5.33	0.29%	[1.0]	mg/L
Ag 328.068	22100.6	114.04	0.52%	[0.2]	mg/L
Na 330.237	49973.1	669.46	1.34%	[100]	mg/L
Tl 190.801	1242.8	2.20	0.18%	[1.0]	mg/L
Sn 189.927	3431.4	19.57	0.57%	[1.0]	mg/L
Ti 334.940	178331.6	1045.26	0.59%	[1.0]	mg/L
V 292.402	55873.3	348.55	0.62%	[1.0]	mg/L
Zn 206.200	13926.7	62.24	0.45%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	3	Lin, Calc Int	170.2	9462	0.00000	0.999945	
Sb 206.836	3	Lin, Calc Int	12.9	1938	0.00000	0.999792	
As 188.979	4	Lin, Calc Int	3.2	1292	0.00000	0.999960	
Ba 233.527	3	Lin Thru 0	0.0	31800	0.00000	0.999912	
Be 234.861	4	Lin Thru 0	0.0	337600	0.00000	0.999978	
Cd 226.502	4	Lin Thru 0	0.0	48280	0.00000	0.999884	
Ca 315.887	3	Lin, Calc Int	16971.0	24070	0.00000	0.999805	
Cr 206.158	3	Lin, Calc Int	74.2	12840	0.00000	0.999933	
Co 228.616	3	Lin, Calc Int	191.9	20140	0.00000	0.999561	
Cu 324.752	3	Lin, Calc Int	336.3	120300	0.00000	0.999958	
Fe 273.955	3	Lin, Calc Int	879.1	12300	0.00000	0.999833	
Pb 220.353	4	Lin, Calc Int	11.9	3865	0.00000	0.999947	
Mg 279.077	3	Lin Thru 0	0.0	7722	0.00000	0.999921	
Mn 257.610	3	Lin Thru 0	0.0	236500	0.00000	0.999917	
Mo 202.031	3	Lin, Calc Int	92.8	11620	0.00000	0.999769	
Ni 231.604	3	Lin Thru 0	0.0	18150	0.00000	0.999736	
Se 196.026	3	Lin, Calc Int	16.0	1852	0.00000	0.999754	
Ag 328.068	3	Lin Thru 0	0.0	110500	0.00000	0.999978	
Na 330.237	3	Lin, Calc Int	-297.9	495.8	0.00000	0.999213	
Tl 190.801	4	Lin, Calc Int	6.8	1246	0.00000	0.999740	
Sn 189.927	3	Lin, Calc Int	32.9	3433	0.00000	0.999571	
Ti 334.940	3	Lin Thru 0	0.0	179700	0.00000	0.999853	
V 292.402	3	Lin, Calc Int	449.7	55820	0.00000	0.999768	
Zn 206.200	3	Lin, Calc Int	76.7	13880	0.00000	0.999952	

Sequence No.: 6
Sample ID: ICS4 V-106428
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 2/15/2011 5:15:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS4 V-106428

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	95499.3	10.0569	mg/L	0.03077	10.0569	mg/L	0.03077	0.31%
QC value within limits for Al 308.215 Recovery = 100.57%								
Sb 206.836	1932.6	1.00496	mg/L	0.003159	1.00496	mg/L	0.003159	0.31%
QC value within limits for Sb 206.836 Recovery = 100.50%								
As 188.979	1285.9	0.991629	mg/L	0.0020079	0.991629	mg/L	0.0020079	0.20%
QC value within limits for As 188.979 Recovery = 99.16%								
Ba 233.527	31530.7	0.992479	mg/L	0.0014031	0.992479	mg/L	0.0014031	0.14%
QC value within limits for Ba 233.527 Recovery = 99.25%								
Be 234.861	337971.9	1.00548	mg/L	0.000725	1.00548	mg/L	0.000725	0.07%
QC value within limits for Be 234.861 Recovery = 100.55%								
Cd 226.502	48153.1	0.996524	mg/L	0.0019847	0.996524	mg/L	0.0019847	0.20%
QC value within limits for Cd 226.502 Recovery = 99.65%								
Ca 315.887	2407662.0	99.3205	mg/L	0.14625	99.3205	mg/L	0.14625	0.15%
QC value within limits for Ca 315.887 Recovery = 99.32%								
Cr 206.158	12845.8	1.00245	mg/L	0.002870	1.00245	mg/L	0.002870	0.29%
QC value within limits for Cr 206.158 Recovery = 100.25%								
Co 228.616	20096.4	0.986729	mg/L	0.0005188	0.986729	mg/L	0.0005188	0.05%
QC value within limits for Co 228.616 Recovery = 98.67%								
Cu 324.752	121438.8	1.00389	mg/L	0.005567	1.00389	mg/L	0.005567	0.55%
QC value within limits for Cu 324.752 Recovery = 100.39%								
Fe 273.955	123151.0	9.93681	mg/L	0.019680	9.93681	mg/L	0.019680	0.20%
QC value within limits for Fe 273.955 Recovery = 99.37%								
Pb 220.353	3841.7	0.994563	mg/L	0.0006744	0.994563	mg/L	0.0006744	0.07%
QC value within limits for Pb 220.353 Recovery = 99.46%								
Mg 279.077	767400.2	99.3762	mg/L	0.25039	99.3762	mg/L	0.25039	0.25%
QC value within limits for Mg 279.077 Recovery = 99.38%								
Mn 257.610	235248.0	0.989637	mg/L	0.0037552	0.989637	mg/L	0.0037552	0.38%
QC value within limits for Mn 257.610 Recovery = 98.96%								
Mo 202.031	11592.3	0.990387	mg/L	0.0000971	0.990387	mg/L	0.0000971	0.01%
QC value within limits for Mo 202.031 Recovery = 99.04%								
Ni 231.604	17871.6	0.984873	mg/L	0.0035884	0.984873	mg/L	0.0035884	0.36%
QC value within limits for Ni 231.604 Recovery = 98.49%								
Se 196.026	1847.4	0.972417	mg/L	0.0071779	0.972417	mg/L	0.0071779	0.74%
QC value within limits for Se 196.026 Recovery = 97.24%								
Ag 328.068	22225.0	0.203238	mg/L	0.0007078	0.203238	mg/L	0.0007078	0.35%
QC value within limits for Ag 328.068 Recovery = 101.62%								
Na 330.237	50242.9	101.931	mg/L	0.4052	101.931	mg/L	0.4052	0.40%
QC value within limits for Na 330.237 Recovery = 101.93%								
Tl 190.801	1232.8	0.997497	mg/L	0.0001278	0.997497	mg/L	0.0001278	0.01%
QC value within limits for Tl 190.801 Recovery = 99.75%								
Sn 189.927	3424.6	0.993134	mg/L	0.0031010	0.993134	mg/L	0.0031010	0.31%
QC value within limits for Sn 189.927 Recovery = 99.31%								
Ti 334.940	177747.0	0.988974	mg/L	0.0036872	0.988974	mg/L	0.0036872	0.37%
QC value within limits for Ti 334.940 Recovery = 98.90%								
V 292.402	55698.3	0.964934	mg/L	0.0091710	0.964934	mg/L	0.0091710	0.95%
QC value within limits for V 292.402 Recovery = 96.49%								
Zn 206.200	14002.9	1.00063	mg/L	0.005707	1.00063	mg/L	0.005707	0.57%
QC value within limits for Zn 206.200 Recovery = 100.06%								

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: ICV V-105539 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 159
Date Collected: 2/15/2011 5:18:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-105539 (2)

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	97786.2	10.2986	mg/L	0.06216	10.2986	mg/L	0.06216	0.60%
QC value within limits for Al 308.215 Recovery = 102.99%								
Sb 206.836	1927.8	1.00250	mg/L	0.000804	1.00250	mg/L	0.000804	0.08%
QC value within limits for Sb 206.836 Recovery = 100.25%								
As 188.979	1293.4	0.997424	mg/L	0.0113754	0.997424	mg/L	0.0113754	1.14%
QC value within limits for As 188.979 Recovery = 99.74%								
Ba 233.527	31707.5	0.998038	mg/L	0.0026852	0.998038	mg/L	0.0026852	0.27%
QC value within limits for Ba 233.527 Recovery = 99.80%								
Be 234.861	336518.8	1.00116	mg/L	0.000121	1.00116	mg/L	0.000121	0.01%
QC value within limits for Be 234.861 Recovery = 100.12%								
Cd 226.502	48356.4	1.00074	mg/L	0.004349	1.00074	mg/L	0.004349	0.43%
QC value within limits for Cd 226.502 Recovery = 100.07%								
Ca 315.887	2416686.3	99.6954	mg/L	0.36047	99.6954	mg/L	0.36047	0.36%
QC value within limits for Ca 315.887 Recovery = 99.70%								
Cr 206.158	12876.7	1.00492	mg/L	0.001221	1.00492	mg/L	0.001221	0.12%
QC value within limits for Cr 206.158 Recovery = 100.49%								
Co 228.616	20115.2	0.987659	mg/L	0.0017116	0.987659	mg/L	0.0017116	0.17%
QC value within limits for Co 228.616 Recovery = 98.77%								
Cu 324.752	120087.4	0.992647	mg/L	0.0090405	0.992647	mg/L	0.0090405	0.91%
QC value within limits for Cu 324.752 Recovery = 99.26%								
Fe 273.955	122742.5	9.90361	mg/L	0.057852	9.90361	mg/L	0.057852	0.58%
QC value within limits for Fe 273.955 Recovery = 99.04%								
Pb 220.353	3821.4	0.989349	mg/L	0.0009886	0.989349	mg/L	0.0009886	0.10%
QC value within limits for Pb 220.353 Recovery = 98.93%								
Mg 279.077	772741.3	100.068	mg/L	0.3824	100.068	mg/L	0.3824	0.38%
QC value within limits for Mg 279.077 Recovery = 100.07%								
Mn 257.610	232771.5	0.979128	mg/L	0.0019915	0.979128	mg/L	0.0019915	0.20%
QC value within limits for Mn 257.610 Recovery = 97.91%								
Mo 202.031	11599.1	0.990984	mg/L	0.0011265	0.990984	mg/L	0.0011265	0.11%
QC value within limits for Mo 202.031 Recovery = 99.10%								
Ni 231.604	17775.4	0.979575	mg/L	0.0000585	0.979575	mg/L	0.0000585	0.01%
QC value within limits for Ni 231.604 Recovery = 97.96%								
Se 196.026	1877.7	0.988729	mg/L	0.0039668	0.988729	mg/L	0.0039668	0.40%
QC value within limits for Se 196.026 Recovery = 98.87%								
Ag 328.068	22392.0	0.204755	mg/L	0.0000417	0.204755	mg/L	0.0000417	0.02%
QC value within limits for Ag 328.068 Recovery = 102.38%								
Na 330.237	50827.6	103.110	mg/L	1.0298	103.110	mg/L	1.0298	1.00%
QC value within limits for Na 330.237 Recovery = 103.11%								
Tl 190.801	1299.7	1.05115	mg/L	0.001368	1.05115	mg/L	0.001368	0.13%
QC value within limits for Tl 190.801 Recovery = 105.12%								
Sn 189.927	3602.2	1.04489	mg/L	0.006611	1.04489	mg/L	0.006611	0.63%
QC value within limits for Sn 189.927 Recovery = 104.49%								
Ti 334.940	178141.1	0.991167	mg/L	0.0092417	0.991167	mg/L	0.0092417	0.93%
QC value within limits for Ti 334.940 Recovery = 99.12%								
V 292.402	55462.9	0.960498	mg/L	0.0083984	0.960498	mg/L	0.0083984	0.87%
QC value within limits for V 292.402 Recovery = 96.05%								
Zn 206.200	14120.0	1.00905	mg/L	0.003256	1.00905	mg/L	0.003256	0.32%
QC value within limits for Zn 206.200 Recovery = 100.91%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-107293
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/15/2011 5:21:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-107293

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	-6.8	-0.0185769	mg/L	0.00718432	-0.0185769	mg/L	0.00718432	38.67%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-0.9	-0.0072420	mg/L	0.00147471	-0.0072420	mg/L	0.00147471	20.36%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-0.2	-0.0027104	mg/L	0.00209215	-0.0027104	mg/L	0.00209215	77.19%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	-9.2	-0.0002983	mg/L	0.00015636	-0.0002983	mg/L	0.00015636	52.42%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	30.2	0.0000594	mg/L	0.00001504	0.0000594	mg/L	0.00001504	25.32%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	2.8	0.0000638	mg/L	0.00004008	0.0000638	mg/L	0.00004008	62.82%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	423.1	-0.687474	mg/L	0.0018309	-0.687474	mg/L	0.0018309	0.27%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	5.1	-0.0052174	mg/L	0.00001225	-0.0052174	mg/L	0.00001225	0.23%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	45.4	-0.0072783	mg/L	0.00024669	-0.0072783	mg/L	0.00024669	3.39%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	1109.0	0.0064445	mg/L	0.00149423	0.0064445	mg/L	0.00149423	23.19%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	31.9	-0.0688573	mg/L	0.00052010	-0.0688573	mg/L	0.00052010	0.76%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	2.4	-0.0024931	mg/L	0.00060441	-0.0024931	mg/L	0.00060441	24.24%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	265.3	0.0343572	mg/L	0.00163978	0.0343572	mg/L	0.00163978	4.77%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	24.0	0.0000962	mg/L	0.00001457	0.0000962	mg/L	0.00001457	15.15%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	5.9	-0.0074818	mg/L	0.00011984	-0.0074818	mg/L	0.00011984	1.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	41.5	0.0022829	mg/L	0.00010315	0.0022829	mg/L	0.00010315	4.52%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	6.3	-0.0051076	mg/L	0.00223678	-0.0051076	mg/L	0.00223678	43.79%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	27.6	0.0002341	mg/L	0.00020210	0.0002341	mg/L	0.00020210	86.35%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-59.6	0.480692	mg/L	0.0168841	0.480692	mg/L	0.0168841	3.51%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	2.1	-0.0037862	mg/L	0.00180550	-0.0037862	mg/L	0.00180550	47.69%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	15.9	-0.0049715	mg/L	0.00013374	-0.0049715	mg/L	0.00013374	2.69%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	30.3	0.0001686	mg/L	0.00023083	0.0001686	mg/L	0.00023083	136.89%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	3.0	-0.0080694	mg/L	0.00010694	-0.0080694	mg/L	0.00010694	1.33%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	360.4	0.0204393	mg/L	0.00076533	0.0204393	mg/L	0.00076533	3.74%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-106424
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 2/15/2011 5:24:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-106424

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	4255840.4	449.766	mg/L	4.4629	449.766	mg/L	4.4629	0.99%
QC value within limits for Al 308.215 Recovery = 89.95%								
Sb 206.836	-28.1	-0.0054209	mg/L	0.00381349	-0.0054209	mg/L	0.00381349	70.35%
As 188.979	-14.7	0.0022487	mg/L	0.00603700	0.0022487	mg/L	0.00603700	268.46%
Ba 233.527	765.4	0.0305016	mg/L	0.00053409	0.0305016	mg/L	0.00053409	1.75%
Be 234.861	-9445.7	0.0435524	mg/L	0.00016815	0.0435524	mg/L	0.00016815	0.39%
Cd 226.502	1223.2	0.0098680	mg/L	0.00026541	0.0098680	mg/L	0.00026541	2.69%
Ca 315.887	10678081.2	442.912	mg/L	1.8162	442.912	mg/L	1.8162	0.41%
QC value within limits for Ca 315.887 Recovery = 88.58%								
Cr 206.158	34.3	-0.0094855	mg/L	0.00007286	-0.0094855	mg/L	0.00007286	0.77%
Co 228.616	94.2	-0.0049319	mg/L	0.00028492	-0.0049319	mg/L	0.00028492	5.78%
Cu 324.752	1608.2	-0.0002746	mg/L	0.00048717	-0.0002746	mg/L	0.00048717	177.40%
Fe 273.955	2071136.0	168.246	mg/L	0.1892	168.246	mg/L	0.1892	0.11%
QC value within limits for Fe 273.955 Recovery = 84.12%								
Pb 220.353	-184.9	-0.0127218	mg/L	0.00191038	-0.0127218	mg/L	0.00191038	15.02%
Mg 279.077	3494523.2	452.531	mg/L	1.8837	452.531	mg/L	1.8837	0.42%
QC value within limits for Mg 279.077 Recovery = 90.51%								
Mn 257.610	-1166.9	-0.0211428	mg/L	0.00010118	-0.0211428	mg/L	0.00010118	0.48%
Saturated outside survey window (code 6)								
Mo 202.031	-243.8	-0.0084574	mg/L	0.00100033	-0.0084574	mg/L	0.00100033	11.83%
Ni 231.604	201.7	0.0057734	mg/L	0.00040969	0.0057734	mg/L	0.00040969	7.10%
Se 196.026	189.1	0.0152572	mg/L	0.00179947	0.0152572	mg/L	0.00179947	11.79%
Ag 328.068	-903.1	0.0055168	mg/L	0.00000082	0.0055168	mg/L	0.00000082	0.01%
Na 330.237	-62.1	0.475664	mg/L	0.0058775	0.475664	mg/L	0.0058775	1.24%
Tl 190.801	-9.8	0.0062965	mg/L	0.00574497	0.0062965	mg/L	0.00574497	91.24%
Sn 189.927	-31.3	-0.0002265	mg/L	0.00100051	-0.0002265	mg/L	0.00100051	441.80%
Ti 334.940	-401.7	-0.0022349	mg/L	0.00002206	-0.0022349	mg/L	0.00002206	0.99%
V 292.402	11245.1	0.0465627	mg/L	0.00002494	0.0465627	mg/L	0.00002494	0.05%
Zn 206.200	290.2	0.0030609	mg/L	0.00064559	0.0030609	mg/L	0.00064559	21.09%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-105536
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 2/15/2011 5:28:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-105536

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	4202416.7	444.120	mg/L	0.3426	444.120	mg/L	0.3426	0.08%
QC value within limits for Al 308.215 Recovery = 88.82%								
Sb 206.836	1826.2	0.951159	mg/L	0.0291253	0.951159	mg/L	0.0291253	3.06%
QC value within limits for Sb 206.836 Recovery = 95.12%								
As 188.979	1189.1	0.933847	mg/L	0.0464710	0.933847	mg/L	0.0464710	4.98%
QC value within limits for As 188.979 Recovery = 93.38%								
Ba 233.527	14970.3	0.477088	mg/L	0.0025351	0.477088	mg/L	0.0025351	0.53%
QC value within limits for Ba 233.527 Recovery = 95.42%								
Be 234.861	160144.8	0.545202	mg/L	0.0004783	0.545202	mg/L	0.0004783	0.09%
QC value within limits for Be 234.861 Recovery = 109.04%								
Cd 226.502	42417.0	0.863306	mg/L	0.0061390	0.863306	mg/L	0.0061390	0.71%
QC value within limits for Cd 226.502 Recovery = 86.33%								
Ca 315.887	10573383.6	438.563	mg/L	1.6277	438.563	mg/L	1.6277	0.37%
QC value within limits for Ca 315.887 Recovery = 87.71%								
Cr 206.158	5902.6	0.454610	mg/L	0.0049130	0.454610	mg/L	0.0049130	1.08%
QC value within limits for Cr 206.158 Recovery = 90.92%								
Co 228.616	9043.1	0.439305	mg/L	0.0026957	0.439305	mg/L	0.0026957	0.61%
QC value within limits for Co 228.616 Recovery = 87.86%								
Cu 324.752	63215.6	0.511908	mg/L	0.0000010	0.511908	mg/L	0.0000010	0.00%
QC value within limits for Cu 324.752 Recovery = 102.38%								
Fe 273.955	2050578.5	166.575	mg/L	0.1256	166.575	mg/L	0.1256	0.08%
QC value within limits for Fe 273.955 Recovery = 83.29%								
Pb 220.353	3186.6	0.859210	mg/L	0.0065903	0.859210	mg/L	0.0065903	0.77%
QC value within limits for Pb 220.353 Recovery = 85.92%								
Mg 279.077	3456597.4	447.620	mg/L	0.7432	447.620	mg/L	0.7432	0.17%
QC value within limits for Mg 279.077 Recovery = 89.52%								
Mn 257.610	106863.3	0.435749	mg/L	0.0006707	0.435749	mg/L	0.0006707	0.15%
QC value within limits for Mn 257.610 Recovery = 87.15%								
Mo 202.031	-249.7	-0.0092022	mg/L	0.00202023	-0.0092022	mg/L	0.00202023	21.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	15674.9	0.858398	mg/L	0.0063314	0.858398	mg/L	0.0063314	0.74%
QC value within limits for Ni 231.604 Recovery = 85.84%								
Se 196.026	1810.5	0.891430	mg/L	0.0028084	0.891430	mg/L	0.0028084	0.32%
QC value within limits for Se 196.026 Recovery = 89.14%								
Ag 328.068	112216.4	1.02865	mg/L	0.002077	1.02865	mg/L	0.002077	0.20%
QC value within limits for Ag 328.068 Recovery = 102.86%								
Na 330.237	-872.7	-1.15918	mg/L	0.210722	-1.15918	mg/L	0.210722	18.18%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	1051.8	0.859103	mg/L	0.0128385	0.859103	mg/L	0.0128385	1.49%
QC value within limits for Tl 190.801 Recovery = 85.91%								
Sn 189.927	-22.7	0.0020974	mg/L	0.00953837	0.0020974	mg/L	0.00953837	454.77%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-365.9	-0.0020357	mg/L	0.00025550	-0.0020357	mg/L	0.00025550	12.55%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	34191.3	0.459237	mg/L	0.0047450	0.459237	mg/L	0.0047450	1.03%
QC value within limits for V 292.402 Recovery = 91.85%								
Zn 206.200	12834.0	0.906932	mg/L	0.0030102	0.906932	mg/L	0.0030102	0.33%
QC value within limits for Zn 206.200 Recovery = 90.69%								

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: MB 3327 (0.5)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 2/15/2011 5:32:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3327 (0.5)

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	2763.8	0.274243	mg/L	0.0000899	0.274243	mg/L	0.0000899	0.03%
Sb 206.836	-4.8	-0.0091945	mg/L	0.00032645	-0.0091945	mg/L	0.00032645	3.55%
As 188.979	-0.8	-0.0031202	mg/L	0.00199851	-0.0031202	mg/L	0.00199851	64.05%
Ba 233.527	-126.9	-0.0039960	mg/L	0.00005018	-0.0039960	mg/L	0.00005018	1.26%
Be 234.861	25.2	0.0000582	mg/L	0.00000169	0.0000582	mg/L	0.00000169	2.90%
Cd 226.502	3.9	0.0000845	mg/L	0.00006265	0.0000845	mg/L	0.00006265	74.17%
Ca 315.887	38273.1	0.884990	mg/L	0.0049366	0.884990	mg/L	0.0049366	0.56%
Cr 206.158	0.3	-0.0052460	mg/L	0.00011221	-0.0052460	mg/L	0.00011221	2.14%
Co 228.616	22.3	-0.0084246	mg/L	0.00018256	-0.0084246	mg/L	0.00018256	2.17%
Cu 324.752	329.4	-0.0000741	mg/L	0.00007005	-0.0000741	mg/L	0.00007005	94.54%
Fe 273.955	430.0	-0.0365007	mg/L	0.00121073	-0.0365007	mg/L	0.00121073	3.32%
Pb 220.353	-4.5	-0.0042056	mg/L	0.00205947	-0.0042056	mg/L	0.00205947	48.97%
Mg 279.077	1790.1	0.231814	mg/L	0.0090360	0.231814	mg/L	0.0090360	3.90%
Mn 257.610	2825.0	0.0119287	mg/L	0.00000470	0.0119287	mg/L	0.00000470	0.04%
Mo 202.031	7.7	-0.0073216	mg/L	0.00020954	-0.0073216	mg/L	0.00020954	2.86%
Ni 231.604	19.3	0.0010623	mg/L	0.00030630	0.0010623	mg/L	0.00030630	28.83%
Se 196.026	7.9	-0.0044834	mg/L	0.00057222	-0.0044834	mg/L	0.00057222	12.76%
Ag 328.068	19.3	0.0001897	mg/L	0.00024347	0.0001897	mg/L	0.00024347	128.31%
Na 330.237	-2.9	0.595053	mg/L	0.0702328	0.595053	mg/L	0.0702328	11.80%
Tl 190.801	4.1	-0.0021133	mg/L	0.00040044	-0.0021133	mg/L	0.00040044	18.95%
Sn 189.927	6.4	-0.0076679	mg/L	0.00002143	-0.0076679	mg/L	0.00002143	0.28%
Ti 334.940	-7.4	-0.0000410	mg/L	0.00008647	-0.0000410	mg/L	0.00008647	210.81%
V 292.402	37.4	-0.0075163	mg/L	0.00034881	-0.0075163	mg/L	0.00034881	4.64%
Zn 206.200	985.0	0.0654342	mg/L	0.00063273	0.0654342	mg/L	0.00063273	0.97%

Sequence No.: 12
Sample ID: LCSW 3327
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 2/15/2011 5:35:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3327

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	45520.1	4.78452	mg/L	0.016442	4.78452	mg/L	0.016442	0.34%
Sb 206.836	916.5	0.472917	mg/L	0.0031351	0.472917	mg/L	0.0031351	0.66%
As 188.979	609.4	0.468622	mg/L	0.0017250	0.468622	mg/L	0.0017250	0.37%
Ba 233.527	14908.0	0.469247	mg/L	0.0006962	0.469247	mg/L	0.0006962	0.15%
Be 234.861	160387.8	0.477150	mg/L	0.0009408	0.477150	mg/L	0.0009408	0.20%
Cd 226.502	23350.2	0.483243	mg/L	0.0010992	0.483243	mg/L	0.0010992	0.23%
Ca 315.887	1168492.6	47.8396	mg/L	0.40293	47.8396	mg/L	0.40293	0.84%
Cr 206.158	6109.6	0.473893	mg/L	0.0002365	0.473893	mg/L	0.0002365	0.05%
Co 228.616	10026.2	0.487549	mg/L	0.0020169	0.487549	mg/L	0.0020169	0.41%
Cu 324.752	56537.2	0.465842	mg/L	0.0059565	0.465842	mg/L	0.0059565	1.28%
Fe 273.955	58686.8	4.69792	mg/L	0.010608	4.69792	mg/L	0.010608	0.23%
Pb 220.353	1842.3	0.475312	mg/L	0.0025960	0.475312	mg/L	0.0025960	0.55%
Mg 279.077	373702.7	48.3934	mg/L	0.50981	48.3934	mg/L	0.50981	1.05%
Mn 257.610	111737.6	0.469991	mg/L	0.0016575	0.469991	mg/L	0.0016575	0.35%
Mo 202.031	5406.3	0.457630	mg/L	0.0014772	0.457630	mg/L	0.0014772	0.32%
Ni 231.604	8943.3	0.492841	mg/L	0.0026417	0.492841	mg/L	0.0026417	0.54%
Se 196.026	949.3	0.496013	mg/L	0.0011186	0.496013	mg/L	0.0011186	0.23%
Ag 328.068	10468.6	0.0957518	mg/L	0.00093628	0.0957518	mg/L	0.00093628	0.98%
Na 330.237	22132.4	45.2377	mg/L	0.07342	45.2377	mg/L	0.07342	0.16%
Tl 190.801	653.7	0.525550	mg/L	0.0000037	0.525550	mg/L	0.0000037	0.00%
Sn 189.927	1797.0	0.516368	mg/L	0.0022367	0.516368	mg/L	0.0022367	0.43%
Ti 334.940	83305.7	0.463508	mg/L	0.0018718	0.463508	mg/L	0.0018718	0.40%
V 292.402	27225.2	0.467403	mg/L	0.0001387	0.467403	mg/L	0.0001387	0.03%
Zn 206.200	6957.6	0.494429	mg/L	0.0005879	0.494429	mg/L	0.0005879	0.12%

Sequence No.: 13
Sample ID: LCSW MR 3327
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 2/15/2011 5:38:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3327

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	46006.4	4.83585	mg/L	0.001567	4.83585	mg/L	0.001567	0.03%
Sb 206.836	928.9	0.479369	mg/L	0.0050151	0.479369	mg/L	0.0050151	1.05%
As 188.979	617.4	0.474789	mg/L	0.0031059	0.474789	mg/L	0.0031059	0.65%
Ba 233.527	15115.3	0.475769	mg/L	0.0009182	0.475769	mg/L	0.0009182	0.19%
Be 234.861	162517.0	0.483485	mg/L	0.0008441	0.483485	mg/L	0.0008441	0.17%
Cd 226.502	23726.2	0.491023	mg/L	0.0018868	0.491023	mg/L	0.0018868	0.38%
Ca 315.887	1171425.4	47.9614	mg/L	0.00349	47.9614	mg/L	0.00349	0.01%
Cr 206.158	6137.0	0.476077	mg/L	0.0003616	0.476077	mg/L	0.0003616	0.08%
Co 228.616	10145.5	0.493458	mg/L	0.0031617	0.493458	mg/L	0.0031617	0.64%
Cu 324.752	57582.6	0.474528	mg/L	0.0003902	0.474528	mg/L	0.0003902	0.08%
Fe 273.955	59506.7	4.76456	mg/L	0.013275	4.76456	mg/L	0.013275	0.28%
Pb 220.353	1864.2	0.480995	mg/L	0.0025724	0.480995	mg/L	0.0025724	0.53%
Mg 279.077	375852.8	48.6719	mg/L	0.05208	48.6719	mg/L	0.05208	0.11%
Mn 257.610	114638.5	0.482243	mg/L	0.0017361	0.482243	mg/L	0.0017361	0.36%
Mo 202.031	5453.1	0.461662	mg/L	0.0030179	0.461662	mg/L	0.0030179	0.65%
Ni 231.604	9030.4	0.497638	mg/L	0.0007797	0.497638	mg/L	0.0007797	0.16%
Se 196.026	965.3	0.504613	mg/L	0.0007484	0.504613	mg/L	0.0007484	0.15%
Ag 328.068	10697.4	0.0978252	mg/L	0.00005525	0.0978252	mg/L	0.00005525	0.06%
Na 330.237	22589.5	46.1597	mg/L	0.14583	46.1597	mg/L	0.14583	0.32%
Tl 190.801	662.1	0.532379	mg/L	0.0000662	0.532379	mg/L	0.0000662	0.01%
Sn 189.927	1806.4	0.519115	mg/L	0.0003698	0.519115	mg/L	0.0003698	0.07%
Ti 334.940	84453.9	0.469897	mg/L	0.0012553	0.469897	mg/L	0.0012553	0.27%
V 292.402	27519.9	0.472621	mg/L	0.0020074	0.472621	mg/L	0.0020074	0.42%
Zn 206.200	7047.0	0.500860	mg/L	0.0015412	0.500860	mg/L	0.0015412	0.31%

Sequence No.: 14
Sample ID: 56873-004
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 2/15/2011 5:41:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56873-004

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1142.0	0.102499	mg/L	0.0045777	0.102499	mg/L	0.0045777	4.47%
Sb 206.836	5.1	-0.0032801	mg/L	0.00254459	-0.0032801	mg/L	0.00254459	77.58%
As 188.979	-4.5	-0.0028475	mg/L	0.00097841	-0.0028475	mg/L	0.00097841	34.36%
Ba 233.527	4708.7	0.148063	mg/L	0.0005183	0.148063	mg/L	0.0005183	0.35%
Be 234.861	37.7	0.0000998	mg/L	0.00002666	0.0000998	mg/L	0.00002666	26.71%
Cd 226.502	23.0	0.0004784	mg/L	0.00014695	0.0004784	mg/L	0.00014695	30.72%
Ca 315.887	4643475.2	192.207	mg/L	1.4723	192.207	mg/L	1.4723	0.77%
Cr 206.158	14.4	-0.0044987	mg/L	0.00004851	-0.0044987	mg/L	0.00004851	1.08%
Co 228.616	33.2	-0.0078720	mg/L	0.00019893	-0.0078720	mg/L	0.00019893	2.53%
Cu 324.752	1005.2	0.0008386	mg/L	0.00059202	0.0008386	mg/L	0.00059202	70.60%
Fe 273.955	496.8	-0.0310696	mg/L	0.00145467	-0.0310696	mg/L	0.00145467	4.68%
Pb 220.353	-41.4	-0.0101360	mg/L	0.00054997	-0.0101360	mg/L	0.00054997	5.43%
Mg 279.077	240501.7	31.1443	mg/L	0.25154	31.1443	mg/L	0.25154	0.81%
Mn 257.610	14730.3	0.0605991	mg/L	0.00093476	0.0605991	mg/L	0.00093476	1.54%
Mo 202.031	224.3	0.0113162	mg/L	0.00014474	0.0113162	mg/L	0.00014474	1.28%
Ni 231.604	15.4	0.0008546	mg/L	0.00014995	0.0008546	mg/L	0.00014995	17.55%
Se 196.026	153.9	0.0436318	mg/L	0.00021493	0.0436318	mg/L	0.00021493	0.49%
Ag 328.068	-256.5	0.0013174	mg/L	0.00034883	0.0013174	mg/L	0.00034883	26.48%
Na 330.237	180803.3	365.247	mg/L	1.7909	365.247	mg/L	1.7909	0.49%
Tl 190.801	13.0	0.0044738	mg/L	0.00032890	0.0044738	mg/L	0.00032890	7.35%
Sn 189.927	-2.0	-0.0021928	mg/L	0.00075725	-0.0021928	mg/L	0.00075725	34.53%
Ti 334.940	-73.5	-0.0004088	mg/L	0.00004189	-0.0004088	mg/L	0.00004189	10.25%
V 292.402	8443.6	0.133205	mg/L	0.0008389	0.133205	mg/L	0.0008389	0.63%
Zn 206.200	343.3	0.0183598	mg/L	0.00054135	0.0183598	mg/L	0.00054135	2.95%

Sequence No.: 15
Sample ID: 56873-004 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 2/15/2011 5:44:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56873-004 MR

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1082.5	0.0962048	mg/L	0.01163182	0.0962048	mg/L	0.01163182	12.09%
Sb 206.836	10.5	-0.0004449	mg/L	0.00061630	-0.0004449	mg/L	0.00061630	138.53%
As 188.979	-4.3	-0.0025170	mg/L	0.00255100	-0.0025170	mg/L	0.00255100	101.35%
Ba 233.527	4867.4	0.153054	mg/L	0.0002806	0.153054	mg/L	0.0002806	0.18%
Be 234.861	30.9	0.0000746	mg/L	0.00001360	0.0000746	mg/L	0.00001360	18.23%
Cd 226.502	21.4	0.0004471	mg/L	0.00006921	0.0004471	mg/L	0.00006921	15.48%
Ca 315.887	4836081.9	200.208	mg/L	0.1590	200.208	mg/L	0.1590	0.08%
Cr 206.158	10.5	-0.0048238	mg/L	0.00021807	-0.0048238	mg/L	0.00021807	4.52%
Co 228.616	29.8	-0.0080436	mg/L	0.00008702	-0.0080436	mg/L	0.00008702	1.08%
Cu 324.752	847.5	-0.0006679	mg/L	0.00006109	-0.0006679	mg/L	0.00006109	9.15%
Fe 273.955	351.3	-0.0429010	mg/L	0.00038315	-0.0429010	mg/L	0.00038315	0.89%
Pb 220.353	-33.0	-0.0077975	mg/L	0.00272812	-0.0077975	mg/L	0.00272812	34.99%
Mg 279.077	251950.8	32.6269	mg/L	0.14278	32.6269	mg/L	0.14278	0.44%
Mn 257.610	15317.9	0.0630029	mg/L	0.00013197	0.0630029	mg/L	0.00013197	0.21%
Mo 202.031	224.0	0.0112929	mg/L	0.00006384	0.0112929	mg/L	0.00006384	0.57%
Ni 231.604	10.2	0.0005702	mg/L	0.00015387	0.0005702	mg/L	0.00015387	26.98%
Se 196.026	154.3	0.0425897	mg/L	0.00036251	0.0425897	mg/L	0.00036251	0.85%
Ag 328.068	-234.1	0.0016715	mg/L	0.00097110	0.0016715	mg/L	0.00097110	58.10%
Na 330.237	187958.9	379.679	mg/L	4.9579	379.679	mg/L	4.9579	1.31%
Tl 190.801	12.2	0.0038492	mg/L	0.00249583	0.0038492	mg/L	0.00249583	64.84%
Sn 189.927	-4.0	-0.0024377	mg/L	0.00048763	-0.0024377	mg/L	0.00048763	20.00%
Ti 334.940	-127.1	-0.0007073	mg/L	0.00011781	-0.0007073	mg/L	0.00011781	16.66%
V 292.402	8718.8	0.137656	mg/L	0.0004377	0.137656	mg/L	0.0004377	0.32%
Zn 206.200	311.3	0.0160101	mg/L	0.00011579	0.0160101	mg/L	0.00011579	0.72%

Sequence No.: 16
Sample ID: 56873-004 MS 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 2/15/2011 5:47:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56873-004 MS 1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Al 308.215	45937.2	4.82874	mg/L	0.028926	4.82874	mg/L	0.028926	0.60%
Sb 206.836	891.7	0.460589	mg/L	0.0031069	0.460589	mg/L	0.0031069	0.67%
As 188.979	593.6	0.459527	mg/L	0.0026244	0.459527	mg/L	0.0026244	0.57%
Ba 233.527	18216.7	0.573265	mg/L	0.0012281	0.573265	mg/L	0.0012281	0.21%
Be 234.861	157587.0	0.468700	mg/L	0.0009395	0.468700	mg/L	0.0009395	0.20%
Cd 226.502	20882.3	0.432156	mg/L	0.0004935	0.432156	mg/L	0.0004935	0.11%
Ca 315.887	5588393.0	231.463	mg/L	1.0176	231.463	mg/L	1.0176	0.44%
Cr 206.158	5713.9	0.442827	mg/L	0.0004416	0.442827	mg/L	0.0004416	0.10%
Co 228.616	8827.5	0.428079	mg/L	0.0005097	0.428079	mg/L	0.0005097	0.12%
Cu 324.752	54631.1	0.445492	mg/L	0.0051748	0.445492	mg/L	0.0051748	1.16%
Fe 273.955	54272.2	4.33916	mg/L	0.002832	4.33916	mg/L	0.002832	0.07%
Pb 220.353	1659.9	0.431631	mg/L	0.0016524	0.431631	mg/L	0.0016524	0.38%
Mg 279.077	572832.9	74.1802	mg/L	0.10371	74.1802	mg/L	0.10371	0.14%
Mn 257.610	117843.0	0.494400	mg/L	0.0001754	0.494400	mg/L	0.0001754	0.04%
Mo 202.031	5323.1	0.450461	mg/L	0.0006618	0.450461	mg/L	0.0006618	0.15%
Ni 231.604	7650.0	0.421590	mg/L	0.0011905	0.421590	mg/L	0.0011905	0.28%
Se 196.026	978.6	0.482420	mg/L	0.0108708	0.482420	mg/L	0.0108708	2.25%
Ag 328.068	9816.5	0.0933179	mg/L	0.00011225	0.0933179	mg/L	0.00011225	0.12%
Na 330.237	211850.7	427.864	mg/L	2.5920	427.864	mg/L	2.5920	0.61%
Tl 190.801	555.9	0.446294	mg/L	0.0088013	0.446294	mg/L	0.0088013	1.97%
Sn 189.927	1674.8	0.488326	mg/L	0.0014448	0.488326	mg/L	0.0014448	0.30%
Ti 334.940	79209.8	0.440719	mg/L	0.0002704	0.440719	mg/L	0.0002704	0.06%
V 292.402	32788.9	0.558668	mg/L	0.0006162	0.558668	mg/L	0.0006162	0.11%
Zn 206.200	6515.1	0.461847	mg/L	0.0009574	0.461847	mg/L	0.0009574	0.21%

Sequence No.: 17
Sample ID: 56873-004 MS 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 2/15/2011 5:51:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56873-004 MS 2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	49390.4	5.19355	mg/L	0.004803	5.19355	mg/L	0.004803	0.09%
Sb 206.836	903.6	0.466851	mg/L	0.0017735	0.466851	mg/L	0.0017735	0.38%
As 188.979	602.1	0.466147	mg/L	0.0043818	0.466147	mg/L	0.0043818	0.94%
Ba 233.527	18620.6	0.585973	mg/L	0.0002560	0.585973	mg/L	0.0002560	0.04%
Be 234.861	160567.4	0.477561	mg/L	0.0016113	0.477561	mg/L	0.0016113	0.34%
Cd 226.502	21184.7	0.438412	mg/L	0.0004933	0.438412	mg/L	0.0004933	0.11%
Ca 315.887	5676051.4	235.105	mg/L	0.4357	235.105	mg/L	0.4357	0.19%
Cr 206.158	5799.3	0.449635	mg/L	0.0016100	0.449635	mg/L	0.0016100	0.36%
Co 228.616	8959.6	0.434633	mg/L	0.0005326	0.434633	mg/L	0.0005326	0.12%
Cu 324.752	55634.5	0.453740	mg/L	0.0041167	0.453740	mg/L	0.0041167	0.91%
Fe 273.955	55199.9	4.41455	mg/L	0.004057	4.41455	mg/L	0.004057	0.09%
Pb 220.353	1686.5	0.438607	mg/L	0.0006022	0.438607	mg/L	0.0006022	0.14%
Mg 279.077	580873.8	75.2215	mg/L	0.42637	75.2215	mg/L	0.42637	0.57%
Mn 257.610	119610.9	0.501821	mg/L	0.0027624	0.501821	mg/L	0.0027624	0.55%
Mo 202.031	5413.3	0.458237	mg/L	0.0004906	0.458237	mg/L	0.0004906	0.11%
Ni 231.604	7794.0	0.429525	mg/L	0.0002828	0.429525	mg/L	0.0002828	0.07%
Se 196.026	992.7	0.489440	mg/L	0.0020633	0.489440	mg/L	0.0020633	0.42%
Ag 328.068	9948.0	0.0945781	mg/L	0.00055077	0.0945781	mg/L	0.00055077	0.58%
Na 330.237	217188.9	438.630	mg/L	4.1973	438.630	mg/L	4.1973	0.96%
Tl 190.801	563.9	0.452765	mg/L	0.0037892	0.452765	mg/L	0.0037892	0.84%
Sn 189.927	1688.6	0.492515	mg/L	0.0000093	0.492515	mg/L	0.0000093	0.00%
Ti 334.940	80151.9	0.445961	mg/L	0.0033796	0.445961	mg/L	0.0033796	0.76%
V 292.402	33273.3	0.567068	mg/L	0.0039174	0.567068	mg/L	0.0039174	0.69%
Zn 206.200	6794.2	0.481928	mg/L	0.0024738	0.481928	mg/L	0.0024738	0.51%

Sequence No.: 18
Sample ID: 56873-004 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 2/15/2011 5:54:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56873-004 PS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	46215.3	4.85788	mg/L	0.010138	4.85788	mg/L	0.010138	0.21%
Sb 206.836	913.6	0.472051	mg/L	0.0001253	0.472051	mg/L	0.0001253	0.03%
As 188.979	598.1	0.462900	mg/L	0.0000144	0.462900	mg/L	0.0000144	0.00%
Ba 233.527	18289.3	0.575558	mg/L	0.0011090	0.575558	mg/L	0.0011090	0.19%
Be 234.861	160217.7	0.476504	mg/L	0.0014249	0.476504	mg/L	0.0014249	0.30%
Cd 226.502	21065.9	0.435955	mg/L	0.0006019	0.435955	mg/L	0.0006019	0.14%
Ca 315.887	5507324.3	228.095	mg/L	0.2041	228.095	mg/L	0.2041	0.09%
Cr 206.158	5796.3	0.449333	mg/L	0.0003459	0.449333	mg/L	0.0003459	0.08%
Co 228.616	8931.3	0.433212	mg/L	0.0009507	0.433212	mg/L	0.0009507	0.22%
Cu 324.752	56267.1	0.459169	mg/L	0.0031481	0.459169	mg/L	0.0031481	0.69%
Fe 273.955	54563.6	4.36283	mg/L	0.011420	4.36283	mg/L	0.011420	0.26%
Pb 220.353	1681.5	0.437183	mg/L	0.0037623	0.437183	mg/L	0.0037623	0.86%
Mg 279.077	573358.6	74.2483	mg/L	0.30835	74.2483	mg/L	0.30835	0.42%
Mn 257.610	119227.2	0.500249	mg/L	0.0008490	0.500249	mg/L	0.0008490	0.17%
Mo 202.031	5483.0	0.464217	mg/L	0.0022732	0.464217	mg/L	0.0022732	0.49%
Ni 231.604	7773.2	0.428383	mg/L	0.0020020	0.428383	mg/L	0.0020020	0.47%
Se 196.026	991.6	0.489960	mg/L	0.0008232	0.489960	mg/L	0.0008232	0.17%
Ag 328.068	9546.6	0.0908131	mg/L	0.00016181	0.0908131	mg/L	0.00016181	0.18%
Na 330.237	208055.8	420.210	mg/L	1.9272	420.210	mg/L	1.9272	0.46%
Tl 190.801	572.7	0.459946	mg/L	0.0046277	0.459946	mg/L	0.0046277	1.01%
Sn 189.927	1709.9	0.498422	mg/L	0.0008135	0.498422	mg/L	0.0008135	0.16%
Ti 334.940	81769.8	0.454962	mg/L	0.0004507	0.454962	mg/L	0.0004507	0.10%
V 292.402	32920.5	0.561107	mg/L	0.0014969	0.561107	mg/L	0.0014969	0.27%
Zn 206.200	6668.8	0.472914	mg/L	0.0007709	0.472914	mg/L	0.0007709	0.16%

Sequence No.: 19
Sample ID: CCV V-106422
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/15/2011 5:57:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-106422

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	45201.8	4.75029	mg/L	0.036085	4.75029	mg/L	0.036085	0.76%
QC value within limits for Al 308.215 Recovery = 95.01%								
Sb 206.836	951.8	0.491605	mg/L	0.0023936	0.491605	mg/L	0.0023936	0.49%
QC value within limits for Sb 206.836 Recovery = 98.32%								
As 188.979	635.3	0.488656	mg/L	0.0003955	0.488656	mg/L	0.0003955	0.08%
QC value within limits for As 188.979 Recovery = 97.73%								
Ba 233.527	15867.8	0.499457	mg/L	0.0012466	0.499457	mg/L	0.0012466	0.25%
QC value within limits for Ba 233.527 Recovery = 99.89%								
Be 234.861	164110.5	0.488278	mg/L	0.0017827	0.488278	mg/L	0.0017827	0.37%
QC value within limits for Be 234.861 Recovery = 97.66%								
Cd 226.502	24390.6	0.504771	mg/L	0.0011065	0.504771	mg/L	0.0011065	0.22%
QC value within limits for Cd 226.502 Recovery = 100.95%								
Ca 315.887	1212327.2	49.6607	mg/L	0.07517	49.6607	mg/L	0.07517	0.15%
QC value within limits for Ca 315.887 Recovery = 99.32%								
Cr 206.158	6459.8	0.501272	mg/L	0.0012243	0.501272	mg/L	0.0012243	0.24%
QC value within limits for Cr 206.158 Recovery = 100.25%								
Co 228.616	10477.1	0.509901	mg/L	0.0000005	0.509901	mg/L	0.0000005	0.00%
QC value within limits for Co 228.616 Recovery = 101.98%								
Cu 324.752	59953.7	0.494183	mg/L	0.0038088	0.494183	mg/L	0.0038088	0.77%
QC value within limits for Cu 324.752 Recovery = 98.84%								
Fe 273.955	61512.5	4.92756	mg/L	0.031586	4.92756	mg/L	0.031586	0.64%
QC value within limits for Fe 273.955 Recovery = 98.55%								
Pb 220.353	1922.3	0.496097	mg/L	0.0007402	0.496097	mg/L	0.0007402	0.15%
QC value within limits for Pb 220.353 Recovery = 99.22%								
Mg 279.077	382212.9	49.4955	mg/L	0.12868	49.4955	mg/L	0.12868	0.26%
QC value within limits for Mg 279.077 Recovery = 98.99%								
Mn 257.610	116897.0	0.491754	mg/L	0.0038578	0.491754	mg/L	0.0038578	0.78%
QC value within limits for Mn 257.610 Recovery = 98.35%								
Mo 202.031	5785.4	0.490261	mg/L	0.0012421	0.490261	mg/L	0.0012421	0.25%
QC value within limits for Mo 202.031 Recovery = 98.05%								
Ni 231.604	9313.2	0.513233	mg/L	0.0006745	0.513233	mg/L	0.0006745	0.13%
QC value within limits for Ni 231.604 Recovery = 102.65%								
Se 196.026	947.3	0.494661	mg/L	0.0030951	0.494661	mg/L	0.0030951	0.63%
QC value within limits for Se 196.026 Recovery = 98.93%								
Ag 328.068	10684.0	0.0977421	mg/L	0.00048706	0.0977421	mg/L	0.00048706	0.50%
QC value within limits for Ag 328.068 Recovery = 97.74%								
Na 330.237	22067.5	45.1068	mg/L	0.27496	45.1068	mg/L	0.27496	0.61%
QC value within limits for Na 330.237 Recovery = 90.21%								
Tl 190.801	666.7	0.536309	mg/L	0.0014244	0.536309	mg/L	0.0014244	0.27%
QC value within limits for Tl 190.801 Recovery = 107.26%								
Sn 189.927	1762.6	0.506419	mg/L	0.0016188	0.506419	mg/L	0.0016188	0.32%
QC value within limits for Sn 189.927 Recovery = 101.28%								
Ti 334.940	87657.2	0.487720	mg/L	0.0052682	0.487720	mg/L	0.0052682	1.08%
QC value within limits for Ti 334.940 Recovery = 97.54%								
V 292.402	28418.0	0.488655	mg/L	0.0042473	0.488655	mg/L	0.0042473	0.87%
QC value within limits for V 292.402 Recovery = 97.73%								
Zn 206.200	7148.5	0.508150	mg/L	0.0028157	0.508150	mg/L	0.0028157	0.55%
QC value within limits for Zn 206.200 Recovery = 101.63%								

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/15/2011 6:00:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	-286.6	-0.0481367	mg/L	0.00451338	-0.0481367	mg/L	0.00451338	9.38%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-5.1	-0.0093900	mg/L	0.00143772	-0.0093900	mg/L	0.00143772	15.31%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	0.5	-0.0021096	mg/L	0.00067888	-0.0021096	mg/L	0.00067888	32.18%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	5.1	0.0001531	mg/L	0.00012941	0.0001531	mg/L	0.00012941	84.53%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	9.9	-0.0000026	mg/L	0.00002064	-0.0000026	mg/L	0.00002064	798.05%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	-0.7	-0.0000079	mg/L	0.00021089	-0.0000079	mg/L	0.00021089	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	-338.0	-0.719095	mg/L	0.0005400	-0.719095	mg/L	0.0005400	0.08%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	3.5	-0.0054145	mg/L	0.00054387	-0.0054145	mg/L	0.00054387	10.04%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	45.6	-0.0072701	mg/L	0.00009206	-0.0072701	mg/L	0.00009206	1.27%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	798.1	0.0038613	mg/L	0.00116266	0.0038613	mg/L	0.00116266	30.11%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	-16.0	-0.0727463	mg/L	0.00058395	-0.0727463	mg/L	0.00058395	0.80%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-12.8	-0.0064112	mg/L	0.00169911	-0.0064112	mg/L	0.00169911	26.50%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	292.4	0.0378652	mg/L	0.00060698	0.0378652	mg/L	0.00060698	1.60%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	5.4	0.0000171	mg/L	0.00002327	0.0000171	mg/L	0.00002327	135.79%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	2.7	-0.0077610	mg/L	0.00006008	-0.0077610	mg/L	0.00006008	0.77%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	55.2	0.0030409	mg/L	0.00003040	0.0030409	mg/L	0.00003040	1.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	6.0	-0.0052973	mg/L	0.00287245	-0.0052973	mg/L	0.00287245	54.22%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	24.3	0.0002043	mg/L	0.00041926	0.0002043	mg/L	0.00041926	205.21%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-11.5	0.577551	mg/L	0.0428692	0.577551	mg/L	0.0428692	7.42%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	1.4	-0.0043746	mg/L	0.00016880	-0.0043746	mg/L	0.00016880	3.86%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	8.1	-0.0072504	mg/L	0.00089750	-0.0072504	mg/L	0.00089750	12.38%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	27.7	0.0001543	mg/L	0.00023730	0.0001543	mg/L	0.00023730	153.78%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	14.0	-0.0078760	mg/L	0.00032515	-0.0078760	mg/L	0.00032515	4.13%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	237.7	0.0115972	mg/L	0.00099245	0.0115972	mg/L	0.00099245	8.56%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21
Sample ID: 56873-004 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 2/15/2011 6:03:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 56873-004 SD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	185.3	0.0016620	mg/L	0.00107091	0.0016620	mg/L	0.00107091	64.43%
Sb 206.836	9.1	-0.0018971	mg/L	0.00319218	-0.0018971	mg/L	0.00319218	168.27%
As 188.979	-2.0	-0.0033679	mg/L	0.00108987	-0.0033679	mg/L	0.00108987	32.36%
Ba 233.527	1039.4	0.0326756	mg/L	0.00020118	0.0326756	mg/L	0.00020118	0.62%
Be 234.861	3.7	-0.0000184	mg/L	0.00000546	-0.0000184	mg/L	0.00000546	29.69%
Cd 226.502	11.9	0.0002517	mg/L	0.00008609	0.0002517	mg/L	0.00008609	34.20%
Ca 315.887	1026375.5	41.9354	mg/L	0.01634	41.9354	mg/L	0.01634	0.04%
Cr 206.158	-1.0	-0.0057545	mg/L	0.00000362	-0.0057545	mg/L	0.00000362	0.06%
Co 228.616	37.1	-0.0076862	mg/L	0.00012778	-0.0076862	mg/L	0.00012778	1.66%
Cu 324.752	364.5	-0.0007919	mg/L	0.00020634	-0.0007919	mg/L	0.00020634	26.06%
Fe 273.955	44.8	-0.0678092	mg/L	0.00035805	-0.0678092	mg/L	0.00035805	0.53%
Pb 220.353	-27.6	-0.0094413	mg/L	0.00142109	-0.0094413	mg/L	0.00142109	15.05%
Mg 279.077	52799.0	6.83732	mg/L	0.009330	6.83732	mg/L	0.009330	0.14%
Mn 257.610	3156.0	0.0129717	mg/L	0.00003517	0.0129717	mg/L	0.00003517	0.27%
Mo 202.031	47.6	-0.0038955	mg/L	0.00000100	-0.0038955	mg/L	0.00000100	0.03%
Ni 231.604	34.5	0.0019017	mg/L	0.00064876	0.0019017	mg/L	0.00064876	34.11%
Se 196.026	76.6	0.0259947	mg/L	0.00404563	0.0259947	mg/L	0.00404563	15.56%
Ag 328.068	-29.1	0.0005284	mg/L	0.00029092	0.0005284	mg/L	0.00029092	55.06%
Na 330.237	29718.6	60.5376	mg/L	0.29735	60.5376	mg/L	0.29735	0.49%
Tl 190.801	6.7	-0.0002173	mg/L	0.00063647	-0.0002173	mg/L	0.00063647	292.85%
Sn 189.927	16.3	-0.0030955	mg/L	0.00092355	-0.0030955	mg/L	0.00092355	29.83%
Ti 334.940	-17.4	-0.0000968	mg/L	0.00001909	-0.0000968	mg/L	0.00001909	19.71%
V 292.402	1789.2	0.0217528	mg/L	0.00011120	0.0217528	mg/L	0.00011120	0.51%
Zn 206.200	255.9	0.0127228	mg/L	0.00039074	0.0127228	mg/L	0.00039074	3.07%

Sequence No.: 22
Sample ID: 57127-005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 2/15/2011 6:06:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57127-005

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	4642.1	0.472828	mg/L	0.0410885	0.472828	mg/L	0.0410885	8.69%
Sb 206.836	-1.4	-0.0060427	mg/L	0.00207075	-0.0060427	mg/L	0.00207075	34.27%
As 188.979	26.9	0.0179253	mg/L	0.00323391	0.0179253	mg/L	0.00323391	18.04%
Ba 233.527	7650.8	0.240560	mg/L	0.0008592	0.240560	mg/L	0.0008592	0.36%
Be 234.861	93.0	0.0002723	mg/L	0.00001741	0.0002723	mg/L	0.00001741	6.40%
Cd 226.502	28.3	0.0005872	mg/L	0.00006800	0.0005872	mg/L	0.00006800	11.58%
Ca 315.887	11691887.4	485.031	mg/L	1.1241	485.031	mg/L	1.1241	0.23%
Cr 206.158	-8.6	-0.0061764	mg/L	0.00009099	-0.0061764	mg/L	0.00009099	1.47%
Co 228.616	69.4	-0.0060752	mg/L	0.00023192	-0.0060752	mg/L	0.00023192	3.82%
Cu 324.752	1066.6	-0.0058212	mg/L	0.00003840	-0.0058212	mg/L	0.00003840	0.66%
Fe 273.955	829.4	-0.0040401	mg/L	0.00087631	-0.0040401	mg/L	0.00087631	21.69%
Pb 220.353	-58.6	-0.0131784	mg/L	0.00026548	-0.0131784	mg/L	0.00026548	2.01%
Mg 279.077	6967963.2	902.332	mg/L	3.5639	902.332	mg/L	3.5639	0.39%
Mn 257.610	484037.6	1.99783	mg/L	0.005362	1.99783	mg/L	0.005362	0.27%
Mo 202.031	-43.8	-0.0117461	mg/L	0.00018817	-0.0117461	mg/L	0.00018817	1.60%
Ni 231.604	30.3	0.0016643	mg/L	0.00017333	0.0016643	mg/L	0.00017333	10.41%
Se 196.026	148.4	-0.0063184	mg/L	0.00313584	-0.0063184	mg/L	0.00313584	49.63%
Ag 328.068	-520.3	0.0044752	mg/L	0.00000316	0.0044752	mg/L	0.00000316	0.07%
Na 330.237	6734213.0	13582.2	mg/L	172.45	13582.2	mg/L	172.45	1.27%
Tl 190.801	2.5	0.0000049	mg/L	0.00403402	0.0000049	mg/L	0.00403402	>999.9%
Sn 189.927	-51.6	-0.0003654	mg/L	0.00057248	-0.0003654	mg/L	0.00057248	156.67%
Ti 334.940	-1289.6	-0.0071751	mg/L	0.00006440	-0.0071751	mg/L	0.00006440	0.90%
V 292.402	17164.6	0.0070008	mg/L	0.00248000	0.0070008	mg/L	0.00248000	35.42%
Zn 206.200	563.5	0.0105037	mg/L	0.00053396	0.0105037	mg/L	0.00053396	5.08%

Sequence No.: 23
Sample ID: 57127-006
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 2/15/2011 6:10:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57127-006

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	9628.8	0.999794	mg/L	0.0363731	0.999794	mg/L	0.0363731	3.64%
Sb 206.836	9.3	-0.0014459	mg/L	0.00063353	-0.0014459	mg/L	0.00063353	43.82%
As 188.979	7.6	0.0041155	mg/L	0.00319755	0.0041155	mg/L	0.00319755	77.69%
Ba 233.527	1688.8	0.0531267	mg/L	0.00034516	0.0531267	mg/L	0.00034516	0.65%
Be 234.861	26.6	0.0004141	mg/L	0.00002110	0.0004141	mg/L	0.00002110	5.10%
Cd 226.502	71.4	0.0014062	mg/L	0.00012279	0.0014062	mg/L	0.00012279	8.73%
Ca 315.887	3802699.9	157.277	mg/L	0.1594	157.277	mg/L	0.1594	0.10%
Cr 206.158	89.2	0.0037929	mg/L	0.00010895	0.0037929	mg/L	0.00010895	2.87%
Co 228.616	47.9	-0.0071744	mg/L	0.00012884	-0.0071744	mg/L	0.00012884	1.80%
Cu 324.752	791.8	-0.0000628	mg/L	0.00108903	-0.0000628	mg/L	0.00108903	>999.9%
Fe 273.955	10616.1	0.791304	mg/L	0.0051745	0.791304	mg/L	0.0051745	0.65%
Pb 220.353	-13.9	-0.0045606	mg/L	0.00036964	-0.0045606	mg/L	0.00036964	8.11%
Mg 279.077	1611761.0	208.718	mg/L	0.4011	208.718	mg/L	0.4011	0.19%
Mn 257.610	6642.6	0.0169054	mg/L	0.00014295	0.0169054	mg/L	0.00014295	0.85%
Mo 202.031	-7.4	-0.0085669	mg/L	0.00018144	-0.0085669	mg/L	0.00018144	2.12%
Ni 231.604	143.8	0.0078937	mg/L	0.00034448	0.0078937	mg/L	0.00034448	4.36%
Se 196.026	116.7	0.0291005	mg/L	0.00419006	0.0291005	mg/L	0.00419006	14.40%
Ag 328.068	-223.0	0.0009853	mg/L	0.00005242	0.0009853	mg/L	0.00005242	5.32%
Na 330.237	1627588.6	3283.14	mg/L	44.167	3283.14	mg/L	44.167	1.35%
Tl 190.801	9.6	0.0020130	mg/L	0.00003956	0.0020130	mg/L	0.00003956	1.97%
Sn 189.927	-0.1	-0.0021627	mg/L	0.00141136	-0.0021627	mg/L	0.00141136	65.26%
Ti 334.940	1874.6	0.0104303	mg/L	0.00016179	0.0104303	mg/L	0.00016179	1.55%
V 292.402	10384.6	0.110295	mg/L	0.0005062	0.110295	mg/L	0.0005062	0.46%
Zn 206.200	4727.0	0.329355	mg/L	0.0016850	0.329355	mg/L	0.0016850	0.51%

Sequence No.: 24
Sample ID: 57100-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 2/15/2011 6:13:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-002

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	10445.7	1.08612	mg/L	0.010325	1.08612	mg/L	0.010325	0.95%
Sb 206.836	-2.4	-0.0079294	mg/L	0.00103416	-0.0079294	mg/L	0.00103416	13.04%
As 188.979	1.9	-0.0009271	mg/L	0.00052055	-0.0009271	mg/L	0.00052055	56.15%
Ba 233.527	762.1	0.0239763	mg/L	0.00002970	0.0239763	mg/L	0.00002970	0.12%
Be 234.861	9.8	0.0002352	mg/L	0.00008337	0.0002352	mg/L	0.00008337	35.44%
Cd 226.502	19.7	0.0003641	mg/L	0.00013806	0.0003641	mg/L	0.00013806	37.91%
Ca 315.887	202436.6	7.70511	mg/L	0.019782	7.70511	mg/L	0.019782	0.26%
Cr 206.158	-90.4	0.0002671	mg/L	0.00090724	0.0002671	mg/L	0.00090724	339.65%
Co 228.616	35.7	-0.0077709	mg/L	0.00033851	-0.0077709	mg/L	0.00033851	4.36%
Cu 324.752	39919.9	0.328833	mg/L	0.0042244	0.328833	mg/L	0.0042244	1.28%
Fe 273.955	6874.5	0.487234	mg/L	0.0068811	0.487234	mg/L	0.0068811	1.41%
Pb 220.353	11.5	0.0000929	mg/L	0.00066852	0.0000929	mg/L	0.00066852	719.32%
Mg 279.077	21200.4	2.74540	mg/L	0.024524	2.74540	mg/L	0.024524	0.89%
Mn 257.610	34710.9	0.146620	mg/L	0.0001561	0.146620	mg/L	0.0001561	0.11%
Mo 202.031	2.7	-0.0077085	mg/L	0.00003910	-0.0077085	mg/L	0.00003910	0.51%
Ni 231.604	76.4	0.0041922	mg/L	0.00020978	0.0041922	mg/L	0.00020978	5.00%
Se 196.026	20.2	0.0010248	mg/L	0.00166766	0.0010248	mg/L	0.00166766	162.73%
Ag 328.068	40.9	0.0005310	mg/L	0.00002480	0.0005310	mg/L	0.00002480	4.67%
Na 330.237	3144.4	6.94259	mg/L	0.191196	6.94259	mg/L	0.191196	2.75%
Tl 190.801	2.9	-0.0026765	mg/L	0.00227306	-0.0026765	mg/L	0.00227306	84.93%
Sn 189.927	15.5	-0.0047309	mg/L	0.00005191	-0.0047309	mg/L	0.00005191	1.10%
Ti 334.940	1121.0	0.0062373	mg/L	0.00345637	0.0062373	mg/L	0.00345637	55.41%
V 292.402	262.6	-0.0042996	mg/L	0.00040281	-0.0042996	mg/L	0.00040281	9.37%
Zn 206.200	23125.5	1.66052	mg/L	0.010396	1.66052	mg/L	0.010396	0.63%

Sequence No.: 25
Sample ID: ICSA V-106424
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 2/15/2011 6:16:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-106424

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	4209150.7	444.832	mg/L	2.6024	444.832	mg/L	2.6024	0.59%
QC value within limits for Al 308.215 Recovery = 88.97%								
Sb 206.836	-24.3	-0.0034837	mg/L	0.00176437	-0.0034837	mg/L	0.00176437	50.65%
As 188.979	-6.9	0.0085259	mg/L	0.00335929	0.0085259	mg/L	0.00335929	39.40%
Ba 233.527	817.9	0.0322651	mg/L	0.00001141	0.0322651	mg/L	0.00001141	0.04%
Be 234.861	-9561.3	0.0444393	mg/L	0.00138753	0.0444393	mg/L	0.00138753	3.12%
Cd 226.502	1248.1	0.0101184	mg/L	0.00038597	0.0101184	mg/L	0.00038597	3.81%
Ca 315.887	10774515.8	446.919	mg/L	0.8121	446.919	mg/L	0.8121	0.18%
QC value within limits for Ca 315.887 Recovery = 89.38%								
Cr 206.158	40.1	-0.0089824	mg/L	0.00004939	-0.0089824	mg/L	0.00004939	0.55%
Co 228.616	86.2	-0.0053320	mg/L	0.00009831	-0.0053320	mg/L	0.00009831	1.84%
Cu 324.752	1779.1	0.0010479	mg/L	0.00115744	0.0010479	mg/L	0.00115744	110.45%
Fe 273.955	2106711.3	171.137	mg/L	0.6959	171.137	mg/L	0.6959	0.41%
QC value within limits for Fe 273.955 Recovery = 85.57%								
Pb 220.353	-191.2	-0.0148276	mg/L	0.00309204	-0.0148276	mg/L	0.00309204	20.85%
Mg 279.077	3529709.7	457.087	mg/L	2.6990	457.087	mg/L	2.6990	0.59%
QC value within limits for Mg 279.077 Recovery = 91.42%								
Mn 257.610	-1110.4	-0.0210095	mg/L	0.00008423	-0.0210095	mg/L	0.00008423	0.40%
Saturated outside survey window (code 6)								
Mo 202.031	-252.9	-0.0092955	mg/L	0.00083082	-0.0092955	mg/L	0.00083082	8.94%
Ni 231.604	205.9	0.0059125	mg/L	0.00005383	0.0059125	mg/L	0.00005383	0.91%
Se 196.026	187.4	0.0136642	mg/L	0.00335162	0.0136642	mg/L	0.00335162	24.53%
Ag 328.068	-939.9	0.0053504	mg/L	0.00006658	0.0053504	mg/L	0.00006658	1.24%
Na 330.237	11.7	0.624373	mg/L	0.0189133	0.624373	mg/L	0.0189133	3.03%
Tl 190.801	-6.3	0.0090200	mg/L	0.00370569	0.0090200	mg/L	0.00370569	41.08%
Sn 189.927	-36.3	-0.0014844	mg/L	0.00196811	-0.0014844	mg/L	0.00196811	132.58%
Ti 334.940	-399.0	-0.0022201	mg/L	0.00000667	-0.0022201	mg/L	0.00000667	0.30%
V 292.402	11438.8	0.0485517	mg/L	0.00134604	0.0485517	mg/L	0.00134604	2.77%
Zn 206.200	249.7	0.0000156	mg/L	0.00213080	0.0000156	mg/L	0.00213080	>999.9%

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: ICSAB V-105536
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 2/15/2011 6:21:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-105536

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	4222287.4	446.220	mg/L	2.9845	446.220	mg/L	2.9845	0.67%
QC value within limits for Al 308.215 Recovery = 89.24%								
Sb 206.836	1816.4	0.946276	mg/L	0.0031507	0.946276	mg/L	0.0031507	0.33%
QC value within limits for Sb 206.836 Recovery = 94.63%								
As 188.979	1219.8	0.957750	mg/L	0.0066402	0.957750	mg/L	0.0066402	0.69%
QC value within limits for As 188.979 Recovery = 95.78%								
Ba 233.527	15075.8	0.480503	mg/L	0.0003977	0.480503	mg/L	0.0003977	0.08%
QC value within limits for Ba 233.527 Recovery = 96.10%								
Be 234.861	161539.8	0.550390	mg/L	0.0021704	0.550390	mg/L	0.0021704	0.39%
QC value within limits for Be 234.861 Recovery = 110.08%								
Cd 226.502	42891.2	0.872900	mg/L	0.0061733	0.872900	mg/L	0.0061733	0.71%
QC value within limits for Cd 226.502 Recovery = 87.29%								
Ca 315.887	10646862.7	441.615	mg/L	2.0159	441.615	mg/L	2.0159	0.46%
QC value within limits for Ca 315.887 Recovery = 88.32%								
Cr 206.158	6010.5	0.463094	mg/L	0.0019530	0.463094	mg/L	0.0019530	0.42%
QC value within limits for Cr 206.158 Recovery = 92.62%								
Co 228.616	9132.3	0.443731	mg/L	0.0010127	0.443731	mg/L	0.0010127	0.23%
QC value within limits for Co 228.616 Recovery = 88.75%								
Cu 324.752	63390.6	0.513286	mg/L	0.0031595	0.513286	mg/L	0.0031595	0.62%
QC value within limits for Cu 324.752 Recovery = 102.66%								
Fe 273.955	2081100.8	169.056	mg/L	0.3852	169.056	mg/L	0.3852	0.23%
QC value within limits for Fe 273.955 Recovery = 84.53%								
Pb 220.353	3203.7	0.863727	mg/L	0.0043967	0.863727	mg/L	0.0043967	0.51%
QC value within limits for Pb 220.353 Recovery = 86.37%								
Mg 279.077	3492119.9	452.220	mg/L	0.2685	452.220	mg/L	0.2685	0.06%
QC value within limits for Mg 279.077 Recovery = 90.44%								
Mn 257.610	107078.6	0.436532	mg/L	0.0003363	0.436532	mg/L	0.0003363	0.08%
QC value within limits for Mn 257.610 Recovery = 87.31%								
Mo 202.031	-226.8	-0.0070798	mg/L	0.00034785	-0.0070798	mg/L	0.00034785	4.91%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	15676.9	0.858431	mg/L	0.0019407	0.858431	mg/L	0.0019407	0.23%
QC value within limits for Ni 231.604 Recovery = 85.84%								
Se 196.026	1819.0	0.895453	mg/L	0.0016607	0.895453	mg/L	0.0016607	0.19%
QC value within limits for Se 196.026 Recovery = 89.55%								
Ag 328.068	113432.8	1.03979	mg/L	0.008185	1.03979	mg/L	0.008185	0.79%
QC value within limits for Ag 328.068 Recovery = 103.98%								
Na 330.237	-761.5	-0.935029	mg/L	0.1448076	-0.935029	mg/L	0.1448076	15.49%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated								
Tl 190.801	1077.9	0.880174	mg/L	0.0003463	0.880174	mg/L	0.0003463	0.04%
QC value within limits for Tl 190.801 Recovery = 88.02%								
Sn 189.927	-34.9	-0.0013275	mg/L	0.00078917	-0.0013275	mg/L	0.00078917	59.45%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	-426.4	-0.0023723	mg/L	0.00011192	-0.0023723	mg/L	0.00011192	4.72%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	34207.0	0.458043	mg/L	0.0017875	0.458043	mg/L	0.0017875	0.39%
QC value within limits for V 292.402 Recovery = 91.61%								
Zn 206.200	13041.3	0.921745	mg/L	0.0006570	0.921745	mg/L	0.0006570	0.07%
QC value within limits for Zn 206.200 Recovery = 92.17%								

QC Failed. Continue with analysis.

Sequence No.: 27
Sample ID: CCV V-106422
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/15/2011 6:24:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-106422

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	46163.7	4.85192	mg/L	0.041142	4.85192	mg/L	0.041142	0.85%
QC value within limits for Al 308.215 Recovery = 97.04%								
Sb 206.836	954.2	0.492841	mg/L	0.0050132	0.492841	mg/L	0.0050132	1.02%
QC value within limits for Sb 206.836 Recovery = 98.57%								
As 188.979	638.6	0.491236	mg/L	0.0001480	0.491236	mg/L	0.0001480	0.03%
QC value within limits for As 188.979 Recovery = 98.25%								
Ba 233.527	16056.5	0.505395	mg/L	0.0023397	0.505395	mg/L	0.0023397	0.46%
QC value within limits for Ba 233.527 Recovery = 101.08%								
Be 234.861	166830.9	0.496377	mg/L	0.0017563	0.496377	mg/L	0.0017563	0.35%
QC value within limits for Be 234.861 Recovery = 99.28%								
Cd 226.502	24649.5	0.510125	mg/L	0.0008614	0.510125	mg/L	0.0008614	0.17%
QC value within limits for Cd 226.502 Recovery = 102.02%								
Ca 315.887	1214698.1	49.7592	mg/L	0.28418	49.7592	mg/L	0.28418	0.57%
QC value within limits for Ca 315.887 Recovery = 99.52%								
Cr 206.158	6506.8	0.504985	mg/L	0.0009056	0.504985	mg/L	0.0009056	0.18%
QC value within limits for Cr 206.158 Recovery = 101.00%								
Co 228.616	10608.5	0.516419	mg/L	0.0022329	0.516419	mg/L	0.0022329	0.43%
QC value within limits for Co 228.616 Recovery = 103.28%								
Cu 324.752	60193.9	0.496178	mg/L	0.0083183	0.496178	mg/L	0.0083183	1.68%
QC value within limits for Cu 324.752 Recovery = 99.24%								
Fe 273.955	62666.0	5.02130	mg/L	0.007216	5.02130	mg/L	0.007216	0.14%
QC value within limits for Fe 273.955 Recovery = 100.43%								
Pb 220.353	1942.1	0.501209	mg/L	0.0028125	0.501209	mg/L	0.0028125	0.56%
QC value within limits for Pb 220.353 Recovery = 100.24%								
Mg 279.077	386466.1	50.0463	mg/L	0.13873	50.0463	mg/L	0.13873	0.28%
QC value within limits for Mg 279.077 Recovery = 100.09%								
Mn 257.610	118344.5	0.497848	mg/L	0.0012615	0.497848	mg/L	0.0012615	0.25%
QC value within limits for Mn 257.610 Recovery = 99.57%								
Mo 202.031	5803.2	0.491802	mg/L	0.0042066	0.491802	mg/L	0.0042066	0.86%
QC value within limits for Mo 202.031 Recovery = 98.36%								
Ni 231.604	9422.8	0.519267	mg/L	0.0014121	0.519267	mg/L	0.0014121	0.27%
QC value within limits for Ni 231.604 Recovery = 103.85%								
Se 196.026	950.4	0.496268	mg/L	0.0012722	0.496268	mg/L	0.0012722	0.26%
QC value within limits for Se 196.026 Recovery = 99.25%								
Ag 328.068	10934.5	0.100013	mg/L	0.0001064	0.100013	mg/L	0.0001064	0.11%
QC value within limits for Ag 328.068 Recovery = 100.01%								
Na 330.237	22744.4	46.4720	mg/L	0.36045	46.4720	mg/L	0.36045	0.78%
QC value within limits for Na 330.237 Recovery = 92.94%								
Tl 190.801	665.7	0.535533	mg/L	0.0082624	0.535533	mg/L	0.0082624	1.54%
QC value within limits for Tl 190.801 Recovery = 107.11%								
Sn 189.927	1770.5	0.508725	mg/L	0.0001267	0.508725	mg/L	0.0001267	0.02%
QC value within limits for Sn 189.927 Recovery = 101.75%								
Ti 334.940	88290.0	0.491240	mg/L	0.0038528	0.491240	mg/L	0.0038528	0.78%
QC value within limits for Ti 334.940 Recovery = 98.25%								
V 292.402	28570.0	0.491213	mg/L	0.0042387	0.491213	mg/L	0.0042387	0.86%
QC value within limits for V 292.402 Recovery = 98.24%								
Zn 206.200	7233.5	0.514259	mg/L	0.0007589	0.514259	mg/L	0.0007589	0.15%
QC value within limits for Zn 206.200 Recovery = 102.85%								

All analyte(s) passed QC.

Sequence No.: 28
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/15/2011 6:27:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	-150.1	-0.0337175	mg/L	0.00057114	-0.0337175	mg/L	0.00057114	1.69%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836	-2.4	-0.0080065	mg/L	0.00158508	-0.0080065	mg/L	0.00158508	19.80%
QC value within limits for Sb 206.836 Recovery = Not calculated								
As 188.979	-0.3	-0.0027230	mg/L	0.00007110	-0.0027230	mg/L	0.00007110	2.61%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527	-19.2	-0.0006102	mg/L	0.00013827	-0.0006102	mg/L	0.00013827	22.66%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861	17.2	0.0000265	mg/L	0.00004031	0.0000265	mg/L	0.00004031	151.96%
QC value within limits for Be 234.861 Recovery = Not calculated								
Cd 226.502	-2.0	-0.0000355	mg/L	0.00001537	-0.0000355	mg/L	0.00001537	43.29%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ca 315.887	538.1	-0.682697	mg/L	0.0020737	-0.682697	mg/L	0.0020737	0.30%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cr 206.158	7.3	-0.0051282	mg/L	0.00000688	-0.0051282	mg/L	0.00000688	0.13%
QC value within limits for Cr 206.158 Recovery = Not calculated								
Co 228.616	34.5	-0.0078193	mg/L	0.00016117	-0.0078193	mg/L	0.00016117	2.06%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cu 324.752	239.7	-0.0007813	mg/L	0.00023346	-0.0007813	mg/L	0.00023346	29.88%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955	193.6	-0.0557119	mg/L	0.00029039	-0.0557119	mg/L	0.00029039	0.52%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Pb 220.353	-10.0	-0.0056843	mg/L	0.00058922	-0.0056843	mg/L	0.00058922	10.37%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Mg 279.077	1536.8	0.199011	mg/L	0.0049330	0.199011	mg/L	0.0049330	2.48%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610	48.0	0.0001893	mg/L	0.00004000	0.0001893	mg/L	0.00004000	21.13%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031	5.9	-0.0074847	mg/L	0.00034874	-0.0074847	mg/L	0.00034874	4.66%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604	46.7	0.0025733	mg/L	0.00001670	0.0025733	mg/L	0.00001670	0.65%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Se 196.026	7.6	-0.0044315	mg/L	0.00150890	-0.0044315	mg/L	0.00150890	34.05%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	-9.1	-0.0000969	mg/L	0.00041746	-0.0000969	mg/L	0.00041746	430.87%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Na 330.237	-23.8	0.552879	mg/L	0.0217098	0.552879	mg/L	0.0217098	3.93%
QC value within limits for Na 330.237 Recovery = Not calculated								
Tl 190.801	-3.3	-0.0081307	mg/L	0.00093806	-0.0081307	mg/L	0.00093806	11.54%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Sn 189.927	3.4	-0.0086216	mg/L	0.00029065	-0.0086216	mg/L	0.00029065	3.37%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940	53.6	0.0002981	mg/L	0.00002327	0.0002981	mg/L	0.00002327	7.81%
QC value within limits for Ti 334.940 Recovery = Not calculated								
V 292.402	24.7	-0.0077347	mg/L	0.00043102	-0.0077347	mg/L	0.00043102	5.57%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200	222.1	0.0104698	mg/L	0.00053742	0.0104698	mg/L	0.00053742	5.13%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5482	Nitric Acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-104863

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 12/29/2010
Expiration Date: 3/28/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5482	Nitric Acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-105536

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5482	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-105539

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5482	Nitric Acid	25 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-105541

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-106422

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5401	ICV1	10 ml	NEAT neat	

Veritech Lot Number: V-106424

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5247	ICSA	50 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106428

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107293

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 1000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107507

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 2/3/2011
Expiration Date: 8/3/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5481	Hydrochloric acid	1000 ml	neat neat	

Veritech Lot Number: V-107508

Prepared By: Aliano, Carmela
Description: 1:1 HNO3
Prep Date: 2/3/2011
Expiration Date: 8/3/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5540	Nitric Acid	1500 ml	neat neat	
1014	DI water (fill to volume)	1500 ml		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description: DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4840

Description: Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description: Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description: Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description: Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4858

Description: Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4950

Description: ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4951

Description: ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description: ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description: icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description: hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description: ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description: ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5481

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Description
Hydrochloric acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Description
Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Description
Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Metal Data
Digestion Logbook Data

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A 3050B (6020) (200.2) OTHER _____

Batch No.: 12318 Analyst: JPC

QC Number: 3327 Prep Date: 2/15/11

Matrix: 600 H_2O Reviewed By: JB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	100ml	50ml				--	
LCS	↓	↓				--	
LCSD						--	
1. AC 56873-004							
MR AC 56873-004							
MS AC 56873-004							
MSD AC 56873-004							
2. AC 57127-005							Field Preserved
3. AC 57127-006							+
4. AC 57100-002	↓	↓					
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 94.3 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	0.5ml	V-5401, 5402
LLLCS, LLLCSD		V-
MS, MSD	0.5ml	V- 5401, 5402
LLMS, LLMSD		V-

Acid	Vol mL	Lot#
HNO_3		V-
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3	3.2	V- 107508
1:1 HCl	1	V- 107507

JPC 2/15/11

Relinquished By Kelly M Cahill Date 2/15/11 JPC 2/15/11

Received By _____ Date 2/15/11

SPLP
Metal Data

SPLP
Metal Data
Sample Data

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-39-3	Barium	0.33	23JB	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-43-9	Cadmium	0.43	1.2JB	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-47-3	Chromium	0.71	4.5JB	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7439-92-1	Lead	2.1	4.4J	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	18	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A
7440-22-4	Silver	0.74	1.5J	1	50	50	02/15/11	3328	SP12319A2	22	P	PEICP2A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-006	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A
7440-39-3	Barium	0.33	9.8JB	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A
7440-43-9	Cadmium	0.43	0.82JB	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A
7440-47-3	Chromium	0.71	1.6JB	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	19	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	02/15/11	33283	P12319A2	23	P	PEICP2A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-011	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-39-3	Barium	0.33	5.2J	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-47-3	Chromium	0.71	3.0JB	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/25/11	33501	12334SPb	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/01/11	33503	P12334C2	21	P	PEICP2A

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-016	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-39-3	Barium	0.33	6.4JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-43-9	Cadmium	0.43	0.94JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-47-3	Chromium	0.71	1.8JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/03/11	3382	H12358SP	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A
7440-22-4	Silver	0.74	1.1JB	1	50	50	03/03/11	3382	SP12358B2	21	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC57100-021	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	ISSS6 large monolith (	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	SPLP	Date Rec:	2/4/2011	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-38-2	Arsenic	5.8	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-39-3	Barium	0.33	5.2J	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-47-3	Chromium	0.71	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/09/11	3400	H12376SP	17	CV	HGCV2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/07/11	3400	SP12376A2	20	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3328 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3328 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30	61J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-36-0	Antimony	4.8	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-38-2	Arsenic	5.8	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-39-3	Barium	0.33	1.2J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-41-7	Beryllium	0.062	0.86J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-43-9	Cadmium	0.43	1.3J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-70-2	Calcium	43	310J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-47-3	Chromium	0.71	0.79J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-48-4	Cobalt	0.56	0.83J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-50-8	Copper	1.5	3.0J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-89-6	Iron	12	99J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-95-4	Magnesium	13	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-96-5	Manganese	0.45	3.3J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/17/11	3328	H12319SP	11	CV	HGCV2A
7439-98-7	Molybdenum	0.55	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-02-0	Nickel	0.80	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7782-49-2	Selenium	6.4	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-28-0	Thallium	1.6	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-31-5	Tin	2.3	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-32-6	Titanium	0.35	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-62-2	Vanadium	1.6	ND	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A
7440-66-6	Zinc	1.4	6.5J	1	50	50	02/15/11	3328	SP12319A2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3350 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3350 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-36-0	Antimony	4.8	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-38-2	Arsenic	5.8	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-39-3	Barium	0.33	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-41-7	Beryllium	0.062	0.79J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-70-2	Calcium	43	480J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-47-3	Chromium	0.71	1.0J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-48-4	Cobalt	0.56	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-50-8	Copper	1.5	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-89-6	Iron	12	31J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-95-4	Magnesium	13	110J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-96-5	Manganese	0.45	1.2J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	02/25/11	3350	H12334SPb	11	CV	HGCV2A
7439-98-7	Molybdenum	0.55	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-02-0	Nickel	0.80	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-28-0	Thallium	1.6	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-31-5	Tin	2.3	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-32-6	Titanium	0.35	0.42J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-62-2	Vanadium	1.6	ND	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A
7440-66-6	Zinc	1.4	5.4J	1	50	50	03/01/11	3350	SP12334C2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3382 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3382 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30.5	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-36-0	Antimony	4.77	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-38-2	Arsenic	5.84	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-39-3	Barium	0.332	0.673J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-41-7	Beryllium	0.0617	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-43-9	Cadmium	0.432	0.722J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-70-2	Calcium	43.2	468J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-47-3	Chromium	0.710	1.16J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-48-4	Cobalt	0.557	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-50-8	Copper	1.48	4.23J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-89-6	Iron	11.6	34.7J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-92-1	Lead	2.06	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-95-4	Magnesium	12.7	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-96-5	Manganese	0.446	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/03/11	3382	H12358SP	11	CV	HGCV2A
7439-98-7	Molybdenum	0.551	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-02-0	Nickel	0.799	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7782-49-2	Selenium	6.36	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-22-4	Silver	0.739	0.739J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-28-0	Thallium	1.63	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-31-5	Tin	2.30	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-32-6	Titanium	0.350	0.650J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-62-2	Vanadium	1.59	ND	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A
7440-66-6	Zinc	1.43	4.42J	1	50	50	03/03/11	3382	SP12358B2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 3400 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 3400 (1) Units: UG/L Lab Code:
Matrix: SPLP
Level: LOW

Cas No.	Analyte	MDL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	30	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-36-0	Antimony	4.8	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-38-2	Arsenic	5.8	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-39-3	Barium	0.33	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-41-7	Beryllium	0.062	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-43-9	Cadmium	0.43	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-70-2	Calcium	43	520J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-47-3	Chromium	0.71	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-48-4	Cobalt	0.56	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-50-8	Copper	1.5	2.9J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-89-6	Iron	12	360J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-92-1	Lead	2.1	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-95-4	Magnesium	13	37J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-96-5	Manganese	0.45	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7439-97-6	Mercury	0.082	ND	1	25	25	03/09/11	3400	H12376SP	11	CV	HGCV2A
7439-98-7	Molybdenum	0.55	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-02-0	Nickel	0.80	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7782-49-2	Selenium	6.4	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-22-4	Silver	0.74	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-28-0	Thallium	1.6	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-31-5	Tin	2.3	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-32-6	Titanium	0.35	0.50J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-62-2	Vanadium	1.6	ND	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A
7440-66-6	Zinc	1.4	10J	1	50	50	03/07/11	3400	SP12376A2	11	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

SPLP
Metal Data
QC Data

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/15/11
Data File: SP12319A2
Prep Batch: 3328
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-106421 (2)-7	Rec	CCV V-107291-18	Rec	CCV V-107291-28	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	1.02822	103	0.49482	99	0.48932	98					
Barium	1/.5	1.03267	103	0.50771	102	0.50454	101					
Cadmium	1/.5	1.03162	103	0.50180	100	0.49967	100					
Chromium	1/.5	1.02403	102	0.50510	101	0.50225	100					
Lead	1/.5	1.02513	103	0.50872	102	0.49905	100					
Selenium	1/.5	1.04266	104	0.50745	101	0.49100	98					
Silver	0.2/0.1	0.20088	100	0.09612	96	0.09478	95					

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/01/11
Data File: SP12334C2
Prep Batch: 3350
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-107292 (2)-7	Rec	CCV V-108509-18	Rec	CCV V-108509-25	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	0.96799	97	0.48416	97	0.47730	95					
Barium	1/.5	0.99804	100	0.51582	103	0.51254	103					
Cadmium	1/.5	0.97538	98	0.48447	97	0.47885	96					
Chromium	1/.5	0.98779	99	0.50891	102	0.50726	101					
Lead	1/.5	0.99112	99	0.51341	103	0.50917	102					
Selenium	1/.5	0.96994	97	0.48214	96	0.47375	95					
Silver	0.2/0.1	0.19172	96	0.09146	91	0.08998	90					

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/03/11
Data File: SP12358B2
Prep Batch: 3382
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-107292 (2)-7	Rec	CCV V-108509-19	Rec	CCV V-108509-25	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	1.02336	102	0.51018	102	0.50801	102					
Barium	1/.5	1.02080	102	0.50739	101	0.51108	102					
Cadmium	1/.5	1.02218	102	0.50414	101	0.50695	101					
Chromium	1/.5	1.01565	102	0.50695	101	0.50973	102					
Lead	1/.5	1.02180	102	0.51517	103	0.51587	103					
Selenium	1/.5	1.01864	102	0.51287	103	0.51935	104					
Silver	0.2/0.1	0.20015	100	0.09930	99	0.10021	100					

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/07/11
Data File: SP12376A2
Prep Batch: 3400
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

Analyte	ICV/CCV Amt	ICV V-107292 (2)-7	Rec	CCV V-108509-18	Rec	CCV V-108509-25	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec
Arsenic	1/.5	1.00812	101	0.49075	98	0.49722	99								
Barium	1/.5	1.01589	102	0.51386	103	0.51500	103								
Cadmium	1/.5	1.02055	102	0.50642	101	0.50973	102								
Chromium	1/.5	1.01063	101	0.50921	102	0.51203	102								
Lead	1/.5	1.00853	101	0.51198	102	0.51350	103								
Selenium	1/.5	1.02168	102	0.49851	100	0.50344	101								
Silver	0.2/0.1	0.20015	100	0.09761	98	0.09807	98								

Notes: a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits: ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/17/11
Data File: H12319SP
Prep Batch: 3328
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-21		CCV-24									
Analyte	ICV/CCV Amt		Rec		Rec		Rec	Rec		Rec		Rec		Rec	
Mercury	20/10	20.64000	103	10.02000	100	10.02000	100								

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 02/25/11
Data File: H12334SPb
Prep Batch: 3350
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19						
Analyte	ICV/CCV Amt		Rec		Rec	Rec	Rec	Rec	Rec	Rec	Rec
Mercury	20/10	20.63000	103	10.42000	104						

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/03/11
Data File: H12358SP
Prep Batch: 3382
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19													
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.20000	101	10.21000	102												

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 2
(ICV/CCV Summary)

Date Analyzed: 03/09/11
Data File: H12376SP
Prep Batch: 3400
Analytical Method: 6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICV/CCV SOURCE: VHG LABS

		ICV (2)-9		CCV-19															
Analyte	ICV/CCV Amt		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec		Rec
Mercury	20/10	20.34000	102	10.16000	102														

Notes:
a-indicates analyte failed the ICV limits for 6010B, 6020
b-indicates analyte failed the ICV limits for 200.7 or 200.8
c-indicates analyte failed the CCV limits for 200.7/200.8/245.1/6010B (Except Hg 7470A,7471A),6020
d-indicates analyte failed the CCV limits Hg 7470A/7471A

Qc Limits:
ICV - 200.7 : 95-105
CCV- 200.7/200.8/6010B/245.1 : 90-110 (Except Hg 7470A/ 7471A=80-120)
ICV -6010B/6020/200.8 : 90-110

CLP ICP ICV/CCV: 90-110
CLP Hg ICV/CCV: 80-120

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/15/11
Data File: SP12319A2
Prep Batch: 3328
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-107293-8	CCB-19	CCB-29	MB 3328 (1)-11	EF DI BLANK 02/11/2011-24	EF DI BLANK 02/15/2011-25
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U	.0058 U
Barium	.000384 a	.000493 a	.000487 a	.0012 a	.00088 a	.00099 a
Cadmium	.00106 a	.00106 a	.00103 a	.0013 a	.0012 a	.001 a
Chromium	.00071 U	.00071 U	.00071 U	.00079 a	.0012 a	.00072 a
Lead	.00206 U	.00244 a	.00206 U	.0021 U	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U	.0064 U
Silver	.000739 U	.000739 U	.000739 U	.00074 U	.00092 a	.00074 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/01/11
Data File: SP12334C2
Prep Batch: 3350
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-108505-8	CCB-19	CCB-26	MB 3350 (1)-11	EF DI BLANK 2/20-22
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U
Barium	-.000884 a	-.00151 a	-.00135 a	.00033 U	.00033 U
Cadmium	.000432 U	-.00102 a	-.00112 a	.00043 U	.00043 U
Chromium	.00071 U	.00071 U	.00071 U	.001 a	.00093 a
Lead	.00206 U	.00206 U	-.00314 a	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U
Silver	.000739 U	.000739 U	.000739 U	.00074 U	.00074 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/03/11
Data File: SP12358B2
Prep Batch: 3382
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-108505-8	CCB-20	CCB-26	MB 3382 (1)-11	EF-DIH2O 2/25-22
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U
Barium	.000332 U	.000332 U	.000332 U	.00067 a	.00033 U
Cadmium	.00113 a	.000899 a	.00113 a	.00072 a	.001 a
Chromium	.00071 U	.00071 U	.00071 U	.0012 a	.00071 U
Lead	.00206 U	.00206 U	.00206 U	.0021 U	.0021 U
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U
Silver	.000739 U	.00101 a	.00096 a	.00074 a	.00095 a

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/07/11
Data File: SP12376A2
Prep Batch: 3400
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-108505-8	CCB-19	CCB-26	MB 3400 (1)-11	EF-DIH2O-22			
Arsenic	.00584 U	.00584 U	.00584 U	.0058 U	.0058 U			
Barium	-.00148 a	-.00139 a	-.00142 a	.00033 U	.00033 U			
Cadmium	.000432 U	.000432 U	.000432 U	.00043 U	.00043 U			
Chromium	-.0014 a	-.00122 a	-.00132 a	.00071 U	.00071 U			
Lead	.00206 U	.00206 U	.00206 U	.0021 U	.0021 U			
Selenium	.00636 U	.00636 U	.00636 U	.0064 U	.0064 U			
Silver	.000739 U	.000739 U	.000739 U	.00074 U	.00074 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/17/11
Data File: H12319SP
Prep Batch: 3328
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-25	MB 3328 (1)-11	EF-DI-2/11-20	EF-DI-2/15-23
Mercury	.0816 U	.0816 U	.0816 U	.082 U	.082 U	.082 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 02/25/11
Data File: H12334SPb
Prep Batch: 3350
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3350 (1)-11	EF-DI-BLANK 2/20-18
Mercury	.0816 U	.0816 U	.082 U	.082 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/03/11
Data File: H12358SP
Prep Batch: 3382
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3382 (1)-11	EF-DI-BLANK 2/25-18				
Mercury	-.151 a	-.156 a	.082 U	.082 U				

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 03/09/11
Data File: H12376SP
Prep Batch: 3400
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-20	MB 3400 (1)-11	EF-DI-BLANK 3/2-18
Mercury	.0816 U	.0816 U	.082 U	.082 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 02/15/11
Data File: SP12319A2
Prep Batch: 3328
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107288-9	Rec	ICSAB V-106425-10	Rec	ICSA V-107288-26	Rec	ICSAB V-106425-27	Rec	Rec	Rec	Rec	Rec
Aluminum	500	506.498	101	504.31300	101	506.135	101	501.74700	100				
Arsenic	1	.0084419b		1.01357	101	.0164293a		1.00620	101				
Barium	.5	.0023315a		0.51533	103	.0026752a		0.51251	103				
Cadmium	1	.000758b		1.02530	103	U		1.02104	102				
Calcium	500	485.712	97	483.23100	97	483.804	97	478.48800	96				
Chromium	.5	.0054488a		0.49795	100	.0053951a		0.49396	99				
Iron	200	189.336	95	189.01600	95	188.296	94	186.86300	93				
Lead	1	U		0.94825	95	U		0.93801	94				
Magnesium	500	502.319	100	500.04700	100	500.9	100	495.49100	99				
Selenium	1	-.0154516a		1.00437	100	-.0102648b		0.98234	98				
Silver	1	U		1.04016	104	U		1.02091	102				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/01/11
Data File: SP12334C2
Prep Batch: 3350
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107289-9	Rec	ICSAB V-107290-10	Rec	ICSA V-107289-23	Rec	ICSAB V-107290-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	506.657	101	504.55900	101	502.949	101	498.97400	100				
Arsenic	1	U		0.95089	95	U		0.96678	97				
Barium	.5	.0010021a		0.49908	100	.0004765b		0.51330	103				
Cadmium	1	-.0012858a		0.95541	96	-.0024519a		0.96858	97				
Calcium	500	469.799	94	468.25300	94	483.54	97	480.35100	96				
Chromium	.5	.0048069a		0.47757	96	.0044264a		0.49342	99				
Iron	200	182.628	91	181.41000	91	183.824	92	182.59600	91				
Lead	1	.0151362a		0.94061	94	.006929a		0.97233	97				
Magnesium	500	485.806	97	483.90900	97	504.741	101	501.26600	100				
Selenium	1	-.012303b		0.91129	91	-.0202132a		0.92752	93				
Silver	1	-.0029059a		0.96841	97	-.0024594a		0.94482	94				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/03/11
Data File: SP12358B2
Prep Batch: 3382
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107289-9	Rec	ICSAB V-107290-10	Rec	ICSA V-107289-23	Rec	ICSAB V-107290-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	506.599	101	501.73000	100	505.679	101	498.03300	100				
Arsenic	1	.0129881a		1.02844	103	U		1.03145	103				
Barium	.5	.0018866a		0.51306	103	.0018065a		0.51123	102				
Cadmium	1	U		1.02336	102	U		1.01635	102				
Calcium	500	484.286	97	478.94600	96	484.752	97	478.95500	96				
Chromium	.5	.0053066a		0.49795	100	.005352a		0.49398	99				
Iron	200	184.36	92	185.99100	93	186.215	93	184.61900	92				
Lead	1	.0051865a		0.96333	96	U		0.96642	97				
Magnesium	500	505.541	101	499.87000	100	506.456	101	500.97000	100				
Selenium	1	-.0266898a		0.97711	98	-.0371524a		0.98431	98				
Silver	1	U		1.04730	105	U		1.02694	103				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM 4
(ICSA/ICSAB Summary)

Date Analyzed: 03/07/11
Data File: SP12376A2
Prep Batch: 3400
Reporting Limits Used: SPLP,6010B(ICP)/7470A,7471A(Hg),6020
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 1020306

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:
ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-107289-9	Rec	ICSAB V-107290-10	Rec	ICSA V-107289-23	Rec	ICSAB V-107290-24	Rec	Rec	Rec	Rec	Rec
Aluminum	500	514.373	103	507.76800	102	505.089	101	504.13800	101				
Arsenic	1	U		1.04713	105	U		1.03901	104				
Barium	.5	U		0.52881	106	U		0.52491	105				
Cadmium	1	-.0008234b		1.04999	105	-.0008216b		1.03897	104				
Calcium	500	486.735	97	481.53600	96	477.162	95	478.14100	96				
Chromium	.5	.003442a		0.51008	102	.0031999a		0.50465	101				
Iron	200	191.945	96	191.15500	96	189.148	95	188.74500	94				
Lead	1	U		0.97722	98	U		0.97275	97				
Magnesium	500	505.673	101	501.39100	100	496.271	99	499.21100	100				
Selenium	1	.0200459a		1.05504	106	.0178975a		1.04344	104				
Silver	1	-.0032708a		1.07305	107	-.003032a		1.04564	105				

Notes: a-indicates absolute value of the concentration > 2 * Reporting Limits In the ICSA
b-indicates absolute value of the concentration above Reporting Limits but < 2 * Reporting Limits in the ICSA
c-indicates the recovery failed the Qc Criteria in the ICSAB
u-indicates the absolute value of the concentration was below the reporting limit

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 3328

Instrument Type: ICP/HG
Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3328

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3328	1	SP12319A	13	0.4640	.500	93		75	125
Barium	3328	1	SP12319A	13	0.4782	.500	96		75	125
Cadmium	3328	1	SP12319A	13	0.4727	.500	95		75	125
Chromium	3328	1	SP12319A	13	0.4770	.500	95		75	125
Lead	3328	1	SP12319A	13	0.4755	.500	95		75	125
Mercury	3328	1	H12319SP	13	10.4200	10	104		75	125
Selenium	3328	1	SP12319A	13	0.4644	.500	93		75	125
Silver	3328	1	SP12319A	13	0.0919	0.100	92		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW 3328

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3328	1	SP12319A	12	0.4839	.500	97		75	125
Barium	3328	1	SP12319A	12	0.5007	.500	100		75	125
Cadmium	3328	1	SP12319A	12	0.4932	.500	99		75	125
Chromium	3328	1	SP12319A	12	0.5029	.500	101		75	125
Lead	3328	1	SP12319A	12	0.4938	.500	99		75	125
Mercury	3328	1	H12319SP	12	10.1300	10	101		75	125
Selenium	3328	1	SP12319A	12	0.4883	.500	98		75	125
Silver	3328	1	SP12319A	12	0.0955	0.100	95		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3328	1	SP12319A	16	SP12319A	14	0.4537	0.00584U	.500	91		50	
Barium	3328	1	SP12319A	16	SP12319A	14	4.7974	0.0184	5.00	96		50	
Cadmium	3328	1	SP12319A	16	SP12319A	14	0.4601	0.0016	.500	92		50	
Chromium	3328	1	SP12319A	16	SP12319A	14	0.4724	0.0071	.500	93		50	
Lead	3328	1	SP12319A	16	SP12319A	14	4.7493	0.0151	5.00	95		50	
Mercury	3328	1	H12319SP	16	H12319SP	14	9.3610	0.0816U	10.000	94		50	
Selenium	3328	1	SP12319A	16	SP12319A	14	0.4501	0.00636U	.500	90		50	
Silver	3328	1	SP12319A	16	SP12319A	14	0.0887	0.0010	0.1	88		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3328

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SPLP SampleID: AC57098-001

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	1	SP12319A	17	SP12319A	14	0.4630	0.00584U	0.5	93		75	125
Barium	1	SP12319A	17	SP12319A	14	4.9778	0.0184	5	99		75	125
Cadmium	1	SP12319A	17	SP12319A	14	0.4702	0.0016	0.5	94		75	125
Chromium	1	SP12319A	17	SP12319A	14	0.4822	0.0071	0.5	95		75	125
Lead	1	SP12319A	17	SP12319A	14	4.7881	0.0151	5	95		75	125
Selenium	1	SP12319A	17	SP12319A	14	0.4621	0.00636U	0.5	92		75	125
Silver	1	SP12319A	17	SP12319A	14	0.0861	0.0010	0.1	85		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3350

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3350	1	SP12334C	13	0.4354	.500	87		75	125
Barium	3350	1	SP12334C	13	0.4665	.500	93		75	125
Cadmium	3350	1	SP12334C	13	0.4350	.500	87		75	125
Chromium	3350	1	SP12334C	13	0.4568	.500	91		75	125
Lead	3350	1	SP12334C	13	0.4554	.500	91		75	125
Mercury	3350	1	H12334SP	13	10.5300	10	105		75	125
Selenium	3350	1	SP12334C	13	0.4336	.500	87		75	125
Silver	3350	1	SP12334C	13	0.0822	0.100	82		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3350	1	SP12334C	12	0.4302	.500	86		75	125
Barium	3350	1	SP12334C	12	0.4593	.500	92		75	125
Cadmium	3350	1	SP12334C	12	0.4285	.500	86		75	125
Chromium	3350	1	SP12334C	12	0.4489	.500	90		75	125
Lead	3350	1	SP12334C	12	0.4509	.500	90		75	125
Mercury	3350	1	H12334SP	12	10.4200	10	104		75	125
Selenium	3350	1	SP12334C	12	0.4194	.500	84		75	125
Silver	3350	1	SP12334C	12	0.0819	0.100	82		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-010

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3350	1	SP12334C	16	SP12334C	14	0.4498	0.2U	.500	90		50	
Barium	3350	1	SP12334C	16	SP12334C	14	4.8844	.25U	5.00	98		50	
Cadmium	3350	1	SP12334C	16	SP12334C	14	0.4474	0.05U	.500	89		50	
Chromium	3350	1	SP12334C	16	SP12334C	14	0.4716	0.2U	.500	94		50	
Lead	3350	1	SP12334C	16	SP12334C	14	4.8844	0.065U	5.00	98		50	
Mercury	3350	1	H12334SP	16	H12334SP	14	10.3800	0.0816U	10.000	104		50	
Selenium	3350	1	SP12334C	16	SP12334C	14	0.4409	0.2U	.500	88		50	
Silver	3350	1	SP12334C	16	SP12334C	14	0.0843	0.05U	0.1	84		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3350

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SPLP SampleID: AC57098-010

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	1	SP12334C	17	SP12334C	14	0.4755	0.2U	0.5	95		75	125
Barium	1	SP12334C	17	SP12334C	14	5.0818	.25U	5	102		75	125
Cadmium	1	SP12334C	17	SP12334C	14	0.4665	0.05U	0.5	93		75	125
Chromium	1	SP12334C	17	SP12334C	14	0.4905	0.2U	0.5	98		75	125
Lead	1	SP12334C	17	SP12334C	14	5.0139	0.065U	5	100		75	125
Selenium	1	SP12334C	17	SP12334C	14	0.4669	0.2U	0.5	93		75	125
Silver	1	SP12334C	17	SP12334C	14	0.0770	0.05U	0.1	77		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 3382

Instrument Type: ICP/HG
Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3382

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3382	1	SP12358B	13	0.4308	.500	86		75	125
Barium	3382	1	SP12358B	13	0.4407	.500	88		75	125
Cadmium	3382	1	SP12358B	13	0.4342	.500	87		75	125
Chromium	3382	1	SP12358B	13	0.4397	.500	88		75	125
Lead	3382	1	SP12358B	13	0.4416	.500	88		75	125
Mercury	3382	1	H12358SP	13	10.4200	10	104		75	125
Selenium	3382	1	SP12358B	13	0.4329	.500	87		75	125
Silver	3382	1	SP12358B	13	0.0858	0.100	86		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW 3382

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3382	1	SP12358B	12	0.4273	.500	85		75	125
Barium	3382	1	SP12358B	12	0.4376	.500	88		75	125
Cadmium	3382	1	SP12358B	12	0.4332	.500	87		75	125
Chromium	3382	1	SP12358B	12	0.4383	.500	88		75	125
Lead	3382	1	SP12358B	12	0.4383	.500	88		75	125
Mercury	3382	1	H12358SP	12	10.4800	10	105		75	125
Selenium	3382	1	SP12358B	12	0.4296	.500	86		75	125
Silver	3382	1	SP12358B	12	0.0850	0.100	85		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-015

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3382	1	SP12358B	16	SP12358B	14	0.4494	0.00584U	.500	90		50	
Barium	3382	1	SP12358B	16	SP12358B	14	4.6135	0.0050	5.00	92		50	
Cadmium	3382	1	SP12358B	16	SP12358B	14	0.4437	0.0010	.500	89		50	
Chromium	3382	1	SP12358B	16	SP12358B	14	0.4477	0.0007	.500	89		50	
Lead	3382	1	SP12358B	16	SP12358B	14	4.7148	0.00206U	5.00	94		50	
Mercury	3382	1	H12358SP	16	H12358SP	14	10.3600	0.0816U	10.000	104		50	
Selenium	3382	1	SP12358B	16	SP12358B	14	0.4508	0.00636U	.500	90		50	
Silver	3382	1	SP12358B	16	SP12358B	14	0.0871	0.0009	0.1	86		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3382

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SPLP SampleID: AC57098-015

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	1	SP12358B	17	SP12358B	14	0.4758	0.00584U	0.5	95		75	125
Barium	1	SP12358B	17	SP12358B	14	0.4796	0.0050	0.5	95		75	125
Cadmium	1	SP12358B	17	SP12358B	14	0.4685	0.0010	0.5	93		75	125
Chromium	1	SP12358B	17	SP12358B	14	0.4735	0.0007	0.5	95		75	125
Lead	1	SP12358B	17	SP12358B	14	0.4845	0.00206U	0.5	97		75	125
Selenium	1	SP12358B	17	SP12358B	14	0.4769	0.00636U	0.5	95		75	125
Silver	1	SP12358B	17	SP12358B	14	0.0815	0.0009	0.1	81		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 3400

Instrument Type: ICP/HG
Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3400

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3400	1	SP12376A	13	0.4540	.500	91		75	125
Barium	3400	1	SP12376A	13	0.4733	.500	95		75	125
Cadmium	3400	1	SP12376A	13	0.4659	.500	93		75	125
Chromium	3400	1	SP12376A	13	0.4745	.500	95		75	125
Lead	3400	1	SP12376A	13	0.4725	.500	95		75	125
Mercury	3400	1	H12376SP	13	10.5100	10	105		75	125
Selenium	3400	1	SP12376A	13	0.4614	.500	92		75	125
Silver	3400	1	SP12376A	13	0.0899	0.100	90		75	125

TxtQcType: LCS Matrix: SPLP SampleID: LCSW 3400

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3400	1	SP12376A	12	0.4635	.500	93		75	125
Barium	3400	1	SP12376A	12	0.4787	.500	96		75	125
Cadmium	3400	1	SP12376A	12	0.4716	.500	94		75	125
Chromium	3400	1	SP12376A	12	0.4767	.500	95		75	125
Lead	3400	1	SP12376A	12	0.4790	.500	96		75	125
Mercury	3400	1	H12376SP	12	10.3100	10	103		75	125
Selenium	3400	1	SP12376A	12	0.4655	.500	93		75	125
Silver	3400	1	SP12376A	12	0.0916	0.100	92		75	125

TxtQcType: MS Matrix: SPLP SampleID: AC57098-020

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	3400	1	SP12376A	16	SP12376A	14	0.4635	0.00584U	.500	93		50	
Barium	3400	1	SP12376A	16	SP12376A	14	4.9610	0.0071	5.00	99		50	
Cadmium	3400	1	SP12376A	16	SP12376A	14	0.4696	0.000432U	.500	94		50	
Chromium	3400	1	SP12376A	16	SP12376A	14	0.4768	0.0008	.500	95		50	
Lead	3400	1	SP12376A	16	SP12376A	14	4.9318	0.0045	5.00	99		50	
Mercury	3400	1	H12376SP	16	H12376SP	14	10.1500	0.0816U	10.000	102		50	
Selenium	3400	1	SP12376A	16	SP12376A	14	0.4650	0.00636U	.500	93		50	
Silver	3400	1	SP12376A	16	SP12376A	14	0.0912	0.000739U	0.1	91		50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 3400

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SPLP SampleID: AC57098-020

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	1	SP12376A	17	SP12376A	14	0.4800	0.00584U	0.5	96		75	125
Barium	1	SP12376A	17	SP12376A	14	5.1063	0.0071	5	102		75	125
Cadmium	1	SP12376A	17	SP12376A	14	0.4846	0.000432U	0.5	97		75	125
Chromium	1	SP12376A	17	SP12376A	14	0.4916	0.0008	0.5	98		75	125
Lead	1	SP12376A	17	SP12376A	14	4.9391	0.0045	5	99		75	125
Selenium	1	SP12376A	17	SP12376A	14	0.4795	0.00636U	0.5	96		75	125
Silver	1	SP12376A	17	SP12376A	14	0.0795	0.000739U	0.1	80		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3328

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3328

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Arsenic	3328	SP12319A	13	SP12319A	12	0.4640	0.4839	4.2		20
Barium	3328	SP12319A	13	SP12319A	12	0.4782	0.5007	4.6		20
Cadmium	3328	SP12319A	13	SP12319A	12	0.4727	0.4932	4.2		20
Chromium	3328	SP12319A	13	SP12319A	12	0.4770	0.5029	5.3		20
Lead	3328	SP12319A	13	SP12319A	12	0.4755	0.4938	3.8		20
Mercury	3328	H12319SP	13	H12319SP	12	10.4200	10.1300	2.8		20
Selenium	3328	SP12319A	13	SP12319A	12	0.4644	0.4883	5		20
Silver	3328	SP12319A	13	SP12319A	12	0.0919	0.0955	3.8		20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Arsenic	3328	SP12319A	15	SP12319A	14	0.00584U	0.00584U	---		20
Barium	3328	SP12319A	15	SP12319A	14	0.0185	0.0184	0.75		20
Cadmium	3328	SP12319A	15	SP12319A	14	0.0011	0.0016	32	b	20
Chromium	3328	SP12319A	15	SP12319A	14	0.0071	0.0071	0.07		20
Lead	3328	SP12319A	15	SP12319A	14	0.0131	0.0151	14		20
Mercury	3328	H12319SP	15	H12319SP	14	0.0816U	0.0816U	---		20
Selenium	3328	SP12319A	15	SP12319A	14	0.00636U	0.00636U	---		20
Silver	3328	SP12319A	15	SP12319A	14	0.0008	0.0010	14		20

TxtQcType: SD Matrix: SPLP SampleID: AC57098-005

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	3328	SP12319A	21	SP12319A	20	5	0.0012	0.0004	---		10
Barium	3328	SP12319A	21	SP12319A	20	5	0.0017	0.0069	20	c	10
Cadmium	3328	SP12319A	21	SP12319A	20	5	0.0010	0.0010	376	c	10
Chromium	3328	SP12319A	21	SP12319A	20	5	0.0006	0.0011	189	c	10
Lead	3328	SP12319A	21	SP12319A	20	5	0.0016	0.0017	---		10
Selenium	3328	SP12319A	21	SP12319A	20	5	0.0005	0.0030	---		10
Silver	3328	SP12319A	21	SP12319A	20	5	0.0008	0.0010	---		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3350

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3350	SP12334C	13	SP12334C	12	0.4354	0.4302	1.2	20
Barium	3350	SP12334C	13	SP12334C	12	0.4665	0.4593	1.5	20
Cadmium	3350	SP12334C	13	SP12334C	12	0.4350	0.4285	1.5	20
Chromium	3350	SP12334C	13	SP12334C	12	0.4568	0.4489	1.7	20
Lead	3350	SP12334C	13	SP12334C	12	0.4554	0.4509	1	20
Mercury	3350	H12334SP	13	H12334SP	12	10.5300	10.4200	1.1	20
Selenium	3350	SP12334C	13	SP12334C	12	0.4336	0.4194	3.3	20
Silver	3350	SP12334C	13	SP12334C	12	0.0822	0.0819	.37	20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-010

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3350	SP12334C	15	SP12334C	14	0.2U	0.2U	---	20
Barium	3350	SP12334C	15	SP12334C	14	.25U	.25U	---	20
Cadmium	3350	SP12334C	15	SP12334C	14	0.05U	0.05U	---	20
Chromium	3350	SP12334C	15	SP12334C	14	0.2U	0.2U	---	20
Lead	3350	SP12334C	15	SP12334C	14	0.065U	0.065U	---	20
Mercury	3350	H12334SP	15	H12334SP	14	0.0816U	0.0816U	---	20
Selenium	3350	SP12334C	15	SP12334C	14	0.2U	0.2U	---	20
Silver	3350	SP12334C	15	SP12334C	14	0.05U	0.05U	---	20

TxtQcType: SD Matrix: SPLP SampleID: AC57098-010

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	3350	SP12334C	20	SP12334C	14	5	0.0004	0.0005	---		10
Barium	3350	SP12334C	20	SP12334C	14	5	-0.0001	0.0052	---		10
Cadmium	3350	SP12334C	20	SP12334C	14	5	-0.0009	-0.0008	---		10
Chromium	3350	SP12334C	20	SP12334C	14	5	0.0008	0.0016	163	c	10
Lead	3350	SP12334C	20	SP12334C	14	5	-0.0014	-0.0015	---		10
Selenium	3350	SP12334C	20	SP12334C	14	5	0.0002	0.0048	---		10
Silver	3350	SP12334C	20	SP12334C	14	5	0.0000	0.0001	---		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3382

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3382

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3382	SP12358B	13	SP12358B	12	0.4308	0.4273	.82	20
Barium	3382	SP12358B	13	SP12358B	12	0.4407	0.4376	.71	20
Cadmium	3382	SP12358B	13	SP12358B	12	0.4342	0.4332	.23	20
Chromium	3382	SP12358B	13	SP12358B	12	0.4397	0.4383	.32	20
Lead	3382	SP12358B	13	SP12358B	12	0.4416	0.4383	.75	20
Mercury	3382	H12358SP	13	H12358SP	12	10.4200	10.4800	.57	20
Selenium	3382	SP12358B	13	SP12358B	12	0.4329	0.4296	.76	20
Silver	3382	SP12358B	13	SP12358B	12	0.0858	0.0850	.87	20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-015

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3382	SP12358B	15	SP12358B	14	0.00584U	0.00584U	---	20
Barium	3382	SP12358B	15	SP12358B	14	0.0059	0.0050	16	20
Cadmium	3382	SP12358B	15	SP12358B	14	0.0009	0.0010	16	20
Chromium	3382	SP12358B	15	SP12358B	14	0.0008	0.0007	11	20
Lead	3382	SP12358B	15	SP12358B	14	0.00206U	0.00206U	---	20
Mercury	3382	H12358SP	15	H12358SP	14	0.0816U	0.0816U	---	20
Selenium	3382	SP12358B	15	SP12358B	14	0.00636U	0.00636U	---	20
Silver	3382	SP12358B	15	SP12358B	14	0.000739U	0.0009	---	20

TxtQcType: SD Matrix: SPLP SampleID: AC57098-015

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	3382	SP12358B	18	SP12358B	14	5	0.0008	-0.0010	---		10
Barium	3382	SP12358B	18	SP12358B	14	5	0.0010	0.0050	5.3		10
Cadmium	3382	SP12358B	18	SP12358B	14	5	0.0011	0.0010	426	c	10
Chromium	3382	SP12358B	18	SP12358B	14	5	0.0003	0.0007	---		10
Lead	3382	SP12358B	18	SP12358B	14	5	-0.0002	-0.0004	---		10
Selenium	3382	SP12358B	18	SP12358B	14	5	0.0035	0.0012	---		10
Silver	3382	SP12358B	18	SP12358B	14	5	0.0011	0.0009	544	c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 3400

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SPLP SampleID: LCSW MR 3400

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3400	SP12376A	13	SP12376A	12	0.4540	0.4635	2.1	20
Barium	3400	SP12376A	13	SP12376A	12	0.4733	0.4787	1.1	20
Cadmium	3400	SP12376A	13	SP12376A	12	0.4659	0.4716	1.2	20
Chromium	3400	SP12376A	13	SP12376A	12	0.4745	0.4767	.46	20
Lead	3400	SP12376A	13	SP12376A	12	0.4725	0.4790	1.4	20
Mercury	3400	H12376SP	13	H12376SP	12	10.5100	10.3100	1.9	20
Selenium	3400	SP12376A	13	SP12376A	12	0.4614	0.4655	.88	20
Silver	3400	SP12376A	13	SP12376A	12	0.0899	0.0916	1.9	20

TxtQcType: MR Matrix: SPLP SampleID: AC57098-020

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	3400	SP12376A	15	SP12376A	14	0.00584U	0.00584U	---	20
Barium	3400	SP12376A	15	SP12376A	14	0.0071	0.0071	0.35	20
Cadmium	3400	SP12376A	15	SP12376A	14	0.000432U	0.000432U	---	20
Chromium	3400	SP12376A	15	SP12376A	14	0.0008	0.0008	1.4	20
Lead	3400	SP12376A	15	SP12376A	14	0.0044	0.0045	3.4	20
Mercury	3400	H12376SP	15	H12376SP	14	0.0816U	0.0816U	---	20
Selenium	3400	SP12376A	15	SP12376A	14	0.00636U	0.00636U	---	20
Silver	3400	SP12376A	15	SP12376A	14	0.000739U	0.000739U	---	20

TxtQcType: SD Matrix: SPLP SampleID: AC57100-021

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Arsenic	3400	SP12376A	21	SP12376A	20	5	-0.0002	0.0007	---	10
Barium	3400	SP12376A	21	SP12376A	20	5	-0.0001	0.0052	---	10
Cadmium	3400	SP12376A	21	SP12376A	20	5	-0.0002	0.0001	---	10
Chromium	3400	SP12376A	21	SP12376A	20	5	-0.0013	-0.0005	---	10
Lead	3400	SP12376A	21	SP12376A	20	5	-0.0003	0.0011	---	10
Selenium	3400	SP12376A	21	SP12376A	20	5	0.0014	-0.0005	---	10
Silver	3400	SP12376A	21	SP12376A	20	5	0.0002	0.0002	---	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

SPLP
Metal Data
Verification of Instrument Parameters

MDL / RL SUMMARY
SPLP
PE ICP 2

ELEMENT	MDL	Reporting Limits (Mg/L)
AL	0.0305	1
SB	0.00477	0.07
AS	0.00584	0.2
BA	0.000332	0.25
BE	0.0000617	0.01
CD	0.000432	0.05
CA	0.0432	5
CR	0.00071	0.2
CO	0.000557	0.2
CU	0.00148	0.2
FE	0.0116	1
PB	0.00206	0.065
MG	0.0127	5
MN	0.000446	0.2
MO	0.000551	0.2
NI	0.000799	0.2
SE	0.00636	0.2
AG	0.000739	0.05
TL	0.00163	0.2
SN	0.0023	0.2
TI	0.00035	0.2
V	0.00159	0.2
ZN	0.00143	0.2

Al and Ca analyzed on 10/22/10. All other analytes analyzed on 10/20/10.

HGCV2 MDL/RL SUMMARY

Element: Mercury
Instrument: PE FIMS 100 **Instrument ID:** HgCV2
Technique: CV **Analyst** Mudassar Janjua

600 Series	METHOD	MDL (ppb)	Completed	RL (ppb)
H2O	245.1	0.0766	9/8/2010	0.20
SW846				
H2O	7470A	0.0613	9/15/2010	0.70
SOIL	7471 A	0.1676	9/13/2010	0.50
TCLP	7470A	0.1380	9/13/2010	0.70
SPLP	7470A	0.0816	9/13/2010	0.70

INTERELEMENT CORRECTION SUMMARY
PEICP2

	Interfering Elements							
	Al	**Ca**	**Fe**	**Mg**	**Mn**	**Mo**	**Ti**	**Zn**
Interfered Elements								
Al	N/A	0	0	0	0	23.1	0	0
Sb	-0.00361	0	-0.198	0.0111	0	0.373	-0.205	0
As	-0.0186	0.0209	-0.124	-0.00544	0	2.18	0.163	0
Ba	0	0	0.0107	0	0	0	0	0
Be	0	0	-0.00806	0	0	0	0.643	0
Cd	0.00713	0	0.00969	0	0	0	0	0
Ca	0	N/A	0	0	0	0	0	0
Cr	-0.00103	0	-0.0332	0	-0.759	-4.8	0	0
Co	-0.0165	0	0.0312	0	0	-3.52	2.33	0
Cu	0	0.0151	0	0	0	0	0.574	0
Fe	0	0	N/A	-0.369	0	0	0	0
Pb	-0.165	0.0411	0.0581	0.0141	0	-2.78	0.332	0
Mg	0	0	0	N/A	0	-16.1	0	0
Mn	0	0	-0.0473	0.0462	N/A	-0.411	0	0
Mo	-0.0251	0.0251	0	0	0	N/A	0	0
Ni	0	0	0	0	0	-0.672	0	0
Se	0.0671	-0.016	-0.223	-0.0102	0.31	0.959	0	0
Ag	0	0	-0.018	0	0.423	1.04	0	0
Sr	0	0.0108	0	0.00248	0	0	0	0
Tl	-0.0138	-0.00602	-0.0311	0	-0.603	1.39	-3.93	0
Sn	0.0196	-0.02	-0.0219	0.000378	0	0	-0.78	0
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0.0406	0.0516	0	-0.21	-0.555	0
Zn	0	-0.00526	0.0321	0.035	0	0.554	0	N/A

IEC'S RUN 09/27/10
modified Be, Cd 12/20/10. modified Ba on 1/27/11, Sn on 1/31/11. modified Cr, Mo, Zn on 2/2/11. modified Mn, V on 2/3/11. modified As, Pb, Sb,Se, Tl on 2/15/11.

LINEAR RANGES
PE ICP 2
Axial

ELEMENT	LINEAR RANGE (PPM)
Al	900
Sb	9
As	45
Ba	45
Be	4.5
Cd	45
Ca	720
Cr	45
Co	45
Cu	45
Fe	630
Pb	45
Mg	900
Mn	45
Mo	45
Ni	45
Se	45
Ag	1.8
Tl	45
Sn	45
Ti	36
V	45
Zn	45

Al, Ca, Mg and Fe analyzed on 8/12/10. Sb analyzed on 8/13/10. All the others analyzed on 8/11/10.

SPLP
Metal Data
Raw Data

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12319A2.txt

Analysis Date: 02/15/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-107293	1	CAL	17:07	1							V-107293(ICB/CCB)
Calib 1 V-104185	1	CAL	17:12	2							V-104185(ICS1 Lowest std)
Calib 2 V-105540	1	CAL	17:15	3							V-105540(ICS2- Low Std)
Calib 3 V-105541	1	CAL	17:19	4							V-105541(ICS3 - Middle Std)
Calib 4 V-107286	1	CAL	17:23	5							V-107286(ICS4 - High std)
ICS3 V-105541	1	ICS	17:28	6							V-105541(ICS3 - Middle Std)
ICV V-106421 (2)	1	ICV	17:31	7							V-106421(ICV)
ICB V-107293	1	ICB	17:36	8							V-107293(ICB/CCB)
ICSA V-107288	1	ICSA	17:40	9							V-107288(ICSA)
ICSAB V-106425	1	ICSAB	17:45	10							V-106425(ICSAB)
MB 3328 (1)	1	MB	17:51	11	METALS-SPLP	SPLP	SPLP	SW846	3328		()
LCSW 3328	1	LCS	17:55	12	METALS-SPLP	SPLP	SPLP	SW846	3328		()
LCSW MR 3328	1	LCS	17:58	13	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57098-001	1	SMP	18:02	14	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57098-001	1	MR	18:06	15	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57098-001	1	MS	18:09	16	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57098-001	1	PS	18:13	17	METALS-SPLP	SPLP	SPLP	SW846	3328		()
CCV V-107291	1	CCV	18:17	18							V-107291(CCV)
CCB	1	CCB	18:21	19							()
AC57098-005	1	SMP	18:24	20	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57098-005	5	SD	18:28	21	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57100-001	1	SMP	18:31	22	METALS-SPLP	SPLP	SPLP	SW846	3328		()
AC57100-006	1	SMP	18:35	23	METALS-SPLP	SPLP	SPLP	SW846	3328		()
EF DI BLANK 02/11/2011	1	EF	18:39	24		SPLP	SPLP	SW846	3328		()
EF DI BLANK 02/15/2011	1	EF	18:42	25		SPLP	SPLP	SW846	3328		()
ICSA V-107288	1	ICSA	18:46	26							V-107288(ICSA)
ICSAB V-106425	1	ICSAB	18:51	27							V-106425(ICSAB)
CCV V-107291	1	CCV	18:57	28							V-107291(CCV)
CCB	1	CCB	19:00	29							()

Comments/Reviewedby:

sean
192.168.1.17 2/16/2011 12:41:54 PM

OK

2/18/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12319SP.txt

Analysis Date: 02/17/11 **Instrument:** HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	10:29	1							0
.2 PPB	1	CAL	10:31	2							0
.5 PPB	1	CAL	10:32	3							0
1 PPB	1	CAL	10:34	4							0
2 PPB	1	CAL	10:35	5							0
5 PPB	1	CAL	10:37	6							0
10 PPB	1	CAL	10:38	7							0
25 PPB	1	CAL	10:40	8							0
ICV (2)	1	ICV	10:41	9							0
ICB	1	ICB	10:43	10							0
MB 3328 (1)	1	MB	10:44	11	HG-SPLP	SPLP	SPLP	SW846	3328		0
LCSW 3328	1	LCS	10:46	12	HG-SPLP	SPLP	SPLP	SW846	3328		0
LCSW MR 3328	1	LCS	10:47	13	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	SMP	10:49	14	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	MR	10:50	15	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-001	1	MS	10:52	16	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57098-005	1	SMP	10:53	17	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57100-001	1	SMP	10:55	18	HG-SPLP	SPLP	SPLP	SW846	3328		0
AC57100-006	1	SMP	10:56	19	HG-SPLP	SPLP	SPLP	SW846	3328		0
DI-2/11	1	SMP	10:58	20		SPLP	SPLP	SW846	3328		0
CCV	1	CCV	10:59	21							0
CCB	1	CCB	11:01	22							0
DI-2/15	1	SMP	11:02	23		SPLP	SPLP	SW846	3328		0
CCV	1	CCV	11:04	24							0
CCB	1	CCB	11:05	25							0

Comments/Reviewedby:

carmela
192.168.1.75 2/17/2011 11:10:20 AM

OK

2/17/11

Standard/Batch/SnCl2 Lot #:

V-108610

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12334C2.txt

Analysis Date: 03/01/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-108505	1	CAL	12:55	1							V-108505(ICB/CCB)
Calib 1 V-104185	1	CAL	12:59	2							V-104185(ICS1 Lowest std)
Calib 2 V-106426	1	CAL	13:03	3							V-106426(ICS2- Low Std)
Calib 3 V-106427	1	CAL	13:06	4							V-106427(ICS3 - Middle Std)
Calib 4 V-108511	1	CAL	13:10	5							V-108511(ICS4 - High std)
ICS3 V-106427	1	ICS	13:15	6							V-106427(ICS3 - Middle Std)
ICV V-107292 (2)	1	ICV	13:19	7							V-107292(ICV)
ICB V-108505	1	ICB	13:24	8							V-108505(ICB/CCB)
ICSA V-107289	1	ICSA	13:28	9							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	13:33	10							V-107290(ICSAB)
MB 3350 (1)	1	MB	13:39	11		SPLP	SPLP	SW846	3350		()
LCSW	1	LCS	13:42	12		SPLP	SPLP	SW846	3350		()
LCSW MR	1	LCS	13:46	13		SPLP	SPLP	SW846	3350		()
AC57098-010	1	SMP	13:50	14	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57098-010	1	MR	13:53	15	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57098-010	1	MS	13:57	16	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57098-010	1	PS	14:00	17	METALS-SPLP	SPLP	SPLP	SW846	3350		()
CCV V-108509	1	CCV	14:04	18							V-108509(CCV)
CCB	1	CCB	14:08	19							()
AC57098-010	5	SD	14:11	20	METALS-SPLP	SPLP	SPLP	SW846	3350		()
AC57100-011	1	SMP	14:15	21	METALS-SPLP	SPLP	SPLP	SW846	3350		()
EF DI BLANK 2/20	1	EF	14:19	22		SPLP	SPLP	SW846	3350		()
ICSA V-107289	1	ICSA	14:22	23							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	14:28	24							V-107290(ICSAB)
CCV V-108509	1	CCV	14:33	25							V-108509(CCV)
CCB	1	CCB	14:37	26							()

Comments/Reviewedby:

sean
192.168.1.68 3/1/2011 4:41:47 PM

OK

3/1/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12334SPb.txt

Analysis Date: 02/25/11 **Instrument:** HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	12:06	1							0
.2 PPB	1	CAL	12:07	2							0
.5 PPB	1	CAL	12:09	3							0
1 PPB	1	CAL	12:10	4							0
2 PPB	1	CAL	12:12	5							0
5 PPB	1	CAL	12:13	6							0
10 PPB	1	CAL	12:15	7							0
25 PPB	1	CAL	12:16	8							0
ICV (2)	1	ICV	12:18	9							0
ICB	1	ICB	12:19	10							0
MB 3350 (1)	1	MB	12:21	11		SPLP	SPLP	SW846	3350		0
LCSW 3350	1	LCS	12:22	12		SPLP	SPLP	SW846	3350		0
LCSW MR 3350	1	LCS	12:24	13		SPLP	SPLP	SW846	3350		0
AC57098-010	1	SMP	12:25	14	HG-SPLP	SPLP	SPLP	SW846	3350		0
AC57098-010	1	MR	12:27	15	HG-SPLP	SPLP	SPLP	SW846	3350		0
AC57098-010	1	MS	12:28	16	HG-SPLP	SPLP	SPLP	SW846	3350		0
AC57100-011	1	SMP	12:30	17	HG-SPLP	SPLP	SPLP	SW846	3350		0
DI-BLANK 2/20	1	SMP	12:31	18		SPLP	SPLP	SW846	3350		0
CCV	1	CCV	12:33	19							0
CCB	1	CCB	12:34	20							0

Comments/Reviewedby:

carmela
192.168.1.75 2/25/2011 12:39:32 PM

OK

Shiamal Bal 2/28/11

Standard/Batch/SnCl2 Lot #:

V-109185

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12358B2.txt

Analysis Date: 03/03/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-108505	1	CAL	15:10	1							V-108505(ICB/CCB)
Calib 1 V-104185	1	CAL	15:14	2							V-104185(ICS1 Lowest std)
Calib 2 V-106426	1	CAL	15:18	3							V-106426(ICS2- Low Std)
Calib 3 V-106427	1	CAL	15:21	4							V-106427(ICS3 - Middle Std)
Calib 4 V-108511	1	CAL	15:25	5							V-108511(ICS4 - High std)
ICS3 V-106427	1	ICS	15:30	6							V-106427(ICS3 - Middle Std)
ICV V-107292 (2)	1	ICV	15:34	7							V-107292(ICV)
ICB V-108505	1	ICB	15:39	8							V-108505(ICB/CCB)
ICSA V-107289	1	ICSA	15:43	9							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	15:48	10							V-107290(ICSAB)
MB 3382 (1)	1	MB	15:54	11		SPLP	SPLP	SW846	3382		0
LCSW 3382	1	LCS	15:57	12		SPLP	SPLP	SW846	3382		0
LCSWMR 3382	1	LCS	16:01	13		SPLP	SPLP	SW846	3382		0
AC57098-015	1	SMP	16:05	14	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MR	16:08	15	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MS	16:12	16	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	PS	16:15	17	METALS-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	5	SD	16:19	18	METALS-SPLP	SPLP	SPLP	SW846	3382		0
CCV V-108509	1	CCV	16:23	19							V-108509(CCV)
CCB	1	CCB	16:26	20							0
AC57100-016	1	SMP	16:30	21	METALS-SPLP	SPLP	SPLP	SW846	3382		0
EF-DIH2O 2/25	1	EF	16:34	22		SPLP	SPLP	SW846	3382		0
ICSA V-107289	1	ICSA	16:37	23							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	16:43	24							V-107290(ICSAB)
CCV V-108509	1	CCV	16:48	25							V-108509(CCV)
CCB	1	CCB	16:52	26							0

Comments/Reviewedby:

sean
192.168.1.17 3/3/2011 5:28:51 PM

OK

Shiw 3/17/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12358SP.txt

Analysis Date: 03/03/11

Instrument: HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	16:53	1							0
.2 PPB	1	CAL	16:55	2							0
.5 PPB	1	CAL	16:56	3							0
1 PPB	1	CAL	16:58	4							0
2 PPB	1	CAL	16:59	5							0
5 PPB	1	CAL	17:01	6							0
10 PPB	1	CAL	17:02	7							0
25 PPB	1	CAL	17:04	8							0
ICV (2)	1	ICV	17:05	9							0
ICB	1	ICB	17:07	10							0
MB 3382 (1)	1	MB	17:08	11	HG-SPLP	SPLP	SPLP	SW846	3382		0
LCSW 3382	1	LCS	17:10	12	HG-SPLP	SPLP	SPLP	SW846	3382		0
LCSW MR 3382	1	LCS	17:11	13	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	SMP	17:13	14	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MR	17:14	15	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57098-015	1	MS	17:16	16	HG-SPLP	SPLP	SPLP	SW846	3382		0
AC57100-016	1	SMP	17:17	17	HG-SPLP	SPLP	SPLP	SW846	3382		0
EF-DI-BLANK 2/25	1	EF	17:19	18		SPLP	SPLP	SW846	3382		0
CCV	1	CCV	17:20	19							0
CCB	1	CCB	17:22	20							0

nents/Reviewedby:

carmela
192.168.1.75 3/4/2011 9:36:32 AM

OK

3/21/11

Standard/Batch/SnCl2 Lot #:

V-109721

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\PEICP2A\SP12376A2.txt

Analysis Date: 03/07/11 **Instrument:** PEICP2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calib Blk 1 V-108505	1	CAL	15:18	1							V-108505(ICB/CCB)
Calib 1 V-104185	1	CAL	15:23	2							V-104185(ICS1 Lowest std)
Calib 2 V-106426	1	CAL	15:27	3							V-106426(ICS2- Low Std)
Calib 3 V-106427	1	CAL	15:30	4							V-106427(ICS3 - Middle Std)
Calib 4 V-108511	1	CAL	15:34	5							V-108511(ICS4 - High std)
ICS3 V-106427	1	ICS	15:39	6							V-106427(ICS3 - Middle Std)
ICV V-107292 (2)	1	ICV	15:43	7							V-107292(ICV)
ICB V-108505	1	ICB	15:48	8							V-108505(ICB/CCB)
ICSA V-107289	1	ICSA	15:52	9							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	15:57	10							V-107290(ICSAB)
MB 3400 (1)	1	MB	16:03	11		SPLP	SPLP	SW846	3400		0
LCSW 3400	1	LCS	16:07	12		SPLP	SPLP	SW846	3400		0
LCSW MR 3400	1	LCS	16:11	13		SPLP	SPLP	SW846	3400		0
AC57098-020	1	SMP	16:14	14	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MR	16:18	15	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MS	16:22	16	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	PS	16:26	17	METALS-SPLP	SPLP	SPLP	SW846	3400		0
CCV V-108509	1	CCV	16:29	18							V-108509(CCV)
CCB	1	CCB	16:33	19							0
AC57100-021	1	SMP	16:37	20	METALS-SPLP	SPLP	SPLP	SW846	3400		0
AC57100-021	5	SD	16:40	21	METALS-SPLP	SPLP	SPLP	SW846	3400		0
EF-DIH2O	1	EF	16:44	22		SPLP	SPLP	SW846	3400		0
ICSA V-107289	1	ICSA	16:48	23							V-107289(ICSA)
ICSAB V-107290	1	ICSAB	16:53	24							V-107290(ICSAB)
CCV V-108509	1	CCV	16:59	25							V-108509(CCV)
CCB	1	CCB	17:03	26							0

Comments/Reviewedby:

sean
192.168.1.17 3/7/2011 5:14:54 PM

OK

3/21/11

Standard/Batch/SnCl2 Lot #:

Run Log

Data File: W:\METALS.FRM\ICPDATA\New\HGCV2A\H12376SP.txt

Analysis Date: 03/09/11 **Instrument:** HGCV2A

Sample Id	DF	Qc Type	Time	Run #	Test Group	Rept Limit Matrix	Qc Matrix	Anal Method	Prep Batch	Comments:	Stds:
Calibration Blank	1	CAL	09:51	1							0
.2 PPB	1	CAL	09:53	2							0
.5 PPB	1	CAL	09:54	3							0
1 PPB	1	CAL	09:56	4							0
2 PPB	1	CAL	09:57	5							0
5 PPB	1	CAL	09:59	6							0
10 PPB	1	CAL	10:00	7							0
25 PPB	1	CAL	10:02	8							0
ICV (2)	1	ICV	10:03	9							0
ICB	1	ICB	10:05	10							0
MB 3400 (1)	1	MB	10:06	11	HG-SPLP	SPLP	SPLP	SW846	3400		0
LCSW 3400	1	LCS	10:08	12	HG-SPLP	SPLP	SPLP	SW846	3400		0
LCSW MR 3400	1	LCS	10:09	13	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	SMP	10:11	14	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MR	10:12	15	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57098-020	1	MS	10:14	16	HG-SPLP	SPLP	SPLP	SW846	3400		0
AC57100-021	1	SMP	10:15	17	HG-SPLP	SPLP	SPLP	SW846	3400		0
EF-DI-BLANK 3/2	1	EF	10:17	18		SPLP	SPLP	SW846	3400		0
CCV	1	CCV	10:18	19							0
CCB	1	CCB	10:20	20							0

Comments/Reviewedby:

carmela
192.168.1.75 3/9/2011 10:26:40 AM

OK

3/10/11

Standard/Batch/SnCl2 Lot #:

V-110100

File SP12319A2 Batch 12319 SPLP

Method: PE2 4300DV AXIAL Page 1 Date: 2/15/2011 5:11:04 PM

Analyst [signature] 2/16/11

Analysis Begun

Start Time: 2/15/2011 5:07:36 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 4300 DV, S/N 069N-na
Plasma On Time: 2/15/2011 9:56:41 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12319A2
Results Library: C:\pe\administrator\Results\Results.mdb

[signature] 2/18/11

Method Loaded
Method Name: PE2 4300DV AXIAL
IEC File: IEC092710.iec
Method Description: 200.7/6010B
Method Last Saved: 2/14/2011 3:04:51 PM
MSF File:

Sequence No.: 1
Sample ID: Calib Blk 1 V-107293
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 2/15/2011 5:07:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-107293

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1355902.4	773.41	0.06%	100	%
Y 371.029	573475.4	41.50	0.01%	100	%
Ag 328.068†	354.7	21.73	6.13%	[0.00]	mg/L
Al 308.215†	16823.5	120.62	0.72%	[0.00]	mg/L
As 188.979†	-13.6	1.48	10.92%	[0.00]	mg/L
Ba 233.527†	-886.0	25.51	2.88%	[0.00]	mg/L
Be 313.107†	-1530.8	82.45	5.39%	[0.00]	mg/L
Ca 315.887†	-28280.6	149.49	0.53%	[0.00]	mg/L
Cd 228.802†	438.4	12.39	2.83%	[0.00]	mg/L
Co 228.616†	105.4	11.60	11.01%	[0.00]	mg/L
Cr 267.716†	320.1	18.82	5.88%	[0.00]	mg/L
Cu 327.393†	-2470.9	99.96	4.05%	[0.00]	mg/L
Fe 273.955†	-3159.3	25.24	0.80%	[0.00]	mg/L
K 404.721†	2601.6	105.06	4.04%	[0.00]	mg/L
Mg 279.077†	-4783.1	2.72	0.06%	[0.00]	mg/L
Mn 257.610†	-2013.4	18.77	0.93%	[0.00]	mg/L
Mo 202.031†	50.8	1.18	2.32%	[0.00]	mg/L
Na 330.237†	-439.8	88.19	20.05%	[0.00]	mg/L
Ni 231.604†	326.2	0.79	0.24%	[0.00]	mg/L
Pb 220.353†	-0.2	8.88	>999.9%	[0.00]	mg/L
Sb 206.836†	21.5	0.27	1.26%	[0.00]	mg/L
Se 196.026†	45.2	0.35	0.77%	[0.00]	mg/L
Sn 189.927†	11.3	4.82	42.65%	[0.00]	mg/L
Ti 334.940†	2227.7	73.48	3.30%	[0.00]	mg/L
Tl 190.801†	-19.2	1.09	5.70%	[0.00]	mg/L
V 290.880†	6123.4	55.16	0.90%	[0.00]	mg/L
Zn 206.200†	22.7	4.06	17.88%	[0.00]	mg/L

12319/3328

All elements were reported.

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 2/15/2011 5:12:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1381202.2	12893.59	0.93%	102	%
Y 371.029	581393.4	5057.21	0.87%	101	%
As 188.979†	3.5	3.86	109.68%	[0.005]	mg/L
Be 313.107†	10858.2	99.65	0.92%	[0.003]	mg/L
Cd 228.802†	159.1	5.30	3.33%	[0.003]	mg/L
Pb 220.353†	58.1	7.35	12.65%	[0.004]	mg/L
Tl 190.801†	8.0	2.51	31.53%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-105540
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 2/15/2011 5:15:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-105540

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1357652.7	12574.55	0.93%	100	%
Y 371.029	571645.5	5025.73	0.88%	99.7	%
Ag 328.068†	199.3	8.44	4.24%	[0.002]	mg/L
Al 308.215†	3137.6	348.13	11.10%	[0.10]	mg/L
As 188.979†	11.0	0.23	2.11%	[0.010]	mg/L
Ba 233.527†	1920.6	16.23	0.85%	[0.010]	mg/L
Be 313.107†	33846.3	824.49	2.44%	[0.010]	mg/L
Ca 315.887†	113801.3	1036.94	0.91%	[1.0]	mg/L
Cd 228.802†	509.4	10.83	2.13%	[0.010]	mg/L
Co 228.616†	444.6	3.38	0.76%	[0.010]	mg/L
Cr 267.716†	977.0	13.87	1.42%	[0.010]	mg/L
Cu 327.393†	1713.5	15.28	0.89%	[0.010]	mg/L
Fe 273.955†	1447.2	134.82	9.32%	[0.10]	mg/L
K 404.721†	81.6	47.52	58.24%	[1.0]	mg/L
Mg 279.077†	19892.1	359.41	1.81%	[1.0]	mg/L
Mn 257.610†	5014.6	82.23	1.64%	[0.010]	mg/L
Mo 202.031†	146.7	0.73	0.50%	[0.010]	mg/L
Na 330.237†	808.4	55.84	6.91%	[1.0]	mg/L
Ni 231.604†	587.4	8.56	1.46%	[0.010]	mg/L
Pb 220.353†	147.5	7.52	5.10%	[0.010]	mg/L
Sb 206.836†	15.4	4.10	26.56%	[0.010]	mg/L
Se 196.026†	2.9	2.69	93.91%	[0.010]	mg/L
Sn 189.927†	39.4	0.06	0.16%	[0.010]	mg/L
Ti 334.940†	9018.4	265.10	2.94%	[0.010]	mg/L
Tl 190.801†	12.5	1.70	13.63%	[0.010]	mg/L
V 290.880†	1700.9	115.90	6.81%	[0.010]	mg/L
Zn 206.200†	467.6	8.75	1.87%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-105541
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/15/2011 5:19:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-105541

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1311742.5	1000.42	0.08%	96.7	%
Y 371.029	545728.0	584.30	0.11%	95.2	%
Ag 328.068†	10698.6	99.82	0.93%	[0.10]	mg/L
Al 308.215†	164999.5	934.37	0.57%	[5.0]	mg/L
As 188.979†	672.6	5.45	0.81%	[0.50]	mg/L
Ba 233.527†	92426.6	605.62	0.66%	[0.50]	mg/L
Be 313.107†	1747170.2	19369.12	1.11%	[0.50]	mg/L
Ca 315.887†	6116733.8	62867.78	1.03%	[50]	mg/L
Cd 228.802†	25885.7	140.98	0.54%	[0.50]	mg/L
Co 228.616†	21346.4	179.98	0.84%	[0.50]	mg/L
Cr 267.716†	47185.9	416.73	0.88%	[0.50]	mg/L
Cu 327.393†	76570.4	533.51	0.70%	[0.50]	mg/L
Fe 273.955†	66517.8	479.62	0.72%	[5.0]	mg/L
K 404.721†	2037.2	34.35	1.69%	[50]	mg/L
Mg 279.077†	1001098.8	10509.97	1.05%	[50]	mg/L
Mn 257.610†	239660.8	1743.87	0.73%	[0.50]	mg/L
Mo 202.031†	7464.6	31.77	0.43%	[0.50]	mg/L
Na 330.237†	50701.3	207.26	0.41%	[50]	mg/L
Ni 231.604†	29124.3	187.87	0.65%	[0.50]	mg/L
Pb 220.353†	6732.8	2.11	0.03%	[0.50]	mg/L
Sb 206.836†	924.8	1.89	0.20%	[0.50]	mg/L
Se 196.026†	658.3	1.12	0.17%	[0.50]	mg/L
Sn 189.927†	1791.7	1.19	0.07%	[0.50]	mg/L
Ti 334.940†	467531.4	5450.50	1.17%	[0.50]	mg/L
Tl 190.801†	573.5	8.28	1.44%	[0.50]	mg/L
V 290.880†	86739.8	581.05	0.67%	[0.50]	mg/L
Zn 206.200†	22054.9	194.64	0.88%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-107286
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/15/2011 5:23:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-107286

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1262949.1	15401.66	1.22%	93.1	%
Y 371.029	525210.3	5960.07	1.13%	91.6	%
Ag 328.068†	21677.7	113.09	0.52%	[0.20]	mg/L
Al 308.215†	341614.5	1922.66	0.56%	[10]	mg/L
As 188.979†	1378.3	9.50	0.69%	[1.0]	mg/L
Ba 233.527†	185839.6	840.56	0.45%	[1.0]	mg/L
Be 313.107†	3536125.3	76285.32	2.16%	[1.0]	mg/L
Ca 315.887†	12069812.0	257725.21	2.14%	[100]	mg/L
Cd 228.802†	52708.5	251.26	0.48%	[1.0]	mg/L
Co 228.616†	43152.3	439.19	1.02%	[1.0]	mg/L
Cr 267.716†	95197.9	491.94	0.52%	[1.0]	mg/L
Cu 327.393†	155953.2	832.65	0.53%	[1.0]	mg/L
Fe 273.955†	133885.0	664.59	0.50%	[10]	mg/L
K 404.721†	4532.7	194.34	4.29%	[100]	mg/L
Mg 279.077†	1970548.3	7808.62	0.40%	[100]	mg/L
Mn 257.610†	482429.1	2160.78	0.45%	[1.0]	mg/L
Mo 202.031†	14759.8	187.78	1.27%	[1.0]	mg/L
Na 330.237†	110615.3	489.28	0.44%	[100]	mg/L
Ni 231.604†	58127.7	227.01	0.39%	[1.0]	mg/L
Pb 220.353†	13526.7	147.36	1.09%	[1.0]	mg/L
Sb 206.836†	1847.1	15.93	0.86%	[1.0]	mg/L
Se 196.026†	1344.7	8.18	0.61%	[1.0]	mg/L
Sn 189.927†	3551.7	38.51	1.08%	[1.0]	mg/L
Ti 334.940†	928337.3	4973.60	0.54%	[1.0]	mg/L
Tl 190.801†	1147.0	15.42	1.34%	[1.0]	mg/L
V 290.880†	175131.6	1078.74	0.62%	[1.0]	mg/L
Zn 206.200†	43890.7	220.14	0.50%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-33.5	108300	0.00000	0.999979	
Al 308.215	3	Lin, Calc Int	-1183.5	34070	0.00000	0.999848	
As 188.979	4	Lin, Calc Int	-4.0	1376	0.00000	0.999937	
Ba 233.527	3	Lin, Calc Int	-61.5	185700	0.00000	0.999996	
Be 313.107	4	Lin, Calc Int	-2997.1	3531000	0.00000	0.999984	
Ca 315.887	3	Lin, Calc Int	11761.7	120900	0.00000	0.999974	
Cd 228.802	4	Lin, Calc Int	-63.6	52600	0.00000	0.999963	
Co 228.616	3	Lin, Calc Int	-35.9	43100	0.00000	0.999984	
Cr 267.716	3	Lin, Calc Int	-63.8	95110	0.00000	0.999990	
Cu 327.393	3	Lin, Calc Int	-186.0	155600	0.00000	0.999953	
Fe 273.955	3	Lin, Calc Int	-28.1	13370	0.00000	0.999994	
K 404.721	3	Lin, Calc Int	-25.2	44.72	0.00000	0.998459	
Mg 279.077	3	Lin, Calc Int	2964.9	19730	0.00000	0.999966	
Mn 257.610	3	Lin, Calc Int	-196.4	482000	0.00000	0.999994	
Mo 202.031	3	Lin, Calc Int	15.0	14780	0.00000	0.999982	
Na 330.237	3	Lin, Calc Int	-973.5	1099	0.00000	0.999090	
Ni 231.604	3	Lin, Calc Int	13.8	58140	0.00000	0.999999	
Pb 220.353	4	Lin, Calc Int	1.3	13510	0.00000	0.999997	
Sb 206.836	3	Lin, Calc Int	-1.2	1849	0.00000	0.999998	
Se 196.026	3	Lin, Calc Int	-7.4	1348	0.00000	0.999939	
Sn 189.927	3	Lin, Calc Int	4.7	3552	0.00000	0.999990	
Ti 334.940	3	Lin, Calc Int	491.7	929100	0.00000	0.999993	
Tl 190.801	4	Lin, Calc Int	1.0	1146	0.00000	0.999999	
V 290.880	3	Lin, Calc Int	-173.2	175000	0.00000	0.999988	
Zn 206.200	3	Lin, Calc Int	33.0	43890	0.00000	0.999997	

Sequence No.: 6
Sample ID: ICS3 V-105541
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/15/2011 5:28:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-105541

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1304343.7	96.2	%	0.84				0.88%
Y 371.029	542740.7	94.6	%	0.76				0.80%
Ag 328.068†	10626.6	0.0977747	mg/L	0.00058535	0.0977747	mg/L	0.00058535	0.60%
QC value within limits for Ag 328.068 Recovery = 97.77%								
Al 308.215†	164621.1	4.85457	mg/L	0.076394	4.85457	mg/L	0.076394	1.57%
QC value within limits for Al 308.215 Recovery = 97.09%								
As 188.979†	677.6	0.494395	mg/L	0.0067623	0.494395	mg/L	0.0067623	1.37%
QC value within limits for As 188.979 Recovery = 98.88%								
Ba 233.527†	92135.9	0.496387	mg/L	0.0052290	0.496387	mg/L	0.0052290	1.05%
QC value within limits for Ba 233.527 Recovery = 99.28%								
Be 313.107†	1747731.4	0.495480	mg/L	0.0072492	0.495480	mg/L	0.0072492	1.46%
QC value within limits for Be 313.107 Recovery = 99.10%								
Ca 315.887†	6120570.8	50.5350	mg/L	0.67127	50.5350	mg/L	0.67127	1.33%
QC value within limits for Ca 315.887 Recovery = 101.07%								
Cd 228.802†	25792.9	0.491505	mg/L	0.0059333	0.491505	mg/L	0.0059333	1.21%
QC value within limits for Cd 228.802 Recovery = 98.30%								
Co 228.616†	21311.7	0.495799	mg/L	0.0060753	0.495799	mg/L	0.0060753	1.23%
QC value within limits for Co 228.616 Recovery = 99.16%								
Cr 267.716†	47014.4	0.497971	mg/L	0.0063761	0.497971	mg/L	0.0063761	1.28%
QC value within limits for Cr 267.716 Recovery = 99.59%								
Cu 327.393†	76528.0	0.491916	mg/L	0.0067845	0.491916	mg/L	0.0067845	1.38%
QC value within limits for Cu 327.393 Recovery = 98.38%								
Fe 273.955†	66548.9	4.99640	mg/L	0.070499	4.99640	mg/L	0.070499	1.41%
QC value within limits for Fe 273.955 Recovery = 99.93%								
K 404.721†	2076.2	46.9923	mg/L	3.32732	46.9923	mg/L	3.32732	7.08%
QC value within limits for K 404.721 Recovery = 93.98%								
Mg 279.077†	1001467.0	50.6088	mg/L	0.68324	50.6088	mg/L	0.68324	1.35%
QC value within limits for Mg 279.077 Recovery = 101.22%								
Mn 257.610†	239320.9	0.494980	mg/L	0.0057453	0.494980	mg/L	0.0057453	1.16%
QC value within limits for Mn 257.610 Recovery = 99.00%								
Mo 202.031†	7516.4	0.506542	mg/L	0.0053256	0.506542	mg/L	0.0053256	1.05%
QC value within limits for Mo 202.031 Recovery = 101.31%								
Na 330.237†	50511.8	46.8276	mg/L	0.56123	46.8276	mg/L	0.56123	1.20%
QC value within limits for Na 330.237 Recovery = 93.66%								
Ni 231.604†	29070.0	0.500145	mg/L	0.0063046	0.500145	mg/L	0.0063046	1.26%
QC value within limits for Ni 231.604 Recovery = 100.03%								
Pb 220.353†	6766.8	0.501501	mg/L	0.0031998	0.501501	mg/L	0.0031998	0.64%
QC value within limits for Pb 220.353 Recovery = 100.30%								
Sb 206.836†	924.7	0.501108	mg/L	0.0059616	0.501108	mg/L	0.0059616	1.19%
QC value within limits for Sb 206.836 Recovery = 100.22%								
Se 196.026†	658.0	0.495065	mg/L	0.0124756	0.495065	mg/L	0.0124756	2.52%
QC value within limits for Se 196.026 Recovery = 99.01%								
Sn 189.927†	1807.8	0.508967	mg/L	0.0035998	0.508967	mg/L	0.0035998	0.71%
QC value within limits for Sn 189.927 Recovery = 101.79%								
Ti 334.940†	467510.9	0.502665	mg/L	0.0075653	0.502665	mg/L	0.0075653	1.51%
QC value within limits for Ti 334.940 Recovery = 100.53%								
Tl 190.801†	573.2	0.501157	mg/L	0.0050649	0.501157	mg/L	0.0050649	1.01%
QC value within limits for Tl 190.801 Recovery = 100.23%								
V 290.880†	86545.8	0.493080	mg/L	0.0065047	0.493080	mg/L	0.0065047	1.32%
QC value within limits for V 290.880 Recovery = 98.62%								
Zn 206.200†	22025.5	0.499078	mg/L	0.0056989	0.499078	mg/L	0.0056989	1.14%
QC value within limits for Zn 206.200 Recovery = 99.82%								

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: ICV V-106421 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 2/15/2011 5:31:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-106421 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1262000.9	93.1	%	0.15				0.16%
Y 371.029	524967.1	91.5	%	0.13				0.14%
Ag 328.068†	21865.3	0.200881	mg/L	0.0017412	0.200881	mg/L	0.0017412	0.87%
QC value within limits for Ag 328.068 Recovery = 100.44%								
Al 308.215†	356033.5	10.4606	mg/L	0.07996	10.4606	mg/L	0.07996	0.76%
QC value within limits for Al 308.215 Recovery = 104.61%								
As 188.979†	1413.4	1.02822	mg/L	0.004029	1.02822	mg/L	0.004029	0.39%
QC value within limits for As 188.979 Recovery = 102.82%								
Ba 233.527†	191743.4	1.03267	mg/L	0.006315	1.03267	mg/L	0.006315	0.61%
QC value within limits for Ba 233.527 Recovery = 103.27%								
Be 313.107†	3601632.4	1.02017	mg/L	0.003646	1.02017	mg/L	0.003646	0.36%
QC value within limits for Be 313.107 Recovery = 102.02%								
Ca 315.887†	12482389.5	103.163	mg/L	0.3185	103.163	mg/L	0.3185	0.31%
QC value within limits for Ca 315.887 Recovery = 103.16%								
Cd 228.802†	54206.5	1.03162	mg/L	0.008237	1.03162	mg/L	0.008237	0.80%
QC value within limits for Cd 228.802 Recovery = 103.16%								
Co 228.616†	44554.8	1.03556	mg/L	0.002984	1.03556	mg/L	0.002984	0.29%
QC value within limits for Co 228.616 Recovery = 103.56%								
Cr 267.716†	96759.2	1.02403	mg/L	0.008042	1.02403	mg/L	0.008042	0.79%
QC value within limits for Cr 267.716 Recovery = 102.40%								
Cu 327.393†	157975.0	1.01421	mg/L	0.007200	1.01421	mg/L	0.007200	0.71%
QC value within limits for Cu 327.393 Recovery = 101.42%								
Fe 273.955†	135904.2	10.2010	mg/L	0.06802	10.2010	mg/L	0.06802	0.67%
QC value within limits for Fe 273.955 Recovery = 102.01%								
K 404.721†	4615.8	103.785	mg/L	2.2179	103.785	mg/L	2.2179	2.14%
QC value within limits for K 404.721 Recovery = 103.78%								
Mg 279.077†	2025885.3	102.531	mg/L	0.6543	102.531	mg/L	0.6543	0.64%
QC value within limits for Mg 279.077 Recovery = 102.53%								
Mn 257.610†	491064.2	1.01527	mg/L	0.006302	1.01527	mg/L	0.006302	0.62%
QC value within limits for Mn 257.610 Recovery = 101.53%								
Mo 202.031†	15082.0	1.01740	mg/L	0.003330	1.01740	mg/L	0.003330	0.33%
QC value within limits for Mo 202.031 Recovery = 101.74%								
Na 330.237†	114273.9	104.821	mg/L	0.6813	104.821	mg/L	0.6813	0.65%
QC value within limits for Na 330.237 Recovery = 104.82%								
Ni 231.604†	59285.4	1.02023	mg/L	0.006382	1.02023	mg/L	0.006382	0.63%
QC value within limits for Ni 231.604 Recovery = 102.02%								
Pb 220.353†	13830.1	1.02513	mg/L	0.002466	1.02513	mg/L	0.002466	0.24%
QC value within limits for Pb 220.353 Recovery = 102.51%								
Sb 206.836†	1883.4	1.01996	mg/L	0.006300	1.01996	mg/L	0.006300	0.62%
QC value within limits for Sb 206.836 Recovery = 102.00%								
Se 196.026†	1394.1	1.04266	mg/L	0.002614	1.04266	mg/L	0.002614	0.25%
QC value within limits for Se 196.026 Recovery = 104.27%								
Sn 189.927†	3721.2	1.04904	mg/L	0.003501	1.04904	mg/L	0.003501	0.33%
QC value within limits for Sn 189.927 Recovery = 104.90%								
Ti 334.940†	948601.0	1.02048	mg/L	0.006887	1.02048	mg/L	0.006887	0.67%
QC value within limits for Ti 334.940 Recovery = 102.05%								
Tl 190.801†	1221.0	1.06840	mg/L	0.006884	1.06840	mg/L	0.006884	0.64%
QC value within limits for Tl 190.801 Recovery = 106.84%								
V 290.880†	178828.9	1.01789	mg/L	0.006062	1.01789	mg/L	0.006062	0.60%
QC value within limits for V 290.880 Recovery = 101.79%								
Zn 206.200†	45118.3	1.02318	mg/L	0.006783	1.02318	mg/L	0.006783	0.66%
QC value within limits for Zn 206.200 Recovery = 102.32%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-107293
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 2/15/2011 5:36:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-107293

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1365342.9	101	%	0.3				0.26%
Y 371.029	577359.7	101	%	0.2				0.21%
Ag 328.068†	27.2	0.0005600	mg/L	0.00045922	0.0005600	mg/L	0.00045922	82.00%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-81.3	0.0323549	mg/L	0.00621800	0.0323549	mg/L	0.00621800	19.22%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.7	0.0024079	mg/L	0.00205071	0.0024079	mg/L	0.00205071	85.17%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	9.8	0.0003842	mg/L	0.00000418	0.0003842	mg/L	0.00000418	1.09%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	68.0	0.0008683	mg/L	0.00003136	0.0008683	mg/L	0.00003136	3.61%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	617.8	-0.0921883	mg/L	0.00214951	-0.0921883	mg/L	0.00214951	2.33%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-7.6	0.0010645	mg/L	0.00002124	0.0010645	mg/L	0.00002124	1.99%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	0.3	0.0008406	mg/L	0.00007902	0.0008406	mg/L	0.00007902	9.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.0	0.0006071	mg/L	0.00001511	0.0006071	mg/L	0.00001511	2.49%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	103.8	0.0018642	mg/L	0.00005318	0.0018642	mg/L	0.00005318	2.85%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-4.8	0.0016848	mg/L	0.00256959	0.0016848	mg/L	0.00256959	152.51%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	57.1	1.84031	mg/L	0.627395	1.84031	mg/L	0.627395	34.09%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	7.7	-0.149862	mg/L	0.0044437	-0.149862	mg/L	0.0044437	2.97%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	28.0	0.0004725	mg/L	0.00003215	0.0004725	mg/L	0.00003215	6.80%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	11.1	-0.0002617	mg/L	0.00035810	-0.0002617	mg/L	0.00035810	136.84%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	24.1	0.907364	mg/L	0.0007728	0.907364	mg/L	0.0007728	0.09%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	-17.8	-0.0005426	mg/L	0.00001358	-0.0005426	mg/L	0.00001358	2.50%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	9.5	0.0006151	mg/L	0.00134652	0.0006151	mg/L	0.00134652	218.91%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.1	0.0006734	mg/L	0.00023983	0.0006734	mg/L	0.00023983	35.61%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.2	0.0030789	mg/L	0.00038620	0.0030789	mg/L	0.00038620	12.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	18.1	0.0037791	mg/L	0.00103696	0.0037791	mg/L	0.00103696	27.44%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	88.2	-0.0004343	mg/L	0.00010749	-0.0004343	mg/L	0.00010749	24.75%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.5	0.0021976	mg/L	0.00038875	0.0021976	mg/L	0.00038875	17.69%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-33.5	0.0008057	mg/L	0.00037821	0.0008057	mg/L	0.00037821	46.94%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	18.0	-0.0003357	mg/L	0.00005299	-0.0003357	mg/L	0.00005299	15.78%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-107288
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 2/15/2011 5:40:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107288

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1170970.5	86.4	%	0.24				0.28%
Y 371.029	485392.2	84.6	%	0.25				0.29%
Ag 328.068†	-453.0	-0.0004618	mg/L	0.00032742	-0.0004618	mg/L	0.00032742	70.90%
Al 308.215†	17256167.0	506.498	mg/L	3.7690	506.498	mg/L	3.7690	0.74%
QC value within limits for Al 308.215 Recovery = 101.30%								
As 188.979†	-34.1	0.0084419	mg/L	0.00314110	0.0084419	mg/L	0.00314110	37.21%
Ba 233.527†	748.5	0.0023315	mg/L	0.00009560	0.0023315	mg/L	0.00009560	4.10%
Be 313.107†	-2889.9	0.0015537	mg/L	0.00000549	0.0015537	mg/L	0.00000549	0.35%
Ca 315.887†	58725962.5	485.712	mg/L	3.1663	485.712	mg/L	3.1663	0.65%
QC value within limits for Ca 315.887 Recovery = 97.14%								
Cd 228.802†	262.8	0.0007580	mg/L	0.00065888	0.0007580	mg/L	0.00065888	86.92%
Co 228.616†	-172.0	-0.0006975	mg/L	0.00000246	-0.0006975	mg/L	0.00000246	0.35%
Cr 267.716†	-193.6	0.0054488	mg/L	0.00020446	0.0054488	mg/L	0.00020446	3.75%
Cu 327.393†	1324.3	0.0023753	mg/L	0.00065755	0.0023753	mg/L	0.00065755	27.68%
Fe 273.955†	2529857.7	189.336	mg/L	0.5426	189.336	mg/L	0.5426	0.29%
QC value within limits for Fe 273.955 Recovery = 94.67%								
K 404.721†	-207.9	-4.08434	mg/L	0.568248	-4.08434	mg/L	0.568248	13.91%
Mg 279.077†	9915209.1	502.319	mg/L	3.6795	502.319	mg/L	3.6795	0.73%
QC value within limits for Mg 279.077 Recovery = 100.46%								
Mn 257.610†	-5250.5	-0.0247667	mg/L	0.00008970	-0.0247667	mg/L	0.00008970	0.36%
Mo 202.031†	86.0	0.0053113	mg/L	0.00017759	0.0053113	mg/L	0.00017759	3.34%
Na 330.237†	6.2	0.891074	mg/L	0.1012422	0.891074	mg/L	0.1012422	11.36%
Ni 231.604†	-10.3	-0.0004102	mg/L	0.00050702	-0.0004102	mg/L	0.00050702	123.59%
Pb 220.353†	-853.8	0.0002550	mg/L	0.00220973	0.0002550	mg/L	0.00220973	866.71%
Sb 206.836†	-45.6	0.0095601	mg/L	0.00232161	0.0095601	mg/L	0.00232161	24.28%
Se 196.026†	-56.7	-0.0154516	mg/L	0.00943333	-0.0154516	mg/L	0.00943333	61.05%
Sn 189.927†	10.1	0.0053020	mg/L	0.00052300	0.0053020	mg/L	0.00052300	9.86%
Ti 334.940†	1294.7	0.0008642	mg/L	0.00000112	0.0008642	mg/L	0.00000112	0.13%
Tl 190.801†	-26.2	-0.0079268	mg/L	0.00006390	-0.0079268	mg/L	0.00006390	0.81%
V 290.880†	5283.1	-0.0024302	mg/L	0.00048873	-0.0024302	mg/L	0.00048873	20.11%
Zn 206.200†	262.5	-0.0158812	mg/L	0.00000020	-0.0158812	mg/L	0.00000020	0.00%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-106425
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/15/2011 5:45:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-106425

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1167027.7	86.1	%	0.17				0.20%
Y 371.029	483742.8	84.4	%	0.19				0.22%
Ag 328.068†	112278.9	1.04016	mg/L	0.001102	1.04016	mg/L	0.001102	0.11%
QC value within limits for Ag 328.068 Recovery = 104.02%								
Al 308.215†	17181727.9	504.313	mg/L	0.7449	504.313	mg/L	0.7449	0.15%
QC value within limits for Al 308.215 Recovery = 100.86%								
As 188.979†	1349.5	1.01357	mg/L	0.003713	1.01357	mg/L	0.003713	0.37%
QC value within limits for As 188.979 Recovery = 101.36%								
Ba 233.527†	96021.1	0.515334	mg/L	0.0003015	0.515334	mg/L	0.0003015	0.06%
QC value within limits for Ba 233.527 Recovery = 103.07%								
Be 313.107†	1762095.9	0.501351	mg/L	0.0004800	0.501351	mg/L	0.0004800	0.10%
QC value within limits for Be 313.107 Recovery = 100.27%								
Ca 315.887†	58426032.6	483.231	mg/L	1.2626	483.231	mg/L	1.2626	0.26%
QC value within limits for Ca 315.887 Recovery = 96.65%								
Cd 228.802†	54150.5	1.02530	mg/L	0.000334	1.02530	mg/L	0.000334	0.03%
QC value within limits for Cd 228.802 Recovery = 102.53%								
Co 228.616†	20181.4	0.471472	mg/L	0.0004863	0.471472	mg/L	0.0004863	0.10%
QC value within limits for Co 228.616 Recovery = 94.29%								
Cr 267.716†	46613.7	0.497952	mg/L	0.0009048	0.497952	mg/L	0.0009048	0.18%
QC value within limits for Cr 267.716 Recovery = 99.59%								
Cu 327.393†	83427.6	0.530013	mg/L	0.0004696	0.530013	mg/L	0.0004696	0.09%
QC value within limits for Cu 327.393 Recovery = 106.00%								
Fe 273.955†	2525597.5	189.016	mg/L	0.2047	189.016	mg/L	0.2047	0.11%
QC value within limits for Fe 273.955 Recovery = 94.51%								
K 404.721†	-224.8	-4.46168	mg/L	2.491342	-4.46168	mg/L	2.491342	55.84%
Mg 279.077†	9870381.7	500.047	mg/L	1.1710	500.047	mg/L	1.1710	0.23%
QC value within limits for Mg 279.077 Recovery = 100.01%								
Mn 257.610†	234230.8	0.472125	mg/L	0.0001296	0.472125	mg/L	0.0001296	0.03%
QC value within limits for Mn 257.610 Recovery = 94.42%								
Mo 202.031†	89.4	0.0055523	mg/L	0.00097651	0.0055523	mg/L	0.00097651	17.59%
Na 330.237†	798.2	1.61145	mg/L	0.019351	1.61145	mg/L	0.019351	1.20%
Ni 231.604†	54284.7	0.933532	mg/L	0.0006968	0.933532	mg/L	0.0006968	0.07%
QC value within limits for Ni 231.604 Recovery = 93.35%								
Pb 220.353†	11960.5	0.948245	mg/L	0.0017748	0.948245	mg/L	0.0017748	0.19%
QC value within limits for Pb 220.353 Recovery = 94.82%								
Sb 206.836†	1845.8	1.03248	mg/L	0.001848	1.03248	mg/L	0.001848	0.18%
QC value within limits for Sb 206.836 Recovery = 103.25%								
Se 196.026†	1318.1	1.00437	mg/L	0.011421	1.00437	mg/L	0.011421	1.14%
QC value within limits for Se 196.026 Recovery = 100.44%								
Sn 189.927†	7.8	0.0046383	mg/L	0.00190220	0.0046383	mg/L	0.00190220	41.01%
Ti 334.940†	1402.6	0.0009804	mg/L	0.00002647	0.0009804	mg/L	0.00002647	2.70%
Tl 190.801†	1069.8	0.948582	mg/L	0.0038931	0.948582	mg/L	0.0038931	0.41%
QC value within limits for Tl 190.801 Recovery = 94.86%								
V 290.880†	90877.5	0.486782	mg/L	0.0002764	0.486782	mg/L	0.0002764	0.06%
QC value within limits for V 290.880 Recovery = 97.36%								
Zn 206.200†	42544.2	0.947443	mg/L	0.0016158	0.947443	mg/L	0.0016158	0.17%
QC value within limits for Zn 206.200 Recovery = 94.74%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3328 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 2/15/2011 5:51:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3328 (1)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1392733.8	103	%	1.1				1.06%
Y 371.029	586907.6	102	%	1.0				0.99%
Ag 328.068†	-24.9	0.0000805	mg/L	0.00014515	0.0000805	mg/L	0.00014515	180.42%
Al 308.215†	902.2	0.0612378	mg/L	0.00400590	0.0612378	mg/L	0.00400590	6.54%
As 188.979†	3.3	0.0053171	mg/L	0.00174987	0.0053171	mg/L	0.00174987	32.91%
Ba 233.527†	161.6	0.0012005	mg/L	0.00005808	0.0012005	mg/L	0.00005808	4.84%
Be 313.107†	41.7	0.0008614	mg/L	0.00000152	0.0008614	mg/L	0.00000152	0.18%
Ca 315.887†	48696.6	0.305543	mg/L	0.0036057	0.305543	mg/L	0.0036057	1.18%
Cd 228.802†	6.0	0.0013210	mg/L	0.00004579	0.0013210	mg/L	0.00004579	3.47%
Co 228.616†	0.0	0.0008273	mg/L	0.00011650	0.0008273	mg/L	0.00011650	14.08%
Cr 267.716†	11.5	0.0007928	mg/L	0.00001867	0.0007928	mg/L	0.00001867	2.36%
Cu 327.393†	283.8	0.0030146	mg/L	0.00031703	0.0030146	mg/L	0.00031703	10.52%
Fe 273.955†	1301.5	0.0993704	mg/L	0.00034478	0.0993704	mg/L	0.00034478	0.35%
K 404.721†	-52.9	-0.617675	mg/L	1.4165199	-0.617675	mg/L	1.4165199	229.33%
Mg 279.077†	776.3	-0.110925	mg/L	0.0010502	-0.110925	mg/L	0.0010502	0.95%
Mn 257.610†	1384.2	0.0032883	mg/L	0.00002275	0.0032883	mg/L	0.00002275	0.69%
Mo 202.031†	0.2	-0.0010089	mg/L	0.00021093	-0.0010089	mg/L	0.00021093	20.91%
Na 330.237†	135.1	1.00837	mg/L	0.017107	1.00837	mg/L	0.017107	1.70%
Ni 231.604†	-0.8	-0.0002517	mg/L	0.00024493	-0.0002517	mg/L	0.00024493	97.30%
Pb 220.353†	3.2	0.0001441	mg/L	0.00095205	0.0001441	mg/L	0.00095205	660.80%
Sb 206.836†	1.9	0.0016590	mg/L	0.00116176	0.0016590	mg/L	0.00116176	70.03%
Se 196.026†	-6.8	0.0004253	mg/L	0.00096115	0.0004253	mg/L	0.00096115	226.00%
Sn 189.927†	9.7	0.0014251	mg/L	0.00061685	0.0014251	mg/L	0.00061685	43.29%
Ti 334.940†	286.9	-0.0002204	mg/L	0.00000688	-0.0002204	mg/L	0.00000688	3.12%
Tl 190.801†	1.4	0.0003112	mg/L	0.00134944	0.0003112	mg/L	0.00134944	433.61%
V 290.880†	-70.0	0.0005912	mg/L	0.00056807	0.0005912	mg/L	0.00056807	96.08%
Zn 206.200†	318.9	0.0065163	mg/L	0.00012215	0.0065163	mg/L	0.00012215	1.87%

Sequence No.: 12
Sample ID: LCSW 3328
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 2/15/2011 5:55:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3328

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1307359.8	96.4	%	3.61				3.75%
Y 371.029	544104.6	94.9	%	3.49				3.68%
Ag 328.068†	10375.7	0.0954784	mg/L	0.00487934	0.0954784	mg/L	0.00487934	5.11%
Al 308.215†	174046.3	5.13158	mg/L	0.296829	5.13158	mg/L	0.296829	5.78%
As 188.979†	663.1	0.483943	mg/L	0.0202205	0.483943	mg/L	0.0202205	4.18%
Ba 233.527†	92931.4	0.500665	mg/L	0.0269268	0.500665	mg/L	0.0269268	5.38%
Be 313.107†	1736061.9	0.492182	mg/L	0.0250410	0.492182	mg/L	0.0250410	5.09%
Ca 315.887†	6143772.9	50.7269	mg/L	2.53559	50.7269	mg/L	2.53559	5.00%
Cd 228.802†	25880.3	0.493160	mg/L	0.0261722	0.493160	mg/L	0.0261722	5.31%
Co 228.616†	21614.8	0.502774	mg/L	0.0272366	0.502774	mg/L	0.0272366	5.42%
Cr 267.716†	47487.0	0.502888	mg/L	0.0278709	0.502888	mg/L	0.0278709	5.54%
Cu 327.393†	77009.4	0.495010	mg/L	0.0269711	0.495010	mg/L	0.0269711	5.45%
Fe 273.955†	73255.8	5.49755	mg/L	0.258617	5.49755	mg/L	0.258617	4.70%
K 404.721†	2048.7	46.3783	mg/L	4.58346	46.3783	mg/L	4.58346	9.88%
Mg 279.077†	985498.1	49.7993	mg/L	2.48699	49.7993	mg/L	2.48699	4.99%
Mn 257.610†	245787.2	0.508449	mg/L	0.0271334	0.508449	mg/L	0.0271334	5.34%
Mo 202.031†	7271.4	0.489966	mg/L	0.0202369	0.489966	mg/L	0.0202369	4.13%
Na 330.237†	49446.7	45.8589	mg/L	2.31275	45.8589	mg/L	2.31275	5.04%
Ni 231.604†	29215.9	0.502644	mg/L	0.0274825	0.502644	mg/L	0.0274825	5.47%
Pb 220.353†	6663.5	0.493844	mg/L	0.0212215	0.493844	mg/L	0.0212215	4.30%
Sb 206.836†	892.8	0.483931	mg/L	0.0202257	0.483931	mg/L	0.0202257	4.18%
Se 196.026†	648.7	0.488326	mg/L	0.0190976	0.488326	mg/L	0.0190976	3.91%
Sn 189.927†	1751.9	0.493241	mg/L	0.0221768	0.493241	mg/L	0.0221768	4.50%
Ti 334.940†	462854.9	0.497654	mg/L	0.0256404	0.497654	mg/L	0.0256404	5.15%
Tl 190.801†	589.8	0.515647	mg/L	0.0221575	0.515647	mg/L	0.0221575	4.30%
V 290.880†	86969.4	0.495516	mg/L	0.0280508	0.495516	mg/L	0.0280508	5.66%
Zn 206.200†	22155.8	0.502071	mg/L	0.0284765	0.502071	mg/L	0.0284765	5.67%

Sequence No.: 13
Sample ID: LCSW MR 3328
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 2/15/2011 5:58:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3328

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1328822.6	98.0	%	0.61				0.62%
Y 371.029	553027.3	96.4	%	0.56				0.58%
Ag 328.068†	9986.0	0.0919052	mg/L	0.00191563	0.0919052	mg/L	0.00191563	2.08%
Al 308.215†	158272.9	4.66916	mg/L	0.113598	4.66916	mg/L	0.113598	2.43%
As 188.979†	635.6	0.464002	mg/L	0.0066660	0.464002	mg/L	0.0066660	1.44%
Ba 233.527†	88751.4	0.478165	mg/L	0.0084634	0.478165	mg/L	0.0084634	1.77%
Be 313.107†	1660912.9	0.470914	mg/L	0.0053088	0.470914	mg/L	0.0053088	1.13%
Ca 315.887†	5796235.0	47.8519	mg/L	0.56656	47.8519	mg/L	0.56656	1.18%
Cd 228.802†	24801.5	0.472659	mg/L	0.0089555	0.472659	mg/L	0.0089555	1.89%
Co 228.616†	20670.9	0.480875	mg/L	0.0081795	0.480875	mg/L	0.0081795	1.70%
Cr 267.716†	45039.2	0.476992	mg/L	0.0089480	0.476992	mg/L	0.0089480	1.88%
Cu 327.393†	73985.7	0.475639	mg/L	0.0089717	0.475639	mg/L	0.0089717	1.89%
Fe 273.955†	63372.5	4.75778	mg/L	0.093851	4.75778	mg/L	0.093851	1.97%
K 404.721†	1929.7	43.7161	mg/L	0.40235	43.7161	mg/L	0.40235	0.92%
Mg 279.077†	941299.1	47.5591	mg/L	0.57498	47.5591	mg/L	0.57498	1.21%
Mn 257.610†	230002.5	0.475762	mg/L	0.0089609	0.475762	mg/L	0.0089609	1.88%
Mo 202.031†	6933.4	0.467145	mg/L	0.0041140	0.467145	mg/L	0.0041140	0.88%
Na 330.237†	47563.6	44.1462	mg/L	0.81238	44.1462	mg/L	0.81238	1.84%
Ni 231.604†	27987.2	0.481494	mg/L	0.0090998	0.481494	mg/L	0.0090998	1.89%
Pb 220.353†	6416.0	0.475481	mg/L	0.0043452	0.475481	mg/L	0.0043452	0.91%
Sb 206.836†	850.7	0.461037	mg/L	0.0027660	0.461037	mg/L	0.0027660	0.60%
Se 196.026†	616.7	0.464356	mg/L	0.0030773	0.464356	mg/L	0.0030773	0.66%
Sn 189.927†	1686.3	0.474688	mg/L	0.0061237	0.474688	mg/L	0.0061237	1.29%
Ti 334.940†	437337.8	0.470189	mg/L	0.0055846	0.470189	mg/L	0.0055846	1.19%
Tl 190.801†	567.5	0.496129	mg/L	0.0057797	0.496129	mg/L	0.0057797	1.16%
V 290.880†	83083.1	0.473435	mg/L	0.0092080	0.473435	mg/L	0.0092080	1.94%
Zn 206.200†	21094.2	0.477986	mg/L	0.0088986	0.477986	mg/L	0.0088986	1.86%

Sequence No.: 14
Sample ID: 57098-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 2/15/2011 6:02:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1355132.9	99.9	%	2.23				2.23%
Y 371.029	570447.1	99.5	%	2.21				2.22%
Ag 328.068†	71.9	0.0009674	mg/L	0.00038758	0.0009674	mg/L	0.00038758	40.06%
Al 308.215†	12865.0	0.412255	mg/L	0.0038792	0.412255	mg/L	0.0038792	0.94%
As 188.979†	-1.5	0.0016828	mg/L	0.00090417	0.0016828	mg/L	0.00090417	53.73%
Ba 233.527†	3357.7	0.0184102	mg/L	0.00021942	0.0184102	mg/L	0.00021942	1.19%
Be 313.107†	143.8	0.0008886	mg/L	0.00004281	0.0008886	mg/L	0.00004281	4.82%
Ca 315.887†	1661138.8	13.6444	mg/L	0.10406	13.6444	mg/L	0.10406	0.76%
Cd 228.802†	18.6	0.0015594	mg/L	0.00002335	0.0015594	mg/L	0.00002335	1.50%
Co 228.616†	8.5	0.0010380	mg/L	0.00004976	0.0010380	mg/L	0.00004976	4.79%
Cr 267.716†	610.9	0.0071185	mg/L	0.00029452	0.0071185	mg/L	0.00029452	4.14%
Cu 327.393†	2532.4	0.0172614	mg/L	0.00052281	0.0172614	mg/L	0.00052281	3.03%
Fe 273.955†	1284.7	0.0981584	mg/L	0.00178968	0.0981584	mg/L	0.00178968	1.82%
K 404.721†	188.7	4.78436	mg/L	0.345639	4.78436	mg/L	0.345639	7.22%
Mg 279.077†	3178.4	0.0108677	mg/L	0.02204477	0.0108677	mg/L	0.02204477	202.85%
Mn 257.610†	4879.8	0.0105358	mg/L	0.00013346	0.0105358	mg/L	0.00013346	1.27%
Mo 202.031†	56.3	0.0024653	mg/L	0.00020680	0.0024653	mg/L	0.00020680	8.39%
Na 330.237†	6039.8	6.37888	mg/L	0.119601	6.37888	mg/L	0.119601	1.87%
Ni 231.604†	32.9	0.0003304	mg/L	0.00022328	0.0003304	mg/L	0.00022328	67.57%
Pb 220.353†	205.2	0.0151047	mg/L	0.00027727	0.0151047	mg/L	0.00027727	1.84%
Sb 206.836†	4.5	0.0030594	mg/L	0.00068189	0.0030594	mg/L	0.00068189	22.29%
Se 196.026†	-6.3	0.0010187	mg/L	0.00125732	0.0010187	mg/L	0.00125732	123.43%
Sn 189.927†	21.6	0.0050423	mg/L	0.00008800	0.0050423	mg/L	0.00008800	1.75%
Ti 334.940†	2823.6	0.0025098	mg/L	0.00009130	0.0025098	mg/L	0.00009130	3.64%
Tl 190.801†	1.0	0.0000640	mg/L	0.00030590	0.0000640	mg/L	0.00030590	478.31%
V 290.880†	304.3	0.0027260	mg/L	0.00052335	0.0027260	mg/L	0.00052335	19.20%
Zn 206.200†	871.9	0.0191778	mg/L	0.00067540	0.0191778	mg/L	0.00067540	3.52%

Sequence No.: 15
Sample ID: 57098-001 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 2/15/2011 6:06:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1373837.5	101	%	1.1				1.08%
Y 371.029	577930.7	101	%	1.1				1.05%
Ag 328.068†	58.2	0.0008380	mg/L	0.00026944	0.0008380	mg/L	0.00026944	32.15%
Al 308.215†	11546.5	0.373562	mg/L	0.0077200	0.373562	mg/L	0.0077200	2.07%
As 188.979†	0.0	0.0028035	mg/L	0.00233742	0.0028035	mg/L	0.00233742	83.38%
Ba 233.527†	3383.5	0.0185487	mg/L	0.00011745	0.0185487	mg/L	0.00011745	0.63%
Be 313.107†	60.2	0.0008650	mg/L	0.00000125	0.0008650	mg/L	0.00000125	0.14%
Ca 315.887†	1650523.9	13.5566	mg/L	0.14443	13.5566	mg/L	0.14443	1.07%
Cd 228.802†	-3.9	0.0011315	mg/L	0.00009709	0.0011315	mg/L	0.00009709	8.58%
Co 228.616†	7.8	0.0010192	mg/L	0.00001921	0.0010192	mg/L	0.00001921	1.88%
Cr 267.716†	610.9	0.0071235	mg/L	0.00027075	0.0071235	mg/L	0.00027075	3.80%
Cu 327.393†	372.8	0.0033853	mg/L	0.00035663	0.0033853	mg/L	0.00035663	10.53%
Fe 273.955†	1224.6	0.0936572	mg/L	0.00203663	0.0936572	mg/L	0.00203663	2.17%
K 404.721†	164.4	4.24127	mg/L	0.571743	4.24127	mg/L	0.571743	13.48%
Mg 279.077†	2769.1	-0.0098773	mg/L	0.00058263	-0.0098773	mg/L	0.00058263	5.90%
Mn 257.610†	8098.7	0.0172140	mg/L	0.00020826	0.0172140	mg/L	0.00020826	1.21%
Mo 202.031†	53.8	0.0022919	mg/L	0.00026886	0.0022919	mg/L	0.00026886	11.73%
Na 330.237†	5994.1	6.33730	mg/L	0.032794	6.33730	mg/L	0.032794	0.52%
Ni 231.604†	18.4	0.0000806	mg/L	0.00005396	0.0000806	mg/L	0.00005396	66.94%
Pb 220.353†	178.3	0.0131088	mg/L	0.00107169	0.0131088	mg/L	0.00107169	8.18%
Sb 206.836†	-0.8	0.0002275	mg/L	0.00120494	0.0002275	mg/L	0.00120494	529.73%
Se 196.026†	-12.7	-0.0037299	mg/L	0.00362385	-0.0037299	mg/L	0.00362385	97.16%
Sn 189.927†	-1.7	-0.0015202	mg/L	0.00046214	-0.0015202	mg/L	0.00046214	30.40%
Ti 334.940†	2670.5	0.0023450	mg/L	0.00016834	0.0023450	mg/L	0.00016834	7.18%
Tl 190.801†	-1.5	-0.0020914	mg/L	0.00170002	-0.0020914	mg/L	0.00170002	81.29%
V 290.880†	253.6	0.0024374	mg/L	0.00012038	0.0024374	mg/L	0.00012038	4.94%
Zn 206.200†	218.2	0.0042867	mg/L	0.00019526	0.0042867	mg/L	0.00019526	4.56%

Sequence No.: 16
Sample ID: 57098-001 SPLP SPIKE
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 2/15/2011 6:09:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001 SPLP SPIKE

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1331978.4	98.2	%	0.11				0.11%
Y 371.029	554557.4	96.7	%	0.10				0.10%
Ag 328.068†	9636.6	0.0886887	mg/L	0.00028539	0.0886887	mg/L	0.00028539	0.32%
Al 308.215†	163953.4	4.83615	mg/L	0.011457	4.83615	mg/L	0.011457	0.24%
As 188.979†	621.7	0.453749	mg/L	0.0003611	0.453749	mg/L	0.0003611	0.08%
Ba 233.527†	890906.4	4.79740	mg/L	0.047676	4.79740	mg/L	0.047676	0.99%
Be 313.107†	1613084.9	0.457374	mg/L	0.0048009	0.457374	mg/L	0.0048009	1.05%
Ca 315.887†	7333821.3	60.5716	mg/L	0.61333	60.5716	mg/L	0.61333	1.01%
Cd 228.802†	24138.8	0.460060	mg/L	0.0009923	0.460060	mg/L	0.0009923	0.22%
Co 228.616†	20198.9	0.469904	mg/L	0.0001036	0.469904	mg/L	0.0001036	0.02%
Cr 267.716†	44611.1	0.472436	mg/L	0.0008048	0.472436	mg/L	0.0008048	0.17%
Cu 327.393†	72056.3	0.463053	mg/L	0.0010244	0.463053	mg/L	0.0010244	0.22%
Fe 273.955†	62637.5	4.70240	mg/L	0.001593	4.70240	mg/L	0.001593	0.03%
K 404.721†	1928.3	43.6855	mg/L	1.17114	43.6855	mg/L	1.17114	2.68%
Mg 279.077†	918256.2	46.3912	mg/L	0.45437	46.3912	mg/L	0.45437	0.98%
Mn 257.610†	231621.9	0.479169	mg/L	0.0001735	0.479169	mg/L	0.0001735	0.04%
Mo 202.031†	6761.0	0.455167	mg/L	0.0001726	0.455167	mg/L	0.0001726	0.04%
Na 330.237†	53618.7	49.6535	mg/L	0.10443	49.6535	mg/L	0.10443	0.21%
Ni 231.604†	27264.4	0.469052	mg/L	0.0004414	0.469052	mg/L	0.0004414	0.09%
Pb 220.353†	64168.6	4.74927	mg/L	0.015585	4.74927	mg/L	0.015585	0.33%
Sb 206.836†	839.3	0.454873	mg/L	0.0039633	0.454873	mg/L	0.0039633	0.87%
Se 196.026†	597.2	0.450097	mg/L	0.0021843	0.450097	mg/L	0.0021843	0.49%
Sn 189.927†	1650.2	0.464785	mg/L	0.0003819	0.464785	mg/L	0.0003819	0.08%
Ti 334.940†	430701.7	0.463046	mg/L	0.0055009	0.463046	mg/L	0.0055009	1.19%
Tl 190.801†	544.7	0.476252	mg/L	0.0028249	0.476252	mg/L	0.0028249	0.59%
V 290.880†	81499.7	0.464444	mg/L	0.0001038	0.464444	mg/L	0.0001038	0.02%
Zn 206.200†	20675.3	0.468556	mg/L	0.0013607	0.468556	mg/L	0.0013607	0.29%

Sequence No.: 17
Sample ID: 57098-001 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 2/15/2011 6:13:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-001 PS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1313470.7	96.9	%	0.00				0.00%
Y 371.029	548116.0	95.6	%	0.04				0.05%
Ag 328.068†	9362.6	0.0861427	mg/L	0.00025858	0.0861427	mg/L	0.00025858	0.30%
Al 308.215†	167884.3	4.95115	mg/L	0.005489	4.95115	mg/L	0.005489	0.11%
As 188.979†	634.5	0.463000	mg/L	0.0059780	0.463000	mg/L	0.0059780	1.29%
Ba 233.527†	924406.8	4.97778	mg/L	0.031738	4.97778	mg/L	0.031738	0.64%
Be 313.107†	1655947.0	0.469504	mg/L	0.0035172	0.469504	mg/L	0.0035172	0.75%
Ca 315.887†	7320825.3	60.4641	mg/L	0.86642	60.4641	mg/L	0.86642	1.43%
Cd 228.802†	24674.7	0.470246	mg/L	0.0000310	0.470246	mg/L	0.0000310	0.01%
Co 228.616†	20636.5	0.480081	mg/L	0.0020984	0.480081	mg/L	0.0020984	0.44%
Cr 267.716†	45533.6	0.482217	mg/L	0.0001887	0.482217	mg/L	0.0001887	0.04%
Cu 327.393†	75912.4	0.487826	mg/L	0.0007892	0.487826	mg/L	0.0007892	0.16%
Fe 273.955†	63932.4	4.79953	mg/L	0.007653	4.79953	mg/L	0.007653	0.16%
K 404.721†	1994.7	45.1709	mg/L	1.16854	45.1709	mg/L	1.16854	2.59%
Mg 279.077†	935080.2	47.2440	mg/L	0.28169	47.2440	mg/L	0.28169	0.60%
Mn 257.610†	233121.9	0.482252	mg/L	0.0008857	0.482252	mg/L	0.0008857	0.18%
Mo 202.031†	6998.0	0.471211	mg/L	0.0027510	0.471211	mg/L	0.0027510	0.58%
Na 330.237†	54200.7	50.1828	mg/L	0.12530	50.1828	mg/L	0.12530	0.25%
Ni 231.604†	27860.9	0.479323	mg/L	0.0011947	0.479323	mg/L	0.0011947	0.25%
Pb 220.353†	64692.6	4.78808	mg/L	0.015303	4.78808	mg/L	0.015303	0.32%
Sb 206.836†	871.9	0.472563	mg/L	0.0025177	0.472563	mg/L	0.0025177	0.53%
Se 196.026†	613.4	0.462096	mg/L	0.0021152	0.462096	mg/L	0.0021152	0.46%
Sn 189.927†	1709.0	0.481339	mg/L	0.0012424	0.481339	mg/L	0.0012424	0.26%
Ti 334.940†	442696.4	0.475957	mg/L	0.0035964	0.475957	mg/L	0.0035964	0.76%
Tl 190.801†	571.3	0.499518	mg/L	0.0002513	0.499518	mg/L	0.0002513	0.05%
V 290.880†	83424.9	0.475407	mg/L	0.0006986	0.475407	mg/L	0.0006986	0.15%
Zn 206.200†	21670.3	0.491183	mg/L	0.0020822	0.491183	mg/L	0.0020822	0.42%

Sequence No.: 18
Sample ID: CCV V-107291
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 2/15/2011 6:17:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-107291

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1315243.2	97.0	%	0.86				0.88%
Y 371.029	547362.7	95.4	%	0.81				0.85%
Ag 328.068†	10446.2	0.0961206	mg/L	0.00093808	0.0961206	mg/L	0.00093808	0.98%
QC value within limits for Ag 328.068 Recovery = 96.12%								
Al 308.215†	165875.5	4.89169	mg/L	0.059992	4.89169	mg/L	0.059992	1.23%
QC value within limits for Al 308.215 Recovery = 97.83%								
As 188.979†	678.1	0.494816	mg/L	0.0104403	0.494816	mg/L	0.0104403	2.11%
QC value within limits for As 188.979 Recovery = 98.96%								
Ba 233.527†	94238.4	0.507708	mg/L	0.0050020	0.507708	mg/L	0.0050020	0.99%
QC value within limits for Ba 233.527 Recovery = 101.54%								
Be 313.107†	1758823.1	0.498625	mg/L	0.0061543	0.498625	mg/L	0.0061543	1.23%
QC value within limits for Be 313.107 Recovery = 99.72%								
Ca 315.887†	6078234.4	50.1848	mg/L	0.57768	50.1848	mg/L	0.57768	1.15%
QC value within limits for Ca 315.887 Recovery = 100.37%								
Cd 228.802†	26334.6	0.501804	mg/L	0.0062573	0.501804	mg/L	0.0062573	1.25%
QC value within limits for Cd 228.802 Recovery = 100.36%								
Co 228.616†	21856.8	0.508413	mg/L	0.0061615	0.508413	mg/L	0.0061615	1.21%
QC value within limits for Co 228.616 Recovery = 101.68%								
Cr 267.716†	47698.4	0.505103	mg/L	0.0059751	0.505103	mg/L	0.0059751	1.18%
QC value within limits for Cr 267.716 Recovery = 101.02%								
Cu 327.393†	77640.7	0.499076	mg/L	0.0054427	0.499076	mg/L	0.0054427	1.09%
QC value within limits for Cu 327.393 Recovery = 99.82%								
Fe 273.955†	66775.5	5.01326	mg/L	0.049533	5.01326	mg/L	0.049533	0.99%
QC value within limits for Fe 273.955 Recovery = 100.27%								
K 404.721†	2036.6	46.1080	mg/L	1.37572	46.1080	mg/L	1.37572	2.98%
QC value within limits for K 404.721 Recovery = 92.22%								
Mg 279.077†	997119.9	50.3883	mg/L	0.58349	50.3883	mg/L	0.58349	1.16%
QC value within limits for Mg 279.077 Recovery = 100.78%								
Mn 257.610†	242009.0	0.500562	mg/L	0.0053319	0.500562	mg/L	0.0053319	1.07%
QC value within limits for Mn 257.610 Recovery = 100.11%								
Mo 202.031†	7317.7	0.493103	mg/L	0.0092029	0.493103	mg/L	0.0092029	1.87%
QC value within limits for Mo 202.031 Recovery = 98.62%								
Na 330.237†	50417.4	46.7418	mg/L	0.38719	46.7418	mg/L	0.38719	0.83%
QC value within limits for Na 330.237 Recovery = 93.48%								
Ni 231.604†	29743.9	0.511728	mg/L	0.0049803	0.511728	mg/L	0.0049803	0.97%
QC value within limits for Ni 231.604 Recovery = 102.35%								
Pb 220.353†	6864.7	0.508724	mg/L	0.0078327	0.508724	mg/L	0.0078327	1.54%
QC value within limits for Pb 220.353 Recovery = 101.74%								
Sb 206.836†	911.6	0.494013	mg/L	0.0111827	0.494013	mg/L	0.0111827	2.26%
QC value within limits for Sb 206.836 Recovery = 98.80%								
Se 196.026†	674.7	0.507447	mg/L	0.0066936	0.507447	mg/L	0.0066936	1.32%
QC value within limits for Se 196.026 Recovery = 101.49%								
Sn 189.927†	1789.6	0.503849	mg/L	0.0127435	0.503849	mg/L	0.0127435	2.53%
QC value within limits for Sn 189.927 Recovery = 100.77%								
Ti 334.940†	461298.8	0.495979	mg/L	0.0065185	0.495979	mg/L	0.0065185	1.31%
QC value within limits for Ti 334.940 Recovery = 99.20%								
Tl 190.801†	596.7	0.521644	mg/L	0.0086762	0.521644	mg/L	0.0086762	1.66%
QC value within limits for Tl 190.801 Recovery = 104.33%								
V 290.880†	88051.1	0.501686	mg/L	0.0060743	0.501686	mg/L	0.0060743	1.21%
QC value within limits for V 290.880 Recovery = 100.34%								
Zn 206.200†	22224.5	0.503626	mg/L	0.0052259	0.503626	mg/L	0.0052259	1.04%
QC value within limits for Zn 206.200 Recovery = 100.73%								

All analyte(s) passed QC.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 2/15/2011 6:21:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1380904.1	102	%	0.1				0.11%
Y 371.029	586029.8	102	%	0.1				0.10%
Ag 328.068†	21.7	0.0005092	mg/L	0.00067722	0.0005092	mg/L	0.00067722	133.01%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-341.2	0.0247226	mg/L	0.00144250	0.0247226	mg/L	0.00144250	5.83%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-4.7	-0.0005076	mg/L	0.00052447	-0.0005076	mg/L	0.00052447	103.32%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	30.0	0.0004929	mg/L	0.00000434	0.0004929	mg/L	0.00000434	0.88%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	81.2	0.0008720	mg/L	0.00001039	0.0008720	mg/L	0.00001039	1.19%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-590.6	-0.102184	mg/L	0.0009451	-0.102184	mg/L	0.0009451	0.92%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-8.0	0.0010561	mg/L	0.00015086	0.0010561	mg/L	0.00015086	14.29%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	1.6	0.0008695	mg/L	0.00005019	0.0008695	mg/L	0.00005019	5.77%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-22.3	0.0004361	mg/L	0.00000202	0.0004361	mg/L	0.00000202	0.46%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	196.6	0.0024606	mg/L	0.00093072	0.0024606	mg/L	0.00093072	37.83%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	14.9	0.0031594	mg/L	0.00145564	0.0031594	mg/L	0.00145564	46.07%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	64.2	2.00021	mg/L	1.509488	2.00021	mg/L	1.509488	75.47%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-32.7	-0.151910	mg/L	0.0000746	-0.151910	mg/L	0.0000746	0.05%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-37.7	0.0003363	mg/L	0.00000388	0.0003363	mg/L	0.00000388	1.15%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	13.0	-0.0001348	mg/L	0.00007966	-0.0001348	mg/L	0.00007966	59.07%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-49.6	0.840365	mg/L	0.0520971	0.840365	mg/L	0.0520971	6.20%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	-18.4	-0.0005542	mg/L	0.00022964	-0.0005542	mg/L	0.00022964	41.44%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	34.2	0.0024443	mg/L	0.00113779	0.0024443	mg/L	0.00113779	46.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-2.1	-0.0005209	mg/L	0.00098338	-0.0005209	mg/L	0.00098338	188.78%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-7.8	-0.0003531	mg/L	0.00025261	-0.0003531	mg/L	0.00025261	71.54%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	15.1	0.0029350	mg/L	0.00073470	0.0029350	mg/L	0.00073470	25.03%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-6.1	-0.0005358	mg/L	0.00002032	-0.0005358	mg/L	0.00002032	3.79%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.2	0.0010354	mg/L	0.00220026	0.0010354	mg/L	0.00220026	212.50%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-124.4	0.0002864	mg/L	0.00037651	0.0002864	mg/L	0.00037651	131.46%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-47.4	-0.0018267	mg/L	0.00009795	-0.0018267	mg/L	0.00009795	5.36%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: 57098-005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 2/15/2011 6:24:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-005

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1401812.6	103	%	0.4				0.40%
Y 371.029	589181.0	103	%	0.3				0.31%
Ag 328.068†	71.4	0.0009660	mg/L	0.00019230	0.0009660	mg/L	0.00019230	19.91%
Al 308.215†	4394.8	0.163714	mg/L	0.0006581	0.163714	mg/L	0.0006581	0.40%
As 188.979†	-3.3	0.0004140	mg/L	0.00315894	0.0004140	mg/L	0.00315894	762.97%
Ba 233.527†	1224.9	0.0069264	mg/L	0.00002518	0.0069264	mg/L	0.00002518	0.36%
Be 313.107†	-67.0	0.0008303	mg/L	0.00000306	0.0008303	mg/L	0.00000306	0.37%
Ca 315.887†	751884.1	6.12264	mg/L	0.105397	6.12264	mg/L	0.105397	1.72%
Cd 228.802†	-9.7	0.0010232	mg/L	0.00009643	0.0010232	mg/L	0.00009643	9.42%
Co 228.616†	-6.8	0.0006760	mg/L	0.00001499	0.0006760	mg/L	0.00001499	2.22%
Cr 267.716†	36.2	0.0010595	mg/L	0.00010176	0.0010595	mg/L	0.00010176	9.60%
Cu 327.393†	419.0	0.0037957	mg/L	0.00001233	0.0037957	mg/L	0.00001233	0.32%
Fe 273.955†	812.9	0.0628653	mg/L	0.00042028	0.0628653	mg/L	0.00042028	0.67%
K 404.721†	111.5	3.05793	mg/L	0.509230	3.05793	mg/L	0.509230	16.65%
Mg 279.077†	2145.6	-0.0415115	mg/L	0.00036037	-0.0415115	mg/L	0.00036037	0.87%
Mn 257.610†	2755.9	0.0061295	mg/L	0.00004366	0.0061295	mg/L	0.00004366	0.71%
Mo 202.031†	18.7	0.0001025	mg/L	0.00047110	0.0001025	mg/L	0.00047110	459.66%
Na 330.237†	813.5	1.62540	mg/L	0.025005	1.62540	mg/L	0.025005	1.54%
Ni 231.604†	-6.0	-0.0003393	mg/L	0.00012536	-0.0003393	mg/L	0.00012536	36.94%
Pb 220.353†	24.2	0.0016993	mg/L	0.00068379	0.0016993	mg/L	0.00068379	40.24%
Sb 206.836†	-2.0	-0.0004566	mg/L	0.00096175	-0.0004566	mg/L	0.00096175	210.64%
Se 196.026†	-3.4	0.0030073	mg/L	0.00489811	0.0030073	mg/L	0.00489811	162.87%
Sn 189.927†	4.2	-0.0000043	mg/L	0.00011664	-0.0000043	mg/L	0.00011664	>999.9%
Ti 334.940†	404.9	-0.0000935	mg/L	0.00004580	-0.0000935	mg/L	0.00004580	49.00%
Tl 190.801†	4.1	0.0027587	mg/L	0.00323772	0.0027587	mg/L	0.00323772	117.36%
V 290.880†	-97.9	0.0004299	mg/L	0.00013829	0.0004299	mg/L	0.00013829	32.17%
Zn 206.200†	287.7	0.0058350	mg/L	0.00006478	0.0058350	mg/L	0.00006478	1.11%

Sequence No.: 21
Sample ID: 57098-005 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 2/15/2011 6:28:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-005 SD

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1378445.4	102	%	0.3				0.28%
Y 371.029	581031.3	101	%	0.3				0.31%
Ag 328.068†	50.7	0.0007775	mg/L	0.00029417	0.0007775	mg/L	0.00029417	37.83%
Al 308.215†	767.8	0.0572823	mg/L	0.00128015	0.0572823	mg/L	0.00128015	2.23%
As 188.979†	-2.3	0.0012232	mg/L	0.00068937	0.0012232	mg/L	0.00068937	56.36%
Ba 233.527†	247.8	0.0016653	mg/L	0.00001495	0.0016653	mg/L	0.00001495	0.90%
Be 313.107†	43.1	0.0008614	mg/L	0.00002427	0.0008614	mg/L	0.00002427	2.82%
Ca 315.887†	145805.3	1.10887	mg/L	0.022704	1.10887	mg/L	0.022704	2.05%
Cd 228.802†	-12.3	0.0009742	mg/L	0.00009166	0.0009742	mg/L	0.00009166	9.41%
Co 228.616†	10.5	0.0010761	mg/L	0.00011940	0.0010761	mg/L	0.00011940	11.10%
Cr 267.716†	-5.5	0.0006120	mg/L	0.00004674	0.0006120	mg/L	0.00004674	7.64%
Cu 327.393†	247.4	0.0027689	mg/L	0.00020887	0.0027689	mg/L	0.00020887	7.54%
Fe 273.955†	186.6	0.0160026	mg/L	0.00240023	0.0160026	mg/L	0.00240023	15.00%
K 404.721†	46.6	1.60721	mg/L	3.218920	1.60721	mg/L	3.218920	200.28%
Mg 279.077†	434.1	-0.128262	mg/L	0.0039765	-0.128262	mg/L	0.0039765	3.10%
Mn 257.610†	442.0	0.0013308	mg/L	0.00004772	0.0013308	mg/L	0.00004772	3.59%
Mo 202.031†	6.6	-0.0005957	mg/L	0.00010016	-0.0005957	mg/L	0.00010016	16.81%
Na 330.237†	77.3	0.955807	mg/L	0.0275357	0.955807	mg/L	0.0275357	2.88%
Ni 231.604†	1.7	-0.0002084	mg/L	0.00014604	-0.0002084	mg/L	0.00014604	70.07%
Pb 220.353†	22.5	0.0015730	mg/L	0.00125608	0.0015730	mg/L	0.00125608	79.85%
Sb 206.836†	4.6	0.0031373	mg/L	0.00182181	0.0031373	mg/L	0.00182181	58.07%
Se 196.026†	-6.6	0.0005472	mg/L	0.00074394	0.0005472	mg/L	0.00074394	135.95%
Sn 189.927†	2.7	-0.0005460	mg/L	0.00021546	-0.0005460	mg/L	0.00021546	39.46%
Ti 334.940†	27.3	-0.0004999	mg/L	0.00002264	-0.0004999	mg/L	0.00002264	4.53%
Tl 190.801†	1.8	0.0007266	mg/L	0.00118872	0.0007266	mg/L	0.00118872	163.61%
V 290.880†	-73.0	0.0005781	mg/L	0.00039142	0.0005781	mg/L	0.00039142	67.71%
Zn 206.200†	36.7	0.0000944	mg/L	0.00000598	0.0000944	mg/L	0.00000598	6.33%

Sequence No.: 22
Sample ID: 57100-001
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 2/15/2011 6:31:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1370736.0	101	%	0.3				0.34%
Y 371.029	576602.0	101	%	0.4				0.35%
Ag 328.068†	126.3	0.0014715	mg/L	0.00033141	0.0014715	mg/L	0.00033141	22.52%
Al 308.215†	18582.0	0.580064	mg/L	0.0041414	0.580064	mg/L	0.0041414	0.71%
As 188.979†	-2.2	0.0011054	mg/L	0.00122440	0.0011054	mg/L	0.00122440	110.77%
Ba 233.527†	4178.1	0.0228279	mg/L	0.00001056	0.0228279	mg/L	0.00001056	0.05%
Be 313.107†	-27.7	0.0008407	mg/L	0.00000757	0.0008407	mg/L	0.00000757	0.90%
Ca 315.887†	2013931.2	16.5629	mg/L	0.22410	16.5629	mg/L	0.22410	1.35%
Cd 228.802†	0.4	0.0012110	mg/L	0.00006830	0.0012110	mg/L	0.00006830	5.64%
Co 228.616†	6.7	0.0010008	mg/L	0.00009095	0.0010008	mg/L	0.00009095	9.09%
Cr 267.716†	362.1	0.0044930	mg/L	0.00009895	0.0044930	mg/L	0.00009895	2.20%
Cu 327.393†	252.7	0.0025690	mg/L	0.00093013	0.0025690	mg/L	0.00093013	36.21%
Fe 273.955†	623.2	0.0486658	mg/L	0.00116328	0.0486658	mg/L	0.00116328	2.39%
K 404.721†	208.4	5.22462	mg/L	1.793358	5.22462	mg/L	1.793358	34.33%
Mg 279.077†	1339.9	-0.0823160	mg/L	0.00001556	-0.0823160	mg/L	0.00001556	0.02%
Mn 257.610†	2103.4	0.0047778	mg/L	0.00003306	0.0047778	mg/L	0.00003306	0.69%
Mo 202.031†	44.7	0.0016062	mg/L	0.00009729	0.0016062	mg/L	0.00009729	6.06%
Na 330.237†	7554.4	7.75647	mg/L	0.056569	7.75647	mg/L	0.056569	0.73%
Ni 231.604†	28.0	0.0002467	mg/L	0.00029471	0.0002467	mg/L	0.00029471	119.48%
Pb 220.353†	59.7	0.0043572	mg/L	0.00112411	0.0043572	mg/L	0.00112411	25.80%
Sb 206.836†	0.7	0.0010084	mg/L	0.00185340	0.0010084	mg/L	0.00185340	183.79%
Se 196.026†	-7.2	0.0003486	mg/L	0.00604655	0.0003486	mg/L	0.00604655	>999.9%
Sn 189.927†	-7.2	-0.0030062	mg/L	0.00004526	-0.0030062	mg/L	0.00004526	1.51%
Ti 334.940†	1308.8	0.0008794	mg/L	0.00001874	0.0008794	mg/L	0.00001874	2.13%
Tl 190.801†	1.2	0.0002367	mg/L	0.00104074	0.0002367	mg/L	0.00104074	439.67%
V 290.880†	167.2	0.0019486	mg/L	0.00003098	0.0019486	mg/L	0.00003098	1.59%
Zn 206.200†	239.8	0.0047981	mg/L	0.00008018	0.0047981	mg/L	0.00008018	1.67%

Sequence No.: 23
Sample ID: 57100-006
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 2/15/2011 6:35:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-006

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1394574.9	103	%	0.4				0.44%
Y 371.029	585737.7	102	%	0.5				0.44%
Ag 328.068†	45.9	0.0007309	mg/L	0.00067161	0.0007309	mg/L	0.00067161	91.89%
Al 308.215†	8562.5	0.286033	mg/L	0.0048568	0.286033	mg/L	0.0048568	1.70%
As 188.979†	-0.1	0.0027574	mg/L	0.00146648	0.0027574	mg/L	0.00146648	53.18%
Ba 233.527†	1752.0	0.0097646	mg/L	0.00003612	0.0097646	mg/L	0.00003612	0.37%
Be 313.107†	30.7	0.0008578	mg/L	0.00001693	0.0008578	mg/L	0.00001693	1.97%
Ca 315.887†	1174784.5	9.62108	mg/L	0.151716	9.62108	mg/L	0.151716	1.58%
Cd 228.802†	-20.4	0.0008193	mg/L	0.00029635	0.0008193	mg/L	0.00029635	36.17%
Co 228.616†	-0.9	0.0008159	mg/L	0.00011993	0.0008159	mg/L	0.00011993	14.70%
Cr 267.716†	91.0	0.0016357	mg/L	0.00002235	0.0016357	mg/L	0.00002235	1.37%
Cu 327.393†	270.5	0.0027885	mg/L	0.00036621	0.0027885	mg/L	0.00036621	13.13%
Fe 273.955†	539.0	0.0423710	mg/L	0.00162935	0.0423710	mg/L	0.00162935	3.85%
K 404.721†	12.4	0.841288	mg/L	2.4004611	0.841288	mg/L	2.4004611	285.33%
Mg 279.077†	1361.4	-0.0812503	mg/L	0.00010812	-0.0812503	mg/L	0.00010812	0.13%
Mn 257.610†	2624.6	0.0058580	mg/L	0.00004370	0.0058580	mg/L	0.00004370	0.75%
Mo 202.031†	20.7	0.0001498	mg/L	0.00025537	0.0001498	mg/L	0.00025537	170.51%
Na 330.237†	1135.4	1.91815	mg/L	0.031194	1.91815	mg/L	0.031194	1.63%
Ni 231.604†	-5.6	-0.0003331	mg/L	0.00002738	-0.0003331	mg/L	0.00002738	8.22%
Pb 220.353†	20.5	0.0014303	mg/L	0.00020201	0.0014303	mg/L	0.00020201	14.12%
Sb 206.836†	-2.6	-0.0007570	mg/L	0.00159061	-0.0007570	mg/L	0.00159061	210.13%
Se 196.026†	-9.5	-0.0014302	mg/L	0.00402245	-0.0014302	mg/L	0.00402245	281.25%
Sn 189.927†	1.7	-0.0006607	mg/L	0.00082933	-0.0006607	mg/L	0.00082933	125.53%
Ti 334.940†	441.4	-0.0000541	mg/L	0.00015743	-0.0000541	mg/L	0.00015743	290.76%
Tl 190.801†	1.1	0.0001440	mg/L	0.00073415	0.0001440	mg/L	0.00073415	509.88%
V 290.880†	-13.3	0.0009165	mg/L	0.00021077	0.0009165	mg/L	0.00021077	23.00%
Zn 206.200†	346.7	0.0071998	mg/L	0.00014451	0.0071998	mg/L	0.00014451	2.01%

Sequence No.: 24
Sample ID: DI BLANK 02/11/2011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 2/15/2011 6:39:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: DI BLANK 02/11/2011

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1379132.0	102	%	0.9				0.89%
Y 371.029	583862.5	102	%	1.0				0.98%
Ag 328.068†	65.8	0.0009153	mg/L	0.00005133	0.0009153	mg/L	0.00005133	5.61%
Al 308.215†	83.1	0.0371851	mg/L	0.00393035	0.0371851	mg/L	0.00393035	10.57%
As 188.979†	-2.2	0.0013400	mg/L	0.00395801	0.0013400	mg/L	0.00395801	295.37%
Ba 233.527†	102.0	0.0008799	mg/L	0.00003639	0.0008799	mg/L	0.00003639	4.14%
Be 313.107†	28.8	0.0008574	mg/L	0.00000122	0.0008574	mg/L	0.00000122	0.14%
Ca 315.887†	34005.3	0.184010	mg/L	0.0056631	0.184010	mg/L	0.0056631	3.08%
Cd 228.802†	1.4	0.0012350	mg/L	0.00005637	0.0012350	mg/L	0.00005637	4.56%
Co 228.616†	5.4	0.0009554	mg/L	0.00003425	0.0009554	mg/L	0.00003425	3.58%
Cr 267.716†	46.9	0.0011675	mg/L	0.00001175	0.0011675	mg/L	0.00001175	1.01%
Cu 327.393†	2308.9	0.0160296	mg/L	0.00007511	0.0160296	mg/L	0.00007511	0.47%
Fe 273.955†	594.4	0.0464897	mg/L	0.00152698	0.0464897	mg/L	0.00152698	3.28%
K 404.721†	33.4	1.31061	mg/L	1.120740	1.31061	mg/L	1.120740	85.51%
Mg 279.077†	218.2	-0.139201	mg/L	0.0049531	-0.139201	mg/L	0.0049531	3.56%
Mn 257.610†	2426.1	0.0054489	mg/L	0.00004515	0.0054489	mg/L	0.00004515	0.83%
Mo 202.031†	8.2	-0.0004652	mg/L	0.00023441	-0.0004652	mg/L	0.00023441	50.39%
Na 330.237†	144.2	1.01666	mg/L	0.026760	1.01666	mg/L	0.026760	2.63%
Ni 231.604†	27.9	0.0002426	mg/L	0.00027193	0.0002426	mg/L	0.00027193	112.10%
Pb 220.353†	-2.4	-0.0002694	mg/L	0.00069136	-0.0002694	mg/L	0.00069136	256.65%
Sb 206.836†	-0.2	0.0005523	mg/L	0.00273256	0.0005523	mg/L	0.00273256	494.80%
Se 196.026†	-5.8	0.0011750	mg/L	0.00315141	0.0011750	mg/L	0.00315141	268.21%
Sn 189.927†	5.8	0.0003233	mg/L	0.00092997	0.0003233	mg/L	0.00092997	287.61%
Ti 334.940†	189.2	-0.0003257	mg/L	0.00002728	-0.0003257	mg/L	0.00002728	8.38%
Tl 190.801†	-0.7	-0.0014612	mg/L	0.00055367	-0.0014612	mg/L	0.00055367	37.89%
V 290.880†	-81.7	0.0005284	mg/L	0.00005760	0.0005284	mg/L	0.00005760	10.90%
Zn 206.200†	588.4	0.0126581	mg/L	0.00018707	0.0126581	mg/L	0.00018707	1.48%

Sequence No.: 25
Sample ID: DI BLANK 02/15/2011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 2/15/2011 6:42:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: DI BLANK 02/15/2011

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1391229.4	103	%	0.4				0.35%
Y 371.029	586473.7	102	%	0.4				0.35%
Ag 328.068†	3.0	0.0003355	mg/L	0.00013156	0.0003355	mg/L	0.00013156	39.21%
Al 308.215†	-23.4	0.0340722	mg/L	0.00845771	0.0340722	mg/L	0.00845771	24.82%
As 188.979†	-0.2	0.0027255	mg/L	0.00222258	0.0027255	mg/L	0.00222258	81.55%
Ba 233.527†	121.7	0.0009863	mg/L	0.00005447	0.0009863	mg/L	0.00005447	5.52%
Be 313.107†	42.3	0.0008611	mg/L	0.00001970	0.0008611	mg/L	0.00001970	2.29%
Ca 315.887†	29641.5	0.147910	mg/L	0.0074121	0.147910	mg/L	0.0074121	5.01%
Cd 228.802†	-9.6	0.0010265	mg/L	0.00000943	0.0010265	mg/L	0.00000943	0.92%
Co 228.616†	1.4	0.0008610	mg/L	0.00029047	0.0008610	mg/L	0.00029047	33.74%
Cr 267.716†	4.4	0.0007175	mg/L	0.00011144	0.0007175	mg/L	0.00011144	15.53%
Cu 327.393†	330.7	0.0033183	mg/L	0.00003848	0.0033183	mg/L	0.00003848	1.16%
Fe 273.955†	316.9	0.0257449	mg/L	0.00295490	0.0257449	mg/L	0.00295490	11.48%
K 404.721†	105.1	2.91406	mg/L	2.490254	2.91406	mg/L	2.490254	85.46%
Mg 279.077†	302.4	-0.134940	mg/L	0.0001075	-0.134940	mg/L	0.0001075	0.08%
Mn 257.610†	2778.5	0.0061783	mg/L	0.00006274	0.0061783	mg/L	0.00006274	1.02%
Mo 202.031†	-0.7	-0.0010643	mg/L	0.00023023	-0.0010643	mg/L	0.00023023	21.63%
Na 330.237†	97.1	0.973743	mg/L	0.0255094	0.973743	mg/L	0.0255094	2.62%
Ni 231.604†	-11.4	-0.0004334	mg/L	0.00009761	-0.0004334	mg/L	0.00009761	22.52%
Pb 220.353†	-0.8	-0.0001494	mg/L	0.00075492	-0.0001494	mg/L	0.00075492	505.35%
Sb 206.836†	-0.0	0.0006274	mg/L	0.00017045	0.0006274	mg/L	0.00017045	27.17%
Se 196.026†	-6.3	0.0007477	mg/L	0.00201484	0.0007477	mg/L	0.00201484	269.49%
Sn 189.927†	6.3	0.0004641	mg/L	0.00062531	0.0004641	mg/L	0.00062531	134.74%
Ti 334.940†	150.7	-0.0003670	mg/L	0.00002893	-0.0003670	mg/L	0.00002893	7.88%
Tl 190.801†	1.4	0.0003276	mg/L	0.00038740	0.0003276	mg/L	0.00038740	118.26%
V 290.880†	-167.5	0.0000382	mg/L	0.00003795	0.0000382	mg/L	0.00003795	99.29%
Zn 206.200†	199.1	0.0037892	mg/L	0.00015902	0.0037892	mg/L	0.00015902	4.20%

Sequence No.: 26
Sample ID: ICSA V-107288
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 2/15/2011 6:46:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107288

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1174382.3	86.6	%	0.18				0.21%
Y 371.029	486795.1	84.9	%	0.15				0.18%
Ag 328.068†	-441.7	-0.0003752	mg/L	0.00088175	-0.0003752	mg/L	0.00088175	235.01%
Al 308.215†	17243778.8	506.135	mg/L	4.1833	506.135	mg/L	4.1833	0.83%
QC value within limits for Al 308.215 Recovery = 101.23%								
As 188.979†	-23.0	0.0164293	mg/L	0.00296829	0.0164293	mg/L	0.00296829	18.07%
Ba 233.527†	810.2	0.0026752	mg/L	0.00045699	0.0026752	mg/L	0.00045699	17.08%
Be 313.107†	-2606.5	0.0016257	mg/L	0.00001256	0.0016257	mg/L	0.00001256	0.77%
Ca 315.887†	58495341.3	483.804	mg/L	3.1737	483.804	mg/L	3.1737	0.66%
QC value within limits for Ca 315.887 Recovery = 96.76%								
Cd 228.802†	242.5	0.0003864	mg/L	0.00013095	0.0003864	mg/L	0.00013095	33.89%
Co 228.616†	-179.7	-0.0008539	mg/L	0.00006700	-0.0008539	mg/L	0.00006700	7.85%
Cr 267.716†	-194.8	0.0053951	mg/L	0.00002471	0.0053951	mg/L	0.00002471	0.46%
Cu 327.393†	1257.3	0.0019735	mg/L	0.00023739	0.0019735	mg/L	0.00023739	12.03%
Fe 273.955†	2515955.7	188.296	mg/L	0.4147	188.296	mg/L	0.4147	0.22%
QC value within limits for Fe 273.955 Recovery = 94.15%								
K 404.721†	-174.3	-3.33331	mg/L	2.042195	-3.33331	mg/L	2.042195	61.27%
Mg 279.077†	9887217.4	500.900	mg/L	3.3908	500.900	mg/L	3.3908	0.68%
QC value within limits for Mg 279.077 Recovery = 100.18%								
Mn 257.610†	-5019.7	-0.0242719	mg/L	0.00002075	-0.0242719	mg/L	0.00002075	0.09%
Mo 202.031†	67.2	0.0040807	mg/L	0.00083853	0.0040807	mg/L	0.00083853	20.55%
Na 330.237†	-17.2	0.869855	mg/L	0.0201702	0.869855	mg/L	0.0201702	2.32%
Ni 231.604†	-3.0	-0.0002857	mg/L	0.00022630	-0.0002857	mg/L	0.00022630	79.22%
Pb 220.353†	-861.1	-0.0002565	mg/L	0.00133264	-0.0002565	mg/L	0.00133264	519.60%
Sb 206.836†	-31.6	0.0169547	mg/L	0.00356031	0.0169547	mg/L	0.00356031	21.00%
Se 196.026†	-49.3	-0.0102648	mg/L	0.01051493	-0.0102648	mg/L	0.01051493	102.44%
Sn 189.927†	4.7	0.0037428	mg/L	0.00315160	0.0037428	mg/L	0.00315160	84.21%
Ti 334.940†	1170.7	0.0007308	mg/L	0.00005919	0.0007308	mg/L	0.00005919	8.10%
Tl 190.801†	-18.8	-0.0015117	mg/L	0.00436745	-0.0015117	mg/L	0.00436745	288.91%
V 290.880†	5090.6	-0.0034154	mg/L	0.00010872	-0.0034154	mg/L	0.00010872	3.18%
Zn 206.200†	239.4	-0.0163331	mg/L	0.00026485	-0.0163331	mg/L	0.00026485	1.62%

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: ICSAB V-106425
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/15/2011 6:51:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-106425

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1168666.3	86.2	%	0.17				0.20%
Y 371.029	484420.7	84.5	%	0.17				0.21%
Ag 328.068†	110198.7	1.02091	mg/L	0.001348	1.02091	mg/L	0.001348	0.13%
QC value within limits for Ag 328.068 Recovery = 102.09%								
Al 308.215†	17094282.9	501.747	mg/L	2.1115	501.747	mg/L	2.1115	0.42%
QC value within limits for Al 308.215 Recovery = 100.35%								
As 188.979†	1339.8	1.00620	mg/L	0.007822	1.00620	mg/L	0.007822	0.78%
QC value within limits for As 188.979 Recovery = 100.62%								
Ba 233.527†	95492.0	0.512508	mg/L	0.0004130	0.512508	mg/L	0.0004130	0.08%
QC value within limits for Ba 233.527 Recovery = 102.50%								
Be 313.107†	1747905.3	0.497315	mg/L	0.0010278	0.497315	mg/L	0.0010278	0.21%
QC value within limits for Be 313.107 Recovery = 99.46%								
Ca 315.887†	57852768.9	478.488	mg/L	1.3626	478.488	mg/L	1.3626	0.28%
QC value within limits for Ca 315.887 Recovery = 95.70%								
Cd 228.802†	53924.4	1.02104	mg/L	0.001991	1.02104	mg/L	0.001991	0.20%
QC value within limits for Cd 228.802 Recovery = 102.10%								
Co 228.616†	19940.1	0.465894	mg/L	0.0006179	0.465894	mg/L	0.0006179	0.13%
QC value within limits for Co 228.616 Recovery = 93.18%								
Cr 267.716†	46241.5	0.493956	mg/L	0.0017417	0.493956	mg/L	0.0017417	0.35%
QC value within limits for Cr 267.716 Recovery = 98.79%								
Cu 327.393†	83257.8	0.528993	mg/L	0.0007247	0.528993	mg/L	0.0007247	0.14%
QC value within limits for Cu 327.393 Recovery = 105.80%								
Fe 273.955†	2496812.4	186.863	mg/L	0.3422	186.863	mg/L	0.3422	0.18%
QC value within limits for Fe 273.955 Recovery = 93.43%								
K 404.721†	-226.4	-4.49833	mg/L	1.521398	-4.49833	mg/L	1.521398	33.82%
Mg 279.077†	9780480.0	495.491	mg/L	1.6813	495.491	mg/L	1.6813	0.34%
QC value within limits for Mg 279.077 Recovery = 99.10%								
Mn 257.610†	232222.2	0.468066	mg/L	0.0008547	0.468066	mg/L	0.0008547	0.18%
QC value within limits for Mn 257.610 Recovery = 93.61%								
Mo 202.031†	70.0	0.0042878	mg/L	0.00009571	0.0042878	mg/L	0.00009571	2.23%
Na 330.237†	751.1	1.56865	mg/L	0.000461	1.56865	mg/L	0.000461	0.03%
Ni 231.604†	53746.9	0.924280	mg/L	0.0024105	0.924280	mg/L	0.0024105	0.26%
QC value within limits for Ni 231.604 Recovery = 92.43%								
Pb 220.353†	11825.1	0.938005	mg/L	0.0001132	0.938005	mg/L	0.0001132	0.01%
QC value within limits for Pb 220.353 Recovery = 93.80%								
Sb 206.836†	1837.6	1.02767	mg/L	0.004494	1.02767	mg/L	0.004494	0.44%
QC value within limits for Sb 206.836 Recovery = 102.77%								
Se 196.026†	1289.0	0.982339	mg/L	0.0013158	0.982339	mg/L	0.0013158	0.13%
QC value within limits for Se 196.026 Recovery = 98.23%								
Sn 189.927†	0.1	0.0023844	mg/L	0.00245370	0.0023844	mg/L	0.00245370	102.91%
Ti 334.940†	1435.8	0.0010161	mg/L	0.00006055	0.0010161	mg/L	0.00006055	5.96%
Tl 190.801†	1048.6	0.929900	mg/L	0.0008367	0.929900	mg/L	0.0008367	0.09%
QC value within limits for Tl 190.801 Recovery = 92.99%								
V 290.880†	90192.1	0.483189	mg/L	0.0006611	0.483189	mg/L	0.0006611	0.14%
QC value within limits for V 290.880 Recovery = 96.64%								
Zn 206.200†	42023.5	0.935785	mg/L	0.0018879	0.935785	mg/L	0.0018879	0.20%
QC value within limits for Zn 206.200 Recovery = 93.58%								

All analyte(s) passed QC.

Sequence No.: 28
Sample ID: CCV V-107291
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 2/15/2011 6:57:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-107291

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1304709.0	96.2	%	0.82				0.85%
Y 371.029	543224.8	94.7	%	0.77				0.81%
Ag 328.068†	10300.2	0.0947825	mg/L	0.00175681	0.0947825	mg/L	0.00175681	1.85%
QC value within limits for Ag 328.068 Recovery = 94.78%								
Al 308.215†	165690.6	4.88646	mg/L	0.090192	4.88646	mg/L	0.090192	1.85%
QC value within limits for Al 308.215 Recovery = 97.73%								
As 188.979†	670.5	0.489320	mg/L	0.0059856	0.489320	mg/L	0.0059856	1.22%
QC value within limits for As 188.979 Recovery = 97.86%								
Ba 233.527†	93649.1	0.504535	mg/L	0.0092887	0.504535	mg/L	0.0092887	1.84%
QC value within limits for Ba 233.527 Recovery = 100.91%								
Be 313.107†	1748651.9	0.495745	mg/L	0.0056498	0.495745	mg/L	0.0056498	1.14%
QC value within limits for Be 313.107 Recovery = 99.15%								
Ca 315.887†	6027496.7	49.7650	mg/L	0.51176	49.7650	mg/L	0.51176	1.03%
QC value within limits for Ca 315.887 Recovery = 99.53%								
Cd 228.802†	26222.6	0.499673	mg/L	0.0102390	0.499673	mg/L	0.0102390	2.05%
QC value within limits for Cd 228.802 Recovery = 99.93%								
Co 228.616†	21657.9	0.503773	mg/L	0.0098249	0.503773	mg/L	0.0098249	1.95%
QC value within limits for Co 228.616 Recovery = 100.75%								
Cr 267.716†	47430.8	0.502247	mg/L	0.0094182	0.502247	mg/L	0.0094182	1.88%
QC value within limits for Cr 267.716 Recovery = 100.45%								
Cu 327.393†	77374.7	0.497374	mg/L	0.0102896	0.497374	mg/L	0.0102896	2.07%
QC value within limits for Cu 327.393 Recovery = 99.47%								
Fe 273.955†	66262.2	4.97470	mg/L	0.081624	4.97470	mg/L	0.081624	1.64%
QC value within limits for Fe 273.955 Recovery = 99.49%								
K 404.721†	2039.9	46.1819	mg/L	1.04132	46.1819	mg/L	1.04132	2.25%
QC value within limits for K 404.721 Recovery = 92.36%								
Mg 279.077†	987314.4	49.8913	mg/L	0.50389	49.8913	mg/L	0.50389	1.01%
QC value within limits for Mg 279.077 Recovery = 99.78%								
Mn 257.610†	240418.9	0.497281	mg/L	0.0089704	0.497281	mg/L	0.0089704	1.80%
QC value within limits for Mn 257.610 Recovery = 99.46%								
Mo 202.031†	7196.6	0.484918	mg/L	0.0058068	0.484918	mg/L	0.0058068	1.20%
QC value within limits for Mo 202.031 Recovery = 96.98%								
Na 330.237†	50190.5	46.5354	mg/L	0.89809	46.5354	mg/L	0.89809	1.93%
QC value within limits for Na 330.237 Recovery = 93.07%								
Ni 231.604†	29507.7	0.507660	mg/L	0.0093679	0.507660	mg/L	0.0093679	1.85%
QC value within limits for Ni 231.604 Recovery = 101.53%								
Pb 220.353†	6734.2	0.499052	mg/L	0.0030425	0.499052	mg/L	0.0030425	0.61%
QC value within limits for Pb 220.353 Recovery = 99.81%								
Sb 206.836†	910.1	0.493186	mg/L	0.0014348	0.493186	mg/L	0.0014348	0.29%
QC value within limits for Sb 206.836 Recovery = 98.64%								
Se 196.026†	652.5	0.490998	mg/L	0.0006204	0.490998	mg/L	0.0006204	0.13%
QC value within limits for Se 196.026 Recovery = 98.20%								
Sn 189.927†	1752.0	0.493254	mg/L	0.0073515	0.493254	mg/L	0.0073515	1.49%
QC value within limits for Sn 189.927 Recovery = 98.65%								
Ti 334.940†	460394.7	0.495006	mg/L	0.0064404	0.495006	mg/L	0.0064404	1.30%
QC value within limits for Ti 334.940 Recovery = 99.00%								
Tl 190.801†	586.9	0.513153	mg/L	0.0020210	0.513153	mg/L	0.0020210	0.39%
QC value within limits for Tl 190.801 Recovery = 102.63%								
V 290.880†	87523.9	0.498698	mg/L	0.0094869	0.498698	mg/L	0.0094869	1.90%
QC value within limits for V 290.880 Recovery = 99.74%								
Zn 206.200†	21940.2	0.497170	mg/L	0.0070209	0.497170	mg/L	0.0070209	1.41%
QC value within limits for Zn 206.200 Recovery = 99.43%								

All analyte(s) passed QC.

Sequence No.: 29
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/15/2011 7:00:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1364519.9	101	%	0.2				0.22%
Y 371.029	577119.8	101	%	0.2				0.18%
Ag 328.068†	41.3	0.0006908	mg/L	0.00059820	0.0006908	mg/L	0.00059820	86.59%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-138.0	0.0306954	mg/L	0.00021959	0.0306954	mg/L	0.00021959	0.72%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.1	0.0020864	mg/L	0.00312620	0.0020864	mg/L	0.00312620	149.84%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	28.9	0.0004870	mg/L	0.00003731	0.0004870	mg/L	0.00003731	7.66%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	179.9	0.0009001	mg/L	0.00000789	0.0009001	mg/L	0.00000789	0.88%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	2046.9	-0.0803660	mg/L	0.00023719	-0.0803660	mg/L	0.00023719	0.30%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-9.5	0.0010276	mg/L	0.00001397	0.0010276	mg/L	0.00001397	1.36%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-5.7	0.0006993	mg/L	0.00004060	0.0006993	mg/L	0.00004060	5.81%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-15.1	0.0005109	mg/L	0.00000917	0.0005109	mg/L	0.00000917	1.79%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	225.4	0.0026453	mg/L	0.00020291	0.0026453	mg/L	0.00020291	7.67%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	72.8	0.0074909	mg/L	0.00060611	0.0074909	mg/L	0.00060611	8.09%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	84.1	2.44411	mg/L	1.320156	2.44411	mg/L	1.320156	54.01%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	100.3	-0.145173	mg/L	0.0067408	-0.145173	mg/L	0.0067408	4.64%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	44.3	0.0005062	mg/L	0.00000085	0.0005062	mg/L	0.00000085	0.17%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.4	-0.0004432	mg/L	0.00000234	-0.0004432	mg/L	0.00000234	0.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-49.7	0.840280	mg/L	0.0126150	0.840280	mg/L	0.0126150	1.50%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	11.9	-0.0000327	mg/L	0.00022001	-0.0000327	mg/L	0.00022001	672.56%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.3	-0.0001063	mg/L	0.00000523	-0.0001063	mg/L	0.00000523	4.92%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.1	0.0006882	mg/L	0.00103570	0.0006882	mg/L	0.00103570	150.50%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.2	0.0045467	mg/L	0.00050532	0.0045467	mg/L	0.00050532	11.11%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	12.2	0.0021274	mg/L	0.00112857	0.0021274	mg/L	0.00112857	53.05%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-25.9	-0.0005571	mg/L	0.00000202	-0.0005571	mg/L	0.00000202	0.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	5.6	0.0040121	mg/L	0.00138394	0.0040121	mg/L	0.00138394	34.49%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-134.7	0.0002268	mg/L	0.00045117	0.0002268	mg/L	0.00045117	198.92%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	8.0	-0.0005635	mg/L	0.00002274	-0.0005635	mg/L	0.00002274	4.04%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

1st Rev analyst cja 02/17/11 V-108610

Analysis Begun

Logged In Analyst: johns
Spectrometer Model: FIMS-100, S/N B050-9550
Technique: AA FIMS-MHS
Autosampler Model: AS-90

Shawn 2/17/11

Sample Information File: C:\data-AA\johns\Sample Information\H12319SP.sif
Batch ID: H12319SP
Results Data Set: H12319SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A)
Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1
Sample ID: Calibration Blank
Analyst:
Autosampler Location: 1
Date Collected: 2/17/2011 10:29:56 AM
Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0000	-0.0000	0.0000	10:30:53	Yes
2		[0.00]	0.0001	0.0005	0.0001	10:31:25	Yes
Mean:		[0.00]	0.0001				
SD:		0.00	0.0000				
%RSD:		0.00	43.76				

Auto-zero performed.

Sequence No.: 2
Sample ID: .2 PPB
Analyst:
Autosampler Location: 2
Date Collected: 2/17/2011 10:31:27 AM
Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0010	0.0044	0.0010	10:32:22	Yes
2		[0.2]	0.0009	0.0025	0.0009	10:32:55	Yes
Mean:		[0.2]	0.0009				
SD:		0.0	0.0001				
%RSD:		0.0	7.91				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00454 Intercept: 0.00000

Sequence No.: 3
Sample ID: .5 PPB
Analyst:
Autosampler Location: 3
Date Collected: 2/17/2011 10:32:56 AM
Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0021	0.0069	0.0022	10:33:51	Yes
2		[0.5]	0.0022	0.0082	0.0023	10:34:23	Yes
Mean:		[0.5]	0.0022				
SD:		0.0	0.0001				
%RSD:		0.0	2.52				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999702 Slope: 0.00429 Intercept: 0.00002

Sequence No.: 4
Sample ID: 1 PPB
Analyst:
Autosampler Location: 4
Date Collected: 2/17/2011 10:34:25 AM
Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0046	0.0138	0.0046	10:35:20	Yes
2	[1]	0.0047	0.0148	0.0047	10:35:53	Yes
Mean:	[1]	0.0046				
SD:	0	0.0001				
%RSD:	0	1.48				

Standard number 3 applied. [1]
Correlation Coef.: 0.999289 Slope: 0.00460 Intercept: -0.00004

Sequence No.: 5 Autosampler Location: 5
Sample ID: 2 PPB Date Collected: 2/17/2011 10:35:54 AM
Analyst: Data Type: Original

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0084	0.0211	0.0084	10:36:49	Yes
2		[2]	0.0085	0.0221	0.0085	10:37:22	Yes
Mean:		[2]	0.0084				
SD:		0	0.0001				
%RSD:		0	0.86				

Standard number 4 applied. [2]
Correlation Coef.: 0.998714 Slope: 0.00423 Intercept: 0.00009

Sequence No.: 6 Autosampler Location: 6
Sample ID: 5 PPB Date Collected: 2/17/2011 10:37:23 AM
Analyst: Data Type: Original

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0225	0.0624	0.0226	10:38:19	Yes
2		[5]	0.0226	0.0629	0.0227	10:38:51	Yes
Mean:		[5]	0.0226				
SD:		0	0.0001				
%RSD:		0	0.35				

Standard number 5 applied. [5]
Correlation Coef.: 0.999548 Slope: 0.00449 Intercept: -0.00008

Sequence No.: 7 Autosampler Location: 7
Sample ID: 10 PPB Date Collected: 2/17/2011 10:38:52 AM
Analyst: Data Type: Original

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0436	0.1208	0.0437	10:39:47	Yes
2		[10]	0.0436	0.1203	0.0436	10:40:20	Yes
Mean:		[10]	0.0436				
SD:		0	0.0000				
%RSD:		0	0.03				

Standard number 6 applied. [10]
Correlation Coef.: 0.999793 Slope: 0.00438 Intercept: 0.00005

Sequence No.: 8 Autosampler Location: 8
Sample ID: 25 PPB Date Collected: 2/17/2011 10:40:21 AM
Analyst: Data Type: Original

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1071	0.2974	0.1071	10:41:16	Yes
2		[25]	0.1063	0.2948	0.1063	10:41:49	Yes
Mean:		[25]	0.1067				
SD:		0	0.0006				
%RSD:		0	0.52				

Standard number 7 applied. [25]
Correlation Coef.: 0.999909 Slope: 0.00427 Intercept: 0.00028

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.067	0.00	43.8
.2 PPB	0.0009	0.2	0.146	0.00	7.9
.5 PPB	0.0022	0.5	0.437	0.00	2.5
1 PPB	0.0046	1.0	1.015	0.00	1.5
2 PPB	0.0084	2.0	1.905	0.00	0.9
5 PPB	0.0226	5.0	5.215	0.00	0.4
10 PPB	0.0436	10.0	10.139	0.00	0.0
25 PPB	0.1067	25.0	24.910	0.00	0.5

Correlation Coef.: 0.999909 Slope: 0.00427 Intercept: 0.00028

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 2/17/2011 10:41:50 AM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.60	20.60	0.0883	0.2431	0.0883	10:42:49	Yes
2	20.67	20.67	0.0886	0.2444	0.0886	10:43:22	Yes
Mean:	20.64	20.64	0.0884				
SD:	0.051	0.051	0.0002				
%RSD:	0.247	0.247	0.25				

QC value within limits for Hg 253.7 Recovery = 103.19%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 2/17/2011 10:43:23 AM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	0.0001	0.0010	0.0001	10:44:19	Yes
2	-0.081	-0.081	-0.0001	-0.0015	0.0000	10:44:52	Yes
Mean:	-0.064	-0.064	0.0000				
SD:	0.024	0.024	0.0001				
%RSD:	37.75	37.75	776.46				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3328 (1) Date Collected: 2/17/2011 10:44:53 AM
Analyst: Data Type: Original

Replicate Data: MB 3328 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.053	-0.053	0.0001	-0.0002	0.0001	10:45:50	Yes
2	-0.036	-0.036	0.0001	0.0017	0.0002	10:46:23	Yes
Mean:	-0.044	-0.044	0.0001				
SD:	0.012	0.012	0.0001				
%RSD:	26.59	26.59	52.53				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3328 Date Collected: 2/17/2011 10:46:24 AM
Analyst: Data Type: Original

Replicate Data: LCSW 3328

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.10	10.10	0.0434	0.1192	0.0435	10:47:20	Yes
2	10.15	10.15	0.0436	0.1195	0.0437	10:47:52	Yes
Mean:	10.13	10.13	0.0435				

SD:	0.039	0.039	0.0002
%RSD:	0.388	0.388	0.39

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCSW MR 3328 Date Collected: 2/17/2011 10:47:53 AM
Analyst: Data Type: Original

Replicate Data: LCSW MR 3328

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.36	10.36	0.0445	0.1231	0.0446	10:48:49	Yes
2	10.49	10.49	0.0451	0.1237	0.0451	10:49:22	Yes
Mean:	10.42	10.42	0.0448				
SD:	0.090	0.090	0.0004				
%RSD:	0.862	0.862	0.86				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 57098-001 Date Collected: 2/17/2011 10:49:23 AM
Analyst: Data Type: Original

Replicate Data: 57098-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.066	-0.066	0.0000	-0.0006	0.0001	10:50:19	Yes
2	-0.047	-0.047	0.0001	0.0006	0.0001	10:50:51	Yes
Mean:	-0.056	-0.056	0.0000				
SD:	0.013	0.013	0.0001				
%RSD:	23.75	23.75	129.84				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 57098-001 MR Date Collected: 2/17/2011 10:50:53 AM
Analyst: Data Type: Original

Replicate Data: 57098-001 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.076	-0.076	-0.0000	-0.0017	0.0000	10:51:48	Yes
2	-0.069	-0.069	-0.0000	-0.0004	0.0000	10:52:21	Yes
Mean:	-0.073	-0.073	-0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	6.675	6.675	77.59				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 57098-001 SPLP SPK Date Collected: 2/17/2011 10:52:22 AM
Analyst: Data Type: Original

Replicate Data: 57098-001 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.335	9.335	0.0401	0.1129	0.0402	10:53:18	Yes
2	9.386	9.386	0.0404	0.1156	0.0404	10:53:50	Yes
Mean:	9.361	9.361	0.0403				
SD:	0.036	0.036	0.0002				
%RSD:	0.386	0.386	0.38				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 57098-005 Date Collected: 2/17/2011 10:53:51 AM
Analyst: Data Type: Original

Replicate Data: 57098-005

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.035	-0.035	0.0001	0.0007	0.0002	10:54:47	Yes
2	-0.031	-0.031	0.0002	0.0009	0.0002	10:55:20	Yes
Mean:	-0.033	-0.033	0.0001				
SD:	0.003	0.003	0.0000				

%RSD: 8.420 8.420 8.43

Sequence No.: 18 Autosampler Location: 18
Sample ID: 57100-001 Date Collected: 2/17/2011 10:55:21 AM
Analyst: Data Type: Original

Replicate Data: 57100-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.086	-0.086	-0.0001	-0.0025	-0.0000	10:56:17	Yes
2	-0.040	-0.040	0.0001	0.0015	0.0002	10:56:50	Yes
Mean:	-0.063	-0.063	0.0000				
SD:	0.033	0.033	0.0001				
%RSD:	52.12	52.12	817.97				

Sequence No.: 19 Autosampler Location: 19
Sample ID: 57100-006 Date Collected: 2/17/2011 10:56:51 AM
Analyst: Data Type: Original

Replicate Data: 57100-006

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.065	-0.065	0.0000	-0.0014	0.0001	10:57:50	Yes
2	-0.057	-0.057	0.0000	0.0003	0.0001	10:58:23	Yes
Mean:	-0.061	-0.061	0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	8.647	8.647	90.40				

Sequence No.: 20 Autosampler Location: 20
Sample ID: DI-2/11 Date Collected: 2/17/2011 10:58:24 AM
Analyst: Data Type: Original

Replicate Data: DI-2/11

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.051	-0.051	0.0001	0.0012	0.0001	10:59:20	Yes
2	0.032	0.032	0.0004	0.0035	0.0005	10:59:52	Yes
Mean:	-0.010	-0.010	0.0002				
SD:	0.059	0.059	0.0003				
%RSD:	619.2	619.2	103.82				

Sequence No.: 21 Autosampler Location: 9
Sample ID: CCV Date Collected: 2/17/2011 10:59:54 AM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.02	10.02	0.0431	0.1222	0.0431	11:00:50	Yes
2	10.02	10.02	0.0431	0.1185	0.0431	11:01:22	Yes
Mean:	10.02	10.02	0.0431				
SD:	0.001	0.001	0.0000				
%RSD:	0.013	0.013	0.01				

QC value within limits for Hg 253.7 Recovery = 100.16%
All analyte(s) passed QC.

Sequence No.: 22 Autosampler Location: 1
Sample ID: CCB Date Collected: 2/17/2011 11:01:23 AM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.013	-0.013	0.0002	0.0017	0.0003	11:02:20	Yes
2	-0.045	-0.045	0.0001	0.0009	0.0002	11:02:52	Yes
Mean:	-0.029	-0.029	0.0002				

SD:	0.023	0.023	0.0001
%RSD:	78.02	78.02	59.74

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 23 **Autosampler Location: 21**
Sample ID: DI-2/15 **Date Collected: 2/17/2011 11:02:54 AM**
Analyst: **Data Type: Original**

Replicate Data: DI-2/15

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.085	-0.085	-0.0001	-0.0015	-0.0000	11:03:50	Yes
2	-0.065	-0.065	0.0000	0.0006	0.0001	11:04:23	Yes
Mean:	-0.075	-0.075	-0.0000				
SD:	0.014	0.014	0.0001				
%RSD:	18.57	18.57	162.14				

Sequence No.: 24 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 2/17/2011 11:04:24 AM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.05	10.05	0.0432	0.1200	0.0433	11:05:21	Yes
2	9.992	9.992	0.0430	0.1161	0.0430	11:05:54	Yes
Mean:	10.02	10.02	0.0431				
SD:	0.041	0.041	0.0002				
%RSD:	0.412	0.412	0.41				

QC value within limits for Hg 253.7 Recovery = 100.21%
All analyte(s) passed QC.

Sequence No.: 25 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/17/2011 11:05:55 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.069	-0.069	-0.0000	-0.0006	0.0001	11:06:51	Yes
2	-0.076	-0.076	-0.0000	0.0000	0.0000	11:07:24	Yes
Mean:	-0.072	-0.072	-0.0000				
SD:	0.005	0.005	0.0000				
%RSD:	7.509	7.509	95.20				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

File SP12334C2 Batch 12334 SPLP

Method: PE2 4300DV AXIAL Page 1 Date: 3/1/2011 12:58:29 PM

Analyst S Rubin 3/1/11

Analysis Begun

Start Time: 3/1/2011 12:55:02 PM Plasma On Time: 3/1/2011 12:11:26 PM
Logged In Analyst: shiamala Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1030901Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12334C2
Results Library: C:\pe\administrator\Results\Results.mdb

Shiam 3/1/11

Method Loaded
Method Name: PE2 4300DV AXIAL Method Last Saved: 2/25/2011 4:01:18 PM
IEC File: IEC092710.iec MSF File:
Method Description: 200.7/6010B

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blk 1 V-108505 Date Collected: 3/1/2011 12:55:02 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Blk 1 V-108505

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1262316.5	3702.72	0.29%	100	%
Y 371.029	504428.1	1362.01	0.27%	100	%
Ag 328.068†	412.7	54.97	13.32%	[0.00]	mg/L
Al 308.215†	21683.4	136.14	0.63%	[0.00]	mg/L
As 188.979†	-18.2	0.22	1.21%	[0.00]	mg/L
Ba 233.527†	-742.5	19.82	2.67%	[0.00]	mg/L
Be 313.107†	-1001.1	4.94	0.49%	[0.00]	mg/L
Ca 315.887†	-72597.4	401.84	0.55%	[0.00]	mg/L
Cd 228.802†	559.6	2.25	0.40%	[0.00]	mg/L
Co 228.616†	101.8	5.99	5.88%	[0.00]	mg/L
Cr 267.716†	332.9	8.91	2.68%	[0.00]	mg/L
Cu 327.393†	-1001.7	98.50	9.83%	[0.00]	mg/L
Fe 273.955†	-3110.7	21.13	0.68%	[0.00]	mg/L
K 404.721†	2229.6	15.70	0.70%	[0.00]	mg/L
Mg 279.077†	-3946.0	40.26	1.02%	[0.00]	mg/L
Mn 257.610†	-784.9	8.98	1.14%	[0.00]	mg/L
Mo 202.031†	56.4	2.82	4.99%	[0.00]	mg/L
Na 330.237†	48117.8	916.55	1.90%	[0.00]	mg/L
Ni 231.604†	176.1	10.19	5.79%	[0.00]	mg/L
Pb 220.353†	-8.9	0.93	10.42%	[0.00]	mg/L
Sb 206.836†	26.0	1.11	4.27%	[0.00]	mg/L
Se 196.026†	36.7	0.23	0.64%	[0.00]	mg/L
Sn 189.927†	15.0	0.32	2.16%	[0.00]	mg/L
Ti 334.940†	1754.4	22.51	1.28%	[0.00]	mg/L
Tl 190.801†	-16.2	1.69	10.48%	[0.00]	mg/L
V 290.880†	8528.2	104.25	1.22%	[0.00]	mg/L
Zn 206.200†	224.2	9.53	4.25%	[0.00]	mg/L

12334

all elements reported

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/1/2011 12:59:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1249537.2	2280.93	0.18%	99.0	%
Y 371.029	497082.2	1187.47	0.24%	98.5	%
As 188.979†	8.3	1.10	13.29%	[0.005]	mg/L
Be 313.107†	10526.8	17.88	0.17%	[0.003]	mg/L
Cd 228.802†	146.6	4.44	3.03%	[0.003]	mg/L
Pb 220.353†	39.4	10.79	27.40%	[0.004]	mg/L
Tl 190.801†	3.9	0.72	18.52%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-106426
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/1/2011 1:03:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-106426

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1199710.1	16093.99	1.34%	95.0	%
Y 371.029	473123.5	6671.88	1.41%	93.8	%
Ag 328.068†	198.5	23.59	11.89%	[0.002]	mg/L
Al 308.215†	5928.9	576.84	9.73%	[0.10]	mg/L
As 188.979†	10.5	2.86	27.28%	[0.010]	mg/L
Ba 233.527†	1479.7	6.55	0.44%	[0.010]	mg/L
Be 313.107†	31587.3	519.05	1.64%	[0.010]	mg/L
Ca 315.887†	106297.8	1050.92	0.99%	[1.0]	mg/L
Cd 228.802†	451.9	32.59	7.21%	[0.010]	mg/L
Co 228.616†	386.0	4.36	1.13%	[0.010]	mg/L
Cr 267.716†	846.0	27.62	3.26%	[0.010]	mg/L
Cu 327.393†	1160.1	43.48	3.75%	[0.010]	mg/L
Fe 273.955†	1027.2	36.34	3.54%	[0.10]	mg/L
K 404.721†	112.5	84.00	74.67%	[1.0]	mg/L
Mg 279.077†	17971.0	244.83	1.36%	[1.0]	mg/L
Mn 257.610†	4326.1	79.55	1.84%	[0.010]	mg/L
Mo 202.031†	148.9	1.80	1.21%	[0.010]	mg/L
Na 330.237†	-1445.0	1418.11	98.14%	[1.0]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Ni 231.604†	520.5	10.95	2.10%	[0.010]	mg/L
Pb 220.353†	102.4	6.83	6.67%	[0.010]	mg/L
Sb 206.836†	19.8	5.62	28.38%	[0.010]	mg/L
Se 196.026†	22.0	0.03	0.15%	[0.010]	mg/L
Sn 189.927†	25.7	3.81	14.80%	[0.010]	mg/L
Ti 334.940†	8183.0	238.88	2.92%	[0.010]	mg/L
Tl 190.801†	7.5	0.97	12.93%	[0.010]	mg/L
V 290.880†	2650.2	238.40	9.00%	[0.010]	mg/L
Zn 206.200†	316.4	19.50	6.16%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/1/2011 1:06:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-106427

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1151604.8	889.69	0.08%	91.2	%
Y 371.029	447386.0	23.00	0.01%	88.7	%
Ag 328.068†	13257.9	124.30	0.94%	[0.10]	mg/L
Al 308.215†	147671.9	460.84	0.31%	[5.0]	mg/L
As 188.979†	680.0	10.22	1.50%	[0.50]	mg/L
Ba 233.527†	80521.0	338.04	0.42%	[0.50]	mg/L
Be 313.107†	1787266.8	26070.98	1.46%	[0.50]	mg/L
Ca 315.887†	5719357.2	70818.97	1.24%	[50]	mg/L
Cd 228.802†	25443.4	57.27	0.23%	[0.50]	mg/L
Co 228.616†	20519.2	79.69	0.39%	[0.50]	mg/L
Cr 267.716†	44182.1	84.57	0.19%	[0.50]	mg/L
Cu 327.393†	76831.7	113.61	0.15%	[0.50]	mg/L
Fe 273.955†	66854.1	147.31	0.22%	[5.0]	mg/L
K 404.721†	1752.3	49.56	2.83%	[50]	mg/L
Mg 279.077†	940530.7	13301.50	1.41%	[50]	mg/L
Mn 257.610†	235133.7	759.44	0.32%	[0.50]	mg/L
Mo 202.031†	7334.4	49.91	0.68%	[0.50]	mg/L
Na 330.237†	42183.2	463.81	1.10%	[50]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Ni 231.604†	27733.4	87.33	0.31%	[0.50]	mg/L
Pb 220.353†	5905.0	26.01	0.44%	[0.50]	mg/L
Sb 206.836†	736.5	3.26	0.44%	[0.50]	mg/L
Se 196.026†	688.6	6.39	0.93%	[0.50]	mg/L
Sn 189.927†	1457.1	6.89	0.47%	[0.50]	mg/L
Ti 334.940†	414708.4	5261.20	1.27%	[0.50]	mg/L
Tl 190.801†	558.5	2.51	0.45%	[0.50]	mg/L
V 290.880†	84945.0	345.41	0.41%	[0.50]	mg/L
Zn 206.200†	19638.4	20.60	0.10%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-108511
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/1/2011 1:10:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-108511

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1121913.1	9100.40	0.81%	88.9	%
Y 371.029	436596.1	3628.15	0.83%	86.6	%
Ag 328.068†	26763.7	338.15	1.26%	[0.20]	mg/L
Al 308.215†	290156.4	4510.72	1.55%	[10]	mg/L
As 188.979†	1378.6	37.61	2.73%	[1.0]	mg/L
Ba 233.527†	159333.5	2727.25	1.71%	[1.0]	mg/L
Be 313.107†	3600149.6	40821.24	1.13%	[1.0]	mg/L
Ca 315.887†	11421058.1	120563.90	1.06%	[100]	mg/L
Cd 228.802†	51546.0	860.33	1.67%	[1.0]	mg/L
Co 228.616†	41009.0	690.86	1.68%	[1.0]	mg/L
Cr 267.716†	88772.5	1564.93	1.76%	[1.0]	mg/L
Cu 327.393†	156225.9	2498.39	1.60%	[1.0]	mg/L
Fe 273.955†	135339.1	2300.53	1.70%	[10]	mg/L
K 404.721†	3330.6	49.06	1.47%	[100]	mg/L
Mg 279.077†	1892089.2	17973.47	0.95%	[100]	mg/L
Mn 257.610†	467500.4	4361.23	0.93%	[1.0]	mg/L
Mo 202.031†	14669.9	270.32	1.84%	[1.0]	mg/L
Na 330.237†	83568.3	1255.40	1.50%	[100]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Ni 231.604†	55189.7	907.56	1.64%	[1.0]	mg/L
Pb 220.353†	12067.6	252.96	2.10%	[1.0]	mg/L
Sb 206.836†	1497.1	40.16	2.68%	[1.0]	mg/L
Se 196.026†	1393.4	19.65	1.41%	[1.0]	mg/L
Sn 189.927†	2893.6	61.34	2.12%	[1.0]	mg/L
Ti 334.940†	829199.1	8651.92	1.04%	[1.0]	mg/L
Tl 190.801†	1099.7	30.71	2.79%	[1.0]	mg/L
V 290.880†	167230.1	2866.83	1.71%	[1.0]	mg/L
Zn 206.200†	39207.1	777.36	1.98%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-54.0	133900	0.00000	0.999989	
Al 308.215	3	Lin, Calc Int	1846.5	28900	0.00000	0.999938	
As 188.979	4	Lin, Calc Int	-1.8	1377	0.00000	0.999976	
Ba 233.527	3	Lin, Calc Int	103.9	159500	0.00000	0.999983	
Be 313.107	4	Lin, Calc Int	-3058.1	3599000	0.00000	0.999994	
Ca 315.887	3	Lin, Calc Int	-1985.6	114300	0.00000	0.999999	
Cd 228.802	4	Lin, Calc Int	-63.4	51490	0.00000	0.999981	
Co 228.616	3	Lin, Calc Int	-8.3	41020	0.00000	1.000000	
Cr 267.716	3	Lin, Calc Int	-56.1	88760	0.00000	0.999997	
Cu 327.393	3	Lin, Calc Int	-415.7	156200	0.00000	0.999967	
Fe 273.955	3	Lin, Calc Int	-296.5	13540	0.00000	0.999982	
K 404.721	3	Lin, Calc Int	51.8	33.03	0.00000	0.999567	
Mg 279.077	3	Lin, Calc Int	-1434.8	18920	0.00000	0.999996	
Mn 257.610	3	Lin, Calc Int	93.4	467900	0.00000	0.999995	
Mo 202.031	3	Lin, Calc Int	0.9	14670	0.00000	1.000000	
Ni 231.604	3	Lin, Calc Int	11.0	55230	0.00000	0.999996	
Pb 220.353	4	Lin, Calc Int	-24.6	12050	0.00000	0.999949	
Sb 206.836	3	Lin, Calc Int	0.0	1492	0.00000	0.999954	
Se 196.026	3	Lin, Calc Int	2.2	1388	0.00000	0.999959	
Sn 189.927	3	Lin, Calc Int	0.4	2897	0.00000	0.999992	
Ti 334.940	3	Lin, Calc Int	-29.6	829300	0.00000	1.000000	
Tl 190.801	4	Lin, Calc Int	-0.5	1104	0.00000	0.999961	
V 290.880	3	Lin, Calc Int	686.0	166900	0.00000	0.999965	
Zn 206.200	3	Lin, Calc Int	-28.0	39250	0.00000	0.999998	

Sequence No.: 6
Sample ID: ICS3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/1/2011 1:15:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-106427

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1166701.5	92.4	%	0.22				0.24%
Y 371.029	456294.2	90.5	%	0.13				0.14%
Ag 328.068†	13049.8	0.0972190	mg/L	0.00109146	0.0972190	mg/L	0.00109146	1.12%
QC value within limits for Ag 328.068 Recovery = 97.22%								
Al 308.215†	145913.7	4.97353	mg/L	0.022759	4.97353	mg/L	0.022759	0.46%
QC value within limits for Al 308.215 Recovery = 99.47%								
As 188.979†	685.5	0.498402	mg/L	0.0040569	0.498402	mg/L	0.0040569	0.81%
QC value within limits for As 188.979 Recovery = 99.68%								
Ba 233.527†	80762.9	0.505492	mg/L	0.0024528	0.505492	mg/L	0.0024528	0.49%
QC value within limits for Ba 233.527 Recovery = 101.10%								
Be 313.107†	1792614.9	0.498696	mg/L	0.0066260	0.498696	mg/L	0.0066260	1.33%
QC value within limits for Be 313.107 Recovery = 99.74%								
Ca 315.887†	5758695.0	50.4132	mg/L	0.71725	50.4132	mg/L	0.71725	1.42%
QC value within limits for Ca 315.887 Recovery = 100.83%								
Cd 228.802†	25353.9	0.493549	mg/L	0.0014459	0.493549	mg/L	0.0014459	0.29%
QC value within limits for Cd 228.802 Recovery = 98.71%								
Co 228.616†	20517.5	0.500865	mg/L	0.0033668	0.500865	mg/L	0.0033668	0.67%
QC value within limits for Co 228.616 Recovery = 100.17%								
Cr 267.716†	44379.7	0.503617	mg/L	0.0022887	0.503617	mg/L	0.0022887	0.45%
QC value within limits for Cr 267.716 Recovery = 100.72%								
Cu 327.393†	76339.5	0.490302	mg/L	0.0023805	0.490302	mg/L	0.0023805	0.49%
QC value within limits for Cu 327.393 Recovery = 98.06%								
Fe 273.955†	66673.3	4.96573	mg/L	0.023090	4.96573	mg/L	0.023090	0.46%
QC value within limits for Fe 273.955 Recovery = 99.31%								
K 404.721†	1684.8	49.4334	mg/L	0.81238	49.4334	mg/L	0.81238	1.64%
QC value within limits for K 404.721 Recovery = 98.87%								
Mg 279.077†	947224.9	50.1591	mg/L	0.66342	50.1591	mg/L	0.66342	1.32%
QC value within limits for Mg 279.077 Recovery = 100.32%								
Mn 257.610†	234372.2	0.498784	mg/L	0.0023407	0.498784	mg/L	0.0023407	0.47%
QC value within limits for Mn 257.610 Recovery = 99.76%								
Mo 202.031†	7421.2	0.504723	mg/L	0.0071062	0.504723	mg/L	0.0071062	1.41%
QC value within limits for Mo 202.031 Recovery = 100.94%								
Na 330.237†	26907.3						423.02	1.57%
Unable to evaluate QC.								
Ni 231.604†	27759.5	0.502744	mg/L	0.0024756	0.502744	mg/L	0.0024756	0.49%
QC value within limits for Ni 231.604 Recovery = 100.55%								
Pb 220.353†	6020.4	0.503104	mg/L	0.0039317	0.503104	mg/L	0.0039317	0.78%
QC value within limits for Pb 220.353 Recovery = 100.62%								
Sb 206.836†	744.7	0.500816	mg/L	0.0068003	0.500816	mg/L	0.0068003	1.36%
QC value within limits for Sb 206.836 Recovery = 100.16%								
Se 196.026†	692.0	0.497456	mg/L	0.0003753	0.497456	mg/L	0.0003753	0.08%
QC value within limits for Se 196.026 Recovery = 99.49%								
Sn 189.927†	1480.2	0.512160	mg/L	0.0027746	0.512160	mg/L	0.0027746	0.54%
QC value within limits for Sn 189.927 Recovery = 102.43%								
Ti 334.940†	416667.7	0.502482	mg/L	0.0078271	0.502482	mg/L	0.0078271	1.56%
QC value within limits for Ti 334.940 Recovery = 100.50%								
Tl 190.801†	563.1	0.512530	mg/L	0.0034460	0.512530	mg/L	0.0034460	0.67%
QC value within limits for Tl 190.801 Recovery = 102.51%								
V 290.880†	84530.6	0.501089	mg/L	0.0020869	0.501089	mg/L	0.0020869	0.42%
QC value within limits for V 290.880 Recovery = 100.22%								
Zn 206.200†	19666.9	0.501402	mg/L	0.0015468	0.501402	mg/L	0.0015468	0.31%
QC value within limits for Zn 206.200 Recovery = 100.28%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 7
Sample ID: ICV V-107292 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/1/2011 1:19:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-107292 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1165531.0	92.3	%	0.61				0.66%
Y 371.029	458886.4	91.0	%	0.54				0.60%
Ag 328.068†	25784.8	0.191721	mg/L	0.0017576	0.191721	mg/L	0.0017576	0.92%
QC value within limits for Ag 328.068 Recovery = 95.86%								
Al 308.215†	294887.7	10.1175	mg/L	0.07887	10.1175	mg/L	0.07887	0.78%
QC value within limits for Al 308.215 Recovery = 101.18%								
As 188.979†	1333.1	0.967992	mg/L	0.0043587	0.967992	mg/L	0.0043587	0.45%
QC value within limits for As 188.979 Recovery = 96.80%								
Ba 233.527†	159356.4	0.998038	mg/L	0.0070924	0.998038	mg/L	0.0070924	0.71%
QC value within limits for Ba 233.527 Recovery = 99.80%								
Be 313.107†	3481493.3	0.967724	mg/L	0.0158131	0.967724	mg/L	0.0158131	1.63%
QC value within limits for Be 313.107 Recovery = 96.77%								
Ca 315.887†	11279366.8	98.7261	mg/L	1.63981	98.7261	mg/L	1.63981	1.66%
QC value within limits for Ca 315.887 Recovery = 98.73%								
Cd 228.802†	50168.1	0.975384	mg/L	0.0062645	0.975384	mg/L	0.0062645	0.64%
QC value within limits for Cd 228.802 Recovery = 97.54%								
Co 228.616†	40208.0	0.981303	mg/L	0.0065271	0.981303	mg/L	0.0065271	0.67%
QC value within limits for Co 228.616 Recovery = 98.13%								
Cr 267.716†	87104.5	0.987794	mg/L	0.0079726	0.987794	mg/L	0.0079726	0.81%
QC value within limits for Cr 267.716 Recovery = 98.78%								
Cu 327.393†	151907.6	0.973044	mg/L	0.0064087	0.973044	mg/L	0.0064087	0.66%
QC value within limits for Cu 327.393 Recovery = 97.30%								
Fe 273.955†	131399.7	9.76482	mg/L	0.073276	9.76482	mg/L	0.073276	0.75%
QC value within limits for Fe 273.955 Recovery = 97.65%								
K 404.721†	3439.9	102.564	mg/L	3.0743	102.564	mg/L	3.0743	3.00%
QC value within limits for K 404.721 Recovery = 102.56%								
Mg 279.077†	1848725.4	97.8246	mg/L	0.53421	97.8246	mg/L	0.53421	0.55%
QC value within limits for Mg 279.077 Recovery = 97.82%								
Mn 257.610†	457692.3	0.974245	mg/L	0.0063197	0.974245	mg/L	0.0063197	0.65%
QC value within limits for Mn 257.610 Recovery = 97.42%								
Mo 202.031†	14412.7	0.980268	mg/L	0.0131619	0.980268	mg/L	0.0131619	1.34%
QC value within limits for Mo 202.031 Recovery = 98.03%								
Na 330.237†	72726.2						1327.51	1.83%
Unable to evaluate QC.								
Ni 231.604†	54006.4	0.978279	mg/L	0.0070231	0.978279	mg/L	0.0070231	0.72%
QC value within limits for Ni 231.604 Recovery = 97.83%								
Pb 220.353†	11883.7	0.991123	mg/L	0.0003955	0.991123	mg/L	0.0003955	0.04%
QC value within limits for Pb 220.353 Recovery = 99.11%								
Sb 206.836†	1469.3	0.988094	mg/L	0.0060111	0.988094	mg/L	0.0060111	0.61%
QC value within limits for Sb 206.836 Recovery = 98.81%								
Se 196.026†	1347.2	0.969936	mg/L	0.0163763	0.969936	mg/L	0.0163763	1.69%
QC value within limits for Se 196.026 Recovery = 96.99%								
Sn 189.927†	2914.1	1.00843	mg/L	0.002105	1.00843	mg/L	0.002105	0.21%
QC value within limits for Sn 189.927 Recovery = 100.84%								
Ti 334.940†	822597.1	0.991980	mg/L	0.0077141	0.991980	mg/L	0.0077141	0.78%
QC value within limits for Ti 334.940 Recovery = 99.20%								
Tl 190.801†	1119.7	1.01861	mg/L	0.010492	1.01861	mg/L	0.010492	1.03%
QC value within limits for Tl 190.801 Recovery = 101.86%								
V 290.880†	164083.9	0.976533	mg/L	0.0066675	0.976533	mg/L	0.0066675	0.68%
QC value within limits for V 290.880 Recovery = 97.65%								
Zn 206.200†	38093.9	0.970520	mg/L	0.0069438	0.970520	mg/L	0.0069438	0.72%
QC value within limits for Zn 206.200 Recovery = 97.05%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 8
Sample ID: ICB V-108505
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/1/2011 1:24:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-108505

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1233407.2	97.7	%	0.56				0.58%
Y 371.029	489948.0	97.1	%	0.68				0.70%
Ag 328.068†	-75.8	-0.0001638	mg/L	0.00034975	-0.0001638	mg/L	0.00034975	213.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	3542.7	0.0586694	mg/L	0.00811994	0.0586694	mg/L	0.00811994	13.84%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.3	0.0003569	mg/L	0.00294553	0.0003569	mg/L	0.00294553	825.41%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-37.2	-0.0008845	mg/L	0.00004372	-0.0008845	mg/L	0.00004372	4.94%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-281.4	0.0007715	mg/L	0.00000800	0.0007715	mg/L	0.00000800	1.04%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-3803.4	-0.0159079	mg/L	0.00535840	-0.0159079	mg/L	0.00535840	33.68%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-48.0	0.0002982	mg/L	0.00014731	0.0002982	mg/L	0.00014731	49.40%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	11.8	0.0004942	mg/L	0.00006986	0.0004942	mg/L	0.00006986	14.14%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.1	0.0006719	mg/L	0.00002280	0.0006719	mg/L	0.00002280	3.39%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-188.9	0.0014525	mg/L	0.00019759	0.0014525	mg/L	0.00019759	13.60%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-221.3	0.0055752	mg/L	0.00110376	0.0055752	mg/L	0.00110376	19.80%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	78.9	0.820562	mg/L	0.0230907	0.820562	mg/L	0.0230907	2.81%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-287.0	0.0606976	mg/L	0.00014283	0.0606976	mg/L	0.00014283	0.24%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	113.4	0.0000407	mg/L	0.00001081	0.0000407	mg/L	0.00001081	26.59%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	16.7	0.0010773	mg/L	0.00071045	0.0010773	mg/L	0.00071045	65.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-23571.1						144.07	0.61%
Unable to evaluate QC.								
Ni 231.604†	23.1	0.0002202	mg/L	0.00016481	0.0002202	mg/L	0.00016481	74.86%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-34.8	-0.0008350	mg/L	0.00066526	-0.0008350	mg/L	0.00066526	79.67%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.0	0.0047102	mg/L	0.00285870	0.0047102	mg/L	0.00285870	60.69%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.8	0.0026269	mg/L	0.00675682	0.0026269	mg/L	0.00675682	257.22%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	6.6	0.0021344	mg/L	0.00007157	0.0021344	mg/L	0.00007157	3.35%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	83.5	0.0001364	mg/L	0.00004598	0.0001364	mg/L	0.00004598	33.70%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.8	-0.0011738	mg/L	0.00040926	-0.0011738	mg/L	0.00040926	34.87%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	1131.0	0.0026643	mg/L	0.00080190	0.0026643	mg/L	0.00080190	30.10%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-75.9	-0.0012209	mg/L	0.00023650	-0.0012209	mg/L	0.00023650	19.37%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 9
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/1/2011 1:28:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1131713.1	89.7	%	0.02				0.02%
Y 371.029	445603.3	88.3	%	0.00				0.00%
Ag 328.068†	-883.2	-0.0029059	mg/L	0.00034772	-0.0029059	mg/L	0.00034772	11.97%
Al 308.215†	14643611.2	506.657	mg/L	3.3925	506.657	mg/L	3.3925	0.67%
QC value within limits for Al 308.215 Recovery = 101.33%								
As 188.979†	-30.4	0.0048613	mg/L	0.00425268	0.0048613	mg/L	0.00425268	87.48%
Ba 233.527†	576.2	0.0010021	mg/L	0.00003499	0.0010021	mg/L	0.00003499	3.49%
Be 313.107†	-2460.4	0.0016352	mg/L	0.00001523	0.0016352	mg/L	0.00001523	0.93%
Ca 315.887†	53681545.3	469.799	mg/L	2.3631	469.799	mg/L	2.3631	0.50%
QC value within limits for Ca 315.887 Recovery = 93.96%								
Cd 228.802†	147.5	-0.0012858	mg/L	0.00028168	-0.0012858	mg/L	0.00028168	21.91%
Co 228.616†	-169.5	-0.0012483	mg/L	0.00024720	-0.0012483	mg/L	0.00024720	19.80%
Cr 267.716†	-215.9	0.0048069	mg/L	0.00000437	0.0048069	mg/L	0.00000437	0.09%
Cu 327.393†	493.6	-0.0012685	mg/L	0.00027918	-0.0012685	mg/L	0.00027918	22.01%
Fe 273.955†	2469488.0	182.628	mg/L	0.5841	182.628	mg/L	0.5841	0.32%
QC value within limits for Fe 273.955 Recovery = 91.31%								
K 404.721†	-513.8	-17.1204	mg/L	0.28960	-17.1204	mg/L	0.28960	1.69%
Mg 279.077†	9188116.9	485.806	mg/L	2.5552	485.806	mg/L	2.5552	0.53%
QC value within limits for Mg 279.077 Recovery = 97.16%								
Mn 257.610†	-4153.1	-0.0229089	mg/L	0.00163790	-0.0229089	mg/L	0.00163790	7.15%
Mo 202.031†	117.7	0.0088689	mg/L	0.00015251	0.0088689	mg/L	0.00015251	1.72%
Na 330.237†	-16456.5						998.56	6.07%
Ni 231.604†	28.6	0.0003244	mg/L	0.00025679	0.0003244	mg/L	0.00025679	79.16%
Pb 220.353†	-829.8	0.0151362	mg/L	0.00128314	0.0151362	mg/L	0.00128314	8.48%
Sb 206.836†	-47.9	0.0467949	mg/L	0.00200421	0.0467949	mg/L	0.00200421	4.28%
Se 196.026†	-17.7	-0.0123030	mg/L	0.00264627	-0.0123030	mg/L	0.00264627	21.51%
Sn 189.927†	-7.0	0.0007761	mg/L	0.00084809	0.0007761	mg/L	0.00084809	109.28%
Ti 334.940†	1040.3	0.0012902	mg/L	0.00006555	0.0012902	mg/L	0.00006555	5.08%
Tl 190.801†	-18.3	-0.0006257	mg/L	0.00354094	-0.0006257	mg/L	0.00354094	565.89%
V 290.880†	5358.0	0.0076491	mg/L	0.00014125	0.0076491	mg/L	0.00014125	1.85%
Zn 206.200†	107.3	-0.0014104	mg/L	0.00005495	-0.0014104	mg/L	0.00005495	3.90%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/1/2011 1:33:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1135674.0	90.0	%	0.02				0.02%
Y 371.029	447111.7	88.6	%	0.07				0.08%
Ag 328.068†	129200.2	0.968412	mg/L	0.0006943	0.968412	mg/L	0.0006943	0.07%
QC value within limits for Ag 328.068 Recovery = 96.84%								
Al 308.215†	14582982.2	504.559	mg/L	3.4714	504.559	mg/L	3.4714	0.69%
QC value within limits for Al 308.215 Recovery = 100.91%								
As 188.979†	1272.6	0.950889	mg/L	0.0092915	0.950889	mg/L	0.0092915	0.98%
QC value within limits for As 188.979 Recovery = 95.09%								
Ba 233.527†	80041.3	0.499077	mg/L	0.0003708	0.499077	mg/L	0.0003708	0.07%
QC value within limits for Ba 233.527 Recovery = 99.82%								
Be 313.107†	1673226.1	0.467263	mg/L	0.0002117	0.467263	mg/L	0.0002117	0.05%
QC value within limits for Be 313.107 Recovery = 93.45%								
Ca 315.887†	53504891.5	468.253	mg/L	3.2192	468.253	mg/L	3.2192	0.69%
QC value within limits for Ca 315.887 Recovery = 93.65%								
Cd 228.802†	49406.7	0.955407	mg/L	0.0009664	0.955407	mg/L	0.0009664	0.10%
QC value within limits for Cd 228.802 Recovery = 95.54%								
Co 228.616†	18567.4	0.455479	mg/L	0.0014660	0.455479	mg/L	0.0014660	0.32%
QC value within limits for Co 228.616 Recovery = 91.10%								
Cr 267.716†	41717.2	0.477567	mg/L	0.0008611	0.477567	mg/L	0.0008611	0.18%
QC value within limits for Cr 267.716 Recovery = 95.51%								
Cu 327.393†	77120.4	0.489284	mg/L	0.0018425	0.489284	mg/L	0.0018425	0.38%
QC value within limits for Cu 327.393 Recovery = 97.86%								
Fe 273.955†	2452999.9	181.410	mg/L	0.0662	181.410	mg/L	0.0662	0.04%
QC value within limits for Fe 273.955 Recovery = 90.70%								
K 404.721†	-563.2	-18.6167	mg/L	2.32058	-18.6167	mg/L	2.32058	12.47%
Mg 279.077†	9152225.1	483.909	mg/L	3.7982	483.909	mg/L	3.7982	0.78%
QC value within limits for Mg 279.077 Recovery = 96.78%								
Mn 257.610†	218464.6	0.452863	mg/L	0.0000814	0.452863	mg/L	0.0000814	0.02%
QC value within limits for Mn 257.610 Recovery = 90.57%								
Mo 202.031†	117.8	0.0088612	mg/L	0.00053725	0.0088612	mg/L	0.00053725	6.06%
Na 330.237†	-20847.9						446.08	2.14%
Ni 231.604†	49250.7	0.891519	mg/L	0.0005078	0.891519	mg/L	0.0005078	0.06%
QC value within limits for Ni 231.604 Recovery = 89.15%								
Pb 220.353†	10321.8	0.940605	mg/L	0.0008159	0.940605	mg/L	0.0008159	0.09%
QC value within limits for Pb 220.353 Recovery = 94.06%								
Sb 206.836†	1439.6	1.04299	mg/L	0.003238	1.04299	mg/L	0.003238	0.31%
QC value within limits for Sb 206.836 Recovery = 104.30%								
Se 196.026†	1264.2	0.911287	mg/L	0.0054010	0.911287	mg/L	0.0054010	0.59%
QC value within limits for Se 196.026 Recovery = 91.13%								
Sn 189.927†	-16.3	-0.0024575	mg/L	0.00069809	-0.0024575	mg/L	0.00069809	28.41%
Ti 334.940†	1318.1	0.0016252	mg/L	0.00006848	0.0016252	mg/L	0.00006848	4.21%
Tl 190.801†	1025.7	0.944892	mg/L	0.0014061	0.944892	mg/L	0.0014061	0.15%
QC value within limits for Tl 190.801 Recovery = 94.49%								
V 290.880†	83525.4	0.475982	mg/L	0.0001507	0.475982	mg/L	0.0001507	0.03%
QC value within limits for V 290.880 Recovery = 95.20%								
Zn 206.200†	35685.5	0.904979	mg/L	0.0020111	0.904979	mg/L	0.0020111	0.22%
QC value within limits for Zn 206.200 Recovery = 90.50%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3350 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 3/1/2011 1:39:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3350 (1)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1293576.2	102	%	0.3				0.32%
Y 371.029	514422.5	102	%	0.3				0.31%
Ag 328.068†	-68.3	-0.0001072	mg/L	0.00033726	-0.0001072	mg/L	0.00033726	314.50%
Al 308.215†	1929.3	0.0028540	mg/L	0.00013417	0.0028540	mg/L	0.00013417	4.70%
As 188.979†	-1.8	-0.0000235	mg/L	0.00190269	-0.0000235	mg/L	0.00190269	>999.9%
Ba 233.527†	133.7	0.0001866	mg/L	0.00005739	0.0001866	mg/L	0.00005739	30.75%
Be 313.107†	-199.3	0.0007944	mg/L	0.00002437	0.0007944	mg/L	0.00002437	3.07%
Ca 315.887†	53177.1	0.482744	mg/L	0.0058622	0.482744	mg/L	0.0058622	1.21%
Cd 228.802†	-74.2	-0.0002096	mg/L	0.00003930	-0.0002096	mg/L	0.00003930	18.75%
Co 228.616†	11.9	0.0004920	mg/L	0.00008164	0.0004920	mg/L	0.00008164	16.59%
Cr 267.716†	35.0	0.0010306	mg/L	0.00014995	0.0010306	mg/L	0.00014995	14.55%
Cu 327.393†	-300.7	0.0007291	mg/L	0.00011152	0.0007291	mg/L	0.00011152	15.30%
Fe 273.955†	127.3	0.0313456	mg/L	0.00007010	0.0313456	mg/L	0.00007010	0.22%
K 404.721†	-36.8	-2.68053	mg/L	1.961248	-2.68053	mg/L	1.961248	73.17%
Mg 279.077†	680.4	0.111826	mg/L	0.0007565	0.111826	mg/L	0.0007565	0.68%
Mn 257.610†	679.9	0.0012500	mg/L	0.00000311	0.0012500	mg/L	0.00000311	0.25%
Mo 202.031†	8.5	0.0005050	mg/L	0.00014603	0.0005050	mg/L	0.00014603	28.92%
Na 330.237†	-32105.2						70.52	0.22%
Ni 231.604†	25.9	0.0002700	mg/L	0.00025160	0.0002700	mg/L	0.00025160	93.18%
Pb 220.353†	-41.9	-0.0014446	mg/L	0.00090472	-0.0014446	mg/L	0.00090472	62.63%
Sb 206.836†	0.4	0.0003125	mg/L	0.00238770	0.0003125	mg/L	0.00238770	764.19%
Se 196.026†	4.0	0.0013133	mg/L	0.00279598	0.0013133	mg/L	0.00279598	212.90%
Sn 189.927†	-1.7	-0.0007310	mg/L	0.00117277	-0.0007310	mg/L	0.00117277	160.43%
Ti 334.940†	316.2	0.0004170	mg/L	0.00000954	0.0004170	mg/L	0.00000954	2.29%
Tl 190.801†	-2.2	-0.0015501	mg/L	0.00199751	-0.0015501	mg/L	0.00199751	128.86%
V 290.880†	433.2	-0.0015181	mg/L	0.00026490	-0.0015181	mg/L	0.00026490	17.45%
Zn 206.200†	185.6	0.0054419	mg/L	0.00007362	0.0054419	mg/L	0.00007362	1.35%

Sequence No.: 12
Sample ID: LCSW
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 3/1/2011 1:42:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1266579.3	100	%	1.3				1.31%
Y 371.029	503267.3	99.8	%	1.17				1.17%
Ag 328.068†	10991.2	0.0819153	mg/L	0.00184064	0.0819153	mg/L	0.00184064	2.25%
Al 308.215†	125627.7	4.27282	mg/L	0.122559	4.27282	mg/L	0.122559	2.87%
As 188.979†	591.5	0.430178	mg/L	0.0046184	0.430178	mg/L	0.0046184	1.07%
Ba 233.527†	73398.0	0.459337	mg/L	0.0108594	0.459337	mg/L	0.0108594	2.36%
Be 313.107†	1537203.9	0.427752	mg/L	0.0079890	0.427752	mg/L	0.0079890	1.87%
Ca 315.887†	5142207.3	45.0182	mg/L	0.81357	45.0182	mg/L	0.81357	1.81%
Cd 228.802†	22003.2	0.428486	mg/L	0.0105026	0.428486	mg/L	0.0105026	2.45%
Co 228.616†	18323.2	0.447315	mg/L	0.0104756	0.447315	mg/L	0.0104756	2.34%
Cr 267.716†	39548.7	0.448860	mg/L	0.0116622	0.448860	mg/L	0.0116622	2.60%
Cu 327.393†	65817.2	0.423055	mg/L	0.0111598	0.423055	mg/L	0.0111598	2.64%
Fe 273.955†	58583.2	4.36578	mg/L	0.103701	4.36578	mg/L	0.103701	2.38%
K 404.721†	1415.2	41.2729	mg/L	4.23850	41.2729	mg/L	4.23850	10.27%
Mg 279.077†	828369.6	43.8749	mg/L	0.80763	43.8749	mg/L	0.80763	1.84%
Mn 257.610†	206308.1	0.439050	mg/L	0.0105213	0.439050	mg/L	0.0105213	2.40%
Mo 202.031†	6622.8	0.450409	mg/L	0.0113786	0.450409	mg/L	0.0113786	2.53%
Na 330.237†	2517.2						888.76	35.31%
Ni 231.604†	24734.6	0.447939	mg/L	0.0115079	0.447939	mg/L	0.0115079	2.57%
Pb 220.353†	5393.1	0.450867	mg/L	0.0096228	0.450867	mg/L	0.0096228	2.13%
Sb 206.836†	667.4	0.448803	mg/L	0.0081416	0.448803	mg/L	0.0081416	1.81%
Se 196.026†	583.7	0.419375	mg/L	0.0133520	0.419375	mg/L	0.0133520	3.18%
Sn 189.927†	1362.3	0.471336	mg/L	0.0113857	0.471336	mg/L	0.0113857	2.42%
Ti 334.940†	372860.8	0.449657	mg/L	0.0084336	0.449657	mg/L	0.0084336	1.88%
Tl 190.801†	510.7	0.464846	mg/L	0.0096145	0.464846	mg/L	0.0096145	2.07%
V 290.880†	73965.6	0.437955	mg/L	0.0117052	0.437955	mg/L	0.0117052	2.67%
Zn 206.200†	17836.5	0.454812	mg/L	0.0114826	0.454812	mg/L	0.0114826	2.52%

Sequence No.: 13
Sample ID: LCSW MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 3/1/2011 1:46:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1281536.5	102	%	0.8				0.79%
Y 371.029	513798.6	102	%	0.7				0.68%
Ag 328.068†	11031.2	0.0822198	mg/L	0.00181743	0.0822198	mg/L	0.00181743	2.21%
Al 308.215†	125398.7	4.26504	mg/L	0.106988	4.26504	mg/L	0.106988	2.51%
As 188.979†	598.7	0.435440	mg/L	0.0051034	0.435440	mg/L	0.0051034	1.17%
Ba 233.527†	74539.7	0.466492	mg/L	0.0104418	0.466492	mg/L	0.0104418	2.24%
Be 313.107†	1554156.1	0.432465	mg/L	0.0055854	0.432465	mg/L	0.0055854	1.29%
Ca 315.887†	5213126.8	45.6388	mg/L	0.53137	45.6388	mg/L	0.53137	1.16%
Cd 228.802†	22341.1	0.435047	mg/L	0.0105330	0.435047	mg/L	0.0105330	2.42%
Co 228.616†	18586.0	0.453705	mg/L	0.0107041	0.453705	mg/L	0.0107041	2.36%
Cr 267.716†	40253.0	0.456768	mg/L	0.0110766	0.456768	mg/L	0.0110766	2.42%
Cu 327.393†	65987.5	0.424138	mg/L	0.0100534	0.424138	mg/L	0.0100534	2.37%
Fe 273.955†	59119.8	4.40573	mg/L	0.102482	4.40573	mg/L	0.102482	2.33%
K 404.721†	1453.2	42.4214	mg/L	1.30262	42.4214	mg/L	1.30262	3.07%
Mg 279.077†	844815.8	44.7442	mg/L	0.53250	44.7442	mg/L	0.53250	1.19%
Mn 257.610†	207531.8	0.441625	mg/L	0.0102365	0.441625	mg/L	0.0102365	2.32%
Mo 202.031†	6530.4	0.444094	mg/L	0.0051797	0.444094	mg/L	0.0051797	1.17%
Na 330.237†	-2791.9						712.20	25.51%
Ni 231.604†	25199.9	0.456359	mg/L	0.0111935	0.456359	mg/L	0.0111935	2.45%
Pb 220.353†	5447.8	0.455378	mg/L	0.0048058	0.455378	mg/L	0.0048058	1.06%
Sb 206.836†	667.5	0.448871	mg/L	0.0062957	0.448871	mg/L	0.0062957	1.40%
Se 196.026†	603.5	0.433613	mg/L	0.0126897	0.433613	mg/L	0.0126897	2.93%
Sn 189.927†	1362.2	0.471307	mg/L	0.0098898	0.471307	mg/L	0.0098898	2.10%
Ti 334.940†	370175.9	0.446419	mg/L	0.0061023	0.446419	mg/L	0.0061023	1.37%
Tl 190.801†	509.7	0.463946	mg/L	0.0044122	0.463946	mg/L	0.0044122	0.95%
V 290.880†	74240.2	0.439571	mg/L	0.0109441	0.439571	mg/L	0.0109441	2.49%
Zn 206.200†	18298.3	0.466580	mg/L	0.0114825	0.466580	mg/L	0.0114825	2.46%

Sequence No.: 14
Sample ID: 57098-010
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 3/1/2011 1:50:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1314384.2	104	%	0.6				0.58%
Y 371.029	532236.3	106	%	0.5				0.52%
Ag 328.068†	-34.4	0.0001441	mg/L	0.00001934	0.0001441	mg/L	0.00001934	13.42%
Al 308.215†	5942.6	0.141691	mg/L	0.0047300	0.141691	mg/L	0.0047300	3.34%
As 188.979†	-1.0	0.0004989	mg/L	0.00014736	0.0004989	mg/L	0.00014736	29.53%
Ba 233.527†	932.9	0.0051953	mg/L	0.00007889	0.0051953	mg/L	0.00007889	1.52%
Be 313.107†	-331.1	0.0007575	mg/L	0.00000355	0.0007575	mg/L	0.00000355	0.47%
Ca 315.887†	703107.5	6.17045	mg/L	0.096388	6.17045	mg/L	0.096388	1.56%
Cd 228.802†	-103.4	-0.0007777	mg/L	0.00006162	-0.0007777	mg/L	0.00006162	7.92%
Co 228.616†	15.2	0.0005779	mg/L	0.00019511	0.0005779	mg/L	0.00019511	33.77%
Cr 267.716†	84.3	0.0015936	mg/L	0.00002266	0.0015936	mg/L	0.00002266	1.42%
Cu 327.393†	-576.1	-0.0011202	mg/L	0.00012398	-0.0011202	mg/L	0.00012398	11.07%
Fe 273.955†	105.3	0.0297587	mg/L	0.00010042	0.0297587	mg/L	0.00010042	0.34%
K 404.721†	-20.1	-2.17707	mg/L	0.113694	-2.17707	mg/L	0.113694	5.22%
Mg 279.077†	2420.0	0.203815	mg/L	0.0018462	0.203815	mg/L	0.0018462	0.91%
Mn 257.610†	910.2	0.0017383	mg/L	0.00000092	0.0017383	mg/L	0.00000092	0.05%
Mo 202.031†	31.0	0.0019010	mg/L	0.00031453	0.0019010	mg/L	0.00031453	16.55%
Na 330.237†	-38495.6						117.61	0.31%
Ni 231.604†	21.6	0.0001947	mg/L	0.00000845	0.0001947	mg/L	0.00000845	4.34%
Pb 220.353†	-42.9	-0.0015221	mg/L	0.00001860	-0.0015221	mg/L	0.00001860	1.22%
Sb 206.836†	2.6	0.0017710	mg/L	0.00087214	0.0017710	mg/L	0.00087214	49.25%
Se 196.026†	8.9	0.0048408	mg/L	0.00387756	0.0048408	mg/L	0.00387756	80.10%
Sn 189.927†	-2.1	-0.0007472	mg/L	0.00040902	-0.0007472	mg/L	0.00040902	54.74%
Ti 334.940†	600.4	0.0007597	mg/L	0.00003120	0.0007597	mg/L	0.00003120	4.11%
Tl 190.801†	-2.6	-0.0018422	mg/L	0.00015557	-0.0018422	mg/L	0.00015557	8.44%
V 290.880†	225.4	-0.0027647	mg/L	0.00036773	-0.0027647	mg/L	0.00036773	13.30%
Zn 206.200†	90.5	0.0030490	mg/L	0.00009599	0.0030490	mg/L	0.00009599	3.15%

Sequence No.: 15
Sample ID: 57098-010 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 3/1/2011 1:53:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1315540.3	104	%	0.7				0.70%
Y 371.029	533043.7	106	%	0.7				0.65%
Ag 328.068†	-114.3	-0.0004522	mg/L	0.00041005	-0.0004522	mg/L	0.00041005	90.67%
Al 308.215†	5426.0	0.123839	mg/L	0.0062816	0.123839	mg/L	0.0062816	5.07%
As 188.979†	-4.0	-0.0016779	mg/L	0.00009723	-0.0016779	mg/L	0.00009723	5.80%
Ba 233.527†	863.1	0.0047581	mg/L	0.00004330	0.0047581	mg/L	0.00004330	0.91%
Be 313.107†	-396.6	0.0007393	mg/L	0.00000433	0.0007393	mg/L	0.00000433	0.59%
Ca 315.887†	681683.7	5.98297	mg/L	0.071976	5.98297	mg/L	0.071976	1.20%
Cd 228.802†	-112.3	-0.0009509	mg/L	0.00016447	-0.0009509	mg/L	0.00016447	17.30%
Co 228.616†	11.0	0.0004738	mg/L	0.00000284	0.0004738	mg/L	0.00000284	0.60%
Cr 267.716†	55.1	0.0012600	mg/L	0.00009668	0.0012600	mg/L	0.00009668	7.67%
Cu 327.393†	-658.4	-0.0016439	mg/L	0.00048559	-0.0016439	mg/L	0.00048559	29.54%
Fe 273.955†	8.4	0.0225932	mg/L	0.00088439	0.0225932	mg/L	0.00088439	3.91%
K 404.721†	23.3	-0.862524	mg/L	3.0270604	-0.862524	mg/L	3.0270604	350.95%
Mg 279.077†	2222.4	0.193356	mg/L	0.0021538	0.193356	mg/L	0.0021538	1.11%
Mn 257.610†	1114.3	0.0021743	mg/L	0.00001071	0.0021743	mg/L	0.00001071	0.49%
Mo 202.031†	16.4	0.0009075	mg/L	0.00007263	0.0009075	mg/L	0.00007263	8.00%
Na 330.237†	-39101.5						173.22	0.44%
Ni 231.604†	21.1	0.0001837	mg/L	0.00000796	0.0001837	mg/L	0.00000796	4.33%
Pb 220.353†	-44.6	-0.0016621	mg/L	0.00141056	-0.0016621	mg/L	0.00141056	84.86%
Sb 206.836†	-0.1	-0.0000347	mg/L	0.00209231	-0.0000347	mg/L	0.00209231	>999.9%
Se 196.026†	4.2	0.0014676	mg/L	0.00055209	0.0014676	mg/L	0.00055209	37.62%
Sn 189.927†	-4.1	-0.0014375	mg/L	0.00077508	-0.0014375	mg/L	0.00077508	53.92%
Ti 334.940†	530.8	0.0006759	mg/L	0.00008535	0.0006759	mg/L	0.00008535	12.63%
Tl 190.801†	-0.9	-0.0003208	mg/L	0.00134127	-0.0003208	mg/L	0.00134127	418.10%
V 290.880†	191.4	-0.0029682	mg/L	0.00066460	-0.0029682	mg/L	0.00066460	22.39%
Zn 206.200†	98.4	0.0032512	mg/L	0.00014903	0.0032512	mg/L	0.00014903	4.58%

Sequence No.: 16
Sample ID: 57098-010 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 3/1/2011 1:57:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 SPLP SPK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1291384.3	102	%	0.1				0.12%
Y 371.029	520836.5	103	%	0.2				0.16%
Ag 328.068†	11314.7	0.0843237	mg/L	0.00023520	0.0843237	mg/L	0.00023520	0.28%
Al 308.215†	132833.8	4.52209	mg/L	0.041062	4.52209	mg/L	0.041062	0.91%
As 188.979†	618.7	0.449837	mg/L	0.0000886	0.449837	mg/L	0.0000886	0.02%
Ba 233.527†	779412.8	4.88441	mg/L	0.064649	4.88441	mg/L	0.064649	1.32%
Be 313.107†	1601621.0	0.445648	mg/L	0.0060862	0.445648	mg/L	0.0060862	1.37%
Ca 315.887†	6057099.1	53.0246	mg/L	0.75065	53.0246	mg/L	0.75065	1.42%
Cd 228.802†	22976.7	0.447389	mg/L	0.0033126	0.447389	mg/L	0.0033126	0.74%
Co 228.616†	19052.9	0.465095	mg/L	0.0028557	0.465095	mg/L	0.0028557	0.61%
Cr 267.716†	41566.4	0.471630	mg/L	0.0034675	0.471630	mg/L	0.0034675	0.74%
Cu 327.393†	67651.6	0.434672	mg/L	0.0033822	0.434672	mg/L	0.0033822	0.78%
Fe 273.955†	60913.9	4.53887	mg/L	0.034400	4.53887	mg/L	0.034400	0.76%
K 404.721†	1416.6	41.3132	mg/L	0.05828	41.3132	mg/L	0.05828	0.14%
Mg 279.077†	875365.3	46.3594	mg/L	0.67550	46.3594	mg/L	0.67550	1.46%
Mn 257.610†	213905.6	0.455181	mg/L	0.0032920	0.455181	mg/L	0.0032920	0.72%
Mo 202.031†	6679.3	0.454070	mg/L	0.0003996	0.454070	mg/L	0.0003996	0.09%
Na 330.237†	-2812.1						412.94	14.68%
Ni 231.604†	25930.7	0.469597	mg/L	0.0025477	0.469597	mg/L	0.0025477	0.54%
Pb 220.353†	58798.0	4.88439	mg/L	0.031400	4.88439	mg/L	0.031400	0.64%
Sb 206.836†	692.0	0.465316	mg/L	0.0007037	0.465316	mg/L	0.0007037	0.15%
Se 196.026†	613.6	0.440895	mg/L	0.0027438	0.440895	mg/L	0.0027438	0.62%
Sn 189.927†	1414.1	0.489369	mg/L	0.0021762	0.489369	mg/L	0.0021762	0.44%
Ti 334.940†	379904.2	0.458150	mg/L	0.0064996	0.458150	mg/L	0.0064996	1.42%
Tl 190.801†	527.5	0.480136	mg/L	0.0008599	0.480136	mg/L	0.0008599	0.18%
V 290.880†	76242.6	0.451527	mg/L	0.0033656	0.451527	mg/L	0.0033656	0.75%
Zn 206.200†	18769.0	0.478593	mg/L	0.0033555	0.478593	mg/L	0.0033555	0.70%

Sequence No.: 17
Sample ID: 57098-010 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 3/1/2011 2:00:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 PS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1292519.3	102	%	0.7				0.68%
Y 371.029	522048.0	103	%	0.6				0.59%
Ag 328.068†	10339.9	0.0770147	mg/L	0.00031438	0.0770147	mg/L	0.00031438	0.41%
Al 308.215†	137853.8	4.69527	mg/L	0.032999	4.69527	mg/L	0.032999	0.70%
As 188.979†	654.1	0.475541	mg/L	0.0066161	0.475541	mg/L	0.0066161	1.39%
Ba 233.527†	810903.9	5.08178	mg/L	0.072878	5.08178	mg/L	0.072878	1.43%
Be 313.107†	1676597.9	0.466472	mg/L	0.0066901	0.466472	mg/L	0.0066901	1.43%
Ca 315.887†	6285293.3	55.0216	mg/L	0.77995	55.0216	mg/L	0.77995	1.42%
Cd 228.802†	23959.1	0.466465	mg/L	0.0023133	0.466465	mg/L	0.0023133	0.50%
Co 228.616†	19817.0	0.483753	mg/L	0.0027108	0.483753	mg/L	0.0027108	0.56%
Cr 267.716†	43232.3	0.490528	mg/L	0.0033068	0.490528	mg/L	0.0033068	0.67%
Cu 327.393†	70262.2	0.451343	mg/L	0.0030507	0.451343	mg/L	0.0030507	0.68%
Fe 273.955†	63190.4	4.70787	mg/L	0.020308	4.70787	mg/L	0.020308	0.43%
K 404.721†	1570.5	45.9723	mg/L	0.69919	45.9723	mg/L	0.69919	1.52%
Mg 279.077†	917758.4	48.6009	mg/L	0.68266	48.6009	mg/L	0.68266	1.40%
Mn 257.610†	222395.8	0.473239	mg/L	0.0016777	0.473239	mg/L	0.0016777	0.35%
Mo 202.031†	7013.6	0.476812	mg/L	0.0051106	0.476812	mg/L	0.0051106	1.07%
Na 330.237†	-1912.0						451.35	23.61%
Ni 231.604†	26883.6	0.486866	mg/L	0.0018155	0.486866	mg/L	0.0018155	0.37%
Pb 220.353†	60357.4	5.01390	mg/L	0.010372	5.01390	mg/L	0.010372	0.21%
Sb 206.836†	725.7	0.487992	mg/L	0.0022953	0.487992	mg/L	0.0022953	0.47%
Se 196.026†	649.7	0.466936	mg/L	0.0016865	0.466936	mg/L	0.0016865	0.36%
Sn 189.927†	1483.5	0.513378	mg/L	0.0058584	0.513378	mg/L	0.0058584	1.14%
Ti 334.940†	395841.1	0.477368	mg/L	0.0072611	0.477368	mg/L	0.0072611	1.52%
Tl 190.801†	563.2	0.512495	mg/L	0.0039140	0.512495	mg/L	0.0039140	0.76%
V 290.880†	79064.8	0.468381	mg/L	0.0022948	0.468381	mg/L	0.0022948	0.49%
Zn 206.200†	19644.2	0.500877	mg/L	0.0015250	0.500877	mg/L	0.0015250	0.30%

Sequence No.: 18
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/1/2011 2:04:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1282971.4	102	%	0.9				0.89%
Y 371.029	518372.1	103	%	0.9				0.85%
Ag 328.068†	12276.7	0.0914645	mg/L	0.00153922	0.0914645	mg/L	0.00153922	1.68%
QC value within limits for Ag 328.068 Recovery = 91.46%								
Al 308.215†	139894.6	4.76561	mg/L	0.103764	4.76561	mg/L	0.103764	2.18%
QC value within limits for Al 308.215 Recovery = 95.31%								
As 188.979†	665.9	0.484160	mg/L	0.0081172	0.484160	mg/L	0.0081172	1.68%
QC value within limits for As 188.979 Recovery = 96.83%								
Ba 233.527†	82410.6	0.515820	mg/L	0.0098724	0.515820	mg/L	0.0098724	1.91%
QC value within limits for Ba 233.527 Recovery = 103.16%								
Be 313.107†	1728217.9	0.480808	mg/L	0.0072563	0.480808	mg/L	0.0072563	1.51%
QC value within limits for Be 313.107 Recovery = 96.16%								
Ca 315.887†	5783957.0	50.6343	mg/L	0.71817	50.6343	mg/L	0.71817	1.42%
QC value within limits for Ca 315.887 Recovery = 101.27%								
Cd 228.802†	24886.1	0.484466	mg/L	0.0097997	0.484466	mg/L	0.0097997	2.02%
QC value within limits for Cd 228.802 Recovery = 96.89%								
Co 228.616†	20416.4	0.498370	mg/L	0.0103273	0.498370	mg/L	0.0103273	2.07%
QC value within limits for Co 228.616 Recovery = 99.67%								
Cr 267.716†	44857.5	0.508914	mg/L	0.0097948	0.508914	mg/L	0.0097948	1.92%
QC value within limits for Cr 267.716 Recovery = 101.78%								
Cu 327.393†	72926.7	0.468458	mg/L	0.0094616	0.468458	mg/L	0.0094616	2.02%
QC value within limits for Cu 327.393 Recovery = 93.69%								
Fe 273.955†	65493.0	4.87846	mg/L	0.092061	4.87846	mg/L	0.092061	1.89%
QC value within limits for Fe 273.955 Recovery = 97.57%								
K 404.721†	1612.1	47.2313	mg/L	2.18319	47.2313	mg/L	2.18319	4.62%
QC value within limits for K 404.721 Recovery = 94.46%								
Mg 279.077†	943447.8	49.9591	mg/L	0.71970	49.9591	mg/L	0.71970	1.44%
QC value within limits for Mg 279.077 Recovery = 99.92%								
Mn 257.610†	229522.2	0.488418	mg/L	0.0094320	0.488418	mg/L	0.0094320	1.93%
QC value within limits for Mn 257.610 Recovery = 97.68%								
Mo 202.031†	7189.6	0.488922	mg/L	0.0060442	0.488922	mg/L	0.0060442	1.24%
QC value within limits for Mo 202.031 Recovery = 97.78%								
Na 330.237†	-1345.0						865.54	64.35%
Unable to evaluate QC.								
Ni 231.604†	27992.8	0.506956	mg/L	0.0092435	0.506956	mg/L	0.0092435	1.82%
QC value within limits for Ni 231.604 Recovery = 101.39%								
Pb 220.353†	6145.6	0.513414	mg/L	0.0040055	0.513414	mg/L	0.0040055	0.78%
QC value within limits for Pb 220.353 Recovery = 102.68%								
Sb 206.836†	748.5	0.503297	mg/L	0.0045158	0.503297	mg/L	0.0045158	0.90%
QC value within limits for Sb 206.836 Recovery = 100.66%								
Se 196.026†	670.8	0.482143	mg/L	0.0062378	0.482143	mg/L	0.0062378	1.29%
QC value within limits for Se 196.026 Recovery = 96.43%								
Sn 189.927†	1500.6	0.519215	mg/L	0.0028631	0.519215	mg/L	0.0028631	0.55%
QC value within limits for Sn 189.927 Recovery = 103.84%								
Ti 334.940†	407520.8	0.491452	mg/L	0.0076844	0.491452	mg/L	0.0076844	1.56%
QC value within limits for Ti 334.940 Recovery = 98.29%								
Tl 190.801†	562.2	0.511685	mg/L	0.0053080	0.511685	mg/L	0.0053080	1.04%
QC value within limits for Tl 190.801 Recovery = 102.34%								
V 290.880†	82015.3	0.486022	mg/L	0.0102412	0.486022	mg/L	0.0102412	2.11%
QC value within limits for V 290.880 Recovery = 97.20%								
Zn 206.200†	20094.4	0.512305	mg/L	0.0104566	0.512305	mg/L	0.0104566	2.04%
QC value within limits for Zn 206.200 Recovery = 102.46%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 19 Autosampler Location: 2
Sample ID: CCB Date Collected: 3/1/2011 2:08:18 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1307138.2	104	%	0.9				0.84%
Y 371.029	531615.7	105	%	0.8				0.78%
Ag 328.068†	-56.2	-0.0000170	mg/L	0.00023835	-0.0000170	mg/L	0.00023835	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	902.8	-0.0326712	mg/L	0.00959225	-0.0326712	mg/L	0.00959225	29.36%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.4	0.0010080	mg/L	0.00141711	0.0010080	mg/L	0.00141711	140.59%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-136.6	-0.0015075	mg/L	0.00016363	-0.0015075	mg/L	0.00016363	10.85%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-298.7	0.0007665	mg/L	0.00002585	0.0007665	mg/L	0.00002585	3.37%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	6323.4	0.0727146	mg/L	0.00677959	0.0727146	mg/L	0.00677959	9.32%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-115.8	-0.0010177	mg/L	0.00011847	-0.0010177	mg/L	0.00011847	11.64%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	24.1	0.0007892	mg/L	0.00005916	0.0007892	mg/L	0.00005916	7.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.7	0.0005931	mg/L	0.00015496	0.0005931	mg/L	0.00015496	26.13%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-857.1	-0.0028267	mg/L	0.00007508	-0.0028267	mg/L	0.00007508	2.66%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-439.0	-0.0105070	mg/L	0.00171906	-0.0105070	mg/L	0.00171906	16.36%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	11.5	-1.21923	mg/L	2.543224	-1.21923	mg/L	2.543224	208.59%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-575.6	0.0454355	mg/L	0.00296687	0.0454355	mg/L	0.00296687	6.53%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-516.4	-0.0013054	mg/L	0.00007826	-0.0013054	mg/L	0.00007826	6.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	12.3	0.0007724	mg/L	0.00019604	0.0007724	mg/L	0.00019604	25.38%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-41391.5						226.69	0.55%
Unable to evaluate QC.								
Ni 231.604†	10.1	-0.0000150	mg/L	0.00011146	-0.0000150	mg/L	0.00011146	742.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-40.8	-0.0013498	mg/L	0.00049053	-0.0013498	mg/L	0.00049053	36.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.9	0.0012608	mg/L	0.00211373	0.0012608	mg/L	0.00211373	167.65%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.4	0.0022996	mg/L	0.00334521	0.0022996	mg/L	0.00334521	145.47%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.2	-0.0002119	mg/L	0.00031690	-0.0002119	mg/L	0.00031690	149.56%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	282.6	0.0003766	mg/L	0.00001227	0.0003766	mg/L	0.00001227	3.26%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.4	-0.0017057	mg/L	0.00042180	-0.0017057	mg/L	0.00042180	24.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	156.9	-0.0031700	mg/L	0.00010439	-0.0031700	mg/L	0.00010439	3.29%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-219.8	-0.0048861	mg/L	0.00004652	-0.0048861	mg/L	0.00004652	0.95%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 20
Sample ID: 57098-010 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 3/1/2011 2:11:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-010 SD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1324177.7	105	%	0.3				0.32%
Y 371.029	538636.4	107	%	0.4				0.34%
Ag 328.068†	-48.6	0.0000398	mg/L	0.00006639	0.0000398	mg/L	0.00006639	166.64%
Al 308.215†	1589.7	-0.0089051	mg/L	0.00346907	-0.0089051	mg/L	0.00346907	38.96%
As 188.979†	-1.1	0.0004334	mg/L	0.00014073	0.0004334	mg/L	0.00014073	32.47%
Ba 233.527†	81.2	-0.0001425	mg/L	0.00006750	-0.0001425	mg/L	0.00006750	47.37%
Be 313.107†	-390.1	0.0007411	mg/L	0.00000172	0.0007411	mg/L	0.00000172	0.23%
Ca 315.887†	141905.5	1.25923	mg/L	0.010886	1.25923	mg/L	0.010886	0.86%
Cd 228.802†	-107.7	-0.0008601	mg/L	0.00000542	-0.0008601	mg/L	0.00000542	0.63%
Co 228.616†	13.7	0.0005364	mg/L	0.00001704	0.0005364	mg/L	0.00001704	3.18%
Cr 267.716†	18.0	0.0008381	mg/L	0.00002552	0.0008381	mg/L	0.00002552	3.05%
Cu 327.393†	-875.1	-0.0029598	mg/L	0.00014941	-0.0029598	mg/L	0.00014941	5.05%
Fe 273.955†	-346.4	-0.0036606	mg/L	0.00216323	-0.0036606	mg/L	0.00216323	59.10%
K 404.721†	-37.9	-2.71378	mg/L	2.831480	-2.71378	mg/L	2.831480	104.34%
Mg 279.077†	-88.8	0.0711695	mg/L	0.00172643	0.0711695	mg/L	0.00172643	2.43%
Mn 257.610†	-290.8	-0.0008241	mg/L	0.00002159	-0.0008241	mg/L	0.00002159	2.62%
Mo 202.031†	12.6	0.0007665	mg/L	0.00018212	0.0007665	mg/L	0.00018212	23.76%
Na 330.237†	-41562.7						40.67	0.10%
Ni 231.604†	17.0	0.0001091	mg/L	0.00010713	0.0001091	mg/L	0.00010713	98.15%
Pb 220.353†	-41.3	-0.0013949	mg/L	0.00020229	-0.0013949	mg/L	0.00020229	14.50%
Sb 206.836†	1.6	0.0010621	mg/L	0.00166971	0.0010621	mg/L	0.00166971	157.21%
Se 196.026†	2.4	0.0001565	mg/L	0.00464228	0.0001565	mg/L	0.00464228	>999.9%
Sn 189.927†	-3.0	-0.0011593	mg/L	0.00102907	-0.0011593	mg/L	0.00102907	88.76%
Ti 334.940†	258.4	0.0003474	mg/L	0.00001400	0.0003474	mg/L	0.00001400	4.03%
Tl 190.801†	-1.0	-0.0003863	mg/L	0.00224948	-0.0003863	mg/L	0.00224948	582.36%
V 290.880†	-18.1	-0.0042189	mg/L	0.00035649	-0.0042189	mg/L	0.00035649	8.45%
Zn 206.200†	-163.7	-0.0034505	mg/L	0.00028022	-0.0034505	mg/L	0.00028022	8.12%

Sequence No.: 21
Sample ID: 57100-011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 3/1/2011 2:15:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-011

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1340124.5	106	%	0.2				0.21%
Y 371.029	546141.6	108	%	0.2				0.14%
Ag 328.068†	-104.8	-0.0003827	mg/L	0.00022833	-0.0003827	mg/L	0.00022833	59.66%
Al 308.215†	5102.7	0.112645	mg/L	0.0035375	0.112645	mg/L	0.0035375	3.14%
As 188.979†	-2.2	-0.0003569	mg/L	0.00114286	-0.0003569	mg/L	0.00114286	320.24%
Ba 233.527†	936.1	0.0052155	mg/L	0.00007783	0.0052155	mg/L	0.00007783	1.49%
Be 313.107†	-359.9	0.0007496	mg/L	0.00000523	0.0007496	mg/L	0.00000523	0.70%
Ca 315.887†	731118.6	6.41559	mg/L	0.074151	6.41559	mg/L	0.074151	1.16%
Cd 228.802†	-125.1	-0.0011991	mg/L	0.00001201	-0.0011991	mg/L	0.00001201	1.00%
Co 228.616†	5.1	0.0003276	mg/L	0.00000599	0.0003276	mg/L	0.00000599	1.83%
Cr 267.716†	209.4	0.0030056	mg/L	0.00007539	0.0030056	mg/L	0.00007539	2.51%
Cu 327.393†	-695.8	-0.0018900	mg/L	0.00083658	-0.0018900	mg/L	0.00083658	44.26%
Fe 273.955†	570.4	0.0640953	mg/L	0.00026741	0.0640953	mg/L	0.00026741	0.42%
K 404.721†	93.1	1.25195	mg/L	4.215558	1.25195	mg/L	4.215558	336.72%
Mg 279.077†	1344.0	0.146921	mg/L	0.0020556	0.146921	mg/L	0.0020556	1.40%
Mn 257.610†	3280.4	0.0068075	mg/L	0.00001756	0.0068075	mg/L	0.00001756	0.26%
Mo 202.031†	21.0	0.0012096	mg/L	0.00039315	0.0012096	mg/L	0.00039315	32.50%
Na 330.237†	-41151.1						75.24	0.18%
Ni 231.604†	40.1	0.0005279	mg/L	0.00008907	0.0005279	mg/L	0.00008907	16.87%
Pb 220.353†	-40.2	-0.0013018	mg/L	0.00087123	-0.0013018	mg/L	0.00087123	66.92%
Sb 206.836†	-0.4	-0.0002685	mg/L	0.00199885	-0.0002685	mg/L	0.00199885	744.42%
Se 196.026†	1.9	-0.0002078	mg/L	0.00057805	-0.0002078	mg/L	0.00057805	278.22%
Sn 189.927†	-1.2	-0.0004166	mg/L	0.00071704	-0.0004166	mg/L	0.00071704	172.13%
Ti 334.940†	910.3	0.0011335	mg/L	0.00007530	0.0011335	mg/L	0.00007530	6.64%
Tl 190.801†	-3.6	-0.0027564	mg/L	0.00004113	-0.0027564	mg/L	0.00004113	1.49%
V 290.880†	-7.9	-0.0041621	mg/L	0.00056932	-0.0041621	mg/L	0.00056932	13.68%
Zn 206.200†	321.7	0.0089386	mg/L	0.00005435	0.0089386	mg/L	0.00005435	0.61%

Sequence No.: 22
Sample ID: EF DI BLANK 2/20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 3/1/2011 2:19:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: EF DI BLANK 2/20

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1346547.7	107	%	0.1				0.08%
Y 371.029	552469.1	110	%	0.0				0.02%
Ag 328.068†	-105.3	-0.0003846	mg/L	0.00011325	-0.0003846	mg/L	0.00011325	29.44%
Al 308.215†	122.1	-0.0596785	mg/L	0.00119139	-0.0596785	mg/L	0.00119139	2.00%
As 188.979†	-3.2	-0.0010638	mg/L	0.00050930	-0.0010638	mg/L	0.00050930	47.88%
Ba 233.527†	-25.4	-0.0008104	mg/L	0.00005285	-0.0008104	mg/L	0.00005285	6.52%
Be 313.107†	-455.3	0.0007232	mg/L	0.00003166	0.0007232	mg/L	0.00003166	4.38%
Ca 315.887†	42643.2	0.390558	mg/L	0.0035119	0.390558	mg/L	0.0035119	0.90%
Cd 228.802†	-118.2	-0.0010634	mg/L	0.00019295	-0.0010634	mg/L	0.00019295	18.14%
Co 228.616†	8.4	0.0004053	mg/L	0.00008923	0.0004053	mg/L	0.00008923	22.02%
Cr 267.716†	25.6	0.0009251	mg/L	0.00009023	0.0009251	mg/L	0.00009023	9.75%
Cu 327.393†	-960.1	-0.0034911	mg/L	0.00059609	-0.0034911	mg/L	0.00059609	17.07%
Fe 273.955†	79.0	0.0277684	mg/L	0.00039950	0.0277684	mg/L	0.00039950	1.44%
K 404.721†	77.0	0.764639	mg/L	1.6779368	0.764639	mg/L	1.6779368	219.44%
Mg 279.077†	75.3	0.0798391	mg/L	0.00210878	0.0798391	mg/L	0.00210878	2.64%
Mn 257.610†	1535.0	0.0030786	mg/L	0.00003204	0.0030786	mg/L	0.00003204	1.04%
Mo 202.031†	6.1	0.0003396	mg/L	0.00016186	0.0003396	mg/L	0.00016186	47.66%
Na 330.237†	-41897.2						149.84	0.36%
Ni 231.604†	28.3	0.0003146	mg/L	0.00001602	0.0003146	mg/L	0.00001602	5.09%
Pb 220.353†	-53.1	-0.0023861	mg/L	0.00040218	-0.0023861	mg/L	0.00040218	16.86%
Sb 206.836†	0.2	0.0001169	mg/L	0.00077723	0.0001169	mg/L	0.00077723	664.94%
Se 196.026†	7.2	0.0036370	mg/L	0.00386810	0.0036370	mg/L	0.00386810	106.35%
Sn 189.927†	-4.4	-0.0016387	mg/L	0.00103445	-0.0016387	mg/L	0.00103445	63.13%
Ti 334.940†	335.5	0.0004403	mg/L	0.00000160	0.0004403	mg/L	0.00000160	0.36%
Tl 190.801†	-1.4	-0.0007925	mg/L	0.00086233	-0.0007925	mg/L	0.00086233	108.81%
V 290.880†	-147.4	-0.0049953	mg/L	0.00044453	-0.0049953	mg/L	0.00044453	8.90%
Zn 206.200†	75.8	0.0026459	mg/L	0.00038537	0.0026459	mg/L	0.00038537	14.56%

Sequence No.: 23 Autosampler Location: 7
Sample ID: ICSA V-107289 Date Collected: 3/1/2011 2:22:40 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1188888.6	94.2	%	0.55				0.58%
Y 371.029	484184.7	96.0	%	0.59				0.62%
Ag 328.068†	-826.6	-0.0024594	mg/L	0.00010260	-0.0024594	mg/L	0.00010260	4.17%
Al 308.215†	14536447.2	502.949	mg/L	1.5350	502.949	mg/L	1.5350	0.31%
QC value within limits for Al 308.215 Recovery = 100.59%								
As 188.979†	-35.5	0.0012133	mg/L	0.00258917	0.0012133	mg/L	0.00258917	213.39%
Ba 233.527†	494.4	0.0004765	mg/L	0.00009543	0.0004765	mg/L	0.00009543	20.03%
Be 313.107†	-2928.0	0.0015146	mg/L	0.00001345	0.0015146	mg/L	0.00001345	0.89%
Ca 315.887†	55251794.0	483.540	mg/L	0.1311	483.540	mg/L	0.1311	0.03%
QC value within limits for Ca 315.887 Recovery = 96.71%								
Cd 228.802†	86.7	-0.0024519	mg/L	0.00038961	-0.0024519	mg/L	0.00038961	15.89%
Co 228.616†	-144.9	-0.0007520	mg/L	0.00006115	-0.0007520	mg/L	0.00006115	8.13%
Cr 267.716†	-251.9	0.0044264	mg/L	0.00013726	0.0044264	mg/L	0.00013726	3.10%
Cu 327.393†	-135.4	-0.0055032	mg/L	0.00006962	-0.0055032	mg/L	0.00006962	1.27%
Fe 273.955†	2485580.5	183.824	mg/L	0.1516	183.824	mg/L	0.1516	0.08%
QC value within limits for Fe 273.955 Recovery = 91.91%								
K 404.721†	-418.0	-14.2198	mg/L	1.79039	-14.2198	mg/L	1.79039	12.59%
Mg 279.077†	9546292.6	504.741	mg/L	0.3118	504.741	mg/L	0.3118	0.06%
QC value within limits for Mg 279.077 Recovery = 100.95%								
Mn 257.610†	-5121.4	-0.0257985	mg/L	0.00016805	-0.0257985	mg/L	0.00016805	0.65%
Mo 202.031†	91.6	0.0066509	mg/L	0.00082649	0.0066509	mg/L	0.00082649	12.43%
Na 330.237†	-39320.1						186.46	0.47%
Ni 231.604†	15.1	0.0000785	mg/L	0.00014745	0.0000785	mg/L	0.00014745	187.84%
Pb 220.353†	-915.0	0.0069290	mg/L	0.00182227	0.0069290	mg/L	0.00182227	26.30%
Sb 206.836†	-46.9	0.0478848	mg/L	0.00232764	0.0478848	mg/L	0.00232764	4.86%
Se 196.026†	-29.5	-0.0202132	mg/L	0.00573138	-0.0202132	mg/L	0.00573138	28.35%
Sn 189.927†	-14.1	-0.0013178	mg/L	0.00066565	-0.0013178	mg/L	0.00066565	50.51%
Ti 334.940†	1357.5	0.0016728	mg/L	0.00005419	0.0016728	mg/L	0.00005419	3.24%
Tl 190.801†	-23.6	-0.0053474	mg/L	0.00275615	-0.0053474	mg/L	0.00275615	51.54%
V 290.880†	4626.2	0.0027126	mg/L	0.00073572	0.0027126	mg/L	0.00073572	27.12%
Zn 206.200†	44.8	-0.0030230	mg/L	0.00003500	-0.0030230	mg/L	0.00003500	1.16%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 8
Date Collected: 3/1/2011 2:28:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1190787.4	94.3	%	0.06				0.07%
Y 371.029	485378.2	96.2	%	0.11				0.12%
Ag 328.068†	126038.7	0.944822	mg/L	0.0025193	0.944822	mg/L	0.0025193	0.27%
QC value within limits for Ag 328.068 Recovery = 94.48%								
Al 308.215†	14421586.9	498.974	mg/L	0.4840	498.974	mg/L	0.4840	0.10%
QC value within limits for Al 308.215 Recovery = 99.79%								
As 188.979†	1294.3	0.966784	mg/L	0.0009315	0.966784	mg/L	0.0009315	0.10%
QC value within limits for As 188.979 Recovery = 96.68%								
Ba 233.527†	82312.6	0.513300	mg/L	0.0008812	0.513300	mg/L	0.0008812	0.17%
QC value within limits for Ba 233.527 Recovery = 102.66%								
Be 313.107†	1687689.4	0.471291	mg/L	0.0003629	0.471291	mg/L	0.0003629	0.08%
QC value within limits for Be 313.107 Recovery = 94.26%								
Ca 315.887†	54887389.6	480.351	mg/L	0.4087	480.351	mg/L	0.4087	0.09%
QC value within limits for Ca 315.887 Recovery = 96.07%								
Cd 228.802†	50083.5	0.968580	mg/L	0.0025047	0.968580	mg/L	0.0025047	0.26%
QC value within limits for Cd 228.802 Recovery = 96.86%								
Co 228.616†	18667.5	0.457786	mg/L	0.0007935	0.457786	mg/L	0.0007935	0.17%
QC value within limits for Co 228.616 Recovery = 91.56%								
Cr 267.716†	43122.1	0.493424	mg/L	0.0005775	0.493424	mg/L	0.0005775	0.12%
QC value within limits for Cr 267.716 Recovery = 98.68%								
Cu 327.393†	76061.0	0.482319	mg/L	0.0011390	0.482319	mg/L	0.0011390	0.24%
QC value within limits for Cu 327.393 Recovery = 96.46%								
Fe 273.955†	2468969.4	182.596	mg/L	0.2919	182.596	mg/L	0.2919	0.16%
QC value within limits for Fe 273.955 Recovery = 91.30%								
K 404.721†	-462.7	-15.5740	mg/L	1.16681	-15.5740	mg/L	1.16681	7.49%
Mg 279.077†	9480554.4	501.266	mg/L	0.2618	501.266	mg/L	0.2618	0.05%
QC value within limits for Mg 279.077 Recovery = 100.25%								
Mn 257.610†	218413.3	0.452006	mg/L	0.0004405	0.452006	mg/L	0.0004405	0.10%
QC value within limits for Mn 257.610 Recovery = 90.40%								
Mo 202.031†	102.4	0.0073678	mg/L	0.00013990	0.0073678	mg/L	0.00013990	1.90%
Na 330.237†	-39400.0						258.15	0.66%
Ni 231.604†	50633.6	0.916557	mg/L	0.0012196	0.916557	mg/L	0.0012196	0.13%
QC value within limits for Ni 231.604 Recovery = 91.66%								
Pb 220.353†	10721.9	0.972333	mg/L	0.0021808	0.972333	mg/L	0.0021808	0.22%
QC value within limits for Pb 220.353 Recovery = 97.23%								
Sb 206.836†	1504.7	1.08717	mg/L	0.003250	1.08717	mg/L	0.003250	0.30%
QC value within limits for Sb 206.836 Recovery = 108.72%								
Se 196.026†	1285.7	0.927517	mg/L	0.0060561	0.927517	mg/L	0.0060561	0.65%
QC value within limits for Se 196.026 Recovery = 92.75%								
Sn 189.927†	-7.1	0.0010663	mg/L	0.00056778	0.0010663	mg/L	0.00056778	53.25%
Ti 334.940†	1548.7	0.0019032	mg/L	0.00002790	0.0019032	mg/L	0.00002790	1.47%
Tl 190.801†	1024.0	0.943456	mg/L	0.0016788	0.943456	mg/L	0.0016788	0.18%
QC value within limits for Tl 190.801 Recovery = 94.35%								
V 290.880†	82839.1	0.471361	mg/L	0.0003990	0.471361	mg/L	0.0003990	0.08%
QC value within limits for V 290.880 Recovery = 94.27%								
Zn 206.200†	37586.2	0.953375	mg/L	0.0011658	0.953375	mg/L	0.0011658	0.12%
QC value within limits for Zn 206.200 Recovery = 95.34%								

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/1/2011 2:33:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1319196.5	105	%	0.9				0.87%
Y 371.029	541208.9	107	%	0.9				0.87%
Ag 328.068†	12076.0	0.0899807	mg/L	0.00058051	0.0899807	mg/L	0.00058051	0.65%
QC value less than the lower limit for Ag 328.068 Recovery = 89.98%								
Al 308.215†	138105.0	4.70399	mg/L	0.074593	4.70399	mg/L	0.074593	1.59%
QC value within limits for Al 308.215 Recovery = 94.08%								
As 188.979†	656.4	0.477302	mg/L	0.0034082	0.477302	mg/L	0.0034082	0.71%
QC value within limits for As 188.979 Recovery = 95.46%								
Ba 233.527†	81886.4	0.512535	mg/L	0.0062181	0.512535	mg/L	0.0062181	1.21%
QC value within limits for Ba 233.527 Recovery = 102.51%								
Be 313.107†	1712823.4	0.476531	mg/L	0.0088916	0.476531	mg/L	0.0088916	1.87%
QC value within limits for Be 313.107 Recovery = 95.31%								
Ca 315.887†	5752119.0	50.3557	mg/L	0.89638	50.3557	mg/L	0.89638	1.78%
QC value within limits for Ca 315.887 Recovery = 100.71%								
Cd 228.802†	24596.7	0.478847	mg/L	0.0060534	0.478847	mg/L	0.0060534	1.26%
QC value within limits for Cd 228.802 Recovery = 95.77%								
Co 228.616†	20148.8	0.491806	mg/L	0.0067401	0.491806	mg/L	0.0067401	1.37%
QC value within limits for Co 228.616 Recovery = 98.36%								
Cr 267.716†	44717.3	0.507263	mg/L	0.0066712	0.507263	mg/L	0.0066712	1.32%
QC value within limits for Cr 267.716 Recovery = 101.45%								
Cu 327.393†	72320.8	0.464584	mg/L	0.0053236	0.464584	mg/L	0.0053236	1.15%
QC value within limits for Cu 327.393 Recovery = 92.92%								
Fe 273.955†	64584.6	4.81128	mg/L	0.069081	4.81128	mg/L	0.069081	1.44%
QC value within limits for Fe 273.955 Recovery = 96.23%								
K 404.721†	1664.3	48.8136	mg/L	0.48856	48.8136	mg/L	0.48856	1.00%
QC value within limits for K 404.721 Recovery = 97.63%								
Mg 279.077†	939559.8	49.7534	mg/L	0.90648	49.7534	mg/L	0.90648	1.82%
QC value within limits for Mg 279.077 Recovery = 99.51%								
Mn 257.610†	225857.0	0.480587	mg/L	0.0062369	0.480587	mg/L	0.0062369	1.30%
QC value within limits for Mn 257.610 Recovery = 96.12%								
Mo 202.031†	7000.0	0.476000	mg/L	0.0087305	0.476000	mg/L	0.0087305	1.83%
QC value within limits for Mo 202.031 Recovery = 95.20%								
Na 330.237†	-3482.7						932.25	26.77%
Unable to evaluate QC.								
Ni 231.604†	27739.6	0.502363	mg/L	0.0069023	0.502363	mg/L	0.0069023	1.37%
QC value within limits for Ni 231.604 Recovery = 100.47%								
Pb 220.353†	6095.0	0.509169	mg/L	0.0072612	0.509169	mg/L	0.0072612	1.43%
QC value within limits for Pb 220.353 Recovery = 101.83%								
Sb 206.836†	750.5	0.504665	mg/L	0.0072067	0.504665	mg/L	0.0072067	1.43%
QC value within limits for Sb 206.836 Recovery = 100.93%								
Se 196.026†	659.1	0.473754	mg/L	0.0075395	0.473754	mg/L	0.0075395	1.59%
QC value within limits for Se 196.026 Recovery = 94.75%								
Sn 189.927†	1486.8	0.514436	mg/L	0.0053996	0.514436	mg/L	0.0053996	1.05%
QC value within limits for Sn 189.927 Recovery = 102.89%								
Ti 334.940†	406242.4	0.489911	mg/L	0.0095804	0.489911	mg/L	0.0095804	1.96%
QC value within limits for Ti 334.940 Recovery = 97.98%								
Tl 190.801†	549.7	0.500290	mg/L	0.0067719	0.500290	mg/L	0.0067719	1.35%
QC value within limits for Tl 190.801 Recovery = 100.06%								
V 290.880†	80542.7	0.477205	mg/L	0.0067669	0.477205	mg/L	0.0067669	1.42%
QC value within limits for V 290.880 Recovery = 95.44%								
Zn 206.200†	19897.6	0.507300	mg/L	0.0059802	0.507300	mg/L	0.0059802	1.18%
QC value within limits for Zn 206.200 Recovery = 101.46%								

QC Failed. Continue with analysis.

Sequence No.: 26
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/1/2011 2:37:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1355237.4	107	%	0.0				0.00%
Y 371.029	560276.7	111	%	0.1				0.09%
Ag 328.068†	-101.1	-0.0003525	mg/L	0.00047094	-0.0003525	mg/L	0.00047094	133.61%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-353.4	-0.0761386	mg/L	0.00171438	-0.0761386	mg/L	0.00171438	2.25%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.2	0.0014453	mg/L	0.00054641	0.0014453	mg/L	0.00054641	37.81%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-111.5	-0.0013498	mg/L	0.00006144	-0.0013498	mg/L	0.00006144	4.55%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-260.5	0.0007772	mg/L	0.00001730	0.0007772	mg/L	0.00001730	2.23%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	11293.6	0.116210	mg/L	0.0032976	0.116210	mg/L	0.0032976	2.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-121.3	-0.0011240	mg/L	0.00007809	-0.0011240	mg/L	0.00007809	6.95%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	12.0	0.0004951	mg/L	0.00012293	0.0004951	mg/L	0.00012293	24.83%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-14.8	0.0004667	mg/L	0.00009350	0.0004667	mg/L	0.00009350	20.03%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-957.5	-0.0034697	mg/L	0.00055307	-0.0034697	mg/L	0.00055307	15.94%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-364.0	-0.0049651	mg/L	0.00026517	-0.0049651	mg/L	0.00026517	5.34%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	58.0	0.189417	mg/L	1.6456560	0.189417	mg/L	1.6456560	868.80%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-401.0	0.0546605	mg/L	0.00444992	0.0546605	mg/L	0.00444992	8.14%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-581.2	-0.0014441	mg/L	0.00003867	-0.0014441	mg/L	0.00003867	2.68%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	11.0	0.0006800	mg/L	0.00000835	0.0006800	mg/L	0.00000835	1.23%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	-43324.0						113.12	0.26%
Unable to evaluate QC.								
Ni 231.604†	20.6	0.0001759	mg/L	0.00018503	0.0001759	mg/L	0.00018503	105.18%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-62.2	-0.0031428	mg/L	0.00091188	-0.0031428	mg/L	0.00091188	29.02%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.4	-0.0002546	mg/L	0.00032686	-0.0002546	mg/L	0.00032686	128.36%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.5	0.0009362	mg/L	0.00527769	0.0009362	mg/L	0.00527769	563.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.4	-0.0000037	mg/L	0.00139261	-0.0000037	mg/L	0.00139261	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	225.5	0.0003077	mg/L	0.00006067	0.0003077	mg/L	0.00006067	19.72%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.8	-0.0002146	mg/L	0.00102665	-0.0002146	mg/L	0.00102665	478.32%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-314.3	-0.0059931	mg/L	0.00035576	-0.0059931	mg/L	0.00035576	5.94%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-212.8	-0.0047060	mg/L	0.00019914	-0.0047060	mg/L	0.00019914	4.23%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Method: HGCV2 SPLP (7470A) Page 1 Date: 2/25/2011 12:11:53 PM

1st RCV cja 2/25/11 V-109185

Analysis Begun

Logged In Analyst: johns
Spectrometer Model: FIMS-100, S/N B050-9550
Technique: AA FIMS-MHS
Autosampler Model: AS-90

2/25/11

Sample Information File: C:\data-AA\johns\Sample Information\H12334SP.sif
Batch ID: H12334SP
Results Data Set: H12334SPb
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A)
Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1
Sample ID: Calibration Blank
Analyst:
Autosampler Location: 1
Date Collected: 2/25/2011 12:06:28 PM
Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0002	0.0011	0.0002	12:07:24	Yes
2		[0.00]	0.0001	0.0005	0.0001	12:07:57	Yes
Mean:		[0.00]	0.0001				
SD:		0.00	0.0000				
%RSD:		0.00	19.60				

Auto-zero performed.

Sequence No.: 2
Sample ID: .2 PPB
Analyst:
Autosampler Location: 2
Date Collected: 2/25/2011 12:07:58 PM
Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0009	0.0020	0.0010	12:08:54	Yes
2		[0.2]	0.0010	0.0035	0.0011	12:09:26	Yes
Mean:		[0.2]	0.0009				
SD:		0.0	0.0001				
%RSD:		0.0	6.32				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00464 Intercept: 0.00000

Sequence No.: 3
Sample ID: .5 PPB
Analyst:
Autosampler Location: 3
Date Collected: 2/25/2011 12:09:28 PM
Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0025	0.0074	0.0026	12:10:23	Yes
2		[0.5]	0.0025	0.0083	0.0026	12:10:55	Yes
Mean:		[0.5]	0.0025				
SD:		0.0	0.0000				
%RSD:		0.0	0.11				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999625 Slope: 0.00495 Intercept: -0.00002

Sequence No.: 4
Sample ID: 1 PPB
Analyst:
Autosampler Location: 4
Date Collected: 2/25/2011 12:10:57 PM
Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0048	0.0130	0.0050	12:11:52	Yes
2	[1]	0.0049	0.0136	0.0050	12:12:24	Yes
Mean:	[1]	0.0049				
SD:	0	0.0000				
%RSD:	0	0.77				

Standard number 3 applied. [1]
Correlation Coef.: 0.999891 Slope: 0.00489 Intercept: -0.00001

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 2/25/2011 12:12:26 PM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0100	0.0282	0.0101	12:13:22	Yes
2		[2]	0.0100	0.0274	0.0101	12:13:54	Yes
Mean:		[2]	0.0100				
SD:		0	0.0000				
%RSD:		0	0.11				

Standard number 4 applied. [2]
Correlation Coef.: 0.999917 Slope: 0.00499 Intercept: -0.00005

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 2/25/2011 12:13:55 PM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0258	0.0716	0.0260	12:14:51	Yes
2		[5]	0.0255	0.0694	0.0257	12:15:24	Yes
Mean:		[5]	0.0257				
SD:		0	0.0002				
%RSD:		0	0.75				

Standard number 5 applied. [5]
Correlation Coef.: 0.999915 Slope: 0.00515 Intercept: -0.00014

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 2/25/2011 12:15:25 PM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0516	0.1405	0.0518	12:16:20	Yes
2		[10]	0.0518	0.1426	0.0519	12:16:53	Yes
Mean:		[10]	0.0517				
SD:		0	0.0001				
%RSD:		0	0.23				

Standard number 6 applied. [10]
Correlation Coef.: 0.999975 Slope: 0.00518 Intercept: -0.00018

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 2/25/2011 12:16:54 PM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1258	0.3453	0.1259	12:17:50	Yes
2		[25]	0.1251	0.3428	0.1253	12:18:22	Yes
Mean:		[25]	0.1255				
SD:		0	0.0005				
%RSD:		0	0.37				

Standard number 7 applied. [25]
Correlation Coef.: 0.999917 Slope: 0.00503 Intercept: 0.00014

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.027	0.00	19.6
.2 PPB	0.0009	0.2	0.157	0.00	6.3
.5 PPB	0.0025	0.5	0.463	0.00	0.1
1 PPB	0.0049	1.0	0.940	0.00	0.8
2 PPB	0.0100	2.0	1.955	0.00	0.1
5 PPB	0.0257	5.0	5.074	0.00	0.7
10 PPB	0.0517	10.0	10.244	0.00	0.2
25 PPB	0.1255	25.0	24.895	0.00	0.4

Correlation Coef.: 0.999917 Slope: 0.00503 Intercept: 0.00014

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 2/25/2011 12:18:24 PM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.58	20.58	0.1038	0.2859	0.1039	12:19:22	Yes
2	20.67	20.67	0.1042	0.2848	0.1043	12:19:54	Yes
Mean:	20.63	20.63	0.1040				
SD:	0.060	0.060	0.0003				
%RSD:	0.292	0.292	0.29				

QC value within limits for Hg 253.7 Recovery = 103.13%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 2/25/2011 12:19:56 PM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	-0.0002	0.0000	12:20:52	Yes
2	-0.056	-0.056	-0.0001	-0.0010	-0.0000	12:21:24	Yes
Mean:	-0.052	-0.052	-0.0001				
SD:	0.005	0.005	0.0000				
%RSD:	10.45	10.45	22.06				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3350 (1) Date Collected: 2/25/2011 12:21:26 PM
Analyst: Data Type: Original

Replicate Data: MB 3350 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	-0.0001	0.0003	0.0000	12:22:22	Yes
2	-0.053	-0.053	-0.0001	-0.0006	0.0000	12:22:55	Yes
Mean:	-0.048	-0.048	-0.0001				
SD:	0.006	0.006	0.0000				
%RSD:	12.15	12.15	27.95				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3350 Date Collected: 2/25/2011 12:22:56 PM
Analyst: Data Type: Original

Replicate Data: LCSW 3350

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.60	10.60	0.0535	0.1466	0.0536	12:23:51	Yes
2	10.23	10.23	0.0517	0.1420	0.0518	12:24:24	Yes
Mean:	10.42	10.42	0.0526				

SD:	0.260	0.260	0.0013
%RSD:	2.498	2.498	2.49

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCSW MR 3350 Date Collected: 2/25/2011 12:24:25 PM
Analyst: Data Type: Original

Replicate Data: LCSW MR 3350

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.63	10.63	0.0536	0.1470	0.0538	12:25:21	Yes
2	10.44	10.44	0.0527	0.1442	0.0528	12:25:54	Yes
Mean:	10.53	10.53	0.0532				
SD:	0.134	0.134	0.0007				
%RSD:	1.276	1.276	1.27				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 57098-010 Date Collected: 2/25/2011 12:25:55 PM
Analyst: Data Type: Original

Replicate Data: 57098-010

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0001	-0.0002	0.0000	12:26:51	Yes
2	-0.042	-0.042	-0.0001	0.0004	0.0001	12:27:23	Yes
Mean:	-0.044	-0.044	-0.0001				
SD:	0.003	0.003	0.0000				
%RSD:	6.430	6.430	17.11				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 57098-010 MR Date Collected: 2/25/2011 12:27:25 PM
Analyst: Data Type: Original

Replicate Data: 57098-010 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0001	-0.0007	0.0000	12:28:20	Yes
2	-0.049	-0.049	-0.0001	-0.0002	0.0000	12:28:53	Yes
Mean:	-0.051	-0.051	-0.0001				
SD:	0.003	0.003	0.0000				
%RSD:	6.491	6.491	13.85				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 57098-010 SPLP SPK Date Collected: 2/25/2011 12:28:54 PM
Analyst: Data Type: Original

Replicate Data: 57098-010 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.44	10.44	0.0527	0.1440	0.0528	12:29:50	Yes
2	10.31	10.31	0.0521	0.1420	0.0522	12:30:22	Yes
Mean:	10.38	10.38	0.0524				
SD:	0.089	0.089	0.0004				
%RSD:	0.858	0.858	0.86				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 57100-011 Date Collected: 2/25/2011 12:30:24 PM
Analyst: Data Type: Original

Replicate Data: 57100-011

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.033	-0.033	-0.0000	0.0009	0.0001	12:31:19	Yes
2	-0.037	-0.037	-0.0000	0.0008	0.0001	12:31:51	Yes
Mean:	-0.035	-0.035	-0.0000				
SD:	0.003	0.003	0.0000				

%RSD: 8.933 8.933 40.66

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK 2/20 **Date Collected: 2/25/2011 12:31:53 PM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK 2/20

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	-0.0000	0.0000	12:32:48	Yes
2	-0.050	-0.050	-0.0001	-0.0005	0.0000	12:33:21	Yes
Mean:	-0.049	-0.049	-0.0001				
SD:	0.002	0.002	0.0000				
%RSD:	3.651	3.651	8.25				

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 2/25/2011 12:33:22 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.44	10.44	0.0527	0.1433	0.0528	12:34:21	Yes
2	10.40	10.40	0.0525	0.1437	0.0526	12:34:53	Yes
Mean:	10.42	10.42	0.0526				
SD:	0.027	0.027	0.0001				
%RSD:	0.255	0.255	0.25				

QC value within limits for Hg 253.7 Recovery = 104.23%
All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/25/2011 12:34:54 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.050	-0.050	-0.0001	-0.0004	0.0000	12:35:50	Yes
2	-0.044	-0.044	-0.0001	0.0000	0.0000	12:36:22	Yes
Mean:	-0.047	-0.047	-0.0001				
SD:	0.004	0.004	0.0000				
%RSD:	8.159	8.159	19.52				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

File SP12358B2 Batch 12358 SPLP 0710 reset

Method: PE2 4300DV AXIAL Page 1 Date: 3/3/2011 3:13:35 PM

Analyst S Bh 3/3/11

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Analysis Begun

Start Time: 3/3/2011 3:10:07 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 4300 DV, S/N 077N1030901
Plasma On Time: 3/3/2011 8:17:44 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12358B2
Results Library: C:\pe\administrator\Results\Results.mdb

3/17/11

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Method Loaded
Method Name: PE2 4300DV AXIAL
IEC File: IEC092710.iec
Method Description: 200.7/6010B
Method Last Saved: 2/25/2011 4:01:18 PM
MSF File:

==========

Sequence No.: 1
Sample ID: Calib Blk 1 V-108505
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 3/3/2011 3:10:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-108505

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1326180.6	6628.91	0.50%	100	%
Y 371.029	560032.0	2904.33	0.52%	100	%
Ag 328.068†	361.2	62.80	17.39%	[0.00]	mg/L
Al 308.215†	17929.9	120.54	0.67%	[0.00]	mg/L
As 188.979†	-17.1	1.95	11.41%	[0.00]	mg/L
Ba 233.527†	-969.3	1.62	0.17%	[0.00]	mg/L
Be 313.107†	-944.7	125.00	13.23%	[0.00]	mg/L
Ca 315.887†	-39541.0	304.58	0.77%	[0.00]	mg/L
Cd 228.802†	420.8	8.89	2.11%	[0.00]	mg/L
Co 228.616†	119.4	2.70	2.26%	[0.00]	mg/L
Cr 267.716†	332.4	3.95	1.19%	[0.00]	mg/L
Cu 327.393†	-2133.2	33.31	1.56%	[0.00]	mg/L
Fe 273.955†	-4083.6	32.73	0.80%	[0.00]	mg/L
K 404.721†	2535.1	66.75	2.63%	[0.00]	mg/L
Mg 279.077†	-4995.5	57.29	1.15%	[0.00]	mg/L
Mn 257.610†	-1872.8	7.36	0.39%	[0.00]	mg/L
Mo 202.031†	64.1	11.72	18.28%	[0.00]	mg/L
Na 330.237†	-99.2	29.16	29.39%	[0.00]	mg/L
Ni 231.604†	298.1	8.64	2.90%	[0.00]	mg/L
Pb 220.353†	-104.8	3.01	2.87%	[0.00]	mg/L
Sb 206.836†	23.0	2.76	11.98%	[0.00]	mg/L
Se 196.026†	39.2	3.94	10.05%	[0.00]	mg/L
Sn 189.927†	10.5	3.27	31.25%	[0.00]	mg/L
Ti 334.940†	2258.9	35.42	1.57%	[0.00]	mg/L
Tl 190.801†	-17.8	0.84	4.72%	[0.00]	mg/L
V 290.880†	6790.3	105.47	1.55%	[0.00]	mg/L
Zn 206.200†	-82.3	4.85	5.90%	[0.00]	mg/L

reset 12358

all elements reported

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/3/2011 3:14:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1352037.6	18935.23	1.40%	102	%
Y 371.029	570181.2	7413.94	1.30%	102	%
As 188.979†	12.7	3.96	31.13%	[0.005]	mg/L
Be 313.107†	11395.6	218.45	1.92%	[0.003]	mg/L
Cd 228.802†	177.2	12.13	6.84%	[0.003]	mg/L
Pb 220.353†	58.6	2.14	3.65%	[0.004]	mg/L
Tl 190.801†	7.7	0.65	8.42%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-106426
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/3/2011 3:18:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-106426

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1340613.3	14359.85	1.07%	101	%
Y 371.029	565819.3	5649.02	1.00%	101	%
Ag 328.068†	172.9	101.20	58.55%	[0.002]	mg/L
Al 308.215†	2515.3	105.08	4.18%	[0.10]	mg/L
As 188.979†	17.3	1.21	7.02%	[0.010]	mg/L
Ba 233.527†	1768.7	4.32	0.24%	[0.010]	mg/L
Be 313.107†	33298.5	289.45	0.87%	[0.010]	mg/L
Ca 315.887†	125845.6	1772.51	1.41%	[1.0]	mg/L
Cd 228.802†	490.4	12.87	2.62%	[0.010]	mg/L
Co 228.616†	407.3	3.27	0.80%	[0.010]	mg/L
Cr 267.716†	936.3	0.02	0.00%	[0.010]	mg/L
Cu 327.393†	1554.2	55.77	3.59%	[0.010]	mg/L
Fe 273.955†	1266.4	8.83	0.70%	[0.10]	mg/L
K 404.721†	98.0	78.56	80.13%	[1.0]	mg/L
Mg 279.077†	20904.8	48.46	0.23%	[1.0]	mg/L
Mn 257.610†	4627.3	13.00	0.28%	[0.010]	mg/L
Mo 202.031†	121.9	4.06	3.33%	[0.010]	mg/L
Na 330.237†	728.5	72.26	9.92%	[1.0]	mg/L
Ni 231.604†	573.7	9.93	1.73%	[0.010]	mg/L
Pb 220.353†	125.1	17.26	13.80%	[0.010]	mg/L
Sb 206.836†	17.1	0.54	3.15%	[0.010]	mg/L
Se 196.026†	11.6	1.65	14.20%	[0.010]	mg/L
Sn 189.927†	33.1	4.13	12.46%	[0.010]	mg/L
Ti 334.940†	8959.6	95.93	1.07%	[0.010]	mg/L
Tl 190.801†	9.7	2.11	21.78%	[0.010]	mg/L
V 290.880†	1509.9	114.66	7.59%	[0.010]	mg/L
Zn 206.200†	408.4	1.23	0.30%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/3/2011 3:21:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-106427

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1289566.4	14406.53	1.12%	97.2	%
Y 371.029	538668.4	5872.72	1.09%	96.2	%
Ag 328.068†	10430.8	162.32	1.56%	[0.10]	mg/L
Al 308.215†	159906.6	1881.17	1.18%	[5.0]	mg/L
As 188.979†	669.4	4.68	0.70%	[0.50]	mg/L
Ba 233.527†	92857.9	945.06	1.02%	[0.50]	mg/L
Be 313.107†	1869573.3	26616.71	1.42%	[0.50]	mg/L
Ca 315.887†	6316842.6	82661.69	1.31%	[50]	mg/L
Cd 228.802†	26636.5	393.68	1.48%	[0.50]	mg/L
Co 228.616†	21591.3	267.21	1.24%	[0.50]	mg/L
Cr 267.716†	49061.4	575.74	1.17%	[0.50]	mg/L
Cu 327.393†	78470.1	961.05	1.22%	[0.50]	mg/L
Fe 273.955†	68964.6	855.73	1.24%	[5.0]	mg/L
K 404.721†	1620.2	26.83	1.66%	[50]	mg/L
Mg 279.077†	1054034.3	13304.92	1.26%	[50]	mg/L
Mn 257.610†	245487.5	2924.83	1.19%	[0.50]	mg/L
Mo 202.031†	6282.6	58.91	0.94%	[0.50]	mg/L
Na 330.237†	45591.0	304.89	0.67%	[50]	mg/L
Ni 231.604†	29544.6	378.79	1.28%	[0.50]	mg/L
Pb 220.353†	6590.0	47.79	0.73%	[0.50]	mg/L
Sb 206.836†	929.6	0.47	0.05%	[0.50]	mg/L
Se 196.026†	634.3	2.45	0.39%	[0.50]	mg/L
Sn 189.927†	1610.2	8.30	0.52%	[0.50]	mg/L
Ti 334.940†	470481.3	7152.20	1.52%	[0.50]	mg/L
Tl 190.801†	499.8	2.81	0.56%	[0.50]	mg/L
V 290.880†	87819.1	1171.82	1.33%	[0.50]	mg/L
Zn 206.200†	21843.5	247.71	1.13%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-108511
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/3/2011 3:25:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-108511

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1247481.6	3258.31	0.26%	94.1	%
Y 371.029	521112.8	1212.29	0.23%	93.1	%
Ag 328.068†	21052.5	44.38	0.21%	[0.20]	mg/L
Al 308.215†	325849.8	2625.79	0.81%	[10]	mg/L
As 188.979†	1338.8	6.67	0.50%	[1.0]	mg/L
Ba 233.527†	185145.3	1115.74	0.60%	[1.0]	mg/L
Be 313.107†	3698262.7	44186.32	1.19%	[1.0]	mg/L
Ca 315.887†	12308752.6	144227.88	1.17%	[100]	mg/L
Cd 228.802†	53852.3	348.19	0.65%	[1.0]	mg/L
Co 228.616†	42979.7	99.84	0.23%	[1.0]	mg/L
Cr 267.716†	98074.1	686.31	0.70%	[1.0]	mg/L
Cu 327.393†	160006.1	1016.65	0.64%	[1.0]	mg/L
Fe 273.955†	137347.1	800.61	0.58%	[10]	mg/L
K 404.721†	3485.1	18.16	0.52%	[100]	mg/L
Mg 279.077†	2074116.5	11955.95	0.58%	[100]	mg/L
Mn 257.610†	489064.1	2770.63	0.57%	[1.0]	mg/L
Mo 202.031†	12547.4	20.82	0.17%	[1.0]	mg/L
Na 330.237†	101086.4	709.58	0.70%	[100]	mg/L
Ni 231.604†	58478.1	287.27	0.49%	[1.0]	mg/L
Pb 220.353†	13043.7	43.53	0.33%	[1.0]	mg/L
Sb 206.836†	1859.1	4.81	0.26%	[1.0]	mg/L
Se 196.026†	1277.5	9.19	0.72%	[1.0]	mg/L
Sn 189.927†	3163.3	7.47	0.24%	[1.0]	mg/L
Ti 334.940†	945075.0	6580.52	0.70%	[1.0]	mg/L
Tl 190.801†	1004.7	3.08	0.31%	[1.0]	mg/L
V 290.880†	176203.0	1012.15	0.57%	[1.0]	mg/L
Zn 206.200†	42881.9	310.11	0.72%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	-34.5	105300	0.00000	0.999990	
Al 308.215	3	Lin, Calc Int	-886.7	32570	0.00000	0.999958	
As 188.979	4	Lin, Calc Int	3.1	1335	0.00000	0.999993	
Ba 233.527	3	Lin, Calc Int	14.4	185200	0.00000	0.999998	
Be 313.107	4	Lin, Calc Int	1493.2	3705000	0.00000	0.999984	
Ca 315.887	3	Lin, Calc Int	30821.3	123400	0.00000	0.999908	
Cd 228.802	4	Lin, Calc Int	-46.2	53790	0.00000	0.999986	
Co 228.616	3	Lin, Calc Int	8.2	43010	0.00000	0.999997	
Cr 267.716	3	Lin, Calc Int	-15.7	98100	0.00000	1.000000	
Cu 327.393	3	Lin, Calc Int	-299.8	159800	0.00000	0.999951	
Fe 273.955	3	Lin, Calc Int	4.4	13750	0.00000	0.999997	
K 404.721	3	Lin, Calc Int	6.4	34.29	0.00000	0.999004	
Mg 279.077	3	Lin, Calc Int	3164.0	20770	0.00000	0.999964	
Mn 257.610	3	Lin, Calc Int	54.3	489400	0.00000	0.999998	
Mo 202.031	3	Lin, Calc Int	-0.0	12550	0.00000	1.000000	
Na 330.237	3	Lin, Calc Int	-1029.5	1003	0.00000	0.998733	
Ni 231.604	3	Lin, Calc Int	50.6	58540	0.00000	0.999985	
Pb 220.353	4	Lin, Calc Int	8.8	13060	0.00000	0.999987	
Sb 206.836	3	Lin, Calc Int	-0.7	1860	0.00000	1.000000	
Se 196.026	3	Lin, Calc Int	-1.3	1277	0.00000	0.999994	
Sn 189.927	3	Lin, Calc Int	5.9	3168	0.00000	0.999958	
Ti 334.940	3	Lin, Calc Int	-597.2	945000	0.00000	0.999998	
Tl 190.801	4	Lin, Calc Int	0.4	1003	0.00000	0.999992	
V 290.880	3	Lin, Calc Int	-165.8	176300	0.00000	0.999998	
Zn 206.200	3	Lin, Calc Int	64.0	42970	0.00000	0.999952	

Sequence No.: 6
Sample ID: ICS3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/3/2011 3:30:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-106427

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1277819.2	96.4	%	0.01				0.01%
Y 371.029	533820.8	95.3	%	0.06				0.06%
Ag 328.068†	10309.4	0.0976126	mg/L	0.00005786	0.0976126	mg/L	0.00005786	0.06%
QC value within limits for Ag 328.068 Recovery = 97.61%								
Al 308.215†	158937.8	4.89542	mg/L	0.022723	4.89542	mg/L	0.022723	0.46%
QC value within limits for Al 308.215 Recovery = 97.91%								
As 188.979†	666.4	0.496088	mg/L	0.0027399	0.496088	mg/L	0.0027399	0.55%
QC value within limits for As 188.979 Recovery = 99.22%								
Ba 233.527†	92126.4	0.497201	mg/L	0.0018635	0.497201	mg/L	0.0018635	0.37%
QC value within limits for Ba 233.527 Recovery = 99.44%								
Be 313.107†	1869429.9	0.503940	mg/L	0.0083437	0.503940	mg/L	0.0083437	1.66%
QC value within limits for Be 313.107 Recovery = 100.79%								
Ca 315.887†	6309564.6	50.8956	mg/L	0.86401	50.8956	mg/L	0.86401	1.70%
QC value within limits for Ca 315.887 Recovery = 101.79%								
Cd 228.802†	26480.7	0.493055	mg/L	0.0018682	0.493055	mg/L	0.0018682	0.38%
QC value within limits for Cd 228.802 Recovery = 98.61%								
Co 228.616†	21422.0	0.498400	mg/L	0.0008597	0.498400	mg/L	0.0008597	0.17%
QC value within limits for Co 228.616 Recovery = 99.68%								
Cr 267.716†	48714.7	0.499678	mg/L	0.0019849	0.499678	mg/L	0.0019849	0.40%
QC value within limits for Cr 267.716 Recovery = 99.94%								
Cu 327.393†	78356.4	0.491302	mg/L	0.0020780	0.491302	mg/L	0.0020780	0.42%
QC value within limits for Cu 327.393 Recovery = 98.26%								
Fe 273.955†	68497.5	5.00150	mg/L	0.027586	5.00150	mg/L	0.027586	0.55%
QC value within limits for Fe 273.955 Recovery = 100.03%								
K 404.721†	1547.0	44.9295	mg/L	0.32185	44.9295	mg/L	0.32185	0.72%
QC value less than the lower limit for K 404.721 Recovery = 89.86%								
Mg 279.077†	1051841.1	50.4960	mg/L	0.86718	50.4960	mg/L	0.86718	1.72%
QC value within limits for Mg 279.077 Recovery = 100.99%								
Mn 257.610†	243835.0	0.496250	mg/L	0.0021195	0.496250	mg/L	0.0021195	0.43%
QC value within limits for Mn 257.610 Recovery = 99.25%								
Mo 202.031†	6273.7	0.498704	mg/L	0.0014614	0.498704	mg/L	0.0014614	0.29%
QC value within limits for Mo 202.031 Recovery = 99.74%								
Na 330.237†	45496.7	46.3653	mg/L	0.02486	46.3653	mg/L	0.02486	0.05%
QC value within limits for Na 330.237 Recovery = 92.73%								
Ni 231.604†	29375.3	0.501278	mg/L	0.0018131	0.501278	mg/L	0.0018131	0.36%
QC value within limits for Ni 231.604 Recovery = 100.26%								
Pb 220.353†	6542.3	0.501480	mg/L	0.0022075	0.501480	mg/L	0.0022075	0.44%
QC value within limits for Pb 220.353 Recovery = 100.30%								
Sb 206.836†	924.0	0.497358	mg/L	0.0010221	0.497358	mg/L	0.0010221	0.21%
QC value within limits for Sb 206.836 Recovery = 99.47%								
Se 196.026†	622.9	0.489019	mg/L	0.0089660	0.489019	mg/L	0.0089660	1.83%
QC value within limits for Se 196.026 Recovery = 97.80%								
Sn 189.927†	1598.7	0.504234	mg/L	0.0006189	0.504234	mg/L	0.0006189	0.12%
QC value within limits for Sn 189.927 Recovery = 100.85%								
Ti 334.940†	470633.1	0.498672	mg/L	0.0084116	0.498672	mg/L	0.0084116	1.69%
QC value within limits for Ti 334.940 Recovery = 99.73%								
Tl 190.801†	497.8	0.497605	mg/L	0.0003507	0.497605	mg/L	0.0003507	0.07%
QC value within limits for Tl 190.801 Recovery = 99.52%								
V 290.880†	87278.8	0.494867	mg/L	0.0021277	0.494867	mg/L	0.0021277	0.43%
QC value within limits for V 290.880 Recovery = 98.97%								
Zn 206.200†	21674.1	0.502643	mg/L	0.0028027	0.502643	mg/L	0.0028027	0.56%
QC value within limits for Zn 206.200 Recovery = 100.53%								

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: ICV V-107292 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/3/2011 3:34:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-107292 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1229969.9	92.7	%	0.56				0.61%
Y 371.029	513968.2	91.8	%	0.55				0.60%
Ag 328.068†	21173.9	0.200149	mg/L	0.0005314	0.200149	mg/L	0.0005314	0.27%
QC value within limits for Ag 328.068 Recovery = 100.07%								
Al 308.215†	339258.7	10.4198	mg/L	0.07298	10.4198	mg/L	0.07298	0.70%
QC value within limits for Al 308.215 Recovery = 104.20%								
As 188.979†	1371.3	1.02336	mg/L	0.002046	1.02336	mg/L	0.002046	0.20%
QC value within limits for As 188.979 Recovery = 102.34%								
Ba 233.527†	189129.2	1.02080	mg/L	0.006643	1.02080	mg/L	0.006643	0.65%
QC value within limits for Ba 233.527 Recovery = 102.08%								
Be 313.107†	3778178.9	1.01889	mg/L	0.002600	1.01889	mg/L	0.002600	0.26%
QC value within limits for Be 313.107 Recovery = 101.89%								
Ca 315.887†	12717194.1	102.836	mg/L	0.2257	102.836	mg/L	0.2257	0.22%
QC value within limits for Ca 315.887 Recovery = 102.84%								
Cd 228.802†	54948.3	1.02218	mg/L	0.005083	1.02218	mg/L	0.005083	0.50%
QC value within limits for Cd 228.802 Recovery = 102.22%								
Co 228.616†	44133.4	1.02700	mg/L	0.004512	1.02700	mg/L	0.004512	0.44%
QC value within limits for Co 228.616 Recovery = 102.70%								
Cr 267.716†	99034.9	1.01565	mg/L	0.008723	1.01565	mg/L	0.008723	0.86%
QC value within limits for Cr 267.716 Recovery = 101.56%								
Cu 327.393†	161287.0	1.00934	mg/L	0.004432	1.00934	mg/L	0.004432	0.44%
QC value within limits for Cu 327.393 Recovery = 100.93%								
Fe 273.955†	137366.2	10.0306	mg/L	0.08003	10.0306	mg/L	0.08003	0.80%
QC value within limits for Fe 273.955 Recovery = 100.31%								
K 404.721†	3669.3	106.824	mg/L	2.1360	106.824	mg/L	2.1360	2.00%
QC value within limits for K 404.721 Recovery = 106.82%								
Mg 279.077†	2118041.8	101.836	mg/L	0.8312	101.836	mg/L	0.8312	0.82%
QC value within limits for Mg 279.077 Recovery = 101.84%								
Mn 257.610†	495240.9	1.00805	mg/L	0.006936	1.00805	mg/L	0.006936	0.69%
QC value within limits for Mn 257.610 Recovery = 100.80%								
Mo 202.031†	12736.7	1.01248	mg/L	0.005911	1.01248	mg/L	0.005911	0.58%
QC value within limits for Mo 202.031 Recovery = 101.25%								
Na 330.237†	102488.2	103.160	mg/L	0.6857	103.160	mg/L	0.6857	0.66%
QC value within limits for Na 330.237 Recovery = 103.16%								
Ni 231.604†	59377.5	1.01414	mg/L	0.007209	1.01414	mg/L	0.007209	0.71%
QC value within limits for Ni 231.604 Recovery = 101.41%								
Pb 220.353†	13319.9	1.02180	mg/L	0.005158	1.02180	mg/L	0.005158	0.50%
QC value within limits for Pb 220.353 Recovery = 102.18%								
Sb 206.836†	1888.4	1.01612	mg/L	0.002097	1.01612	mg/L	0.002097	0.21%
QC value within limits for Sb 206.836 Recovery = 101.61%								
Se 196.026†	1299.0	1.01864	mg/L	0.008550	1.01864	mg/L	0.008550	0.84%
QC value within limits for Se 196.026 Recovery = 101.86%								
Sn 189.927†	3299.0	1.04243	mg/L	0.008908	1.04243	mg/L	0.008908	0.85%
QC value within limits for Sn 189.927 Recovery = 104.24%								
Ti 334.940†	953384.7	1.00954	mg/L	0.006358	1.00954	mg/L	0.006358	0.63%
QC value within limits for Ti 334.940 Recovery = 100.95%								
Tl 190.801†	1079.2	1.07909	mg/L	0.006407	1.07909	mg/L	0.006407	0.59%
QC value within limits for Tl 190.801 Recovery = 107.91%								
V 290.880†	178981.1	1.01387	mg/L	0.006682	1.01387	mg/L	0.006682	0.66%
QC value within limits for V 290.880 Recovery = 101.39%								
Zn 206.200†	43579.4	1.01215	mg/L	0.008376	1.01215	mg/L	0.008376	0.83%
QC value within limits for Zn 206.200 Recovery = 101.22%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB V-108505
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/3/2011 3:39:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-108505

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1327353.4	100	%	0.3				0.30%
Y 371.029	560432.4	100	%	0.2				0.23%
Ag 328.068†	24.0	0.0005548	mg/L	0.00028076	0.0005548	mg/L	0.00028076	50.60%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-50.2	0.0256629	mg/L	0.00301813	0.0256629	mg/L	0.00301813	11.76%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.1	-0.0022324	mg/L	0.00100501	-0.0022324	mg/L	0.00100501	45.02%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	11.6	-0.0000147	mg/L	0.00000460	-0.0000147	mg/L	0.00000460	31.27%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	93.4	-0.0003783	mg/L	0.00001716	-0.0003783	mg/L	0.00001716	4.53%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	605.3	-0.244931	mg/L	0.0009442	-0.244931	mg/L	0.0009442	0.39%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	14.6	0.0011297	mg/L	0.00012542	0.0011297	mg/L	0.00012542	11.10%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	10.8	0.0000623	mg/L	0.00034569	0.0000623	mg/L	0.00034569	554.67%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-4.2	0.0001214	mg/L	0.00008549	0.0001214	mg/L	0.00008549	70.42%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	287.0	0.0036764	mg/L	0.00011340	0.0036764	mg/L	0.00011340	3.08%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-68.1	-0.0053287	mg/L	0.00112686	-0.0053287	mg/L	0.00112686	21.15%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-2.8	-0.268842	mg/L	1.6922539	-0.268842	mg/L	1.6922539	629.46%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-56.9	-0.155053	mg/L	0.0024154	-0.155053	mg/L	0.0024154	1.56%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	24.7	-0.0000533	mg/L	0.00000510	-0.0000533	mg/L	0.00000510	9.57%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.4	0.0008370	mg/L	0.00001989	0.0008370	mg/L	0.00001989	2.38%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	80.7	1.10637	mg/L	0.028644	1.10637	mg/L	0.028644	2.59%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	21.1	-0.0005030	mg/L	0.00025554	-0.0005030	mg/L	0.00025554	50.81%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.3	-0.0005702	mg/L	0.00161143	-0.0005702	mg/L	0.00161143	282.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.7	-0.0000152	mg/L	0.00250881	-0.0000152	mg/L	0.00250881	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.5	0.0037420	mg/L	0.00410547	0.0037420	mg/L	0.00410547	109.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	16.5	0.0033637	mg/L	0.00249004	0.0033637	mg/L	0.00249004	74.03%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	67.0	0.0007028	mg/L	0.00005337	0.0007028	mg/L	0.00005337	7.59%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.4	0.0009988	mg/L	0.00203976	0.0009988	mg/L	0.00203976	204.22%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	8.9	0.0009963	mg/L	0.00003870	0.0009963	mg/L	0.00003870	3.88%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	17.4	-0.0010854	mg/L	0.00000708	-0.0010854	mg/L	0.00000708	0.65%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/3/2011 3:43:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1184306.8	89.3	%	0.79				0.89%
Y 371.029	492022.5	87.9	%	0.79				0.89%
Ag 328.068†	-405.4	-0.0002056	mg/L	0.00039205	-0.0002056	mg/L	0.00039205	190.71%
Al 308.215†	16499425.6	506.599	mg/L	4.0167	506.599	mg/L	4.0167	0.79%
QC value within limits for Al 308.215 Recovery = 101.32%								
As 188.979†	-14.0	0.0129881	mg/L	0.00134414	0.0129881	mg/L	0.00134414	10.35%
Ba 233.527†	730.0	0.0018866	mg/L	0.00004954	0.0018866	mg/L	0.00004954	2.63%
Be 313.107†	-2597.1	0.0003780	mg/L	0.00002831	0.0003780	mg/L	0.00002831	7.49%
Ca 315.887†	59774838.5	484.286	mg/L	5.9418	484.286	mg/L	5.9418	1.23%
QC value within limits for Ca 315.887 Recovery = 96.86%								
Cd 228.802†	239.2	-0.0000932	mg/L	0.00025139	-0.0000932	mg/L	0.00025139	269.72%
Co 228.616†	-153.2	-0.0011268	mg/L	0.00016770	-0.0011268	mg/L	0.00016770	14.88%
Cr 267.716†	-149.1	0.0053066	mg/L	0.00017342	0.0053066	mg/L	0.00017342	3.27%
Cu 327.393†	1702.1	0.0052214	mg/L	0.00003238	0.0052214	mg/L	0.00003238	0.62%
Fe 273.955†	2531598.9	184.360	mg/L	0.0832	184.360	mg/L	0.0832	0.05%
QC value within limits for Fe 273.955 Recovery = 92.18%								
K 404.721†	-397.8	-11.7883	mg/L	0.68251	-11.7883	mg/L	0.68251	5.79%
Mg 279.077†	10503691.6	505.541	mg/L	6.2832	505.541	mg/L	6.2832	1.24%
QC value within limits for Mg 279.077 Recovery = 101.11%								
Mn 257.610†	-4796.7	-0.0245777	mg/L	0.00023474	-0.0245777	mg/L	0.00023474	0.96%
Mo 202.031†	104.8	0.0088934	mg/L	0.00088921	0.0088934	mg/L	0.00088921	10.00%
Na 330.237†	758.2	1.78149	mg/L	0.025898	1.78149	mg/L	0.025898	1.45%
Ni 231.604†	-0.7	-0.0008700	mg/L	0.00022605	-0.0008700	mg/L	0.00022605	25.98%
Pb 220.353†	-988.4	0.0051865	mg/L	0.00024900	0.0051865	mg/L	0.00024900	4.80%
Sb 206.836†	-34.9	0.0021985	mg/L	0.00202976	0.0021985	mg/L	0.00202976	92.32%
Se 196.026†	-38.6	-0.0266898	mg/L	0.00993547	-0.0266898	mg/L	0.00993547	37.23%
Sn 189.927†	7.7	0.0042140	mg/L	0.00327462	0.0042140	mg/L	0.00327462	77.71%
Ti 334.940†	1978.8	0.0027260	mg/L	0.00003584	0.0027260	mg/L	0.00003584	1.31%
Tl 190.801†	-15.0	0.0003058	mg/L	0.00431416	0.0003058	mg/L	0.00431416	>999.9%
V 290.880†	4706.2	0.0067049	mg/L	0.00073037	0.0067049	mg/L	0.00073037	10.89%
Zn 206.200†	416.9	0.0033179	mg/L	0.00048657	0.0033179	mg/L	0.00048657	14.66%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/3/2011 3:48:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1180532.0	89.0	%	0.64				0.71%
Y 371.029	490143.6	87.5	%	0.65				0.74%
Ag 328.068†	109893.5	1.04730	mg/L	0.000652	1.04730	mg/L	0.000652	0.06%
QC value within limits for Ag 328.068 Recovery = 104.73%								
Al 308.215†	16340867.2	501.730	mg/L	0.3244	501.730	mg/L	0.3244	0.06%
QC value within limits for Al 308.215 Recovery = 100.35%								
As 188.979†	1341.3	1.02844	mg/L	0.001447	1.02844	mg/L	0.001447	0.14%
QC value within limits for As 188.979 Recovery = 102.84%								
Ba 233.527†	95422.9	0.513056	mg/L	0.0004440	0.513056	mg/L	0.0004440	0.09%
QC value within limits for Ba 233.527 Recovery = 102.61%								
Be 313.107†	1862396.5	0.503817	mg/L	0.0004569	0.503817	mg/L	0.0004569	0.09%
QC value within limits for Be 313.107 Recovery = 100.76%								
Ca 315.887†	59116088.6	478.946	mg/L	1.2857	478.946	mg/L	1.2857	0.27%
QC value within limits for Ca 315.887 Recovery = 95.79%								
Cd 228.802†	55291.8	1.02336	mg/L	0.000285	1.02336	mg/L	0.000285	0.03%
QC value within limits for Cd 228.802 Recovery = 102.34%								
Co 228.616†	20467.0	0.478171	mg/L	0.0016644	0.478171	mg/L	0.0016644	0.35%
QC value within limits for Co 228.616 Recovery = 95.63%								
Cr 267.716†	48138.1	0.497953	mg/L	0.0001053	0.497953	mg/L	0.0001053	0.02%
QC value within limits for Cr 267.716 Recovery = 99.59%								
Cu 327.393†	86016.0	0.533073	mg/L	0.0004330	0.533073	mg/L	0.0004330	0.08%
QC value within limits for Cu 327.393 Recovery = 106.61%								
Fe 273.955†	2554058.2	185.991	mg/L	0.2781	185.991	mg/L	0.2781	0.15%
QC value within limits for Fe 273.955 Recovery = 93.00%								
K 404.721†	-363.1	-10.7753	mg/L	2.03503	-10.7753	mg/L	2.03503	18.89%
Mg 279.077†	10385891.0	499.870	mg/L	1.1263	499.870	mg/L	1.1263	0.23%
QC value within limits for Mg 279.077 Recovery = 99.97%								
Mn 257.610†	240760.5	0.477536	mg/L	0.0007529	0.477536	mg/L	0.0007529	0.16%
QC value within limits for Mn 257.610 Recovery = 95.51%								
Mo 202.031†	117.1	0.0098919	mg/L	0.00026469	0.0098919	mg/L	0.00026469	2.68%
Na 330.237†	2100.7	3.11942	mg/L	0.009033	3.11942	mg/L	0.009033	0.29%
Ni 231.604†	54853.0	0.936173	mg/L	0.0005493	0.936173	mg/L	0.0005493	0.06%
QC value within limits for Ni 231.604 Recovery = 93.62%								
Pb 220.353†	11537.8	0.963328	mg/L	0.0016599	0.963328	mg/L	0.0016599	0.17%
QC value within limits for Pb 220.353 Recovery = 96.33%								
Sb 206.836†	1877.6	1.03096	mg/L	0.002200	1.03096	mg/L	0.002200	0.21%
QC value within limits for Sb 206.836 Recovery = 103.10%								
Se 196.026†	1243.1	0.977108	mg/L	0.0057913	0.977108	mg/L	0.0057913	0.59%
QC value within limits for Se 196.026 Recovery = 97.71%								
Sn 189.927†	6.9	0.0040025	mg/L	0.00058231	0.0040025	mg/L	0.00058231	14.55%
Ti 334.940†	2401.6	0.0031734	mg/L	0.00012323	0.0031734	mg/L	0.00012323	3.88%
Tl 190.801†	972.4	0.984241	mg/L	0.0069756	0.984241	mg/L	0.0069756	0.71%
QC value within limits for Tl 190.801 Recovery = 98.42%								
V 290.880†	91598.7	0.499690	mg/L	0.0004119	0.499690	mg/L	0.0004119	0.08%
QC value within limits for V 290.880 Recovery = 99.94%								
Zn 206.200†	42105.6	0.973538	mg/L	0.0031814	0.973538	mg/L	0.0031814	0.33%
QC value within limits for Zn 206.200 Recovery = 97.35%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3382 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 3/3/2011 3:54:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3382 (1)

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1361856.8	103	%	0.1				0.08%
Y 371.029	575136.2	103	%	0.1				0.15%
Ag 328.068†	43.4	0.0007393	mg/L	0.00008116	0.0007393	mg/L	0.00008116	10.98%
Al 308.215†	-87.1	0.0245398	mg/L	0.00436515	0.0245398	mg/L	0.00436515	17.79%
As 188.979†	0.2	-0.0021494	mg/L	0.00239269	-0.0021494	mg/L	0.00239269	111.32%
Ba 233.527†	139.1	0.0006731	mg/L	0.00005538	0.0006731	mg/L	0.00005538	8.23%
Be 313.107†	96.1	-0.0003773	mg/L	0.00001506	-0.0003773	mg/L	0.00001506	3.99%
Ca 315.887†	88531.2	0.467797	mg/L	0.0025641	0.467797	mg/L	0.0025641	0.55%
Cd 228.802†	-7.3	0.0007224	mg/L	0.00003846	0.0007224	mg/L	0.00003846	5.32%
Co 228.616†	0.2	-0.0001876	mg/L	0.00016005	-0.0001876	mg/L	0.00016005	85.31%
Cr 267.716†	97.7	0.0011605	mg/L	0.00003311	0.0011605	mg/L	0.00003311	2.85%
Cu 327.393†	376.8	0.0042275	mg/L	0.00011763	0.0042275	mg/L	0.00011763	2.78%
Fe 273.955†	481.4	0.0346612	mg/L	0.00031439	0.0346612	mg/L	0.00031439	0.91%
K 404.721†	-24.8	-0.909636	mg/L	3.2456996	-0.909636	mg/L	3.2456996	356.81%
Mg 279.077†	803.7	-0.113627	mg/L	0.0030263	-0.113627	mg/L	0.0030263	2.66%
Mn 257.610†	249.5	0.0004059	mg/L	0.00001351	0.0004059	mg/L	0.00001351	3.33%
Mo 202.031†	5.8	0.0004500	mg/L	0.00010554	0.0004500	mg/L	0.00010554	23.45%
Na 330.237†	149.5	1.17491	mg/L	0.004338	1.17491	mg/L	0.004338	0.37%
Ni 231.604†	54.5	0.0000670	mg/L	0.00023176	0.0000670	mg/L	0.00023176	345.77%
Pb 220.353†	3.6	-0.0003981	mg/L	0.00001149	-0.0003981	mg/L	0.00001149	2.89%
Sb 206.836†	-1.6	-0.0004850	mg/L	0.00024970	-0.0004850	mg/L	0.00024970	51.49%
Se 196.026†	1.9	0.0025647	mg/L	0.00530836	0.0025647	mg/L	0.00530836	206.98%
Sn 189.927†	6.1	0.0000760	mg/L	0.00083347	0.0000760	mg/L	0.00083347	>999.9%
Ti 334.940†	16.6	0.0006495	mg/L	0.00007438	0.0006495	mg/L	0.00007438	11.45%
Tl 190.801†	0.5	0.0000929	mg/L	0.00127943	0.0000929	mg/L	0.00127943	>999.9%
V 290.880†	-120.9	0.0002567	mg/L	0.00013836	0.0002567	mg/L	0.00013836	53.90%
Zn 206.200†	253.8	0.0044193	mg/L	0.00010102	0.0044193	mg/L	0.00010102	2.29%

Sequence No.: 12
Sample ID: LCSW 3382
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 3/3/2011 3:57:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3382

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1322221.5	99.7	%	0.84				0.84%
Y 371.029	552732.0	98.7	%	0.84				0.85%
Ag 328.068†	8974.3	0.0850128	mg/L	0.00034113	0.0850128	mg/L	0.00034113	0.40%
Al 308.215†	135488.6	4.17696	mg/L	0.024286	4.17696	mg/L	0.024286	0.58%
As 188.979†	574.4	0.427301	mg/L	0.0068571	0.427301	mg/L	0.0068571	1.60%
Ba 233.527†	81088.7	0.437622	mg/L	0.0029725	0.437622	mg/L	0.0029725	0.68%
Be 313.107†	1614774.8	0.435236	mg/L	0.0055293	0.435236	mg/L	0.0055293	1.27%
Ca 315.887†	5550344.7	44.7413	mg/L	0.53454	44.7413	mg/L	0.53454	1.19%
Cd 228.802†	23262.2	0.433235	mg/L	0.0025680	0.433235	mg/L	0.0025680	0.59%
Co 228.616†	19043.1	0.443025	mg/L	0.0020147	0.443025	mg/L	0.0020147	0.45%
Cr 267.716†	42729.0	0.438284	mg/L	0.0024757	0.438284	mg/L	0.0024757	0.56%
Cu 327.393†	68987.4	0.432786	mg/L	0.0019795	0.432786	mg/L	0.0019795	0.46%
Fe 273.955†	59138.5	4.31816	mg/L	0.021129	4.31816	mg/L	0.021129	0.49%
K 404.721†	1250.9	36.2942	mg/L	0.60609	36.2942	mg/L	0.60609	1.67%
Mg 279.077†	912733.7	43.7977	mg/L	0.53458	43.7977	mg/L	0.53458	1.22%
Mn 257.610†	212254.9	0.431970	mg/L	0.0022886	0.431970	mg/L	0.0022886	0.53%
Mo 202.031†	5470.1	0.434818	mg/L	0.0097668	0.434818	mg/L	0.0097668	2.25%
Na 330.237†	38877.5	39.7690	mg/L	0.23522	39.7690	mg/L	0.23522	0.59%
Ni 231.604†	25922.8	0.442257	mg/L	0.0029595	0.442257	mg/L	0.0029595	0.67%
Pb 220.353†	5719.7	0.438323	mg/L	0.0079436	0.438323	mg/L	0.0079436	1.81%
Sb 206.836†	791.1	0.425900	mg/L	0.0093798	0.425900	mg/L	0.0093798	2.20%
Se 196.026†	547.1	0.429617	mg/L	0.0034892	0.429617	mg/L	0.0034892	0.81%
Sn 189.927†	1400.3	0.441434	mg/L	0.0089971	0.441434	mg/L	0.0089971	2.04%
Ti 334.940†	409222.5	0.433685	mg/L	0.0057652	0.433685	mg/L	0.0057652	1.33%
Tl 190.801†	452.9	0.452681	mg/L	0.0099469	0.452681	mg/L	0.0099469	2.20%
V 290.880†	76667.6	0.434831	mg/L	0.0026729	0.434831	mg/L	0.0026729	0.61%
Zn 206.200†	19098.1	0.442733	mg/L	0.0037798	0.442733	mg/L	0.0037798	0.85%

Sequence No.: 13
Sample ID: LCSW MR 3382
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 3/3/2011 4:01:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3382

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1311278.9	98.9	%	0.44				0.45%
Y 371.029	548064.2	97.9	%	0.43				0.43%
Ag 328.068†	9053.3	0.0857588	mg/L	0.00086304	0.0857588	mg/L	0.00086304	1.01%
Al 308.215†	136399.5	4.20485	mg/L	0.055929	4.20485	mg/L	0.055929	1.33%
As 188.979†	579.1	0.430798	mg/L	0.0018721	0.430798	mg/L	0.0018721	0.43%
Ba 233.527†	81663.4	0.440725	mg/L	0.0042384	0.440725	mg/L	0.0042384	0.96%
Be 313.107†	1615535.8	0.435442	mg/L	0.0058228	0.435442	mg/L	0.0058228	1.34%
Ca 315.887†	5544266.6	44.6920	mg/L	0.58926	44.6920	mg/L	0.58926	1.32%
Cd 228.802†	23314.9	0.434214	mg/L	0.0031515	0.434214	mg/L	0.0031515	0.73%
Co 228.616†	19122.2	0.444874	mg/L	0.0043586	0.444874	mg/L	0.0043586	0.98%
Cr 267.716†	42863.1	0.439667	mg/L	0.0040718	0.439667	mg/L	0.0040718	0.93%
Cu 327.393†	69543.0	0.436264	mg/L	0.0051941	0.436264	mg/L	0.0051941	1.19%
Fe 273.955†	59042.8	4.31119	mg/L	0.043214	4.31119	mg/L	0.043214	1.00%
K 404.721†	1276.0	37.0245	mg/L	1.37674	37.0245	mg/L	1.37674	3.72%
Mg 279.077†	912052.4	43.7649	mg/L	0.58213	43.7649	mg/L	0.58213	1.33%
Mn 257.610†	213253.1	0.434012	mg/L	0.0044846	0.434012	mg/L	0.0044846	1.03%
Mo 202.031†	5510.1	0.438006	mg/L	0.0018740	0.438006	mg/L	0.0018740	0.43%
Na 330.237†	39247.5	40.1377	mg/L	0.47418	40.1377	mg/L	0.47418	1.18%
Ni 231.604†	25955.5	0.442818	mg/L	0.0043428	0.442818	mg/L	0.0043428	0.98%
Pb 220.353†	5762.4	0.441605	mg/L	0.0009670	0.441605	mg/L	0.0009670	0.22%
Sb 206.836†	806.7	0.434280	mg/L	0.0011507	0.434280	mg/L	0.0011507	0.26%
Se 196.026†	551.2	0.432874	mg/L	0.0095119	0.432874	mg/L	0.0095119	2.20%
Sn 189.927†	1408.2	0.443918	mg/L	0.0020469	0.443918	mg/L	0.0020469	0.46%
Ti 334.940†	409348.2	0.433818	mg/L	0.0061505	0.433818	mg/L	0.0061505	1.42%
Tl 190.801†	459.3	0.458986	mg/L	0.0003807	0.458986	mg/L	0.0003807	0.08%
V 290.880†	76946.6	0.436416	mg/L	0.0047573	0.436416	mg/L	0.0047573	1.09%
Zn 206.200†	19119.2	0.443222	mg/L	0.0037346	0.443222	mg/L	0.0037346	0.84%

Sequence No.: 14
Sample ID: 57098-015
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 3/3/2011 4:05:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1349616.7	102	%	1.4				1.33%
Y 371.029	569193.9	102	%	1.4				1.34%
Ag 328.068†	55.6	0.0008538	mg/L	0.00016089	0.0008538	mg/L	0.00016089	18.84%
Al 308.215†	4406.9	0.162488	mg/L	0.0106402	0.162488	mg/L	0.0106402	6.55%
As 188.979†	1.9	-0.0009821	mg/L	0.00011020	-0.0009821	mg/L	0.00011020	11.22%
Ba 233.527†	948.5	0.0050425	mg/L	0.00000339	0.0050425	mg/L	0.00000339	0.07%
Be 313.107†	151.8	-0.0003626	mg/L	0.00000838	-0.0003626	mg/L	0.00000838	2.31%
Ca 315.887†	598648.9	4.60282	mg/L	0.081880	4.60282	mg/L	0.081880	1.78%
Cd 228.802†	9.4	0.0010313	mg/L	0.00003033	0.0010313	mg/L	0.00003033	2.94%
Co 228.616†	5.4	-0.0000599	mg/L	0.00000316	-0.0000599	mg/L	0.00000316	5.27%
Cr 267.716†	56.4	0.0007458	mg/L	0.00014878	0.0007458	mg/L	0.00014878	19.95%
Cu 327.393†	425.1	0.0044676	mg/L	0.00027048	0.0044676	mg/L	0.00027048	6.05%
Fe 273.955†	375.3	0.0269739	mg/L	0.00375642	0.0269739	mg/L	0.00375642	13.93%
K 404.721†	-111.0	-3.42450	mg/L	2.915959	-3.42450	mg/L	2.915959	85.15%
Mg 279.077†	2544.4	-0.0298026	mg/L	0.00074776	-0.0298026	mg/L	0.00074776	2.51%
Mn 257.610†	947.5	0.0018285	mg/L	0.00001268	0.0018285	mg/L	0.00001268	0.69%
Mo 202.031†	21.3	0.0015884	mg/L	0.00078443	0.0015884	mg/L	0.00078443	49.38%
Na 330.237†	524.5	1.54862	mg/L	0.004552	1.54862	mg/L	0.004552	0.29%
Ni 231.604†	32.7	-0.0003035	mg/L	0.00017265	-0.0003035	mg/L	0.00017265	56.89%
Pb 220.353†	3.5	-0.0003923	mg/L	0.00117320	-0.0003923	mg/L	0.00117320	299.09%
Sb 206.836†	-3.8	-0.0016522	mg/L	0.00156181	-0.0016522	mg/L	0.00156181	94.53%
Se 196.026†	0.2	0.0012204	mg/L	0.00119524	0.0012204	mg/L	0.00119524	97.94%
Sn 189.927†	9.8	0.0013330	mg/L	0.00055231	0.0013330	mg/L	0.00055231	41.43%
Ti 334.940†	444.5	0.0011024	mg/L	0.00000767	0.0011024	mg/L	0.00000767	0.70%
Tl 190.801†	1.2	0.0008586	mg/L	0.00131585	0.0008586	mg/L	0.00131585	153.25%
V 290.880†	-32.4	0.0007577	mg/L	0.00084769	0.0007577	mg/L	0.00084769	111.88%
Zn 206.200†	599.6	0.0124891	mg/L	0.00024310	0.0124891	mg/L	0.00024310	1.95%

Sequence No.: 15
Sample ID: 57098-015 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 3/3/2011 4:08:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1354013.6	102	%	0.2				0.23%
Y 371.029	570957.4	102	%	0.2				0.20%
Ag 328.068†	41.8	0.0007219	mg/L	0.00041374	0.0007219	mg/L	0.00041374	57.31%
Al 308.215†	5481.9	0.195495	mg/L	0.0005217	0.195495	mg/L	0.0005217	0.27%
As 188.979†	2.3	-0.0006523	mg/L	0.00315397	-0.0006523	mg/L	0.00315397	483.55%
Ba 233.527†	1111.9	0.0059241	mg/L	0.00001529	0.0059241	mg/L	0.00001529	0.26%
Be 313.107†	41.0	-0.0003931	mg/L	0.00000896	-0.0003931	mg/L	0.00000896	2.28%
Ca 315.887†	688407.6	5.33040	mg/L	0.088925	5.33040	mg/L	0.088925	1.67%
Cd 228.802†	1.5	0.0008829	mg/L	0.00012858	0.0008829	mg/L	0.00012858	14.56%
Co 228.616†	10.1	0.0000428	mg/L	0.00015915	0.0000428	mg/L	0.00015915	372.01%
Cr 267.716†	64.5	0.0008313	mg/L	0.00003034	0.0008313	mg/L	0.00003034	3.65%
Cu 327.393†	331.3	0.0038687	mg/L	0.00027952	0.0038687	mg/L	0.00027952	7.23%
Fe 273.955†	1069.8	0.0775253	mg/L	0.00149556	0.0775253	mg/L	0.00149556	1.93%
K 404.721†	-83.9	-2.63402	mg/L	4.452563	-2.63402	mg/L	4.452563	169.04%
Mg 279.077†	3984.9	0.0395501	mg/L	0.00230988	0.0395501	mg/L	0.00230988	5.84%
Mn 257.610†	2359.8	0.0047136	mg/L	0.00007746	0.0047136	mg/L	0.00007746	1.64%
Mo 202.031†	19.6	0.0014385	mg/L	0.00059755	0.0014385	mg/L	0.00059755	41.54%
Na 330.237†	587.3	1.61124	mg/L	0.016337	1.61124	mg/L	0.016337	1.01%
Ni 231.604†	33.9	-0.0002842	mg/L	0.00063538	-0.0002842	mg/L	0.00063538	223.59%
Pb 220.353†	18.3	0.0007445	mg/L	0.00063474	0.0007445	mg/L	0.00063474	85.25%
Sb 206.836†	-1.1	-0.0002284	mg/L	0.00306476	-0.0002284	mg/L	0.00306476	>999.9%
Se 196.026†	0.2	0.0011986	mg/L	0.00020244	0.0011986	mg/L	0.00020244	16.89%
Sn 189.927†	3.7	-0.0005806	mg/L	0.00053378	-0.0005806	mg/L	0.00053378	91.93%
Ti 334.940†	1993.8	0.0027419	mg/L	0.00030930	0.0027419	mg/L	0.00030930	11.28%
Tl 190.801†	1.0	0.0006497	mg/L	0.00142889	0.0006497	mg/L	0.00142889	219.93%
V 290.880†	-41.0	0.0007057	mg/L	0.00011949	0.0007057	mg/L	0.00011949	16.93%
Zn 206.200†	671.0	0.0141512	mg/L	0.00006342	0.0141512	mg/L	0.00006342	0.45%

Sequence No.: 16
Sample ID: 57098-015 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 3/3/2011 4:12:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 SPLP SPK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1308969.8	98.7	%	0.30				0.30%
Y 371.029	548012.2	97.9	%	0.26				0.27%
Ag 328.068†	9193.2	0.0870729	mg/L	0.00019630	0.0870729	mg/L	0.00019630	0.23%
Al 308.215†	145676.9	4.48943	mg/L	0.010647	4.48943	mg/L	0.010647	0.24%
As 188.979†	604.0	0.449409	mg/L	0.0007852	0.449409	mg/L	0.0007852	0.17%
Ba 233.527†	854630.6	4.61348	mg/L	0.054031	4.61348	mg/L	0.054031	1.17%
Be 313.107†	1640193.0	0.442095	mg/L	0.0054263	0.442095	mg/L	0.0054263	1.23%
Ca 315.887†	6245060.3	50.3727	mg/L	0.61372	50.3727	mg/L	0.61372	1.22%
Cd 228.802†	23827.5	0.443740	mg/L	0.0002064	0.443740	mg/L	0.0002064	0.05%
Co 228.616†	19527.4	0.454324	mg/L	0.0005849	0.454324	mg/L	0.0005849	0.13%
Cr 267.716†	43646.5	0.447721	mg/L	0.0005312	0.447721	mg/L	0.0005312	0.12%
Cu 327.393†	71051.6	0.445619	mg/L	0.0010098	0.445619	mg/L	0.0010098	0.23%
Fe 273.955†	60879.5	4.44510	mg/L	0.004092	4.44510	mg/L	0.004092	0.09%
K 404.721†	1406.2	40.8216	mg/L	2.18113	40.8216	mg/L	2.18113	5.34%
Mg 279.077†	928307.9	44.5477	mg/L	0.53049	44.5477	mg/L	0.53049	1.19%
Mn 257.610†	220015.8	0.447806	mg/L	0.0008548	0.447806	mg/L	0.0008548	0.19%
Mo 202.031†	5648.8	0.448919	mg/L	0.0029732	0.448919	mg/L	0.0029732	0.66%
Na 330.237†	40736.5	41.6216	mg/L	0.12130	41.6216	mg/L	0.12130	0.29%
Ni 231.604†	26496.5	0.452067	mg/L	0.0001186	0.452067	mg/L	0.0001186	0.03%
Pb 220.353†	61571.1	4.71483	mg/L	0.013582	4.71483	mg/L	0.013582	0.29%
Sb 206.836†	829.8	0.446709	mg/L	0.0018192	0.446709	mg/L	0.0018192	0.41%
Se 196.026†	574.1	0.450793	mg/L	0.0020644	0.450793	mg/L	0.0020644	0.46%
Sn 189.927†	1456.3	0.459241	mg/L	0.0023827	0.459241	mg/L	0.0023827	0.52%
Ti 334.940†	413973.6	0.438713	mg/L	0.0057049	0.438713	mg/L	0.0057049	1.30%
Tl 190.801†	473.0	0.472754	mg/L	0.0009817	0.472754	mg/L	0.0009817	0.21%
V 290.880†	78522.8	0.445335	mg/L	0.0006157	0.445335	mg/L	0.0006157	0.14%
Zn 206.200†	19770.4	0.458395	mg/L	0.0012283	0.458395	mg/L	0.0012283	0.27%

Sequence No.: 17
Sample ID: 57098-015 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 3/3/2011 4:15:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 PS

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1318238.1	99.4	%	0.83				0.84%
Y 371.029	550507.5	98.3	%	0.77				0.79%
Ag 328.068†	8606.0	0.0814541	mg/L	0.00123279	0.0814541	mg/L	0.00123279	1.51%
Al 308.215†	152360.4	4.69383	mg/L	0.071236	4.69383	mg/L	0.071236	1.52%
As 188.979†	639.4	0.475818	mg/L	0.0013334	0.475818	mg/L	0.0013334	0.28%
Ba 233.527†	88859.0	0.479566	mg/L	0.0059405	0.479566	mg/L	0.0059405	1.24%
Be 313.107†	1748031.7	0.471188	mg/L	0.0062591	0.471188	mg/L	0.0062591	1.33%
Ca 315.887†	6503199.3	52.4652	mg/L	0.63191	52.4652	mg/L	0.63191	1.20%
Cd 228.802†	25156.9	0.468450	mg/L	0.0054220	0.468450	mg/L	0.0054220	1.16%
Co 228.616†	20614.1	0.479641	mg/L	0.0071202	0.479641	mg/L	0.0071202	1.48%
Cr 267.716†	46160.4	0.473536	mg/L	0.0063344	0.473536	mg/L	0.0063344	1.34%
Cu 327.393†	74322.6	0.466046	mg/L	0.0054338	0.466046	mg/L	0.0054338	1.17%
Fe 273.955†	63972.6	4.67118	mg/L	0.054675	4.67118	mg/L	0.054675	1.17%
K 404.721†	1467.5	42.6107	mg/L	1.09784	42.6107	mg/L	1.09784	2.58%
Mg 279.077†	987894.0	47.4170	mg/L	0.58232	47.4170	mg/L	0.58232	1.23%
Mn 257.610†	230355.3	0.468826	mg/L	0.0061089	0.468826	mg/L	0.0061089	1.30%
Mo 202.031†	6084.0	0.483543	mg/L	0.0060947	0.483543	mg/L	0.0060947	1.26%
Na 330.237†	43005.3	43.8826	mg/L	0.60694	43.8826	mg/L	0.60694	1.38%
Ni 231.604†	27958.6	0.477068	mg/L	0.0067684	0.477068	mg/L	0.0067684	1.42%
Pb 220.353†	6320.4	0.484458	mg/L	0.0051434	0.484458	mg/L	0.0051434	1.06%
Sb 206.836†	885.4	0.476614	mg/L	0.0026690	0.476614	mg/L	0.0026690	0.56%
Se 196.026†	607.4	0.476867	mg/L	0.0071201	0.476867	mg/L	0.0071201	1.49%
Sn 189.927†	1566.0	0.493920	mg/L	0.0052936	0.493920	mg/L	0.0052936	1.07%
Ti 334.940†	441017.4	0.467332	mg/L	0.0063773	0.467332	mg/L	0.0063773	1.36%
Tl 190.801†	520.1	0.519748	mg/L	0.0002409	0.519748	mg/L	0.0002409	0.05%
V 290.880†	82968.2	0.470490	mg/L	0.0068454	0.470490	mg/L	0.0068454	1.45%
Zn 206.200†	21227.9	0.492295	mg/L	0.0068833	0.492295	mg/L	0.0068833	1.40%

Sequence No.: 18
Sample ID: 57098-015 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 3/3/2011 4:19:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-015 SD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1341006.4	101	%	0.8				0.74%
Y 371.029	566085.1	101	%	0.7				0.67%
Ag 328.068†	81.4	0.0010995	mg/L	0.00007048	0.0010995	mg/L	0.00007048	6.41%
Al 308.215†	1019.1	0.0584870	mg/L	0.00227263	0.0584870	mg/L	0.00227263	3.89%
As 188.979†	4.2	0.0008307	mg/L	0.00016605	0.0008307	mg/L	0.00016605	19.99%
Ba 233.527†	191.3	0.0009550	mg/L	0.00002683	0.0009550	mg/L	0.00002683	2.81%
Be 313.107†	-9.1	-0.0004060	mg/L	0.00000516	-0.0004060	mg/L	0.00000516	1.27%
Ca 315.887†	121664.9	0.736379	mg/L	0.0072187	0.736379	mg/L	0.0072187	0.98%
Cd 228.802†	12.3	0.0010853	mg/L	0.00008030	0.0010853	mg/L	0.00008030	7.40%
Co 228.616†	18.2	0.0002339	mg/L	0.00011017	0.0002339	mg/L	0.00011017	47.09%
Cr 267.716†	11.9	0.0002880	mg/L	0.00017804	0.0002880	mg/L	0.00017804	61.82%
Cu 327.393†	238.8	0.0033598	mg/L	0.00017363	0.0033598	mg/L	0.00017363	5.17%
Fe 273.955†	40.7	0.0025924	mg/L	0.00329114	0.0025924	mg/L	0.00329114	126.95%
K 404.721†	23.3	0.493910	mg/L	0.0251028	0.493910	mg/L	0.0251028	5.08%
Mg 279.077†	424.0	-0.131893	mg/L	0.0052932	-0.131893	mg/L	0.0052932	4.01%
Mn 257.610†	123.5	0.0001480	mg/L	0.00002536	0.0001480	mg/L	0.00002536	17.13%
Mo 202.031†	14.8	0.0011651	mg/L	0.00010720	0.0011651	mg/L	0.00010720	9.20%
Na 330.237†	78.8	1.10449	mg/L	0.000171	1.10449	mg/L	0.000171	0.02%
Ni 231.604†	28.8	-0.0003714	mg/L	0.00000809	-0.0003714	mg/L	0.00000809	2.18%
Pb 220.353†	5.9	-0.0002087	mg/L	0.00082669	-0.0002087	mg/L	0.00082669	396.12%
Sb 206.836†	0.4	0.0005966	mg/L	0.00083029	0.0005966	mg/L	0.00083029	139.17%
Se 196.026†	3.2	0.0035220	mg/L	0.00385877	0.0035220	mg/L	0.00385877	109.56%
Sn 189.927†	12.9	0.0022226	mg/L	0.00025722	0.0022226	mg/L	0.00025722	11.57%
Ti 334.940†	130.0	0.0007695	mg/L	0.00001753	0.0007695	mg/L	0.00001753	2.28%
Tl 190.801†	-0.5	-0.0009180	mg/L	0.00032689	-0.0009180	mg/L	0.00032689	35.61%
V 290.880†	35.7	0.0011475	mg/L	0.00025700	0.0011475	mg/L	0.00025700	22.40%
Zn 206.200†	158.8	0.0022095	mg/L	0.00007124	0.0022095	mg/L	0.00007124	3.22%

Sequence No.: 19
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/3/2011 4:23:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1294782.7	97.6	%	0.01				0.01%
Y 371.029	540685.0	96.5	%	0.01				0.01%
Ag 328.068†	10488.5	0.0992992	mg/L	0.00057950	0.0992992	mg/L	0.00057950	0.58%
QC value within limits for Ag 328.068 Recovery = 99.30%								
Al 308.215†	159264.2	4.90516	mg/L	0.009827	4.90516	mg/L	0.009827	0.20%
QC value within limits for Al 308.215 Recovery = 98.10%								
As 188.979†	685.2	0.510176	mg/L	0.0152573	0.510176	mg/L	0.0152573	2.99%
QC value within limits for As 188.979 Recovery = 102.04%								
Ba 233.527†	94012.9	0.507385	mg/L	0.0011543	0.507385	mg/L	0.0011543	0.23%
QC value within limits for Ba 233.527 Recovery = 101.48%								
Be 313.107†	1879512.8	0.506663	mg/L	0.0066587	0.506663	mg/L	0.0066587	1.31%
QC value within limits for Be 313.107 Recovery = 101.33%								
Ca 315.887†	6344460.4	51.1784	mg/L	0.64509	51.1784	mg/L	0.64509	1.26%
QC value within limits for Ca 315.887 Recovery = 102.36%								
Cd 228.802†	27077.1	0.504141	mg/L	0.0009259	0.504141	mg/L	0.0009259	0.18%
QC value within limits for Cd 228.802 Recovery = 100.83%								
Co 228.616†	22032.2	0.512633	mg/L	0.0010085	0.512633	mg/L	0.0010085	0.20%
QC value within limits for Co 228.616 Recovery = 102.53%								
Cr 267.716†	49422.0	0.506951	mg/L	0.0000339	0.506951	mg/L	0.0000339	0.01%
QC value within limits for Cr 267.716 Recovery = 101.39%								
Cu 327.393†	79464.7	0.498236	mg/L	0.0001588	0.498236	mg/L	0.0001588	0.03%
QC value within limits for Cu 327.393 Recovery = 99.65%								
Fe 273.955†	68439.1	4.99736	mg/L	0.011566	4.99736	mg/L	0.011566	0.23%
QC value within limits for Fe 273.955 Recovery = 99.95%								
K 404.721†	1591.2	46.2168	mg/L	0.42819	46.2168	mg/L	0.42819	0.93%
QC value within limits for K 404.721 Recovery = 92.43%								
Mg 279.077†	1057838.1	50.7849	mg/L	0.64205	50.7849	mg/L	0.64205	1.26%
QC value within limits for Mg 279.077 Recovery = 101.57%								
Mn 257.610†	246264.1	0.501205	mg/L	0.0011482	0.501205	mg/L	0.0011482	0.23%
QC value within limits for Mn 257.610 Recovery = 100.24%								
Mo 202.031†	6430.0	0.511151	mg/L	0.0052776	0.511151	mg/L	0.0052776	1.03%
QC value within limits for Mo 202.031 Recovery = 102.23%								
Na 330.237†	45844.3	46.7117	mg/L	0.15476	46.7117	mg/L	0.15476	0.33%
QC value within limits for Na 330.237 Recovery = 93.42%								
Ni 231.604†	30066.2	0.513088	mg/L	0.0021133	0.513088	mg/L	0.0021133	0.41%
QC value within limits for Ni 231.604 Recovery = 102.62%								
Pb 220.353†	6720.7	0.515171	mg/L	0.0051150	0.515171	mg/L	0.0051150	0.99%
QC value within limits for Pb 220.353 Recovery = 103.03%								
Sb 206.836†	933.4	0.502442	mg/L	0.0043380	0.502442	mg/L	0.0043380	0.86%
QC value within limits for Sb 206.836 Recovery = 100.49%								
Se 196.026†	653.4	0.512868	mg/L	0.0086450	0.512868	mg/L	0.0086450	1.69%
QC value within limits for Se 196.026 Recovery = 102.57%								
Sn 189.927†	1632.2	0.514830	mg/L	0.0075017	0.514830	mg/L	0.0075017	1.46%
QC value within limits for Sn 189.927 Recovery = 102.97%								
Ti 334.940†	469561.7	0.497538	mg/L	0.0069464	0.497538	mg/L	0.0069464	1.40%
QC value within limits for Ti 334.940 Recovery = 99.51%								
Tl 190.801†	539.2	0.538887	mg/L	0.0093318	0.538887	mg/L	0.0093318	1.73%
QC value within limits for Tl 190.801 Recovery = 107.78%								
V 290.880†	88674.5	0.502778	mg/L	0.0007866	0.502778	mg/L	0.0007866	0.16%
QC value within limits for V 290.880 Recovery = 100.56%								
Zn 206.200†	22239.7	0.515800	mg/L	0.0018252	0.515800	mg/L	0.0018252	0.35%
QC value within limits for Zn 206.200 Recovery = 103.16%								

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 3/3/2011 4:26:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1326021.0	100.0	%	0.96				0.96%
Y 371.029	559726.4	99.9	%	0.86				0.86%
Ag 328.068†	71.6	0.0010068	mg/L	0.00009483	0.0010068	mg/L	0.00009483	9.42%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-73.2	0.0249597	mg/L	0.00627868	0.0249597	mg/L	0.00627868	25.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.7	0.0004753	mg/L	0.00003139	0.0004753	mg/L	0.00003139	6.60%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	17.5	0.0000172	mg/L	0.00003538	0.0000172	mg/L	0.00003538	205.93%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	118.1	-0.0003717	mg/L	0.00000742	-0.0003717	mg/L	0.00000742	2.00%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	1208.4	-0.240043	mg/L	0.0019012	-0.240043	mg/L	0.0019012	0.79%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	2.2	0.0008995	mg/L	0.00009236	0.0008995	mg/L	0.00009236	10.27%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	8.7	0.0000124	mg/L	0.00024835	0.0000124	mg/L	0.00024835	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-5.4	0.0001087	mg/L	0.00020772	0.0001087	mg/L	0.00020772	191.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	322.2	0.0038964	mg/L	0.00050255	0.0038964	mg/L	0.00050255	12.90%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	-2.7	-0.0005676	mg/L	0.00524707	-0.0005676	mg/L	0.00524707	924.46%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	27.7	0.620813	mg/L	1.3489059	0.620813	mg/L	1.3489059	217.28%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	-54.6	-0.154946	mg/L	0.0064087	-0.154946	mg/L	0.0064087	4.14%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	6.9	-0.0000894	mg/L	0.00004773	-0.0000894	mg/L	0.00004773	53.41%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.7	0.0007826	mg/L	0.00064546	0.0007826	mg/L	0.00064546	82.47%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	62.8	1.08856	mg/L	0.024443	1.08856	mg/L	0.024443	2.25%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	11.1	-0.0006732	mg/L	0.00014975	-0.0006732	mg/L	0.00014975	22.25%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.8	-0.0003774	mg/L	0.00018904	-0.0003774	mg/L	0.00018904	50.08%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.9	-0.0006599	mg/L	0.00171130	-0.0006599	mg/L	0.00171130	259.32%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	5.7	0.0055352	mg/L	0.00186189	0.0055352	mg/L	0.00186189	33.64%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	16.0	0.0032012	mg/L	0.00034935	0.0032012	mg/L	0.00034935	10.91%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	89.6	0.0007268	mg/L	0.00004427	0.0007268	mg/L	0.00004427	6.09%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.4	0.0019837	mg/L	0.00078241	0.0019837	mg/L	0.00078241	39.44%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-54.8	0.0006344	mg/L	0.00039931	0.0006344	mg/L	0.00039931	62.95%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	22.7	-0.0009631	mg/L	0.00002495	-0.0009631	mg/L	0.00002495	2.59%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21
Sample ID: 57100-016
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 3/3/2011 4:30:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-016

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1351061.2	102	%	0.2				0.24%
Y 371.029	571663.0	102	%	0.2				0.18%
Ag 328.068†	80.5	0.0010899	mg/L	0.00009424	0.0010899	mg/L	0.00009424	8.65%
Al 308.215†	5506.5	0.196242	mg/L	0.0044532	0.196242	mg/L	0.0044532	2.27%
As 188.979†	0.4	-0.0020947	mg/L	0.00180872	-0.0020947	mg/L	0.00180872	86.35%
Ba 233.527†	1194.1	0.0063684	mg/L	0.00008041	0.0063684	mg/L	0.00008041	1.26%
Be 313.107†	86.6	-0.0003806	mg/L	0.00000115	-0.0003806	mg/L	0.00000115	0.30%
Ca 315.887†	824090.3	6.43025	mg/L	0.098165	6.43025	mg/L	0.098165	1.53%
Cd 228.802†	4.6	0.0009415	mg/L	0.00013513	0.0009415	mg/L	0.00013513	14.35%
Co 228.616†	3.8	-0.0000982	mg/L	0.00018728	-0.0000982	mg/L	0.00018728	190.61%
Cr 267.716†	155.9	0.0017631	mg/L	0.00006964	0.0017631	mg/L	0.00006964	3.95%
Cu 327.393†	364.1	0.0040574	mg/L	0.00024153	0.0040574	mg/L	0.00024153	5.95%
Fe 273.955†	637.6	0.0460467	mg/L	0.00195937	0.0460467	mg/L	0.00195937	4.26%
K 404.721†	12.8	0.187153	mg/L	1.7971864	0.187153	mg/L	1.7971864	960.27%
Mg 279.077†	1806.8	-0.0653074	mg/L	0.00276695	-0.0653074	mg/L	0.00276695	4.24%
Mn 257.610†	1600.1	0.0031647	mg/L	0.00000479	0.0031647	mg/L	0.00000479	0.15%
Mo 202.031†	24.3	0.0017838	mg/L	0.00037731	0.0017838	mg/L	0.00037731	21.15%
Na 330.237†	663.6	1.68722	mg/L	0.030165	1.68722	mg/L	0.030165	1.79%
Ni 231.604†	91.3	0.0006978	mg/L	0.00010067	0.0006978	mg/L	0.00010067	14.43%
Pb 220.353†	32.7	0.0018408	mg/L	0.00050794	0.0018408	mg/L	0.00050794	27.59%
Sb 206.836†	-1.9	-0.0006780	mg/L	0.00022489	-0.0006780	mg/L	0.00022489	33.17%
Se 196.026†	6.1	0.0057883	mg/L	0.00045999	0.0057883	mg/L	0.00045999	7.95%
Sn 189.927†	6.7	0.0003923	mg/L	0.00004405	0.0003923	mg/L	0.00004405	11.23%
Ti 334.940†	1224.0	0.0019273	mg/L	0.00008200	0.0019273	mg/L	0.00008200	4.25%
Tl 190.801†	2.7	0.0023546	mg/L	0.00145549	0.0023546	mg/L	0.00145549	61.81%
V 290.880†	-96.2	0.0003965	mg/L	0.00010304	0.0003965	mg/L	0.00010304	25.99%
Zn 206.200†	429.8	0.0085440	mg/L	0.00004113	0.0085440	mg/L	0.00004113	0.48%

Sequence No.: 22
Sample ID: EF-DIH2O 2/25
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 3/3/2011 4:34:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: EF-DIH2O 2/25

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1362015.5	103	%	0.6				0.55%
Y 371.029	574884.4	103	%	0.5				0.51%
Ag 328.068†	65.1	0.0009463	mg/L	0.00015782	0.0009463	mg/L	0.00015782	16.68%
Al 308.215†	127.3	0.0311307	mg/L	0.00071484	0.0311307	mg/L	0.00071484	2.30%
As 188.979†	4.1	0.0007725	mg/L	0.00113462	0.0007725	mg/L	0.00113462	146.87%
Ba 233.527†	51.9	0.0002023	mg/L	0.00007362	0.0002023	mg/L	0.00007362	36.39%
Be 313.107†	9.2	-0.0004009	mg/L	0.00001021	-0.0004009	mg/L	0.00001021	2.55%
Ca 315.887†	29475.5	-0.0109091	mg/L	0.00060364	-0.0109091	mg/L	0.00060364	5.53%
Cd 228.802†	8.7	0.0010193	mg/L	0.00002697	0.0010193	mg/L	0.00002697	2.65%
Co 228.616†	2.3	-0.0001396	mg/L	0.00008687	-0.0001396	mg/L	0.00008687	62.24%
Cr 267.716†	22.0	0.0003865	mg/L	0.00000911	0.0003865	mg/L	0.00000911	2.36%
Cu 327.393†	256.2	0.0034803	mg/L	0.00025981	0.0034803	mg/L	0.00025981	7.47%
Fe 273.955†	382.3	0.0274377	mg/L	0.00075599	0.0274377	mg/L	0.00075599	2.76%
K 404.721†	-49.1	-1.61989	mg/L	1.311676	-1.61989	mg/L	1.311676	80.97%
Mg 279.077†	14.3	-0.151637	mg/L	0.0016377	-0.151637	mg/L	0.0016377	1.08%
Mn 257.610†	131.6	0.0001663	mg/L	0.00000521	0.0001663	mg/L	0.00000521	3.13%
Mo 202.031†	1.9	0.0001522	mg/L	0.00049917	0.0001522	mg/L	0.00049917	327.88%
Na 330.237†	85.7	1.11133	mg/L	0.037145	1.11133	mg/L	0.037145	3.34%
Ni 231.604†	8.9	-0.0007109	mg/L	0.00015776	-0.0007109	mg/L	0.00015776	22.19%
Pb 220.353†	-9.1	-0.0013659	mg/L	0.00021991	-0.0013659	mg/L	0.00021991	16.10%
Sb 206.836†	-1.8	-0.0006085	mg/L	0.00060077	-0.0006085	mg/L	0.00060077	98.73%
Se 196.026†	0.7	0.0016157	mg/L	0.00550585	0.0016157	mg/L	0.00550585	340.76%
Sn 189.927†	7.9	0.0006503	mg/L	0.00142629	0.0006503	mg/L	0.00142629	219.33%
Ti 334.940†	129.2	0.0007687	mg/L	0.00003779	0.0007687	mg/L	0.00003779	4.92%
Tl 190.801†	0.2	-0.0001927	mg/L	0.00154792	-0.0001927	mg/L	0.00154792	803.29%
V 290.880†	-159.5	0.0000391	mg/L	0.00036185	0.0000391	mg/L	0.00036185	924.72%
Zn 206.200†	218.2	0.0035884	mg/L	0.00022782	0.0035884	mg/L	0.00022782	6.35%

Sequence No.: 23
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/3/2011 4:37:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Calib Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Sc 361.383	1194598.9	90.1	%	0.62				0.69%
Y 371.029	496084.3	88.6	%	0.61				0.69%
Ag 328.068†	-411.0	-0.0002247	mg/L	0.00052271	-0.0002247	mg/L	0.00052271	232.64%
Al 308.215†	16469461.5	505.679	mg/L	0.5504	505.679	mg/L	0.5504	0.11%
QC value within limits for Al 308.215 Recovery = 101.14%								
As 188.979†	-28.7	0.0022892	mg/L	0.00769384	0.0022892	mg/L	0.00769384	336.10%
Ba 233.527†	718.9	0.0018065	mg/L	0.00003633	0.0018065	mg/L	0.00003633	2.01%
Be 313.107†	-2656.3	0.0003769	mg/L	0.00001352	0.0003769	mg/L	0.00001352	3.59%
Ca 315.887†	59832407.3	484.752	mg/L	0.7223	484.752	mg/L	0.7223	0.15%
QC value within limits for Ca 315.887 Recovery = 96.95%								
Cd 228.802†	252.3	0.0001377	mg/L	0.00014387	0.0001377	mg/L	0.00014387	104.45%
Co 228.616†	-167.6	-0.0015370	mg/L	0.00002773	-0.0015370	mg/L	0.00002773	1.80%
Cr 267.716†	-150.3	0.0053520	mg/L	0.00008731	0.0053520	mg/L	0.00008731	1.63%
Cu 327.393†	1689.0	0.0051325	mg/L	0.00046683	0.0051325	mg/L	0.00046683	9.10%
Fe 273.955†	2557101.3	186.215	mg/L	0.2792	186.215	mg/L	0.2792	0.15%
QC value within limits for Fe 273.955 Recovery = 93.11%								
K 404.721†	-314.1	-9.34753	mg/L	0.259530	-9.34753	mg/L	0.259530	2.78%
Mg 279.077†	10522692.7	506.456	mg/L	0.5514	506.456	mg/L	0.5514	0.11%
QC value within limits for Mg 279.077 Recovery = 101.29%								
Mn 257.610†	-4890.9	-0.0247250	mg/L	0.00031582	-0.0247250	mg/L	0.00031582	1.28%
Mo 202.031†	98.2	0.0083362	mg/L	0.00006529	0.0083362	mg/L	0.00006529	0.78%
Na 330.237†	722.1	1.74553	mg/L	0.007490	1.74553	mg/L	0.007490	0.43%
Ni 231.604†	-23.2	-0.0012557	mg/L	0.00007155	-0.0012557	mg/L	0.00007155	5.70%
Pb 220.353†	-1028.1	0.0018376	mg/L	0.00112881	0.0018376	mg/L	0.00112881	61.43%
Sb 206.836†	-44.8	-0.0027458	mg/L	0.00290035	-0.0027458	mg/L	0.00290035	105.63%
Se 196.026†	-52.4	-0.0371524	mg/L	0.00382874	-0.0371524	mg/L	0.00382874	10.31%
Sn 189.927†	-7.5	-0.0005087	mg/L	0.00163783	-0.0005087	mg/L	0.00163783	321.96%
Ti 334.940†	2018.9	0.0027685	mg/L	0.00004463	0.0027685	mg/L	0.00004463	1.61%
Tl 190.801†	-18.9	-0.0035274	mg/L	0.00287615	-0.0035274	mg/L	0.00287615	81.54%
V 290.880†	4932.2	0.0078875	mg/L	0.00071124	0.0078875	mg/L	0.00071124	9.02%
Zn 206.200†	425.2	0.0034518	mg/L	0.00000476	0.0034518	mg/L	0.00000476	0.14%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/3/2011 4:43:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1211143.4	91.3	%	0.86				0.94%
Y 371.029	502662.6	89.8	%	0.83				0.92%
Ag 328.068†	107751.8	1.02694	mg/L	0.000204	1.02694	mg/L	0.000204	0.02%
QC value within limits for Ag 328.068 Recovery = 102.69%								
Al 308.215†	16220443.2	498.033	mg/L	2.0128	498.033	mg/L	2.0128	0.40%
QC value within limits for Al 308.215 Recovery = 99.61%								
As 188.979†	1345.6	1.03145	mg/L	0.002721	1.03145	mg/L	0.002721	0.26%
QC value within limits for As 188.979 Recovery = 103.15%								
Ba 233.527†	95082.5	0.511233	mg/L	0.0001921	0.511233	mg/L	0.0001921	0.04%
QC value within limits for Ba 233.527 Recovery = 102.25%								
Be 313.107†	1847652.8	0.499826	mg/L	0.0001338	0.499826	mg/L	0.0001338	0.03%
QC value within limits for Be 313.107 Recovery = 99.97%								
Ca 315.887†	59117284.8	478.955	mg/L	0.9742	478.955	mg/L	0.9742	0.20%
QC value within limits for Ca 315.887 Recovery = 95.79%								
Cd 228.802†	54912.3	1.01635	mg/L	0.000074	1.01635	mg/L	0.000074	0.01%
QC value within limits for Cd 228.802 Recovery = 101.63%								
Co 228.616†	20398.9	0.476561	mg/L	0.0029259	0.476561	mg/L	0.0029259	0.61%
QC value within limits for Co 228.616 Recovery = 95.31%								
Cr 267.716†	47754.4	0.493979	mg/L	0.0001093	0.493979	mg/L	0.0001093	0.02%
QC value within limits for Cr 267.716 Recovery = 98.80%								
Cu 327.393†	84696.8	0.524815	mg/L	0.0001488	0.524815	mg/L	0.0001488	0.03%
QC value within limits for Cu 327.393 Recovery = 104.96%								
Fe 273.955†	2535181.8	184.619	mg/L	0.0350	184.619	mg/L	0.0350	0.02%
QC value within limits for Fe 273.955 Recovery = 92.31%								
K 404.721†	-456.5	-13.5008	mg/L	1.76857	-13.5008	mg/L	1.76857	13.10%
Mg 279.077†	10408732.1	500.970	mg/L	1.3375	500.970	mg/L	1.3375	0.27%
QC value within limits for Mg 279.077 Recovery = 100.19%								
Mn 257.610†	238656.2	0.473119	mg/L	0.0000331	0.473119	mg/L	0.0000331	0.01%
QC value within limits for Mn 257.610 Recovery = 94.62%								
Mo 202.031†	89.7	0.0076117	mg/L	0.00094689	0.0076117	mg/L	0.00094689	12.44%
Na 330.237†	1985.1	3.00414	mg/L	0.051919	3.00414	mg/L	0.051919	1.73%
Ni 231.604†	54638.8	0.932513	mg/L	0.0010583	0.932513	mg/L	0.0010583	0.11%
QC value within limits for Ni 231.604 Recovery = 93.25%								
Pb 220.353†	11587.1	0.966422	mg/L	0.0014998	0.966422	mg/L	0.0014998	0.16%
QC value within limits for Pb 220.353 Recovery = 96.64%								
Sb 206.836†	1898.9	1.04218	mg/L	0.004340	1.04218	mg/L	0.004340	0.42%
QC value within limits for Sb 206.836 Recovery = 104.22%								
Se 196.026†	1252.3	0.984312	mg/L	0.0061978	0.984312	mg/L	0.0061978	0.63%
QC value within limits for Se 196.026 Recovery = 98.43%								
Sn 189.927†	-3.2	0.0008344	mg/L	0.00471872	0.0008344	mg/L	0.00471872	565.55%
Ti 334.940†	2436.3	0.0032101	mg/L	0.00002293	0.0032101	mg/L	0.00002293	0.71%
Tl 190.801†	977.7	0.989437	mg/L	0.0152378	0.989437	mg/L	0.0152378	1.54%
QC value within limits for Tl 190.801 Recovery = 98.94%								
V 290.880†	90588.3	0.493985	mg/L	0.0002488	0.493985	mg/L	0.0002488	0.05%
QC value within limits for V 290.880 Recovery = 98.80%								
Zn 206.200†	42699.1	0.987395	mg/L	0.0014887	0.987395	mg/L	0.0014887	0.15%
QC value within limits for Zn 206.200 Recovery = 98.74%								

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/3/2011 4:48:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1300260.0	98.0	%	0.70				0.71%
Y 371.029	543019.9	97.0	%	0.70				0.72%
Ag 328.068†	10584.0	0.100207	mg/L	0.0004860	0.100207	mg/L	0.0004860	0.49%
QC value within limits for Ag 328.068 Recovery = 100.21%								
Al 308.215†	160740.6	4.95050	mg/L	0.037920	4.95050	mg/L	0.037920	0.77%
QC value within limits for Al 308.215 Recovery = 99.01%								
As 188.979†	682.3	0.508006	mg/L	0.0083298	0.508006	mg/L	0.0083298	1.64%
QC value within limits for As 188.979 Recovery = 101.60%								
Ba 233.527†	94697.6	0.511081	mg/L	0.0026405	0.511081	mg/L	0.0026405	0.52%
QC value within limits for Ba 233.527 Recovery = 102.22%								
Be 313.107†	1880060.3	0.506810	mg/L	0.0072442	0.506810	mg/L	0.0072442	1.43%
QC value within limits for Be 313.107 Recovery = 101.36%								
Ca 315.887†	6350649.9	51.2286	mg/L	0.70958	51.2286	mg/L	0.70958	1.39%
QC value within limits for Ca 315.887 Recovery = 102.46%								
Cd 228.802†	27228.3	0.506952	mg/L	0.0027203	0.506952	mg/L	0.0027203	0.54%
QC value within limits for Cd 228.802 Recovery = 101.39%								
Co 228.616†	22177.3	0.516003	mg/L	0.0026572	0.516003	mg/L	0.0026572	0.51%
QC value within limits for Co 228.616 Recovery = 103.20%								
Cr 267.716†	49694.2	0.509726	mg/L	0.0032105	0.509726	mg/L	0.0032105	0.63%
QC value within limits for Cr 267.716 Recovery = 101.95%								
Cu 327.393†	79999.3	0.501580	mg/L	0.0036914	0.501580	mg/L	0.0036914	0.74%
QC value within limits for Cu 327.393 Recovery = 100.32%								
Fe 273.955†	68904.0	5.03121	mg/L	0.034679	5.03121	mg/L	0.034679	0.69%
QC value within limits for Fe 273.955 Recovery = 100.62%								
K 404.721†	1552.7	45.0962	mg/L	2.55926	45.0962	mg/L	2.55926	5.68%
QC value within limits for K 404.721 Recovery = 90.19%								
Mg 279.077†	1059661.6	50.8727	mg/L	0.71163	50.8727	mg/L	0.71163	1.40%
QC value within limits for Mg 279.077 Recovery = 101.75%								
Mn 257.610†	247739.6	0.504217	mg/L	0.0033006	0.504217	mg/L	0.0033006	0.65%
QC value within limits for Mn 257.610 Recovery = 100.84%								
Mo 202.031†	6420.2	0.510373	mg/L	0.0080970	0.510373	mg/L	0.0080970	1.59%
QC value within limits for Mo 202.031 Recovery = 102.07%								
Na 330.237†	45977.8	46.8448	mg/L	0.12478	46.8448	mg/L	0.12478	0.27%
QC value within limits for Na 330.237 Recovery = 93.69%								
Ni 231.604†	30194.4	0.515278	mg/L	0.0038812	0.515278	mg/L	0.0038812	0.75%
QC value within limits for Ni 231.604 Recovery = 103.06%								
Pb 220.353†	6729.8	0.515869	mg/L	0.0054716	0.515869	mg/L	0.0054716	1.06%
QC value within limits for Pb 220.353 Recovery = 103.17%								
Sb 206.836†	940.5	0.506231	mg/L	0.0091358	0.506231	mg/L	0.0091358	1.80%
QC value within limits for Sb 206.836 Recovery = 101.25%								
Se 196.026†	661.6	0.519351	mg/L	0.0014008	0.519351	mg/L	0.0014008	0.27%
QC value within limits for Se 196.026 Recovery = 103.87%								
Sn 189.927†	1636.2	0.516078	mg/L	0.0068612	0.516078	mg/L	0.0068612	1.33%
QC value within limits for Sn 189.927 Recovery = 103.22%								
Ti 334.940†	470184.0	0.498197	mg/L	0.0071709	0.498197	mg/L	0.0071709	1.44%
QC value within limits for Ti 334.940 Recovery = 99.64%								
Tl 190.801†	539.4	0.539079	mg/L	0.0079676	0.539079	mg/L	0.0079676	1.48%
QC value within limits for Tl 190.801 Recovery = 107.82%								
V 290.880†	89353.1	0.506625	mg/L	0.0032980	0.506625	mg/L	0.0032980	0.65%
QC value within limits for V 290.880 Recovery = 101.32%								
Zn 206.200†	22434.0	0.520321	mg/L	0.0040564	0.520321	mg/L	0.0040564	0.78%
QC value within limits for Zn 206.200 Recovery = 104.06%								

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/3/2011 4:52:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1339096.3	101	%	0.7				0.66%
Y 371.029	565322.6	101	%	0.6				0.61%
Ag 328.068†	66.6	0.0009602	mg/L	0.00056742	0.0009602	mg/L	0.00056742	59.09%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-60.7	0.0253581	mg/L	0.00658437	0.0253581	mg/L	0.00658437	25.97%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.7	0.0004209	mg/L	0.00019282	0.0004209	mg/L	0.00019282	45.81%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.9	-0.0000566	mg/L	0.00017718	-0.0000566	mg/L	0.00017718	313.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	90.2	-0.0003792	mg/L	0.00000232	-0.0003792	mg/L	0.00000232	0.61%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	1259.4	-0.239629	mg/L	0.0028529	-0.239629	mg/L	0.0028529	1.19%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	14.6	0.0011297	mg/L	0.00015224	0.0011297	mg/L	0.00015224	13.48%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.7	-0.0001303	mg/L	0.00002404	-0.0001303	mg/L	0.00002404	18.44%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-2.1	0.0001394	mg/L	0.00025138	0.0001394	mg/L	0.00025138	180.34%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	301.3	0.0037661	mg/L	0.00003128	0.0037661	mg/L	0.00003128	0.83%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	39.3	0.0024848	mg/L	0.00054845	0.0024848	mg/L	0.00054845	22.07%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-22.3	-0.838517	mg/L	2.3769751	-0.838517	mg/L	2.3769751	283.47%
QC value within limits for K 404.721 Recovery = Not calculated								
Mg 279.077†	73.4	-0.148792	mg/L	0.0029992	-0.148792	mg/L	0.0029992	2.02%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-11.7	-0.0001278	mg/L	0.00005126	-0.0001278	mg/L	0.00005126	40.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.0	0.0001667	mg/L	0.00041319	0.0001667	mg/L	0.00041319	247.89%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	98.1	1.12366	mg/L	0.024504	1.12366	mg/L	0.024504	2.18%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	15.1	-0.0006066	mg/L	0.00006814	-0.0006066	mg/L	0.00006814	11.23%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.3	-0.0003406	mg/L	0.00073264	-0.0003406	mg/L	0.00073264	215.10%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.6	0.0023147	mg/L	0.00165147	0.0023147	mg/L	0.00165147	71.35%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.2	0.0027334	mg/L	0.00172531	0.0027334	mg/L	0.00172531	63.12%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	13.3	0.0023280	mg/L	0.00026493	0.0023280	mg/L	0.00026493	11.38%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	56.9	0.0006922	mg/L	0.00007218	0.0006922	mg/L	0.00007218	10.43%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.5	0.0000925	mg/L	0.00230994	0.0000925	mg/L	0.00230994	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-107.7	0.0003341	mg/L	0.00037717	0.0003341	mg/L	0.00037717	112.88%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	30.9	-0.0007717	mg/L	0.00006742	-0.0007717	mg/L	0.00006742	8.74%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Method: HGCV2 SPLP (7470A) Page 1 Date: 3/3/2011 4:59:19 PM

1st Rev gja 3/4/11 V-109721

Analysis Begun

Logged In Analyst: johns Technique: AA FIMS-MHS
Spectrometer Model: FIMS-100, S/N B050-9550 Autosampler Model: AS-90

shia 3/4/11

Sample Information File: C:\data-AA\johns\Sample Information\H12357S.sif
Batch ID: H12358SP
Results Data Set: H12358SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A) Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 3/3/2011 4:53:52 PM
Analyst: Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0013	0.0037	0.0013	16:54:48	Yes
2		[0.00]	0.0013	0.0045	0.0013	16:55:21	Yes
Mean:		[0.00]	0.0013				
SD:		0.00	0.0000				
%RSD:		0.00	2.95				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: .2 PPB Date Collected: 3/3/2011 4:55:22 PM
Analyst: Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0011	0.0069	0.0024	16:56:18	Yes
2		[0.2]	0.0010	0.0066	0.0023	16:56:50	Yes
Mean:		[0.2]	0.0011				
SD:		0.0	0.0000				
%RSD:		0.0	3.68				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00532 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: .5 PPB Date Collected: 3/3/2011 4:56:52 PM
Analyst: Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0025	0.0109	0.0038	16:57:47	Yes
2		[0.5]	0.0026	0.0111	0.0039	16:58:20	Yes
Mean:		[0.5]	0.0025				
SD:		0.0	0.0001				
%RSD:		0.0	3.16				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999747 Slope: 0.00506 Intercept: 0.00002

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1 PPB Date Collected: 3/3/2011 4:58:21 PM
Analyst: Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0051	0.0181	0.0065	16:59:17	Yes
2	[1]	0.0052	0.0184	0.0065	16:59:50	Yes
Mean:	[1]	0.0052				
SD:	0	0.0000				
%RSD:	0	0.49				

Standard number 3 applied. [1]
Correlation Coef.: 0.999902 Slope: 0.00515 Intercept: 0.00000

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 3/3/2011 4:59:51 PM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0101	0.0327	0.0114	17:00:47	Yes
2		[2]	0.0100	0.0334	0.0113	17:01:20	Yes
Mean:		[2]	0.0101				
SD:		0	0.0001				
%RSD:		0	0.89				

Standard number 4 applied. [2]
Correlation Coef.: 0.999903 Slope: 0.00503 Intercept: 0.00004

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 3/3/2011 5:01:21 PM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0254	0.0774	0.0267	17:02:16	Yes
2		[5]	0.0254	0.0767	0.0267	17:02:49	Yes
Mean:		[5]	0.0254				
SD:		0	0.0000				
%RSD:		0	0.10				

Standard number 5 applied. [5]
Correlation Coef.: 0.999982 Slope: 0.00507 Intercept: 0.00002

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 3/3/2011 5:02:50 PM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0520	0.1558	0.0533	17:03:46	Yes
2		[10]	0.0511	0.1532	0.0524	17:04:18	Yes
Mean:		[10]	0.0516				
SD:		0	0.0007				
%RSD:		0	1.27				

Standard number 6 applied. [10]
Correlation Coef.: 0.999964 Slope: 0.00515 Intercept: -0.00007

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 3/3/2011 5:04:20 PM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1193	0.3501	0.1206	17:05:16	Yes
2		[25]	0.1188	0.3499	0.1201	17:05:48	Yes
Mean:		[25]	0.1191				
SD:		0	0.0003				
%RSD:		0	0.29				

Standard number 7 applied. [25]
Correlation Coef.: 0.999469 Slope: 0.00479 Intercept: 0.00071

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.149	0.00	3.0
.2 PPB	0.0011	0.2	0.073	0.00	3.7
.5 PPB	0.0025	0.5	0.381	0.00	3.2
1 PPB	0.0052	1.0	0.930	0.00	0.5
2 PPB	0.0101	2.0	1.954	0.00	0.9
5 PPB	0.0254	5.0	5.156	0.00	0.1
10 PPB	0.0516	10.0	10.626	0.00	1.3
25 PPB	0.1191	25.0	24.728	0.00	0.3

Correlation Coef.: 0.999469 Slope: 0.00479 Intercept: 0.00071

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 3/3/2011 5:05:50 PM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.32	20.32	0.0980	0.2876	0.0993	17:06:49	Yes
2	20.08	20.08	0.0968	0.2838	0.0981	17:07:21	Yes
Mean:	20.20	20.20	0.0974				
SD:	0.168	0.168	0.0008				
%RSD:	0.833	0.833	0.83				

QC value within limits for Hg 253.7 Recovery = 100.99%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 3/3/2011 5:07:22 PM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.152	-0.152	-0.0000	0.0039	0.0013	17:08:18	Yes
2	-0.150	-0.150	-0.0000	0.0040	0.0013	17:08:51	Yes
Mean:	-0.151	-0.151	-0.0000				
SD:	0.002	0.002	0.0000				
%RSD:	1.211	1.211	84.75				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3382 (1) Date Collected: 3/3/2011 5:08:52 PM
Analyst: Data Type: Original

Replicate Data: MB 3382 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.136	-0.136	0.0001	0.0040	0.0014	17:09:49	Yes
2	-0.139	-0.139	0.0000	0.0041	0.0013	17:10:21	Yes
Mean:	-0.138	-0.138	0.0001				
SD:	0.002	0.002	0.0000				
%RSD:	1.346	1.346	16.48				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3382 Date Collected: 3/3/2011 5:10:23 PM
Analyst: Data Type: Original

Replicate Data: LCSW 3382

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.53	10.53	0.0511	0.1509	0.0524	17:11:18	Yes
2	10.42	10.42	0.0506	0.1491	0.0519	17:11:51	Yes
Mean:	10.48	10.48	0.0509				

SD:	0.075	0.075	0.0004
%RSD:	0.719	0.719	0.71

Sequence No.: 13 Autosampler Location: 13
Sample ID: LCSW MR 3382 Date Collected: 3/3/2011 5:11:52 PM
Analyst: Data Type: Original

Replicate Data: LCSW MR 3382

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.50	10.50	0.0510	0.1509	0.0523	17:12:48	Yes
2	10.34	10.34	0.0502	0.1493	0.0515	17:13:21	Yes
Mean:	10.42	10.42	0.0506				
SD:	0.119	0.119	0.0006				
%RSD:	1.139	1.139	1.12				

Sequence No.: 14 Autosampler Location: 14
Sample ID: 57098-015 Date Collected: 3/3/2011 5:13:22 PM
Analyst: Data Type: Original

Replicate Data: 57098-015

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.140	-0.140	0.0000	0.0042	0.0013	17:14:18	Yes
2	-0.160	-0.160	-0.0001	0.0033	0.0012	17:14:50	Yes
Mean:	-0.150	-0.150	-0.0000				
SD:	0.014	0.014	0.0001				
%RSD:	9.167	9.167	>999.9%				

Sequence No.: 15 Autosampler Location: 15
Sample ID: 57098-015 MR Date Collected: 3/3/2011 5:14:51 PM
Analyst: Data Type: Original

Replicate Data: 57098-015 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.129	-0.129	0.0001	0.0047	0.0014	17:15:47	Yes
2	-0.156	-0.156	-0.0000	0.0026	0.0013	17:16:19	Yes
Mean:	-0.143	-0.143	0.0000				
SD:	0.019	0.019	0.0001				
%RSD:	13.16	13.16	301.91				

Sequence No.: 16 Autosampler Location: 16
Sample ID: 57098-015 SPLP SPK Date Collected: 3/3/2011 5:16:21 PM
Analyst: Data Type: Original

Replicate Data: 57098-015 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.26	10.26	0.0498	0.1483	0.0511	17:17:16	Yes
2	10.45	10.45	0.0507	0.1499	0.0520	17:17:48	Yes
Mean:	10.36	10.36	0.0503				
SD:	0.136	0.136	0.0007				
%RSD:	1.318	1.318	1.30				

Sequence No.: 17 Autosampler Location: 17
Sample ID: 57100-016 Date Collected: 3/3/2011 5:17:50 PM
Analyst: Data Type: Original

Replicate Data: 57100-016

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.150	-0.150	-0.0000	0.0039	0.0013	17:18:45	Yes
2	-0.135	-0.135	0.0001	0.0044	0.0014	17:19:18	Yes
Mean:	-0.142	-0.142	0.0000				
SD:	0.011	0.011	0.0001				

%RSD: 7.784 7.784 172.87

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK 2/25 **Date Collected: 3/3/2011 5:19:19 PM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK 2/25

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.170	-0.170	-0.0001	0.0024	0.0012	17:20:15	Yes
2	-0.153	-0.153	-0.0000	0.0039	0.0013	17:20:48	Yes
Mean:	-0.161	-0.161	-0.0001				
SD:	0.012	0.012	0.0001				
%RSD:	7.262	7.262	94.21				

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 3/3/2011 5:20:49 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.20	10.20	0.0495	0.1461	0.0508	17:21:47	Yes
2	10.21	10.21	0.0496	0.1456	0.0509	17:22:20	Yes
Mean:	10.21	10.21	0.0496				
SD:	0.008	0.008	0.0000				
%RSD:	0.076	0.076	0.08				

QC value within limits for Hg 253.7 Recovery = 102.06%
All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 3/3/2011 5:22:21 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.154	-0.154	-0.0000	0.0034	0.0013	17:23:17	Yes
2	-0.158	-0.158	-0.0000	0.0033	0.0013	17:23:50	Yes
Mean:	-0.156	-0.156	-0.0000				
SD:	0.003	0.003	0.0000				
%RSD:	2.110	2.110	45.62				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

File SP12376A2 Batch 12376 SPLP 0741

Method: PE2 4300DV AXIAL Page 1 Date: 3/7/2011 3:22:26 PM

Analyst S Bch 3/7/11

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Analysis Begun

Start Time: 3/7/2011 3:18:57 PM
Logged In Analyst: shiamala
Spectrometer Model: Optima 4300 DV, S/N 077N1030901
Plasma On Time: 3/7/2011 11:09:11 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\administrator\Sample Information\11190.sif
Batch ID: 11227
Results Data Set: SP12176A2
Results Library: C:\pe\administrator\Results\Results.mdb

3/21/11

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Method Loaded
Method Name: PE2 4300DV AXIAL
IEC File: IEC092710.iec
Method Description: 200.7/6010B
Method Last Saved: 2/25/2011 4:01:18 PM
MSF File:

==========

Sequence No.: 1
Sample ID: Calib Blk 1 V-108505
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 3/7/2011 3:18:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blk 1 V-108505

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1646996.6	10353.69	0.63%	100	%
Y 371.029	692282.8	4130.45	0.60%	100	%
Ag 328.068†	387.1	93.28	24.10%	[0.00]	mg/L
Al 308.215†	18934.7	87.23	0.46%	[0.00]	mg/L
As 188.979†	-14.2	4.43	31.20%	[0.00]	mg/L
Ba 233.527†	-1211.1	1.46	0.12%	[0.00]	mg/L
Be 313.107†	-1862.2	10.80	0.58%	[0.00]	mg/L
Ca 315.887†	-60706.3	242.73	0.40%	[0.00]	mg/L
Cd 228.802†	519.1	3.29	0.63%	[0.00]	mg/L
Co 228.616†	170.1	5.69	3.35%	[0.00]	mg/L
Cr 267.716†	371.1	32.90	8.87%	[0.00]	mg/L
Cu 327.393†	-4119.6	32.17	0.78%	[0.00]	mg/L
Fe 273.955†	-6046.9	44.65	0.74%	[0.00]	mg/L
K 404.721†	3316.9	55.59	1.68%	[0.00]	mg/L
Mg 279.077†	-6465.3	102.91	1.59%	[0.00]	mg/L
Mn 257.610†	-3060.1	19.90	0.65%	[0.00]	mg/L
Mo 202.031†	36.3	5.37	14.82%	[0.00]	mg/L
Na 330.237†	-587.0	48.14	8.20%	[0.00]	mg/L
Ni 231.604†	88.1	3.49	3.96%	[0.00]	mg/L
Pb 220.353†	-68.6	8.19	11.93%	[0.00]	mg/L
Sb 206.836†	10.3	2.87	27.76%	[0.00]	mg/L
Se 196.026†	50.2	7.02	13.98%	[0.00]	mg/L
Sn 189.927†	22.9	8.53	37.19%	[0.00]	mg/L
Ti 334.940†	2755.5	20.20	0.73%	[0.00]	mg/L
Tl 190.801†	-18.5	2.24	12.10%	[0.00]	mg/L
V 290.880†	7120.7	7.89	0.11%	[0.00]	mg/L
Zn 206.200†	-77.0	6.36	8.26%	[0.00]	mg/L

12376

all elements reported

Sequence No.: 2
Sample ID: Calib 1 V-104185
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/7/2011 3:23:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 1 V-104185

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1671790.6	6999.53	0.42%	102	%
Y 371.029	699712.9	2655.24	0.38%	101	%
As 188.979†	10.6	5.59	52.80%	[0.005]	mg/L
Be 313.107†	13967.7	76.48	0.55%	[0.003]	mg/L
Cd 228.802†	200.9	1.05	0.52%	[0.003]	mg/L
Pb 220.353†	81.9	6.66	8.13%	[0.004]	mg/L
Tl 190.801†	11.8	1.20	10.16%	[0.005]	mg/L

Sequence No.: 3
Sample ID: Calib 2 V-106426
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/7/2011 3:27:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 2 V-106426

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1665586.1	5929.56	0.36%	101	%
Y 371.029	696640.4	2766.64	0.40%	101	%
Ag 328.068†	385.9	24.29	6.30%	[0.002]	mg/L
Al 308.215†	4295.3	112.65	2.62%	[0.10]	mg/L
As 188.979†	13.5	5.86	43.41%	[0.010]	mg/L
Ba 233.527†	2298.9	12.45	0.54%	[0.010]	mg/L
Be 313.107†	41023.1	249.53	0.61%	[0.010]	mg/L
Ca 315.887†	174869.6	1851.66	1.06%	[1.0]	mg/L
Cd 228.802†	596.3	1.54	0.26%	[0.010]	mg/L
Co 228.616†	533.9	11.82	2.21%	[0.010]	mg/L
Cr 267.716†	1146.7	44.47	3.88%	[0.010]	mg/L
Cu 327.393†	2469.2	77.42	3.14%	[0.010]	mg/L
Fe 273.955†	1858.3	24.37	1.31%	[0.10]	mg/L
K 404.721†	-21.8	90.44	414.91%	[1.0]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Mg 279.077†	28928.7	128.39	0.44%	[1.0]	mg/L
Mn 257.610†	8171.5	77.45	0.95%	[0.010]	mg/L
Mo 202.031†	185.0	2.78	1.50%	[0.010]	mg/L
Na 330.237†	1015.8	77.22	7.60%	[1.0]	mg/L
Ni 231.604†	751.1	14.35	1.91%	[0.010]	mg/L
Pb 220.353†	156.2	26.20	16.77%	[0.010]	mg/L
Sb 206.836†	23.1	0.88	3.83%	[0.010]	mg/L
Se 196.026†	14.4	7.14	49.51%	[0.010]	mg/L
189.927†	41.3	2.93	7.09%	[0.010]	mg/L
Ti 334.940†	10902.2	41.66	0.38%	[0.010]	mg/L
Tl 190.801†	15.9	3.47	21.83%	[0.010]	mg/L
V 290.880†	2039.5	33.30	1.63%	[0.010]	mg/L
Zn 206.200†	598.2	5.76	0.96%	[0.010]	mg/L

Sequence No.: 4
Sample ID: Calib 3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/7/2011 3:30:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 3 V-106427

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1554738.9	3896.86	0.25%	94.4	%
Y 371.029	638818.8	1779.44	0.28%	92.3	%
Ag 328.068†	17030.8	65.23	0.38%	[0.10]	mg/L
Al 308.215†	218591.7	78.84	0.04%	[5.0]	mg/L
As 188.979†	929.6	5.35	0.58%	[0.50]	mg/L
Ba 233.527†	116721.0	182.17	0.16%	[0.50]	mg/L
Be 313.107†	2287103.3	7396.88	0.32%	[0.50]	mg/L
Ca 315.887†	8472052.4	28891.09	0.34%	[50]	mg/L
Cd 228.802†	33784.4	36.72	0.11%	[0.50]	mg/L
Co 228.616†	28597.7	13.90	0.05%	[0.50]	mg/L
Cr 267.716†	62280.4	119.79	0.19%	[0.50]	mg/L
Cu 327.393†	97787.2	43.32	0.04%	[0.50]	mg/L
Fe 273.955†	96451.4	211.73	0.22%	[5.0]	mg/L
K 404.721†	3045.9	15.30	0.50%	[50]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Mg 279.077†	1403035.2	9646.43	0.69%	[50]	mg/L
Mn 257.610†	323330.3	363.59	0.11%	[0.50]	mg/L
Mo 202.031†	9509.3	58.58	0.62%	[0.50]	mg/L
Na 330.237†	65518.3	73.58	0.11%	[50]	mg/L
Ni 231.604†	38470.5	84.93	0.22%	[0.50]	mg/L
Pb 220.353†	8768.7	49.36	0.56%	[0.50]	mg/L
Sb 206.836†	958.5	2.34	0.24%	[0.50]	mg/L
Se 196.026†	903.2	11.41	1.26%	[0.50]	mg/L
Sn 189.927†	2262.9	5.80	0.26%	[0.50]	mg/L
Ti 334.940†	559048.5	3282.08	0.59%	[0.50]	mg/L
Tl 190.801†	785.3	7.69	0.98%	[0.50]	mg/L
V 290.880†	112251.2	62.27	0.06%	[0.50]	mg/L
Zn 206.200†	29531.3	175.17	0.59%	[0.50]	mg/L

Sequence No.: 5
Sample ID: Calib 4 V-108511
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/7/2011 3:34:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib 4 V-108511

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1501365.6	2059.04	0.14%	91.2	%
Y 371.029	614924.7	897.15	0.15%	88.8	%
Ag 328.068†	33926.9	47.16	0.14%	[0.20]	mg/L
Al 308.215†	429935.6	1061.66	0.25%	[10]	mg/L
As 188.979†	1875.8	0.20	0.01%	[1.0]	mg/L
Ba 233.527†	229377.0	416.49	0.18%	[1.0]	mg/L
Be 313.107†	4505567.9	2432.86	0.05%	[1.0]	mg/L
Ca 315.887†	16731882.6	4517.34	0.03%	[100]	mg/L
Cd 228.802†	67356.2	161.96	0.24%	[1.0]	mg/L
Co 228.616†	56128.8	83.33	0.15%	[1.0]	mg/L
Cr 267.716†	122655.7	197.36	0.16%	[1.0]	mg/L
Cu 327.393†	195451.9	594.11	0.30%	[1.0]	mg/L
Fe 273.955†	189034.1	367.07	0.19%	[10]	mg/L
K 404.721†	6749.8	66.51	0.99%	[100]	mg/L
No calibration curve because standard intensity and concentration values are not in the same order.					
Mg 279.077†	2784845.2	3454.40	0.12%	[100]	mg/L
Mn 257.610†	631785.8	1313.97	0.21%	[1.0]	mg/L
Mo 202.031†	18992.0	74.83	0.39%	[1.0]	mg/L
Na 330.237†	143312.9	249.43	0.17%	[100]	mg/L
Ni 231.604†	75239.2	86.09	0.11%	[1.0]	mg/L
Pb 220.353†	17216.0	81.78	0.48%	[1.0]	mg/L
Sb 206.836†	1928.5	2.79	0.14%	[1.0]	mg/L
Se 196.026†	1809.9	0.39	0.02%	[1.0]	mg/L
Sn 189.927†	4584.0	19.92	0.43%	[1.0]	mg/L
Ti 334.940†	1117660.2	2257.06	0.20%	[1.0]	mg/L
Tl 190.801†	1551.1	0.37	0.02%	[1.0]	mg/L
V 290.880†	221111.0	497.26	0.22%	[1.0]	mg/L
Zn 206.200†	57685.6	81.82	0.14%	[1.0]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	33.4	169600	0.00000	0.999998	
Al 308.215	3	Lin, Calc Int	657.7	43060	0.00000	0.999962	
As 188.979	4	Lin, Calc Int	-2.3	1875	0.00000	0.999988	
Ba 233.527	3	Lin, Calc Int	372.3	229700	0.00000	0.999958	
Be 313.107	4	Lin, Calc Int	3161.0	4515000	0.00000	0.999971	
Ca 315.887	3	Lin, Calc Int	22740.4	167500	0.00000	0.999979	
Cd 228.802	4	Lin, Calc Int	-11.2	67410	0.00000	0.999998	
Co 228.616	3	Lin, Calc Int	84.7	56240	0.00000	0.999951	
Cr 267.716	3	Lin, Calc Int	137.1	122900	0.00000	0.999966	
Cu 327.393	3	Lin, Calc Int	244.8	195200	0.00000	0.999997	
Fe 273.955	3	Lin, Calc Int	337.5	18940	0.00000	0.999944	
Mg 279.077	3	Lin, Calc Int	2421.9	27860	0.00000	0.999993	
Mn 257.610	3	Lin, Calc Int	2195.2	632100	0.00000	0.999932	
Mo 202.031	3	Lin, Calc Int	0.2	19000	0.00000	1.000000	
Na 330.237	3	Lin, Calc Int	-1306.6	1424	0.00000	0.999038	
Ni 231.604	3	Lin, Calc Int	154.3	75390	0.00000	0.999932	
Pb 220.353	4	Lin, Calc Int	19.2	17260	0.00000	0.999958	
Sb 206.836	3	Lin, Calc Int	0.7	1925	0.00000	0.999992	
Se 196.026	3	Lin, Calc Int	-2.0	1812	0.00000	0.999998	
Sn 189.927	3	Lin, Calc Int	-7.4	4581	0.00000	0.999980	
Ti 334.940	3	Lin, Calc Int	-84.8	1118000	0.00000	1.000000	
Tl 190.801	4	Lin, Calc Int	2.6	1552	0.00000	0.999981	
V 290.880	3	Lin, Calc Int	230.7	221500	0.00000	0.999967	
Zn 206.200	3	Lin, Calc Int	135.0	57800	0.00000	0.999925	

Sequence No.: 6
Sample ID: ICS3 V-106427
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/7/2011 3:39:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICS3 V-106427

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1544001.9	93.7	%	0.29				0.31%
Y 371.029	631801.0	91.3	%	0.23				0.26%
Ag 328.068†	16789.1	0.0981746	mg/L	0.00094494	0.0981746	mg/L	0.00094494	0.96%
QC value within limits for Ag 328.068 Recovery = 98.17%								
Al 308.215†	215457.2	4.97695	mg/L	0.038563	4.97695	mg/L	0.038563	0.77%
QC value within limits for Al 308.215 Recovery = 99.54%								
As 188.979†	924.7	0.493648	mg/L	0.0043942	0.493648	mg/L	0.0043942	0.89%
QC value within limits for As 188.979 Recovery = 98.73%								
Ba 233.527†	115245.0	0.499958	mg/L	0.0039781	0.499958	mg/L	0.0039781	0.80%
QC value within limits for Ba 233.527 Recovery = 99.99%								
Be 313.107†	2261625.2	0.499888	mg/L	0.0028571	0.499888	mg/L	0.0028571	0.57%
QC value within limits for Be 313.107 Recovery = 99.98%								
Ca 315.887†	8388817.9	49.9559	mg/L	0.27050	49.9559	mg/L	0.27050	0.54%
QC value within limits for Ca 315.887 Recovery = 99.91%								
Cd 228.802†	33280.1	0.493767	mg/L	0.0035731	0.493767	mg/L	0.0035731	0.72%
QC value within limits for Cd 228.802 Recovery = 98.75%								
Co 228.616†	28142.6	0.499429	mg/L	0.0035198	0.499429	mg/L	0.0035198	0.70%
QC value within limits for Co 228.616 Recovery = 99.89%								
Cr 267.716†	61368.6	0.501284	mg/L	0.0044903	0.501284	mg/L	0.0044903	0.90%
QC value within limits for Cr 267.716 Recovery = 100.26%								
Cu 327.393†	96582.6	0.492535	mg/L	0.0038532	0.492535	mg/L	0.0038532	0.78%
QC value within limits for Cu 327.393 Recovery = 98.51%								
Fe 273.955†	94926.8	5.01253	mg/L	0.040889	5.01253	mg/L	0.040889	0.82%
QC value within limits for Fe 273.955 Recovery = 100.25%								
K 404.721†	2959.9						62.16	2.10%
Unable to evaluate QC.								
Mg 279.077†	1389369.4	49.7877	mg/L	0.36857	49.7877	mg/L	0.36857	0.74%
QC value within limits for Mg 279.077 Recovery = 99.58%								
Mn 257.610†	317408.5	0.499509	mg/L	0.0041155	0.499509	mg/L	0.0041155	0.82%
QC value within limits for Mn 257.610 Recovery = 99.90%								
Mo 202.031†	9468.9	0.497302	mg/L	0.0019245	0.497302	mg/L	0.0019245	0.39%
QC value within limits for Mo 202.031 Recovery = 99.46%								
Na 330.237†	64732.7	46.3652	mg/L	0.24453	46.3652	mg/L	0.24453	0.53%
QC value within limits for Na 330.237 Recovery = 92.73%								
Ni 231.604†	37805.3	0.499731	mg/L	0.0033395	0.499731	mg/L	0.0033395	0.67%
QC value within limits for Ni 231.604 Recovery = 99.95%								
Pb 220.353†	8738.6	0.506515	mg/L	0.0006125	0.506515	mg/L	0.0006125	0.12%
QC value within limits for Pb 220.353 Recovery = 101.30%								
Sb 206.836†	949.2	0.492846	mg/L	0.0017379	0.492846	mg/L	0.0017379	0.35%
QC value within limits for Sb 206.836 Recovery = 98.57%								
Se 196.026†	900.4	0.499180	mg/L	0.0034887	0.499180	mg/L	0.0034887	0.70%
QC value within limits for Se 196.026 Recovery = 99.84%								
Sn 189.927†	2261.1	0.496543	mg/L	0.0003090	0.496543	mg/L	0.0003090	0.06%
QC value within limits for Sn 189.927 Recovery = 99.31%								
Ti 334.940†	551636.7	0.493557	mg/L	0.0039782	0.493557	mg/L	0.0039782	0.81%
QC value within limits for Ti 334.940 Recovery = 98.71%								
Tl 190.801†	782.0	0.504085	mg/L	0.0001169	0.504085	mg/L	0.0001169	0.02%
QC value within limits for Tl 190.801 Recovery = 100.82%								
V 290.880†	110826.5	0.498134	mg/L	0.0040293	0.498134	mg/L	0.0040293	0.81%
QC value within limits for V 290.880 Recovery = 99.63%								
Zn 206.200†	28980.9	0.498756	mg/L	0.0036040	0.498756	mg/L	0.0036040	0.72%
QC value within limits for Zn 206.200 Recovery = 99.75%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 7
Sample ID: ICV V-107292 (2)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/7/2011 3:43:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV V-107292 (2)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1504902.0	91.4	%	0.14				0.15%
Y 371.029	616768.9	89.1	%	0.24				0.27%
Ag 328.068†	34188.9	0.200148	mg/L	0.0002482	0.200148	mg/L	0.0002482	0.12%
QC value within limits for Ag 328.068 Recovery = 100.07%								
Al 308.215†	448731.8	10.3831	mg/L	0.00845	10.3831	mg/L	0.00845	0.08%
QC value within limits for Al 308.215 Recovery = 103.83%								
As 188.979†	1890.8	1.00812	mg/L	0.000746	1.00812	mg/L	0.000746	0.07%
QC value within limits for As 188.979 Recovery = 100.81%								
Ba 233.527†	233787.5	1.01589	mg/L	0.000444	1.01589	mg/L	0.000444	0.04%
QC value within limits for Ba 233.527 Recovery = 101.59%								
Be 313.107†	4534227.7	1.00290	mg/L	0.004724	1.00290	mg/L	0.004724	0.47%
QC value within limits for Be 313.107 Recovery = 100.29%								
Ca 315.887†	16664683.1	99.3732	mg/L	0.39937	99.3732	mg/L	0.39937	0.40%
QC value within limits for Ca 315.887 Recovery = 99.37%								
Cd 228.802†	68797.4	1.02055	mg/L	0.000446	1.02055	mg/L	0.000446	0.04%
QC value within limits for Cd 228.802 Recovery = 102.06%								
Co 228.616†	57165.9	1.01600	mg/L	0.000584	1.01600	mg/L	0.000584	0.06%
QC value within limits for Co 228.616 Recovery = 101.60%								
Cr 267.716†	123592.1	1.01063	mg/L	0.000601	1.01063	mg/L	0.000601	0.06%
QC value within limits for Cr 267.716 Recovery = 101.06%								
Cu 327.393†	197266.2	1.00734	mg/L	0.000710	1.00734	mg/L	0.000710	0.07%
QC value within limits for Cu 327.393 Recovery = 100.73%								
Fe 273.955†	189183.3	10.0075	mg/L	0.00167	10.0075	mg/L	0.00167	0.02%
QC value within limits for Fe 273.955 Recovery = 100.07%								
K 404.721†	6705.8						166.94	2.49%
Unable to evaluate QC.								
Mg 279.077†	2776357.0	99.5767	mg/L	0.40192	99.5767	mg/L	0.40192	0.40%
QC value within limits for Mg 279.077 Recovery = 99.58%								
Mn 257.610†	640869.0	1.01206	mg/L	0.000366	1.01206	mg/L	0.000366	0.04%
QC value within limits for Mn 257.610 Recovery = 101.21%								
Mo 202.031†	18832.9	0.989114	mg/L	0.0010360	0.989114	mg/L	0.0010360	0.10%
QC value within limits for Mo 202.031 Recovery = 98.91%								
Na 330.237†	143157.6	101.426	mg/L	0.0298	101.426	mg/L	0.0298	0.03%
QC value within limits for Na 330.237 Recovery = 101.43%								
Ni 231.604†	76122.4	1.00829	mg/L	0.000138	1.00829	mg/L	0.000138	0.01%
QC value within limits for Ni 231.604 Recovery = 100.83%								
Pb 220.353†	17379.1	1.00853	mg/L	0.001141	1.00853	mg/L	0.001141	0.11%
QC value within limits for Pb 220.353 Recovery = 100.85%								
Sb 206.836†	1918.8	0.996658	mg/L	0.0018884	0.996658	mg/L	0.0018884	0.19%
QC value within limits for Sb 206.836 Recovery = 99.67%								
Se 196.026†	1845.0	1.02168	mg/L	0.002144	1.02168	mg/L	0.002144	0.21%
QC value within limits for Se 196.026 Recovery = 102.17%								
Sn 189.927†	4571.9	1.00230	mg/L	0.006112	1.00230	mg/L	0.006112	0.61%
QC value within limits for Sn 189.927 Recovery = 100.23%								
Ti 334.940†	1107460.7	0.990784	mg/L	0.0046348	0.990784	mg/L	0.0046348	0.47%
QC value within limits for Ti 334.940 Recovery = 99.08%								
Tl 190.801†	1639.0	1.05821	mg/L	0.002243	1.05821	mg/L	0.002243	0.21%
QC value within limits for Tl 190.801 Recovery = 105.82%								
V 290.880†	223975.2	1.00779	mg/L	0.000320	1.00779	mg/L	0.000320	0.03%
QC value within limits for V 290.880 Recovery = 100.78%								
Zn 206.200†	58180.2	1.00363	mg/L	0.000354	1.00363	mg/L	0.000354	0.04%
QC value within limits for Zn 206.200 Recovery = 100.36%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 8
Sample ID: ICB V-108505
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 3/7/2011 3:48:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB V-108505

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1667405.3	101	%	0.8				0.83%
Y 371.029	700974.1	101	%	0.8				0.75%
Ag 328.068†	-6.7	-0.0002360	mg/L	0.00000045	-0.0002360	mg/L	0.00000045	0.19%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-125.9	-0.0182111	mg/L	0.00267874	-0.0182111	mg/L	0.00267874	14.71%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.4	0.0014610	mg/L	0.00311947	0.0014610	mg/L	0.00311947	213.52%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	31.6	-0.0014825	mg/L	0.00000017	-0.0014825	mg/L	0.00000017	0.01%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	342.1	-0.0006245	mg/L	0.00000775	-0.0006245	mg/L	0.00000775	1.24%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	2259.9	-0.122294	mg/L	0.0034588	-0.122294	mg/L	0.0034588	2.83%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	4.3	0.0002305	mg/L	0.00003307	0.0002305	mg/L	0.00003307	14.35%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	5.6	-0.0014037	mg/L	0.00011725	-0.0014037	mg/L	0.00011725	8.35%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-34.3	-0.0013957	mg/L	0.00000020	-0.0013957	mg/L	0.00000020	0.01%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-42.9	-0.0014724	mg/L	0.00019935	-0.0014724	mg/L	0.00019935	13.54%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	45.3	-0.0154583	mg/L	0.00269912	-0.0154583	mg/L	0.00269912	17.46%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-56.3						46.22	82.08%
Unable to evaluate QC.								
Mg 279.077†	185.6	-0.0802570	mg/L	0.00382284	-0.0802570	mg/L	0.00382284	4.76%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	90.0	-0.0033315	mg/L	0.00003472	-0.0033315	mg/L	0.00003472	1.04%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.4	0.0004868	mg/L	0.00019753	0.0004868	mg/L	0.00019753	40.58%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	61.1	0.960275	mg/L	0.0112994	0.960275	mg/L	0.0112994	1.18%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	8.4	-0.0019349	mg/L	0.00035147	-0.0019349	mg/L	0.00035147	18.16%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.8	-0.0007181	mg/L	0.00009762	-0.0007181	mg/L	0.00009762	13.59%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.6	0.0015080	mg/L	0.00160034	0.0015080	mg/L	0.00160034	106.12%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.3	0.0012766	mg/L	0.00227295	0.0012766	mg/L	0.00227295	178.05%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	4.9	0.0026721	mg/L	0.00028522	0.0026721	mg/L	0.00028522	10.67%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	36.3	0.0001083	mg/L	0.00004098	0.0001083	mg/L	0.00004098	37.83%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.6	-0.0006675	mg/L	0.00155579	-0.0006675	mg/L	0.00155579	233.07%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-44.8	-0.0012408	mg/L	0.00024392	-0.0012408	mg/L	0.00024392	19.66%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	12.1	-0.0021262	mg/L	0.00008681	-0.0021262	mg/L	0.00008681	4.08%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 9 Autosampler Location: 7
Sample ID: ICSA V-107289 Date Collected: 3/7/2011 3:52:29 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1389534.2	84.4	%	0.10				0.11%
Y 371.029	571608.0	82.6	%	0.08				0.10%
Ag 328.068†	-1107.6	-0.0032708	mg/L	0.00013670	-0.0032708	mg/L	0.00013670	4.18%
Al 308.215†	22149077.3	514.373	mg/L	1.2516	514.373	mg/L	1.2516	0.24%
QC value within limits for Al 308.215 Recovery = 102.87%								
As 188.979†	-54.2	-0.0007355	mg/L	0.00177853	-0.0007355	mg/L	0.00177853	241.80%
Ba 233.527†	830.7	-0.0000627	mg/L	0.00014715	-0.0000627	mg/L	0.00014715	234.68%
Be 313.107†	-3379.1	0.0000947	mg/L	0.00000461	0.0000947	mg/L	0.00000461	4.87%
Ca 315.887†	81535780.8	486.735	mg/L	0.8110	486.735	mg/L	0.8110	0.17%
QC value within limits for Ca 315.887 Recovery = 97.35%								
Cd 228.802†	305.9	-0.0008234	mg/L	0.00030022	-0.0008234	mg/L	0.00030022	36.46%
Co 228.616†	-207.1	-0.0026749	mg/L	0.00010409	-0.0026749	mg/L	0.00010409	3.89%
Cr 267.716†	-289.7	0.0034420	mg/L	0.00005361	0.0034420	mg/L	0.00005361	1.56%
Cu 327.393†	1790.2	0.0005711	mg/L	0.00027902	0.0005711	mg/L	0.00027902	48.85%
Fe 273.955†	3632246.0	191.945	mg/L	0.0280	191.945	mg/L	0.0280	0.01%
QC value within limits for Fe 273.955 Recovery = 95.97%								
K 404.721†	-502.2						14.67	2.92%
Mg 279.077†	14091355.7	505.673	mg/L	0.7175	505.673	mg/L	0.7175	0.14%
QC value within limits for Mg 279.077 Recovery = 101.13%								
Mn 257.610†	-6337.7	-0.0002531	mg/L	0.00005260	-0.0002531	mg/L	0.00005260	20.78%
Mo 202.031†	130.6	0.0075403	mg/L	0.00022706	0.0075403	mg/L	0.00022706	3.01%
Na 330.237†	519.5	1.28212	mg/L	0.006304	1.28212	mg/L	0.006304	0.49%
Ni 231.604†	16.8	-0.0018182	mg/L	0.00019223	-0.0018182	mg/L	0.00019223	10.57%
Pb 220.353†	-1381.3	0.0014892	mg/L	0.00050702	0.0014892	mg/L	0.00050702	34.05%
Sb 206.836†	-56.4	-0.0077625	mg/L	0.00318040	-0.0077625	mg/L	0.00318040	40.97%
Se 196.026†	-23.5	0.0200459	mg/L	0.00510590	0.0200459	mg/L	0.00510590	25.47%
Sn 189.927†	-20.1	0.0009159	mg/L	0.00026129	0.0009159	mg/L	0.00026129	28.53%
Ti 334.940†	3141.1	0.0028859	mg/L	0.00004095	0.0028859	mg/L	0.00004095	1.42%
Tl 190.801†	-21.7	0.0003015	mg/L	0.00055119	0.0003015	mg/L	0.00055119	182.80%
V 290.880†	6429.9	0.0067430	mg/L	0.00030434	0.0067430	mg/L	0.00030434	4.51%
Zn 206.200†	447.1	0.0002735	mg/L	0.00009347	0.0002735	mg/L	0.00009347	34.17%

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSAB V-107290
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 3/7/2011 3:57:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1400089.2	85.0	%	0.53				0.62%
Y 371.029	575512.5	83.1	%	0.50				0.60%
Ag 328.068†	181443.0	1.07305	mg/L	0.001136	1.07305	mg/L	0.001136	0.11%
QC value within limits for Ag 328.068 Recovery = 107.31%								
Al 308.215†	21864657.4	507.768	mg/L	0.8823	507.768	mg/L	0.8823	0.17%
QC value within limits for Al 308.215 Recovery = 101.55%								
As 188.979†	1911.0	1.04713	mg/L	0.007316	1.04713	mg/L	0.007316	0.70%
QC value within limits for As 188.979 Recovery = 104.71%								
Ba 233.527†	122333.1	0.528814	mg/L	0.0006953	0.528814	mg/L	0.0006953	0.13%
QC value within limits for Ba 233.527 Recovery = 105.76%								
Be 313.107†	2314514.9	0.513415	mg/L	0.0008418	0.513415	mg/L	0.0008418	0.16%
QC value within limits for Be 313.107 Recovery = 102.68%								
Ca 315.887†	80665250.7	481.536	mg/L	1.1217	481.536	mg/L	1.1217	0.23%
QC value within limits for Ca 315.887 Recovery = 96.31%								
Cd 228.802†	71139.4	1.04999	mg/L	0.001304	1.04999	mg/L	0.001304	0.12%
QC value within limits for Cd 228.802 Recovery = 105.00%								
Co 228.616†	27554.4	0.490872	mg/L	0.0010269	0.490872	mg/L	0.0010269	0.21%
QC value within limits for Co 228.616 Recovery = 98.17%								
Cr 267.716†	61917.1	0.510082	mg/L	0.0010395	0.510082	mg/L	0.0010395	0.20%
QC value within limits for Cr 267.716 Recovery = 102.02%								
Cu 327.393†	108710.8	0.548441	mg/L	0.0023167	0.548441	mg/L	0.0023167	0.42%
QC value within limits for Cu 327.393 Recovery = 109.69%								
Fe 273.955†	3617305.7	191.155	mg/L	0.2762	191.155	mg/L	0.2762	0.14%
QC value within limits for Fe 273.955 Recovery = 95.58%								
K 404.721†	-436.8						130.25	29.82%
Mg 279.077†	13972032.2	501.391	mg/L	1.0796	501.391	mg/L	1.0796	0.22%
QC value within limits for Mg 279.077 Recovery = 100.28%								
Mn 257.610†	317540.6	0.512040	mg/L	0.0012497	0.512040	mg/L	0.0012497	0.24%
QC value within limits for Mn 257.610 Recovery = 102.41%								
Mo 202.031†	148.3	0.0084396	mg/L	0.00071619	0.0084396	mg/L	0.00071619	8.49%
Na 330.237†	1853.1	2.21837	mg/L	0.041852	2.21837	mg/L	0.041852	1.89%
Ni 231.604†	72578.4	0.960625	mg/L	0.0025207	0.960625	mg/L	0.0025207	0.26%
QC value within limits for Ni 231.604 Recovery = 96.06%								
Pb 220.353†	15477.4	0.977216	mg/L	0.0000839	0.977216	mg/L	0.0000839	0.01%
QC value within limits for Pb 220.353 Recovery = 97.72%								
Sb 206.836†	1952.3	1.03555	mg/L	0.003668	1.03555	mg/L	0.003668	0.35%
QC value within limits for Sb 206.836 Recovery = 103.55%								
Se 196.026†	1851.5	1.05504	mg/L	0.002733	1.05504	mg/L	0.002733	0.26%
QC value within limits for Se 196.026 Recovery = 105.50%								
Sn 189.927†	-18.7	0.0012358	mg/L	0.00057265	0.0012358	mg/L	0.00057265	46.34%
Ti 334.940†	3525.1	0.0032293	mg/L	0.00011607	0.0032293	mg/L	0.00011607	3.59%
Tl 190.801†	1499.0	0.979946	mg/L	0.0026018	0.979946	mg/L	0.0026018	0.27%
QC value within limits for Tl 190.801 Recovery = 97.99%								
V 290.880†	117980.5	0.510483	mg/L	0.0009084	0.510483	mg/L	0.0009084	0.18%
QC value within limits for V 290.880 Recovery = 102.10%								
Zn 206.200†	58155.3	0.998730	mg/L	0.0033603	0.998730	mg/L	0.0033603	0.34%
QC value within limits for Zn 206.200 Recovery = 99.87%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MB 3400 (1)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 116
Date Collected: 3/7/2011 4:03:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB 3400 (1)

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1712247.0	104	%	0.7				0.68%
Y 371.029	715342.8	103	%	0.6				0.59%
Ag 328.068†	96.2	0.0003770	mg/L	0.00015439	0.0003770	mg/L	0.00015439	40.96%
Al 308.215†	565.4	-0.0021482	mg/L	0.00110648	-0.0021482	mg/L	0.00110648	51.51%
As 188.979†	-2.9	-0.0002872	mg/L	0.00172628	-0.0002872	mg/L	0.00172628	600.99%
Ba 233.527†	420.4	0.0002057	mg/L	0.00003180	0.0002057	mg/L	0.00003180	15.45%
Be 313.107†	155.1	-0.0006631	mg/L	0.00001153	-0.0006631	mg/L	0.00001153	1.74%
Ca 315.887†	109734.3	0.519462	mg/L	0.0032615	0.519462	mg/L	0.0032615	0.63%
Cd 228.802†	-8.6	0.0000352	mg/L	0.00004607	0.0000352	mg/L	0.00004607	130.71%
Co 228.616†	-1.9	-0.0015510	mg/L	0.00009116	-0.0015510	mg/L	0.00009116	5.88%
Cr 267.716†	124.2	-0.0000926	mg/L	0.00008274	-0.0000926	mg/L	0.00008274	89.38%
Cu 327.393†	803.1	0.0028522	mg/L	0.00043933	0.0028522	mg/L	0.00043933	15.40%
Fe 273.955†	7200.9	0.362389	mg/L	0.0012286	0.362389	mg/L	0.0012286	0.34%
K 404.721†	-201.5						41.31	20.50%
Mg 279.077†	3448.7	0.0368553	mg/L	0.00486125	0.0368553	mg/L	0.00486125	13.19%
Mn 257.610†	1727.6	-0.0007222	mg/L	0.00006329	-0.0007222	mg/L	0.00006329	8.76%
Mo 202.031†	2.5	0.0001089	mg/L	0.00010547	0.0001089	mg/L	0.00010547	96.80%
Na 330.237†	288.5	1.11992	mg/L	0.068090	1.11992	mg/L	0.068090	6.08%
Ni 231.604†	34.9	-0.0015837	mg/L	0.00009543	-0.0015837	mg/L	0.00009543	6.03%
Pb 220.353†	10.2	-0.0005422	mg/L	0.00038409	-0.0005422	mg/L	0.00038409	70.84%
Sb 206.836†	1.1	0.0002903	mg/L	0.00066024	0.0002903	mg/L	0.00066024	227.44%
Se 196.026†	-3.6	-0.0007795	mg/L	0.00440962	-0.0007795	mg/L	0.00440962	565.73%
Sn 189.927†	-3.0	0.0009724	mg/L	0.00051933	0.0009724	mg/L	0.00051933	53.41%
Ti 334.940†	472.8	0.0004988	mg/L	0.00003157	0.0004988	mg/L	0.00003157	6.33%
Tl 190.801†	3.9	0.0008360	mg/L	0.00121407	0.0008360	mg/L	0.00121407	145.22%
V 290.880†	-172.7	-0.0018363	mg/L	0.00003667	-0.0018363	mg/L	0.00003667	2.00%
Zn 206.200†	724.7	0.0101936	mg/L	0.00003717	0.0101936	mg/L	0.00003717	0.36%

Sequence No.: 12
Sample ID: LCSW 3400
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 117
Date Collected: 3/7/2011 4:07:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW 3400

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1573595.6	95.5	%	0.93				0.97%
Y 371.029	646593.3	93.4	%	0.88				0.94%
Ag 328.068†	15672.7	0.0916371	mg/L	0.00052057	0.0916371	mg/L	0.00052057	0.57%
Al 308.215†	201717.0	4.65876	mg/L	0.044102	4.65876	mg/L	0.044102	0.95%
As 188.979†	868.1	0.463480	mg/L	0.0037547	0.463480	mg/L	0.0037547	0.81%
Ba 233.527†	110368.6	0.478735	mg/L	0.0046653	0.478735	mg/L	0.0046653	0.97%
Be 313.107†	2135146.7	0.471895	mg/L	0.0006461	0.471895	mg/L	0.0006461	0.14%
Ca 315.887†	8062327.5	48.0064	mg/L	0.21328	48.0064	mg/L	0.21328	0.44%
Cd 228.802†	31782.1	0.471551	mg/L	0.0052179	0.471551	mg/L	0.0052179	1.11%
Co 228.616†	27303.7	0.484448	mg/L	0.0039296	0.484448	mg/L	0.0039296	0.81%
Cr 267.716†	58374.4	0.476697	mg/L	0.0045960	0.476697	mg/L	0.0045960	0.96%
Cu 327.393†	92655.4	0.472462	mg/L	0.0045353	0.472462	mg/L	0.0045353	0.96%
Fe 273.955†	89269.4	4.71293	mg/L	0.040926	4.71293	mg/L	0.040926	0.87%
K 404.721†	2715.6						20.87	0.77%
Mg 279.077†	1321857.5	47.3639	mg/L	0.04933	47.3639	mg/L	0.04933	0.10%
Mn 257.610†	301775.5	0.474728	mg/L	0.0045458	0.474728	mg/L	0.0045458	0.96%
Mo 202.031†	8716.3	0.457726	mg/L	0.0042291	0.457726	mg/L	0.0042291	0.92%
Na 330.237†	60592.2	43.4583	mg/L	0.34222	43.4583	mg/L	0.34222	0.79%
Ni 231.604†	36408.9	0.481182	mg/L	0.0048578	0.481182	mg/L	0.0048578	1.01%
Pb 220.353†	8266.1	0.479020	mg/L	0.0046966	0.479020	mg/L	0.0046966	0.98%
Sb 206.836†	879.8	0.456810	mg/L	0.0041687	0.456810	mg/L	0.0041687	0.91%
Se 196.026†	839.5	0.465506	mg/L	0.0017291	0.465506	mg/L	0.0017291	0.37%
Sn 189.927†	2092.2	0.459601	mg/L	0.0035187	0.459601	mg/L	0.0035187	0.77%
Ti 334.940†	517605.8	0.463114	mg/L	0.0010424	0.463114	mg/L	0.0010424	0.23%
Tl 190.801†	766.9	0.494281	mg/L	0.0004827	0.494281	mg/L	0.0004827	0.10%
V 290.880†	105361.8	0.473515	mg/L	0.0047247	0.473515	mg/L	0.0047247	1.00%
Zn 206.200†	28543.1	0.491210	mg/L	0.0039250	0.491210	mg/L	0.0039250	0.80%

Sequence No.: 13
Sample ID: LCSW MR 3400
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 118
Date Collected: 3/7/2011 4:11:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCSW MR 3400

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1569533.2	95.3	%	0.33				0.35%
Y 371.029	645147.1	93.2	%	0.31				0.34%
Ag 328.068†	15382.6	0.0899343	mg/L	0.00036255	0.0899343	mg/L	0.00036255	0.40%
Al 308.215†	198915.9	4.59379	mg/L	0.006828	4.59379	mg/L	0.006828	0.15%
As 188.979†	850.3	0.454039	mg/L	0.0031155	0.454039	mg/L	0.0031155	0.69%
Ba 233.527†	109116.9	0.473285	mg/L	0.0002228	0.473285	mg/L	0.0002228	0.05%
Be 313.107†	2105458.9	0.465324	mg/L	0.0004326	0.465324	mg/L	0.0004326	0.09%
Ca 315.887†	7957272.7	47.3791	mg/L	0.02534	47.3791	mg/L	0.02534	0.05%
Cd 228.802†	31400.7	0.465892	mg/L	0.0007809	0.465892	mg/L	0.0007809	0.17%
Co 228.616†	26912.5	0.477483	mg/L	0.0008087	0.477483	mg/L	0.0008087	0.17%
Cr 267.716†	58105.2	0.474491	mg/L	0.0004078	0.474491	mg/L	0.0004078	0.09%
Cu 327.393†	92607.7	0.472228	mg/L	0.0004776	0.472228	mg/L	0.0004776	0.10%
Fe 273.955†	92187.3	4.86673	mg/L	0.005950	4.86673	mg/L	0.005950	0.12%
K 404.721†	2764.9						137.99	4.99%
Mg 279.077†	1301923.2	46.6484	mg/L	0.03026	46.6484	mg/L	0.03026	0.06%
Mn 257.610†	299718.9	0.471474	mg/L	0.0003929	0.471474	mg/L	0.0003929	0.08%
Mo 202.031†	8651.9	0.454349	mg/L	0.0033386	0.454349	mg/L	0.0033386	0.73%
Na 330.237†	60017.3	43.0547	mg/L	0.11981	43.0547	mg/L	0.11981	0.28%
Ni 231.604†	35922.7	0.474731	mg/L	0.0002893	0.474731	mg/L	0.0002893	0.06%
Pb 220.353†	8154.7	0.472541	mg/L	0.0036153	0.472541	mg/L	0.0036153	0.77%
Sb 206.836†	876.5	0.455137	mg/L	0.0070524	0.455137	mg/L	0.0070524	1.55%
Se 196.026†	832.0	0.461413	mg/L	0.0081932	0.461413	mg/L	0.0081932	1.78%
Sn 189.927†	2084.0	0.457817	mg/L	0.0053514	0.457817	mg/L	0.0053514	1.17%
Ti 334.940†	513624.9	0.459553	mg/L	0.0002515	0.459553	mg/L	0.0002515	0.05%
Tl 190.801†	762.5	0.491420	mg/L	0.0019361	0.491420	mg/L	0.0019361	0.39%
V 290.880†	104119.3	0.467916	mg/L	0.0003041	0.467916	mg/L	0.0003041	0.06%
Zn 206.200†	28033.6	0.482391	mg/L	0.0003238	0.482391	mg/L	0.0003238	0.07%

Sequence No.: 14
Sample ID: 57098-020
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 119
Date Collected: 3/7/2011 4:14:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1645930.6	99.9	%	0.37				0.37%
Y 371.029	684331.8	98.9	%	0.36				0.37%
Ag 328.068†	90.5	0.0003316	mg/L	0.00041525	0.0003316	mg/L	0.00041525	125.23%
Al 308.215†	14632.1	0.324492	mg/L	0.0106090	0.324492	mg/L	0.0106090	3.27%
As 188.979†	0.8	0.0016216	mg/L	0.00094392	0.0016216	mg/L	0.00094392	58.21%
Ba 233.527†	2001.0	0.0070873	mg/L	0.00011163	0.0070873	mg/L	0.00011163	1.58%
Be 313.107†	506.2	-0.0005922	mg/L	0.00003945	-0.0005922	mg/L	0.00003945	6.66%
Ca 315.887†	1020388.4	5.95720	mg/L	0.061208	5.95720	mg/L	0.061208	1.03%
Cd 228.802†	8.2	0.0002831	mg/L	0.00003345	0.0002831	mg/L	0.00003345	11.82%
Co 228.616†	13.6	-0.0012798	mg/L	0.00018928	-0.0012798	mg/L	0.00018928	14.79%
Cr 267.716†	230.8	0.0007927	mg/L	0.00010779	0.0007927	mg/L	0.00010779	13.60%
Cu 327.393†	582.4	0.0016342	mg/L	0.00019649	0.0016342	mg/L	0.00019649	12.02%
Fe 273.955†	4513.6	0.220615	mg/L	0.0012056	0.220615	mg/L	0.0012056	0.55%
K 404.721†	-75.3						42.44	56.34%
Mg 279.077†	11699.6	0.333023	mg/L	0.0004724	0.333023	mg/L	0.0004724	0.14%
Mn 257.610†	12941.2	0.0170138	mg/L	0.00022861	0.0170138	mg/L	0.00022861	1.34%
Mo 202.031†	38.1	0.0018536	mg/L	0.00043648	0.0018536	mg/L	0.00043648	23.55%
Na 330.237†	5087.5	4.48919	mg/L	0.020786	4.48919	mg/L	0.020786	0.46%
Ni 231.604†	74.4	-0.0010581	mg/L	0.00004789	-0.0010581	mg/L	0.00004789	4.53%
Pb 220.353†	97.1	0.0045477	mg/L	0.00026156	0.0045477	mg/L	0.00026156	5.75%
Sb 206.836†	9.9	0.0048037	mg/L	0.00030105	0.0048037	mg/L	0.00030105	6.27%
Se 196.026†	2.9	0.0027594	mg/L	0.00209834	0.0027594	mg/L	0.00209834	76.04%
Sn 189.927†	2.6	0.0023061	mg/L	0.00027442	0.0023061	mg/L	0.00027442	11.90%
Ti 334.940†	10378.0	0.0093598	mg/L	0.00010210	0.0093598	mg/L	0.00010210	1.09%
Tl 190.801†	1.5	-0.0006242	mg/L	0.00012031	-0.0006242	mg/L	0.00012031	19.28%
V 290.880†	305.0	0.0003231	mg/L	0.00015875	0.0003231	mg/L	0.00015875	49.13%
Zn 206.200†	957.6	0.0142547	mg/L	0.00005643	0.0142547	mg/L	0.00005643	0.40%

Sequence No.: 15
Sample ID: 57098-020 MR
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 120
Date Collected: 3/7/2011 4:18:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020 MR

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1679220.0	102	%	0.3				0.34%
Y 371.029	697860.6	101	%	0.3				0.30%
Ag 328.068†	78.1	0.0002586	mg/L	0.00004085	0.0002586	mg/L	0.00004085	15.80%
Al 308.215†	13988.4	0.309542	mg/L	0.0046317	0.309542	mg/L	0.0046317	1.50%
As 188.979†	1.6	0.0020623	mg/L	0.00000996	0.0020623	mg/L	0.00000996	0.48%
Ba 233.527†	1995.4	0.0070624	mg/L	0.00005339	0.0070624	mg/L	0.00005339	0.76%
Be 313.107†	252.1	-0.0006482	mg/L	0.00001051	-0.0006482	mg/L	0.00001051	1.62%
Ca 315.887†	1010559.0	5.89851	mg/L	0.047240	5.89851	mg/L	0.047240	0.80%
Cd 228.802†	-6.2	0.0000700	mg/L	0.00015540	0.0000700	mg/L	0.00015540	222.13%
Co 228.616†	7.7	-0.0013868	mg/L	0.00013833	-0.0013868	mg/L	0.00013833	9.97%
Cr 267.716†	229.1	0.0007816	mg/L	0.00005944	0.0007816	mg/L	0.00005944	7.61%
Cu 327.393†	1180.5	0.0046994	mg/L	0.00006138	0.0046994	mg/L	0.00006138	1.31%
Fe 273.955†	5265.1	0.260289	mg/L	0.0015142	0.260289	mg/L	0.0015142	0.58%
K 404.721†	-45.2						155.45	343.90%
Mg 279.077†	11462.7	0.324523	mg/L	0.0024489	0.324523	mg/L	0.0024489	0.75%
Mn 257.610†	13254.5	0.0175113	mg/L	0.00021115	0.0175113	mg/L	0.00021115	1.21%
Mo 202.031†	40.7	0.0019932	mg/L	0.00031358	0.0019932	mg/L	0.00031358	15.73%
Na 330.237†	5120.7	4.51251	mg/L	0.055598	4.51251	mg/L	0.055598	1.23%
Ni 231.604†	53.5	-0.0013354	mg/L	0.00003201	-0.0013354	mg/L	0.00003201	2.40%
Pb 220.353†	94.6	0.0043943	mg/L	0.00014479	0.0043943	mg/L	0.00014479	3.30%
Sb 206.836†	4.1	0.0018195	mg/L	0.00123697	0.0018195	mg/L	0.00123697	67.98%
Se 196.026†	-0.4	0.0009102	mg/L	0.00170527	0.0009102	mg/L	0.00170527	187.35%
Sn 189.927†	-2.5	0.0011773	mg/L	0.00011325	0.0011773	mg/L	0.00011325	9.62%
Ti 334.940†	10555.8	0.0095188	mg/L	0.00062164	0.0095188	mg/L	0.00062164	6.53%
Tl 190.801†	2.2	-0.0002029	mg/L	0.00013742	-0.0002029	mg/L	0.00013742	67.73%
V 290.880†	177.8	-0.0002522	mg/L	0.00002089	-0.0002522	mg/L	0.00002089	8.28%
Zn 206.200†	1004.0	0.0150556	mg/L	0.00017001	0.0150556	mg/L	0.00017001	1.13%

Sequence No.: 16
Sample ID: 57098-020 SPLP SPK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 121
Date Collected: 3/7/2011 4:22:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020 SPLP SPK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1579453.8	95.9	%	0.12				0.13%
Y 371.029	650531.4	94.0	%	0.15				0.16%
Ag 328.068†	15599.6	0.0911994	mg/L	0.00017794	0.0911994	mg/L	0.00017794	0.20%
Al 308.215†	213783.6	4.93894	mg/L	0.008140	4.93894	mg/L	0.008140	0.16%
As 188.979†	868.2	0.463545	mg/L	0.0050960	0.463545	mg/L	0.0050960	1.10%
Ba 233.527†	1140113.9	4.96095	mg/L	0.010308	4.96095	mg/L	0.010308	0.21%
Be 313.107†	2120557.0	0.468658	mg/L	0.0010056	0.468658	mg/L	0.0010056	0.21%
Ca 315.887†	8846214.0	52.6872	mg/L	0.17696	52.6872	mg/L	0.17696	0.34%
Cd 228.802†	31654.0	0.469646	mg/L	0.0014439	0.469646	mg/L	0.0014439	0.31%
Co 228.616†	27182.6	0.482277	mg/L	0.0020424	0.482277	mg/L	0.0020424	0.42%
Cr 267.716†	58378.4	0.476762	mg/L	0.0007525	0.476762	mg/L	0.0007525	0.16%
Cu 327.393†	92620.7	0.472206	mg/L	0.0009940	0.472206	mg/L	0.0009940	0.21%
Fe 273.955†	92707.2	4.89438	mg/L	0.014728	4.89438	mg/L	0.014728	0.30%
K 404.721†	2713.7						138.86	5.12%
Mg 279.077†	1316555.7	47.1737	mg/L	0.07155	47.1737	mg/L	0.07155	0.15%
Mn 257.610†	313058.8	0.492586	mg/L	0.0014499	0.492586	mg/L	0.0014499	0.29%
Mo 202.031†	8767.7	0.460321	mg/L	0.0009136	0.460321	mg/L	0.0009136	0.20%
Na 330.237†	66175.0	47.3779	mg/L	0.04741	47.3779	mg/L	0.04741	0.10%
Ni 231.604†	36240.1	0.478946	mg/L	0.0014662	0.478946	mg/L	0.0014662	0.31%
Pb 220.353†	85107.5	4.93182	mg/L	0.019127	4.93182	mg/L	0.019127	0.39%
Sb 206.836†	892.4	0.463389	mg/L	0.0023990	0.463389	mg/L	0.0023990	0.52%
Se 196.026†	838.6	0.465034	mg/L	0.0001061	0.465034	mg/L	0.0001061	0.02%
Sn 189.927†	2117.5	0.465234	mg/L	0.0002225	0.465234	mg/L	0.0002225	0.05%
Ti 334.940†	530407.2	0.474566	mg/L	0.0017955	0.474566	mg/L	0.0017955	0.38%
Tl 190.801†	758.6	0.489000	mg/L	0.0026606	0.489000	mg/L	0.0026606	0.54%
V 290.880†	105275.0	0.473128	mg/L	0.0016132	0.473128	mg/L	0.0016132	0.34%
Zn 206.200†	28480.7	0.490148	mg/L	0.0022423	0.490148	mg/L	0.0022423	0.46%

Sequence No.: 17
Sample ID: 57098-020 PS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 122
Date Collected: 3/7/2011 4:26:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57098-020 PS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1585511.2	96.3	%	0.10				0.11%
Y 371.029	648190.6	93.6	%	0.08				0.08%
Ag 328.068†	13620.9	0.0795050	mg/L	0.00052202	0.0795050	mg/L	0.00052202	0.66%
Al 308.215†	220446.9	5.09318	mg/L	0.040693	5.09318	mg/L	0.040693	0.80%
As 188.979†	899.2	0.480012	mg/L	0.0033658	0.480012	mg/L	0.0033658	0.70%
Ba 233.527†	1173504.0	5.10628	mg/L	0.041048	5.10628	mg/L	0.041048	0.80%
Be 313.107†	2189948.8	0.484016	mg/L	0.0006163	0.484016	mg/L	0.0006163	0.13%
Ca 315.887†	9082202.7	54.0963	mg/L	0.02487	54.0963	mg/L	0.02487	0.05%
Cd 228.802†	32663.5	0.484619	mg/L	0.0035375	0.484619	mg/L	0.0035375	0.73%
Co 228.616†	27978.2	0.496459	mg/L	0.0042741	0.496459	mg/L	0.0042741	0.86%
Cr 267.716†	60183.4	0.491571	mg/L	0.0040211	0.491571	mg/L	0.0040211	0.82%
Cu 327.393†	95628.9	0.487587	mg/L	0.0049855	0.487587	mg/L	0.0049855	1.02%
Fe 273.955†	95347.5	5.03436	mg/L	0.041660	5.03436	mg/L	0.041660	0.83%
K 404.721†	2840.4						63.53	2.24%
Mg 279.077†	1360469.1	48.7502	mg/L	0.41735	48.7502	mg/L	0.41735	0.86%
Mn 257.610†	320676.8	0.504666	mg/L	0.0040383	0.504666	mg/L	0.0040383	0.80%
Mo 202.031†	9182.4	0.482120	mg/L	0.0015141	0.482120	mg/L	0.0015141	0.31%
Na 330.237†	68499.8	49.0101	mg/L	0.36193	49.0101	mg/L	0.36193	0.74%
Ni 231.604†	37277.0	0.492714	mg/L	0.0039425	0.492714	mg/L	0.0039425	0.80%
Pb 220.353†	85231.7	4.93907	mg/L	0.037589	4.93907	mg/L	0.037589	0.76%
Sb 206.836†	933.9	0.484910	mg/L	0.0062565	0.484910	mg/L	0.0062565	1.29%
Se 196.026†	864.7	0.479468	mg/L	0.0019759	0.479468	mg/L	0.0019759	0.41%
Sn 189.927†	2208.5	0.485138	mg/L	0.0034133	0.485138	mg/L	0.0034133	0.70%
Ti 334.940†	549603.5	0.491738	mg/L	0.0042319	0.491738	mg/L	0.0042319	0.86%
Tl 190.801†	797.3	0.513971	mg/L	0.0034295	0.513971	mg/L	0.0034295	0.67%
V 290.880†	108732.6	0.488703	mg/L	0.0043469	0.488703	mg/L	0.0043469	0.89%
Zn 206.200†	29177.1	0.502184	mg/L	0.0044782	0.502184	mg/L	0.0044782	0.89%

Sequence No.: 18
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/7/2011 4:29:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1573416.5	95.5	%	1.27				1.33%
Y 371.029	642630.4	92.8	%	1.20				1.29%
Ag 328.068†	16693.0	0.0976122	mg/L	0.00041375	0.0976122	mg/L	0.00041375	0.42%
QC value within limits for Ag 328.068 Recovery = 97.61%								
Al 308.215†	216561.9	5.00275	mg/L	0.036509	5.00275	mg/L	0.036509	0.73%
QC value within limits for Al 308.215 Recovery = 100.06%								
As 188.979†	919.3	0.490746	mg/L	0.0073355	0.490746	mg/L	0.0073355	1.49%
QC value within limits for As 188.979 Recovery = 98.15%								
Ba 233.527†	118439.7	0.513863	mg/L	0.0022194	0.513863	mg/L	0.0022194	0.43%
QC value within limits for Ba 233.527 Recovery = 102.77%								
Be 313.107†	2279102.1	0.503755	mg/L	0.0117356	0.503755	mg/L	0.0117356	2.33%
QC value within limits for Be 313.107 Recovery = 100.75%								
Ca 315.887†	8440842.7	50.2666	mg/L	1.17891	50.2666	mg/L	1.17891	2.35%
QC value within limits for Ca 315.887 Recovery = 100.53%								
Cd 228.802†	34132.8	0.506417	mg/L	0.0018631	0.506417	mg/L	0.0018631	0.37%
QC value within limits for Cd 228.802 Recovery = 101.28%								
Co 228.616†	28975.9	0.514212	mg/L	0.0028404	0.514212	mg/L	0.0028404	0.55%
QC value within limits for Co 228.616 Recovery = 102.84%								
Cr 267.716†	62345.1	0.509206	mg/L	0.0025312	0.509206	mg/L	0.0025312	0.50%
QC value within limits for Cr 267.716 Recovery = 101.84%								
Cu 327.393†	98374.4	0.501707	mg/L	0.0031711	0.501707	mg/L	0.0031711	0.63%
QC value within limits for Cu 327.393 Recovery = 100.34%								
Fe 273.955†	94816.1	5.00701	mg/L	0.019988	5.00701	mg/L	0.019988	0.40%
QC value within limits for Fe 273.955 Recovery = 100.14%								
K 404.721†	2935.3						174.12	5.93%
Unable to evaluate QC.								
Mg 279.077†	1413665.6	50.6596	mg/L	0.19890	50.6596	mg/L	0.19890	0.39%
QC value within limits for Mg 279.077 Recovery = 101.32%								
Mn 257.610†	321281.6	0.505641	mg/L	0.0023979	0.505641	mg/L	0.0023979	0.47%
QC value within limits for Mn 257.610 Recovery = 101.13%								
Mo 202.031†	9348.2	0.490938	mg/L	0.0071741	0.490938	mg/L	0.0071741	1.46%
QC value within limits for Mo 202.031 Recovery = 98.19%								
Na 330.237†	65224.5	46.7105	mg/L	0.27809	46.7105	mg/L	0.27809	0.60%
QC value within limits for Na 330.237 Recovery = 93.42%								
Ni 231.604†	38957.1	0.515004	mg/L	0.0027375	0.515004	mg/L	0.0027375	0.53%
QC value within limits for Ni 231.604 Recovery = 103.00%								
Pb 220.353†	8833.3	0.511976	mg/L	0.0082086	0.511976	mg/L	0.0082086	1.60%
QC value within limits for Pb 220.353 Recovery = 102.40%								
Sb 206.836†	959.0	0.497924	mg/L	0.0088796	0.497924	mg/L	0.0088796	1.78%
QC value within limits for Sb 206.836 Recovery = 99.58%								
Se 196.026†	899.1	0.498506	mg/L	0.0112999	0.498506	mg/L	0.0112999	2.27%
QC value within limits for Se 196.026 Recovery = 99.70%								
Sn 189.927†	2260.6	0.496446	mg/L	0.0075184	0.496446	mg/L	0.0075184	1.51%
QC value within limits for Sn 189.927 Recovery = 99.29%								
Ti 334.940†	557347.5	0.498666	mg/L	0.0028683	0.498666	mg/L	0.0028683	0.58%
QC value within limits for Ti 334.940 Recovery = 99.73%								
Tl 190.801†	818.2	0.527441	mg/L	0.0122393	0.527441	mg/L	0.0122393	2.32%
QC value within limits for Tl 190.801 Recovery = 105.49%								
V 290.880†	112905.5	0.507498	mg/L	0.0031490	0.507498	mg/L	0.0031490	0.62%
QC value within limits for V 290.880 Recovery = 101.50%								
Zn 206.200†	29598.8	0.509449	mg/L	0.0015159	0.509449	mg/L	0.0015159	0.30%
QC value within limits for Zn 206.200 Recovery = 101.89%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 3/7/2011 4:33:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1692480.8	103	%	0.9				0.85%
Y 371.029	710604.5	103	%	0.8				0.80%
Ag 328.068†	53.2	0.0001178	mg/L	0.00016200	0.0001178	mg/L	0.00016200	137.50%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-429.6	-0.0252609	mg/L	0.00197988	-0.0252609	mg/L	0.00197988	7.84%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.7	-0.0001936	mg/L	0.00064037	-0.0001936	mg/L	0.00064037	330.77%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	53.8	-0.0013860	mg/L	0.00000563	-0.0013860	mg/L	0.00000563	0.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	460.0	-0.0005984	mg/L	0.00004517	-0.0005984	mg/L	0.00004517	7.55%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	4037.7	-0.111678	mg/L	0.0042898	-0.111678	mg/L	0.0042898	3.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	-15.2	-0.0000588	mg/L	0.00003709	-0.0000588	mg/L	0.00003709	63.06%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-2.4	-0.0015468	mg/L	0.00007593	-0.0015468	mg/L	0.00007593	4.91%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-12.8	-0.0012209	mg/L	0.00006761	-0.0012209	mg/L	0.00006761	5.54%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	97.5	-0.0007529	mg/L	0.00048395	-0.0007529	mg/L	0.00048395	64.28%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	97.1	-0.0127205	mg/L	0.00167112	-0.0127205	mg/L	0.00167112	13.14%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-52.6						89.75	170.75%
Unable to evaluate QC.								
Mg 279.077†	321.2	-0.0753915	mg/L	0.00349580	-0.0753915	mg/L	0.00349580	4.64%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	71.2	-0.0033612	mg/L	0.00004078	-0.0033612	mg/L	0.00004078	1.21%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	7.1	0.0003679	mg/L	0.00012358	0.0003679	mg/L	0.00012358	33.59%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	90.9	0.981171	mg/L	0.0339043	0.981171	mg/L	0.0339043	3.46%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	4.2	-0.0019896	mg/L	0.00004391	-0.0019896	mg/L	0.00004391	2.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	26.2	0.0004063	mg/L	0.00035930	0.0004063	mg/L	0.00035930	88.44%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.4	0.0019141	mg/L	0.00272323	0.0019141	mg/L	0.00272323	142.27%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.5	0.0002661	mg/L	0.00089155	0.0002661	mg/L	0.00089155	335.08%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	5.0	0.0026985	mg/L	0.00079762	0.0026985	mg/L	0.00079762	29.56%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	93.3	0.0001593	mg/L	0.00000325	0.0001593	mg/L	0.00000325	2.04%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.8	0.0007675	mg/L	0.00111769	0.0007675	mg/L	0.00111769	145.64%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-96.6	-0.0014747	mg/L	0.00000257	-0.0014747	mg/L	0.00000257	0.17%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	0.9	-0.0023206	mg/L	0.00002518	-0.0023206	mg/L	0.00002518	1.08%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 20
Sample ID: 57100-021
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 123
Date Collected: 3/7/2011 4:37:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-021

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1684442.4	102	%	0.3				0.28%
Y 371.029	700625.4	101	%	0.3				0.32%
Ag 328.068†	72.4	0.0002288	mg/L	0.00012325	0.0002288	mg/L	0.00012325	53.86%
Al 308.215†	6023.7	0.124579	mg/L	0.0005022	0.124579	mg/L	0.0005022	0.40%
As 188.979†	-0.9	0.0007041	mg/L	0.00002496	0.0007041	mg/L	0.00002496	3.54%
Ba 233.527†	1558.6	0.0051632	mg/L	0.00000617	0.0051632	mg/L	0.00000617	0.12%
Be 313.107†	79.8	-0.0006831	mg/L	0.00000059	-0.0006831	mg/L	0.00000059	0.09%
Ca 315.887†	1028168.4	6.00366	mg/L	0.076090	6.00366	mg/L	0.076090	1.27%
Cd 228.802†	-1.9	0.0001372	mg/L	0.00010344	0.0001372	mg/L	0.00010344	75.37%
Co 228.616†	-8.7	-0.0016570	mg/L	0.00006728	-0.0016570	mg/L	0.00006728	4.06%
Cr 267.716†	76.3	-0.0004855	mg/L	0.00000656	-0.0004855	mg/L	0.00000656	1.35%
Cu 327.393†	535.5	0.0013980	mg/L	0.00004877	0.0013980	mg/L	0.00004877	3.49%
Fe 273.955†	1079.5	0.0392101	mg/L	0.00065072	0.0392101	mg/L	0.00065072	1.66%
K 404.721†	-89.7						8.60	9.59%
Mg 279.077†	5062.7	0.0948088	mg/L	0.00009342	0.0948088	mg/L	0.00009342	0.10%
Mn 257.610†	2266.5	0.0001162	mg/L	0.00001080	0.0001162	mg/L	0.00001080	9.30%
Mo 202.031†	31.8	0.0015165	mg/L	0.00022888	0.0015165	mg/L	0.00022888	15.09%
Na 330.237†	4394.3	4.00253	mg/L	0.072256	4.00253	mg/L	0.072256	1.81%
Ni 231.604†	59.3	-0.0012588	mg/L	0.00027328	-0.0012588	mg/L	0.00027328	21.71%
Pb 220.353†	38.3	0.0011137	mg/L	0.00013153	0.0011137	mg/L	0.00013153	11.81%
Sb 206.836†	3.8	0.0016245	mg/L	0.00024622	0.0016245	mg/L	0.00024622	15.16%
Se 196.026†	-2.9	-0.0004930	mg/L	0.00103353	-0.0004930	mg/L	0.00103353	209.65%
Sn 189.927†	-2.2	0.0012467	mg/L	0.00141969	0.0012467	mg/L	0.00141969	113.88%
Ti 334.940†	1688.7	0.0015865	mg/L	0.00005955	0.0015865	mg/L	0.00005955	3.75%
Tl 190.801†	-1.5	-0.0026067	mg/L	0.00076573	-0.0026067	mg/L	0.00076573	29.38%
V 290.880†	48.7	-0.0008246	mg/L	0.00026086	-0.0008246	mg/L	0.00026086	31.63%
Zn 206.200†	1163.2	0.0178180	mg/L	0.00002102	0.0178180	mg/L	0.00002102	0.12%

Sequence No.: 21
Sample ID: 57100-021 SD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 124
Date Collected: 3/7/2011 4:40:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 57100-021 SD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1685319.8	102	%	0.8				0.79%
Y 371.029	704676.9	102	%	0.7				0.67%
Ag 328.068†	64.8	0.0001859	mg/L	0.00015094	0.0001859	mg/L	0.00015094	81.21%
Al 308.215†	1037.9	0.0088163	mg/L	0.00329627	0.0088163	mg/L	0.00329627	37.39%
As 188.979†	-2.7	-0.0002250	mg/L	0.00141158	-0.0002250	mg/L	0.00141158	627.42%
Ba 233.527†	344.9	-0.0001191	mg/L	0.00000498	-0.0001191	mg/L	0.00000498	4.18%
Be 313.107†	146.4	-0.0006679	mg/L	0.00002224	-0.0006679	mg/L	0.00002224	3.33%
Ca 315.887†	205234.2	1.08972	mg/L	0.011700	1.08972	mg/L	0.011700	1.07%
Cd 228.802†	-22.7	-0.0001703	mg/L	0.00000043	-0.0001703	mg/L	0.00000043	0.25%
Co 228.616†	1.2	-0.0014819	mg/L	0.00009258	-0.0014819	mg/L	0.00009258	6.25%
Cr 267.716†	-23.2	-0.0013038	mg/L	0.00001465	-0.0013038	mg/L	0.00001465	1.12%
Cu 327.393†	258.5	0.0000536	mg/L	0.00033104	0.0000536	mg/L	0.00033104	617.91%
Fe 273.955†	270.9	-0.0035352	mg/L	0.00211840	-0.0035352	mg/L	0.00211840	59.92%
K 404.721†	-162.7						83.17	51.10%
Mg 279.077†	1107.4	-0.0471732	mg/L	0.00204442	-0.0471732	mg/L	0.00204442	4.33%
Mn 257.610†	493.7	-0.0026921	mg/L	0.00000203	-0.0026921	mg/L	0.00000203	0.08%
Mo 202.031†	10.8	0.0005327	mg/L	0.00045980	0.0005327	mg/L	0.00045980	86.32%
Na 330.237†	841.6	1.50820	mg/L	0.054758	1.50820	mg/L	0.054758	3.63%
Ni 231.604†	11.3	-0.0018955	mg/L	0.00027437	-0.0018955	mg/L	0.00027437	14.47%
Pb 220.353†	14.4	-0.0002765	mg/L	0.00035506	-0.0002765	mg/L	0.00035506	128.42%
Sb 206.836†	6.0	0.0027425	mg/L	0.00033958	0.0027425	mg/L	0.00033958	12.38%
Se 196.026†	0.6	0.0014407	mg/L	0.00266254	0.0014407	mg/L	0.00266254	184.81%
Sn 189.927†	-1.8	0.0012317	mg/L	0.00020062	0.0012317	mg/L	0.00020062	16.29%
Ti 334.940†	361.4	0.0003992	mg/L	0.00004338	0.0003992	mg/L	0.00004338	10.87%
Tl 190.801†	2.9	0.0001998	mg/L	0.00109997	0.0001998	mg/L	0.00109997	550.52%
V 290.880†	-35.7	-0.0012011	mg/L	0.00002380	-0.0012011	mg/L	0.00002380	1.98%
Zn 206.200†	240.8	0.0018362	mg/L	0.00006915	0.0018362	mg/L	0.00006915	3.77%

Sequence No.: 22
Sample ID: EF-DIH2O
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 125
Date Collected: 3/7/2011 4:44:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: EF-DIH2O

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1700507.4	103	%	1.3				1.23%
Y 371.029	709820.6	103	%	1.1				1.11%
Ag 328.068†	141.4	0.0006380	mg/L	0.00008986	0.0006380	mg/L	0.00008986	14.08%
Al 308.215†	-317.5	-0.0226613	mg/L	0.00662543	-0.0226613	mg/L	0.00662543	29.24%
As 188.979†	-0.9	0.0007624	mg/L	0.00099249	0.0007624	mg/L	0.00099249	130.18%
Ba 233.527†	369.3	-0.0000130	mg/L	0.00007233	-0.0000130	mg/L	0.00007233	557.00%
Be 313.107†	144.3	-0.0006683	mg/L	0.00000388	-0.0006683	mg/L	0.00000388	0.58%
Ca 315.887†	101987.0	0.473201	mg/L	0.0031294	0.473201	mg/L	0.0031294	0.66%
Cd 228.802†	1.1	0.0001830	mg/L	0.00011687	0.0001830	mg/L	0.00011687	63.86%
Co 228.616†	-3.2	-0.0015627	mg/L	0.00024642	-0.0015627	mg/L	0.00024642	15.77%
Cr 267.716†	44.7	-0.0007510	mg/L	0.00021887	-0.0007510	mg/L	0.00021887	29.15%
Cu 327.393†	822.1	0.0029503	mg/L	0.00025826	0.0029503	mg/L	0.00025826	8.75%
Fe 273.955†	804.5	0.0246526	mg/L	0.00305038	0.0246526	mg/L	0.00305038	12.37%
K 404.721†	-172.5						58.97	34.19%
Mg 279.077†	2155.4	-0.0095578	mg/L	0.00032924	-0.0095578	mg/L	0.00032924	3.44%
Mn 257.610†	596.2	-0.0025282	mg/L	0.00004606	-0.0025282	mg/L	0.00004606	1.82%
Mo 202.031†	9.8	0.0004951	mg/L	0.00022408	0.0004951	mg/L	0.00022408	45.26%
Na 330.237†	527.1	1.28741	mg/L	0.037223	1.28741	mg/L	0.037223	2.89%
Ni 231.604†	22.9	-0.0017423	mg/L	0.00025916	-0.0017423	mg/L	0.00025916	14.87%
Pb 220.353†	14.2	-0.0002908	mg/L	0.00132336	-0.0002908	mg/L	0.00132336	455.06%
Sb 206.836†	3.2	0.0013313	mg/L	0.00180555	0.0013313	mg/L	0.00180555	135.63%
Se 196.026†	-9.4	-0.0040714	mg/L	0.00169115	-0.0040714	mg/L	0.00169115	41.54%
Sn 189.927†	2.2	0.0021023	mg/L	0.00058142	0.0021023	mg/L	0.00058142	27.66%
Ti 334.940†	551.8	0.0005695	mg/L	0.00004762	0.0005695	mg/L	0.00004762	8.36%
Tl 190.801†	-1.2	-0.0024328	mg/L	0.00131942	-0.0024328	mg/L	0.00131942	54.23%
V 290.880†	-141.6	-0.0016810	mg/L	0.00015418	-0.0016810	mg/L	0.00015418	9.17%
Zn 206.200†	865.1	0.0126340	mg/L	0.00031093	0.0126340	mg/L	0.00031093	2.46%

Sequence No.: 23
Sample ID: ICSA V-107289
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 3/7/2011 4:48:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA V-107289

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1407016.0	85.4	%	0.37				0.43%
Y 371.029	578978.0	83.6	%	0.34				0.40%
Ag 328.068†	-1058.4	-0.0030320	mg/L	0.00014578	-0.0030320	mg/L	0.00014578	4.81%
Al 308.215†	21749321.6	505.089	mg/L	1.6070	505.089	mg/L	1.6070	0.32%
QC value within limits for Al 308.215 Recovery = 101.02%								
As 188.979†	-49.8	0.0011939	mg/L	0.00467268	0.0011939	mg/L	0.00467268	391.38%
Ba 233.527†	824.4	-0.0000599	mg/L	0.00000019	-0.0000599	mg/L	0.00000019	0.31%
Be 313.107†	-3417.9	0.0000637	mg/L	0.00002321	0.0000637	mg/L	0.00002321	36.46%
Ca 315.887†	79932676.2	477.162	mg/L	1.9940	477.162	mg/L	1.9940	0.42%
QC value within limits for Ca 315.887 Recovery = 95.43%								
Cd 228.802†	299.7	-0.0008216	mg/L	0.00022317	-0.0008216	mg/L	0.00022317	27.16%
Co 228.616†	-200.6	-0.0026218	mg/L	0.00002007	-0.0026218	mg/L	0.00002007	0.77%
Cr 267.716†	-307.3	0.0031999	mg/L	0.00015510	0.0031999	mg/L	0.00015510	4.85%
Cu 327.393†	1886.1	0.0012070	mg/L	0.00050147	0.0012070	mg/L	0.00050147	41.55%
Fe 273.955†	3579326.1	189.148	mg/L	0.1941	189.148	mg/L	0.1941	0.10%
QC value within limits for Fe 273.955 Recovery = 94.57%								
K 404.721†	-446.9						71.86	16.08%
Mg 279.077†	13829399.8	496.271	mg/L	2.4501	496.271	mg/L	2.4501	0.49%
QC value within limits for Mg 279.077 Recovery = 99.25%								
Mn 257.610†	-6340.5	-0.0004670	mg/L	0.00004953	-0.0004670	mg/L	0.00004953	10.61%
Mo 202.031†	145.1	0.0083119	mg/L	0.00013884	0.0083119	mg/L	0.00013884	1.67%
Na 330.237†	606.2	1.34297	mg/L	0.014959	1.34297	mg/L	0.014959	1.11%
Ni 231.604†	-5.4	-0.0021121	mg/L	0.00024000	-0.0021121	mg/L	0.00024000	11.36%
Pb 220.353†	-1367.7	0.0007530	mg/L	0.00005632	0.0007530	mg/L	0.00005632	7.48%
Sb 206.836†	-60.6	-0.0102126	mg/L	0.00039199	-0.0102126	mg/L	0.00039199	3.84%
Se 196.026†	-26.7	0.0178975	mg/L	0.00415498	0.0178975	mg/L	0.00415498	23.22%
Sn 189.927†	-17.4	0.0014485	mg/L	0.00076217	0.0014485	mg/L	0.00076217	52.62%
Ti 334.940†	3036.0	0.0027919	mg/L	0.00011510	0.0027919	mg/L	0.00011510	4.12%
Tl 190.801†	-21.9	-0.0000614	mg/L	0.00213390	-0.0000614	mg/L	0.00213390	>999.9%
V 290.880†	6348.5	0.0067395	mg/L	0.00000432	0.0067395	mg/L	0.00000432	0.06%
Zn 206.200†	421.9	-0.0000945	mg/L	0.00034733	-0.0000945	mg/L	0.00034733	367.67%

All analyte(s) passed QC.

Sequence No.: 24 Autosampler Location: 8
Sample ID: ICSAB V-107290 Date Collected: 3/7/2011 4:53:39 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSAB V-107290

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1409183.8	85.6	%	0.26				0.30%
Y 371.029	578964.0	83.6	%	0.32				0.38%
Ag 328.068†	176801.7	1.04564	mg/L	0.001375	1.04564	mg/L	0.001375	0.13%
QC value within limits for Ag 328.068 Recovery = 104.56%								
Al 308.215†	21708372.4	504.138	mg/L	0.7247	504.138	mg/L	0.7247	0.14%
QC value within limits for Al 308.215 Recovery = 100.83%								
As 188.979†	1896.4	1.03901	mg/L	0.000547	1.03901	mg/L	0.000547	0.05%
QC value within limits for As 188.979 Recovery = 103.90%								
Ba 233.527†	121430.5	0.524911	mg/L	0.0006282	0.524911	mg/L	0.0006282	0.12%
QC value within limits for Ba 233.527 Recovery = 104.98%								
Be 313.107†	2289001.8	0.507745	mg/L	0.0010038	0.507745	mg/L	0.0010038	0.20%
QC value within limits for Be 313.107 Recovery = 101.55%								
Ca 315.887†	80096602.8	478.141	mg/L	0.9110	478.141	mg/L	0.9110	0.19%
QC value within limits for Ca 315.887 Recovery = 95.63%								
Cd 228.802†	70392.9	1.03897	mg/L	0.003006	1.03897	mg/L	0.003006	0.29%
QC value within limits for Cd 228.802 Recovery = 103.90%								
Co 228.616†	27395.8	0.488065	mg/L	0.0004315	0.488065	mg/L	0.0004315	0.09%
QC value within limits for Co 228.616 Recovery = 97.61%								
Cr 267.716†	61260.9	0.504649	mg/L	0.0010799	0.504649	mg/L	0.0010799	0.21%
QC value within limits for Cr 267.716 Recovery = 100.93%								
Cu 327.393†	107275.8	0.541140	mg/L	0.0017665	0.541140	mg/L	0.0017665	0.33%
QC value within limits for Cu 327.393 Recovery = 108.23%								
Fe 273.955†	3571676.4	188.745	mg/L	0.3600	188.745	mg/L	0.3600	0.19%
QC value within limits for Fe 273.955 Recovery = 94.37%								
K 404.721†	-440.0						52.17	11.86%
Mg 279.077†	13911296.5	499.211	mg/L	1.0012	499.211	mg/L	1.0012	0.20%
QC value within limits for Mg 279.077 Recovery = 99.84%								
Mn 257.610†	313687.9	0.505813	mg/L	0.0009424	0.505813	mg/L	0.0009424	0.19%
QC value within limits for Mn 257.610 Recovery = 101.16%								
Mo 202.031†	134.5	0.0077078	mg/L	0.00025708	0.0077078	mg/L	0.00025708	3.34%
Na 330.237†	1930.1	2.27243	mg/L	0.017788	2.27243	mg/L	0.017788	0.78%
Ni 231.604†	71895.0	0.951559	mg/L	0.0022827	0.951559	mg/L	0.0022827	0.24%
QC value within limits for Ni 231.604 Recovery = 95.16%								
Pb 220.353†	15409.7	0.972745	mg/L	0.0003259	0.972745	mg/L	0.0003259	0.03%
QC value within limits for Pb 220.353 Recovery = 97.27%								
Sb 206.836†	1968.2	1.04344	mg/L	0.004051	1.04344	mg/L	0.004051	0.39%
QC value within limits for Sb 206.836 Recovery = 104.34%								
Se 196.026†	1831.4	1.04344	mg/L	0.006706	1.04344	mg/L	0.006706	0.64%
QC value within limits for Se 196.026 Recovery = 104.34%								
Sn 189.927†	-21.0	0.0006855	mg/L	0.00073506	0.0006855	mg/L	0.00073506	107.23%
Ti 334.940†	3509.1	0.0032150	mg/L	0.00008705	0.0032150	mg/L	0.00008705	2.71%
Tl 190.801†	1486.6	0.971820	mg/L	0.0025299	0.971820	mg/L	0.0025299	0.26%
QC value within limits for Tl 190.801 Recovery = 97.18%								
V 290.880†	116577.4	0.504305	mg/L	0.0013665	0.504305	mg/L	0.0013665	0.27%
QC value within limits for V 290.880 Recovery = 100.86%								
Zn 206.200†	57691.8	0.990777	mg/L	0.0039311	0.990777	mg/L	0.0039311	0.40%
QC value within limits for Zn 206.200 Recovery = 99.08%								

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: CCV V-108509
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 3/7/2011 4:59:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV V-108509

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1555399.7	94.4	%	1.10				1.16%
Y 371.029	638776.1	92.3	%	1.05				1.14%
Ag 328.068†	16771.3	0.0980698	mg/L	0.00184636	0.0980698	mg/L	0.00184636	1.88%
QC value within limits for Ag 328.068 Recovery = 98.07%								
Al 308.215†	219563.1	5.07239	mg/L	0.094878	5.07239	mg/L	0.094878	1.87%
QC value within limits for Al 308.215 Recovery = 101.45%								
As 188.979†	931.4	0.497217	mg/L	0.0035237	0.497217	mg/L	0.0035237	0.71%
QC value within limits for As 188.979 Recovery = 99.44%								
Ba 233.527†	118701.7	0.515003	mg/L	0.0094020	0.515003	mg/L	0.0094020	1.83%
QC value within limits for Ba 233.527 Recovery = 103.00%								
Be 313.107†	2287815.6	0.505681	mg/L	0.0090822	0.505681	mg/L	0.0090822	1.80%
QC value within limits for Be 313.107 Recovery = 101.14%								
Ca 315.887†	8475429.8	50.4731	mg/L	0.88193	50.4731	mg/L	0.88193	1.75%
QC value within limits for Ca 315.887 Recovery = 100.95%								
Cd 228.802†	34356.3	0.509730	mg/L	0.0081217	0.509730	mg/L	0.0081217	1.59%
QC value within limits for Cd 228.802 Recovery = 101.95%								
Co 228.616†	29172.0	0.517693	mg/L	0.0087702	0.517693	mg/L	0.0087702	1.69%
QC value within limits for Co 228.616 Recovery = 103.54%								
Cr 267.716†	62689.9	0.512029	mg/L	0.0091623	0.512029	mg/L	0.0091623	1.79%
QC value within limits for Cr 267.716 Recovery = 102.41%								
Cu 327.393†	98852.4	0.504149	mg/L	0.0088617	0.504149	mg/L	0.0088617	1.76%
QC value within limits for Cu 327.393 Recovery = 100.83%								
Fe 273.955†	95472.6	5.04181	mg/L	0.084709	5.04181	mg/L	0.084709	1.68%
QC value within limits for Fe 273.955 Recovery = 100.84%								
K 404.721†	2978.3						16.50	0.55%
Unable to evaluate QC.								
Mg 279.077†	1423798.6	51.0233	mg/L	0.73641	51.0233	mg/L	0.73641	1.44%
QC value within limits for Mg 279.077 Recovery = 102.05%								
Mn 257.610†	324123.8	0.510143	mg/L	0.0090492	0.510143	mg/L	0.0090492	1.77%
QC value within limits for Mn 257.610 Recovery = 102.03%								
Mo 202.031†	9397.7	0.493542	mg/L	0.0039053	0.493542	mg/L	0.0039053	0.79%
QC value within limits for Mo 202.031 Recovery = 98.71%								
Na 330.237†	65695.9	47.0415	mg/L	0.96335	47.0415	mg/L	0.96335	2.05%
QC value within limits for Na 330.237 Recovery = 94.08%								
Ni 231.604†	39094.1	0.516823	mg/L	0.0098305	0.516823	mg/L	0.0098305	1.90%
QC value within limits for Ni 231.604 Recovery = 103.36%								
Pb 220.353†	8859.3	0.513500	mg/L	0.0033801	0.513500	mg/L	0.0033801	0.66%
QC value within limits for Pb 220.353 Recovery = 102.70%								
Sb 206.836†	966.1	0.501617	mg/L	0.0063086	0.501617	mg/L	0.0063086	1.26%
QC value within limits for Sb 206.836 Recovery = 100.32%								
Se 196.026†	908.1	0.503444	mg/L	0.0051090	0.503444	mg/L	0.0051090	1.01%
QC value within limits for Se 196.026 Recovery = 100.69%								
Sn 189.927†	2262.4	0.496850	mg/L	0.0028554	0.496850	mg/L	0.0028554	0.57%
QC value within limits for Sn 189.927 Recovery = 99.37%								
Ti 334.940†	564932.2	0.505451	mg/L	0.0082661	0.505451	mg/L	0.0082661	1.64%
QC value within limits for Ti 334.940 Recovery = 101.09%								
Tl 190.801†	825.7	0.532285	mg/L	0.0026042	0.532285	mg/L	0.0026042	0.49%
QC value within limits for Tl 190.801 Recovery = 106.46%								
V 290.880†	113385.4	0.509657	mg/L	0.0097549	0.509657	mg/L	0.0097549	1.91%
QC value within limits for V 290.880 Recovery = 101.93%								
Zn 206.200†	29744.4	0.511967	mg/L	0.0095815	0.511967	mg/L	0.0095815	1.87%
QC value within limits for Zn 206.200 Recovery = 102.39%								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 26
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/7/2011 5:03:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1693453.2	103	%	0.1				0.05%
Y 371.029	710665.9	103	%	0.1				0.06%
Ag 328.068†	35.4	0.0000126	mg/L	0.00044037	0.0000126	mg/L	0.00044037	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-472.2	-0.0262513	mg/L	0.00071134	-0.0262513	mg/L	0.00071134	2.71%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.2	0.0000362	mg/L	0.00090922	0.0000362	mg/L	0.00090922	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	45.0	-0.0014244	mg/L	0.00007421	-0.0014244	mg/L	0.00007421	5.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	472.7	-0.0005956	mg/L	0.00003809	-0.0005956	mg/L	0.00003809	6.40%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	5253.4	-0.104419	mg/L	0.0046564	-0.104419	mg/L	0.0046564	4.46%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	1.6	0.0001904	mg/L	0.00004180	0.0001904	mg/L	0.00004180	21.96%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-0.1	-0.0015063	mg/L	0.00000959	-0.0015063	mg/L	0.00000959	0.64%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-25.1	-0.0013208	mg/L	0.00003706	-0.0013208	mg/L	0.00003706	2.81%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	87.6	-0.0008039	mg/L	0.00001852	-0.0008039	mg/L	0.00001852	2.30%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 273.955†	118.1	-0.0116101	mg/L	0.00070959	-0.0116101	mg/L	0.00070959	6.11%
QC value within limits for Fe 273.955 Recovery = Not calculated								
K 404.721†	-94.2						53.16	56.42%
Unable to evaluate QC.								
Mg 279.077†	330.5	-0.0750584	mg/L	0.00158403	-0.0750584	mg/L	0.00158403	2.11%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	91.2	-0.0033294	mg/L	0.00002584	-0.0033294	mg/L	0.00002584	0.78%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.0	0.0004162	mg/L	0.00035874	0.0004162	mg/L	0.00035874	86.20%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 330.237†	69.0	0.965792	mg/L	0.0444273	0.965792	mg/L	0.0444273	4.60%
QC value within limits for Na 330.237 Recovery = Not calculated								
Ni 231.604†	21.1	-0.0017656	mg/L	0.00016763	-0.0017656	mg/L	0.00016763	9.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.8	-0.0010627	mg/L	0.00020548	-0.0010627	mg/L	0.00020548	19.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.7	0.0015557	mg/L	0.00325383	0.0015557	mg/L	0.00325383	209.15%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.5	-0.0002955	mg/L	0.00439206	-0.0002955	mg/L	0.00439206	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.5	0.0010635	mg/L	0.00053630	0.0010635	mg/L	0.00053630	50.43%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	153.2	0.0002129	mg/L	0.00000500	0.0002129	mg/L	0.00000500	2.35%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.1	0.0003000	mg/L	0.00084726	0.0003000	mg/L	0.00084726	282.37%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-227.0	-0.0020638	mg/L	0.00004322	-0.0020638	mg/L	0.00004322	2.09%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-6.2	-0.0024425	mg/L	0.00004437	-0.0024425	mg/L	0.00004437	1.82%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Method: HGCV2 SPLP (7470A) Page 1 Date: 3/9/2011 9:57:16 AM

1st Rev cja 3/9/11 V-110100

Analysis Begun

Logged In Analyst: johns Technique: AA FIMS-MHS
Spectrometer Model: FIMS-100, S/N B050-9550 Autosampler Model: AS-90

shian 3/10/11

Sample Information File: C:\data-AA\johns\Sample Information\DEFAULT.SID.sif
Batch ID: H12376SP
Results Data Set: H12376SP
Results Library: C:\data-AA\johns\Results\Results.mdb

Method Loaded
Method Name: HGCV2 SPLP (7470A) Method Last Saved: 12/26/2007 1:16:33 PM
Method Description: HgCV2 SPLP (7470A)

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 3/9/2011 9:51:50 AM
Analyst: Data Type: Original

Replicate Data: Calibration Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0011	0.0024	0.0011	09:52:46	Yes
2		[0.00]	0.0011	0.0027	0.0011	09:53:18	Yes
Mean:		[0.00]	0.0011				
SD:		0.00	0.0000				
%RSD:		0.00	2.08				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: .2 PPB Date Collected: 3/9/2011 9:53:20 AM
Analyst: Data Type: Original

Replicate Data: .2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0008	0.0039	0.0019	09:54:16	Yes
2		[0.2]	0.0010	0.0048	0.0021	09:54:48	Yes
Mean:		[0.2]	0.0009				
SD:		0.0	0.0001				
%RSD:		0.0	10.71				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00455 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: .5 PPB Date Collected: 3/9/2011 9:54:49 AM
Analyst: Data Type: Original

Replicate Data: .5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0026	0.0103	0.0036	09:55:45	Yes
2		[0.5]	0.0025	0.0082	0.0035	09:56:17	Yes
Mean:		[0.5]	0.0025				
SD:		0.0	0.0001				
%RSD:		0.0	3.01				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999057 Slope: 0.00506 Intercept: -0.00004

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1 PPB Date Collected: 3/9/2011 9:56:18 AM
Analyst: Data Type: Original

Replicate Data: 1 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1]	0.0053	0.0172	0.0064	09:57:14	Yes
2	[1]	0.0052	0.0170	0.0063	09:57:47	Yes
Mean:	[1]	0.0053				
SD:	0	0.0001				
%RSD:	0	1.69				

Standard number 3 applied. [1]
Correlation Coef.: 0.999517 Slope: 0.00530 Intercept: -0.00008

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2 PPB **Date Collected: 3/9/2011 9:57:48 AM**
Analyst: **Data Type: Original**

Replicate Data: 2 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2]	0.0104	0.0316	0.0115	09:58:44	Yes
2		[2]	0.0104	0.0324	0.0115	09:59:17	Yes
Mean:		[2]	0.0104				
SD:		0	0.0000				
%RSD:		0	0.08				

Standard number 4 applied. [2]
Correlation Coef.: 0.999875 Slope: 0.00524 Intercept: -0.00006

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5 PPB **Date Collected: 3/9/2011 9:59:18 AM**
Analyst: **Data Type: Original**

Replicate Data: 5 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5]	0.0268	0.0767	0.0278	10:00:14	Yes
2		[5]	0.0265	0.0767	0.0276	10:00:46	Yes
Mean:		[5]	0.0266				
SD:		0	0.0002				
%RSD:		0	0.75				

Standard number 5 applied. [5]
Correlation Coef.: 0.999955 Slope: 0.00534 Intercept: -0.00012

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10 PPB **Date Collected: 3/9/2011 10:00:47 AM**
Analyst: **Data Type: Original**

Replicate Data: 10 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10]	0.0528	0.1494	0.0539	10:01:43	Yes
2		[10]	0.0531	0.1475	0.0542	10:02:16	Yes
Mean:		[10]	0.0530				
SD:		0	0.0002				
%RSD:		0	0.43				

Standard number 6 applied. [10]
Correlation Coef.: 0.999987 Slope: 0.00531 Intercept: -0.00009

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: 25 PPB **Date Collected: 3/9/2011 10:02:17 AM**
Analyst: **Data Type: Original**

Replicate Data: 25 PPB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[25]	0.1287	0.3603	0.1298	10:03:12	Yes
2		[25]	0.1304	0.3627	0.1315	10:03:44	Yes
Mean:		[25]	0.1296				
SD:		0	0.0012				
%RSD:		0	0.91				

Standard number 7 applied. [25]
Correlation Coef.: 0.999950 Slope: 0.00519 Intercept: 0.00016

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	-0.031	0.00	2.1
.2 PPB	0.0009	0.2	0.144	0.00	10.7
.5 PPB	0.0025	0.5	0.453	0.00	3.0
1 PPB	0.0053	1.0	0.980	0.00	1.7
2 PPB	0.0104	2.0	1.971	0.00	0.1
5 PPB	0.0266	5.0	5.095	0.00	0.7
10 PPB	0.0530	10.0	10.170	0.00	0.4
25 PPB	0.1296	25.0	24.918	0.00	0.9

Correlation Coef.: 0.999950 Slope: 0.00519 Intercept: 0.00016

Sequence No.: 9 Autosampler Location: 10
Sample ID: ICV (2) Date Collected: 3/9/2011 10:03:45 AM
Analyst: Data Type: Original

Replicate Data: ICV (2)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	20.50	20.50	0.1066	0.2990	0.1077	10:04:44	Yes
2	20.19	20.19	0.1050	0.2922	0.1061	10:05:17	Yes
Mean:	20.34	20.34	0.1058				
SD:	0.219	0.219	0.0011				
%RSD:	1.074	1.074	1.07				

QC value within limits for Hg 253.7 Recovery = 101.71%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: ICB Date Collected: 3/9/2011 10:05:18 AM
Analyst: Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.070	-0.070	-0.0002	0.0005	0.0009	10:06:14	Yes
2	-0.035	-0.035	-0.0000	0.0015	0.0011	10:06:46	Yes
Mean:	-0.052	-0.052	-0.0001				
SD:	0.025	0.025	0.0001				
%RSD:	47.38	47.38	117.47				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 11
Sample ID: MB 3400 (1) Date Collected: 3/9/2011 10:06:48 AM
Analyst: Data Type: Original

Replicate Data: MB 3400 (1)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.035	-0.035	-0.0000	0.0006	0.0011	10:07:44	Yes
2	-0.018	-0.018	0.0001	0.0025	0.0011	10:08:17	Yes
Mean:	-0.026	-0.026	0.0000				
SD:	0.012	0.012	0.0001				
%RSD:	46.52	46.52	255.54				

Sequence No.: 12 Autosampler Location: 12
Sample ID: LCSW 3400 Date Collected: 3/9/2011 10:08:18 AM
Analyst: Data Type: Original

Replicate Data: LCSW 3400

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.33	10.33	0.0538	0.1516	0.0549	10:09:14	Yes
2	10.28	10.28	0.0536	0.1484	0.0546	10:09:47	Yes
Mean:	10.31	10.31	0.0537				

SD:	0.038	0.038	0.0002
%RSD:	0.365	0.365	0.36

Sequence No.: 13 **Autosampler Location: 13**
Sample ID: LCSW MR 3400 **Date Collected: 3/9/2011 10:09:48 AM**
Analyst: **Data Type: Original**

Replicate Data: LCSW MR 3400

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.57	10.57	0.0551	0.1537	0.0561	10:10:44	Yes
2	10.46	10.46	0.0545	0.1512	0.0556	10:11:16	Yes
Mean:	10.51	10.51	0.0548				
SD:	0.079	0.079	0.0004				
%RSD:	0.752	0.752	0.75				

Sequence No.: 14 **Autosampler Location: 14**
Sample ID: 57098-020 **Date Collected: 3/9/2011 10:11:18 AM**
Analyst: **Data Type: Original**

Replicate Data: 57098-020

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0002	0.0045	0.0012	10:12:13	Yes
2	-0.013	-0.013	0.0001	0.0037	0.0012	10:12:46	Yes
Mean:	-0.006	-0.006	0.0001				
SD:	0.010	0.010	0.0001				
%RSD:	174.4	174.4	38.23				

Sequence No.: 15 **Autosampler Location: 15**
Sample ID: 57098-020 MR **Date Collected: 3/9/2011 10:12:47 AM**
Analyst: **Data Type: Original**

Replicate Data: 57098-020 MR

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	0.0001	0.0038	0.0012	10:13:43	Yes
2	-0.015	-0.015	0.0001	0.0028	0.0012	10:14:16	Yes
Mean:	-0.010	-0.010	0.0001				
SD:	0.008	0.008	0.0000				
%RSD:	78.75	78.75	35.49				

Sequence No.: 16 **Autosampler Location: 16**
Sample ID: 57098-020 SPLP SPK **Date Collected: 3/9/2011 10:14:17 AM**
Analyst: **Data Type: Original**

Replicate Data: 57098-020 SPLP SPK

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.21	10.21	0.0532	0.1494	0.0542	10:15:12	Yes
2	10.10	10.10	0.0526	0.1478	0.0537	10:15:45	Yes
Mean:	10.15	10.15	0.0529				
SD:	0.074	0.074	0.0004				
%RSD:	0.734	0.734	0.73				

Sequence No.: 17 **Autosampler Location: 17**
Sample ID: 57100-021 **Date Collected: 3/9/2011 10:15:46 AM**
Analyst: **Data Type: Original**

Replicate Data: 57100-021

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.023	-0.023	0.0000	0.0022	0.0011	10:16:41	Yes
2	-0.014	-0.014	0.0001	0.0021	0.0012	10:17:14	Yes
Mean:	-0.018	-0.018	0.0001				
SD:	0.007	0.007	0.0000				

%RSD: 36.36 36.36 51.67

Sequence No.: 18 **Autosampler Location: 18**
Sample ID: DI-BLANK 3/2 **Date Collected: 3/9/2011 10:17:16 AM**
Analyst: **Data Type: Original**

Replicate Data: DI-BLANK 3/2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.020	-0.020	0.0001	0.0031	0.0011	10:18:11	Yes
2	-0.051	-0.051	-0.0001	0.0006	0.0010	10:18:44	Yes
Mean:	-0.036	-0.036	-0.0000				
SD:	0.022	0.022	0.0001				
%RSD:	62.01	62.01	484.82				

Sequence No.: 19 **Autosampler Location: 9**
Sample ID: CCV **Date Collected: 3/9/2011 10:18:45 AM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.12	10.12	0.0527	0.1481	0.0538	10:19:44	Yes
2	10.20	10.20	0.0532	0.1485	0.0542	10:20:17	Yes
Mean:	10.16	10.16	0.0529				
SD:	0.059	0.059	0.0003				
%RSD:	0.584	0.584	0.58				

QC value within limits for Hg 253.7 Recovery = 101.62%
All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 3/9/2011 10:20:18 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.016	-0.016	0.0001	0.0030	0.0012	10:21:14	Yes
2	-0.016	-0.016	0.0001	0.0026	0.0012	10:21:46	Yes
Mean:	-0.016	-0.016	0.0001				
SD:	0.000	0.000	0.0000				
%RSD:	2.930	2.930	3.11				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108482

Prepared By: Perez-Capellan, Joelly
Description: Hg Intermediate Standard
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9681
Concentration: .25 ppm
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4819	Mercury	.125 ml	1000 mg/l	
5540	Nitric Acid	12.5 ml	neat neat	

Veritech Lot Number: V-108483

Prepared By: Perez-Capellan, Joelly
Description: Hg intermediate Control
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9681
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-108598

Prepared By: Soules, John
Description: Hg AQ ICV 20 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 20 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108483	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108599

Prepared By: Soules, John
Description: Hg AQ CCV 10 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108483	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108600

Prepared By: Soules, John
Description: Hg AQ standard blk
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 0 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108601

Prepared By: Soules, John
Description: Hg AQ standard .2 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: .2 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108602

Prepared By: Soules, John
Description: Hg AQ standard .5 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: .5 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-108482	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-108603

Prepared By: Soules, John
Description: Hg AQ standard 1 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 1 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108604

Prepared By: Soules, John
Description: Hg AQ standard 2 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 2 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108605

Prepared By: Soules, John
Description: Hg AQ standard 5 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 5 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-108606

Prepared By: Soules, John
Description: Hg AQ standard 10 ppb
Prep Date: 2/15/2011
Expiration Date: 2/15/2011
Department: Metals
BatchNumber: B-9691
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108607

Prepared By:	Soules, John	Department: Metals	ApprovedBy: melissa
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9691	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 25 ppb	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-108482	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101034

Prepared By: Berls, Sean R.
Description: 5% Potassium Persulfate
Prep Date: 11/9/2010
Expiration Date: 2/8/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5482	Nitric Acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105162

Prepared By: Aliano, Carmela
Description: Hydroxylamine Hydrochloride
Prep Date: 1/4/2011
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 01/21/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-105540

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5482	Nitric Acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-105541

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/10/2011
Expiration Date: 4/9/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-106421

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5540	Nitric Acid	25 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-106425

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107286

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107288

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5247	ICSA	50 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Lot Number: V-107291

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5401	ICV1	10 ml	NEAT neat	

Veritech Lot Number: V-107293

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 1000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107507

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 2/3/2011
Expiration Date: 8/3/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5481	Hydrochloric acid	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108388

Prepared By:	Perez-Capellan, Joelly	Department: Metals	ApprovedBy: melissa
Description:	5% Potassium Permanganate	BatchNumber:	ApproveDate: 02/22/11
Prep Date:	2/14/2011	Concentration: reagent	Checked: Yes
Expiration Date:	8/13/2011	Final Volume: 9.5 l	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108483

Prepared By:	Perez-Capellan, Joelly	Department: Metals	ApprovedBy: melissa
Description:	Hg intermediate Control	BatchNumber: B-9681	ApproveDate: 02/22/11
Prep Date:	2/15/2011	Concentration: 1.0 ppm	Checked: Yes
Expiration Date:	2/15/2011	Final Volume: 100 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-108610

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: melissa
Description:	SnCl2	BatchNumber: B-9692	ApproveDate: 02/22/11
Prep Date:	2/17/2011	Concentration: 1.1% SnCl2 in	Checked: Yes
Expiration Date:	2/17/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-108611	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-108611

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: melissa
Description:	3% HCL	BatchNumber: B-9692	ApproveDate: 02/22/11
Prep Date:	2/17/2011	Concentration: reagent reage	Checked: Yes
Expiration Date:	2/17/2011	Final Volume: 10 l	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5365	hydrochloric acid	300 ml	neat neat	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description
Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description
Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5202

Description: Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5247

Description: ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description: icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description: hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description: ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description: ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5481

Description: Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109065

Prepared By: Perez-Capellan, Joelly
Description: Hg Intermediate Standard
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9731
Concentration: .25 ppm
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 03/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	12.5 ml	neat neat	
4819	Mercury	.125 ml	1000 mg/l	

Veritech Lot Number: V-109066

Prepared By: Perez-Capellan, Joelly
Description: Hg intermediate Control
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9731
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: shiamala
ApproveDate: 03/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-109187

Prepared By: Soules, John
Description: Hg AQ ICV 20 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 20 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109066	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109188

Prepared By: Soules, John
Description: Hg AQ CCV 10 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109066	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109189

Prepared By: Soules, John
Description: Hg AQ standard blk
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 0 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109190

Prepared By: Soules, John
Description: Hg AQ standard .2 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: .2 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109191

Prepared By: Soules, John
Description: Hg AQ standard .5 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: .5 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-109065	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-109192

Prepared By: Soules, John
Description: Hg AQ standard 1 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 1 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109193

Prepared By: Soules, John
Description: Hg AQ standard 2 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 2 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109194

Prepared By: Soules, John
Description: Hg AQ standard 5 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 5 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109195

Prepared By: Soules, John
Description: Hg AQ standard 10 ppb
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9739
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/09/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109196

Prepared By:	Soules, John	Department: Metals	ApprovedBy: shiamala
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9739	ApproveDate: 03/09/11
Prep Date:	2/24/2011	Concentration: 25 ppb	Checked: Yes
Expiration Date:	2/24/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109065	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-101034

Prepared By: Berls, Sean R.
Department: Metals
ApprovedBy: gael
Description: 5% Potassium Persulfate
BatchNumber:
ApproveDate: 12/01/10
Prep Date: 11/9/2010
Concentration: reagent
Checked: Yes
Expiration Date: 2/8/2011
Final Volume: 10 l

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Department: Metals
ApprovedBy: AUTO
Description: ICS 1 INTERMEDIATE
BatchNumber:
ApproveDate: 01/08/11
Prep Date: 12/16/2010
Concentration: various mg/l
Checked: Yes
Expiration Date: 3/15/2011
Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Department: Metals
ApprovedBy: AUTO
Description: ICS1 Lowest std
BatchNumber:
ApproveDate: 01/08/11
Prep Date: 12/16/2010
Concentration: various mg/l
Checked: Yes
Expiration Date: 3/15/2011
Final Volume: 1000 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5365	hidrochloric acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105162

Prepared By: Aliano, Carmela
Department: Metals
ApprovedBy: shiamala
Description: Hydroxylamine Hydrochloride
BatchNumber:
ApproveDate: 01/21/11
Prep Date: 1/4/2011
Concentration: reagent
Checked: Yes
Expiration Date: 1/13/2011
Final Volume: 10 l

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106426

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-106427

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107289

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107290

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5481	Hidrochloric acid	50 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107292

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-107507

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 2/3/2011
Expiration Date: 8/3/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: shiamala
ApproveDate: 02/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5481	Hydrochloric acid	1000 ml	neat neat	

Veritech Lot Number: V-108388

Prepared By: Perez-Capellan, Joelly
Description: 5% Potassium Permanganate
Prep Date: 2/14/2011
Expiration Date: 8/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 9.5 l
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108505

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5594	Hydrochloric Acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	

Veritech Lot Number: V-108509

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5594	Hydrochloric Acid	50 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108511

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-109066

Prepared By: Perez-Capellan, Joelly
Description: Hg intermediate Control
Prep Date: 2/24/2011
Expiration Date: 2/24/2011
Department: Metals
BatchNumber: B-9731
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: shiamala
ApproveDate: 03/05/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-109185

Prepared By: Aliano, Carmela
Description: SnCl2
Prep Date: 2/25/2011
Expiration Date: 2/25/2011
Department: Metals
BatchNumber: B-9738
Concentration: 1.1% SnCl2 in
Final Volume: 1000 ml
ApprovedBy: shiamala
ApproveDate: 03/02/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-109186	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-109186

Prepared By: Aliano, Carmela
Description: 3% HCL
Prep Date: 2/25/2011
Expiration Date: 2/25/2011
Department: Metals
BatchNumber: B-9738
Concentration: reagent reage
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/02/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5365	hydrochloric acid	300 ml	neat neat	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description: DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 11/25/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description: POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description: Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description: Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description: Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description: Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description: Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description: Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4862

Description: Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description: Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description: ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description: ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description: ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description: Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5202

Description	ApprovedBy: gael ApproveDate: 12/01/10 Checked: Yes
Potassium Persulfate	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5247

Description	ApprovedBy: gael ApproveDate: 09/29/10 Checked: Yes
ICSA	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description	ApprovedBy: gael ApproveDate: 11/12/10 Checked: Yes
icsab	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description	ApprovedBy: melissa ApproveDate: 01/06/11 Checked: Yes
hydrochloric acid	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description	ApprovedBy: shiamala ApproveDate: 12/22/10 Checked: Yes
ICV1	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description	ApprovedBy: shiamala ApproveDate: 12/22/10 Checked: Yes
ICV2	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5403

Description	ApprovedBy: melissa ApproveDate: 01/06/11 Checked: Yes
ICSA	

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5404

Description: ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description: ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Control/Receipt Number: 5481

Description: Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description: Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description: Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Control/Receipt Number: 5594

Description: Hydrochloric Acid

ApprovedBy: melissa
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110060	02/07/11	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	50 ml	neat neat	
5365	hidrochloric acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105162

Prepared By: Aliano, Carmela
Description: Hydroxylamine Hydrochloride
Prep Date: 1/4/2011
Expiration Date: 1/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 01/21/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4927	Sodium Chloride	1200 g	neat neat	
5062	Hydroxylamine Hydrochloride	1200 g	neat neat	

Veritech Lot Number: V-105295

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 1/5/2011
Expiration Date: 5/18/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: melissa
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5394	Hydrochloric Acid	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106426

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Lot Number: V-106427

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107289

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	

Veritech Lot Number: V-107290

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107292

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Lot Number: V-108388

Prepared By: Perez-Capellan, Joelly
Description: 5% Potassium Permanganate
Prep Date: 2/14/2011
Expiration Date: 8/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 9.5 l
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108505

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5594	Hydrochloric Acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	

Veritech Lot Number: V-108509

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5594	Hydrochloric Acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5401	ICV1	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108511

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-109597

Prepared By: Aliano, Carmela
Description: 5% Potassium Persulfate
Prep Date: 3/2/2011
Expiration Date: 9/2/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Lot Number: V-109721

Prepared By: Aliano, Carmela
Description: SnCl2
Prep Date: 3/3/2011
Expiration Date: 3/3/2011
Department: Metals
BatchNumber: B-9786
Concentration: 1.1% SnCl2 in
Final Volume: 1000 ml
ApprovedBy: shiamala
ApproveDate: 03/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-109722	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-109722

Prepared By: Aliano, Carmela
Description: 3% HCL
Prep Date: 3/3/2011
Expiration Date: 3/3/2011
Department: Metals
BatchNumber: B-9786
Concentration: reagent reage
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/16/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hydrochloric acid	300 ml	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 03/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4927

Description
Sodium Chloride

ApprovedBy: richq
ApproveDate: 05/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	S271-10	096144	05/07/10	05/06/12	Quimby, Richard	2	10KG	neat	neat

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5062

Description
Hydroxylamine Hydrochloride

ApprovedBy: gael
ApproveDate: 07/28/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CCI	2725NG	200916837	07/14/10	07/13/13	Miller,Gael E.	2	2.5kg	neat	neat

Veritech Control/Receipt Number: 5202

Description
Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5247

Description
ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description
icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5365

Description
hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5394

Description
Hydrochloric Acid

ApprovedBy: gael
ApproveDate: 11/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	11/04/10	03/30/13	Okomeng, Maxwel	12	2.5LT	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5403

Description
ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5404

Description
ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description
ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Control/Receipt Number: 5481

Description
Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Control/Receipt Number: 5594

Description
Hydrochloric Acid

ApprovedBy: melissa
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110060	02/07/11	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109947

Prepared By: Soules, John
Description: Hg Intermediate Standard
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9806
Concentration: .25 ppm
Final Volume: 500 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	12.5 ml	neat neat	
4819	Mercury	.125 ml	1000 mg/l	

Veritech Lot Number: V-109948

Prepared By: Soules, John
Description: Hg intermediate Control
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9806
Concentration: 1.0 ppm
Final Volume: 100 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	2.5 ml	neat neat	
4862	Mercury ICP Standard	.1 ml	1000 ug/ml	

Veritech Lot Number: V-109949

Prepared By: Soules, John
Description: Hg AQ ICV 20 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 20 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109948	Hg intermediate Control	.5 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109950

Prepared By: Soules, John
Description: Hg AQ CCV 10 ppb
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 10 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109948	Hg intermediate Control	.25 ml	1.0 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109951

Prepared By: Soules, John
Description: Hg AQ standard blk
Prep Date: 3/7/2011
Expiration Date: 3/7/2011
Department: Metals
BatchNumber: B-9807
Concentration: 0 ppb
Final Volume: 25 ml
ApprovedBy: shiamala
ApproveDate: 03/23/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109952

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard .2 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: .2 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.02 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109953

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard .5 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: .5 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-109947	Hg Intermediate Standard	.05 ml	.25 ppm	

Veritech Lot Number: V-109954

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 1 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 1 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109955

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 2 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 2 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.2 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109956

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 5 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 5 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Lot Number: V-109957

Prepared By: Soules, John | Department: Metals | ApprovedBy: shiamala
Description: Hg AQ standard 10 ppb | BatchNumber: B-9807 | ApproveDate: 03/23/11
Prep Date: 3/7/2011 | Concentration: 10 ppb | Checked: Yes
Expiration Date: 3/7/2011 | Final Volume: 25 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	1 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-109958

Prepared By:	Soules, John	Department: Metals	ApprovedBy: shiamala
Description:	Hg AQ standard 25 ppb	BatchNumber: B-9807	ApproveDate: 03/23/11
Prep Date:	3/7/2011	Concentration: 25 ppb	Checked: Yes
Expiration Date:	3/7/2011	Final Volume: 25 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-109947	Hg Intermediate Standard	2.5 ml	.25 ppm	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 03/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4819

Description
Mercury

ApprovedBy: gael
ApproveDate: 07/27/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX Certiprep	PLHG4-2Y	16-18HG	04/13/10	04/15/11	Kiryanov, Alex	1	125 m	1000	mg/L

Veritech Control/Receipt Number: 4862

Description
Mercury Standard

ApprovedBy: shiamala
ApproveDate: 12/03/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	HGP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4835

Description
Lead ICP Standard

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4838

Description
Barium ICP Solution

ApprovedBy: gael
ApproveDate: 05/26/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BAP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 5359

Description
sulfuric acid

ApprovedBy: shiamala
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3109031	10/20/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-104181

Prepared By: Kalin, Gabrielle
Description: ICS 1 INTERMEDIATE
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 100 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5482	Nitric Acid	5 ml	neat neat	
4846	Arsenic ICP Standard	.5 ml	1000 ug/ml	5 mg/l
4843	Beryllium ICP Solution	.3 ml	1000 ug/ml	3 mg/l
4848	Cadmium	.3 ml	1000 ug/ml	3 mg/l
4840	Lead ICP Solution	.4 ml	1000 ug/ml	4 mg/l
4858	Thallium ICP Standard	.5 ml	1000 ug/ml	5 mg/l

Veritech Lot Number: V-104185

Prepared By: Kalin, Gabrielle
Description: ICS1 Lowest std
Prep Date: 12/16/2010
Expiration Date: 3/15/2011
Department: Metals
BatchNumber:
Concentration: various mg/l
Final Volume: 1000 ml
ApprovedBy: AUTO
ApproveDate: 01/08/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5365	hidrochloric acid	50 ml	neat neat	
5482	Nitric Acid	50 ml	neat neat	
V-104181	ICS 1 INTERMEDIATE	1 ml	various mg/l	

Veritech Lot Number: V-105295

Prepared By: Aliano, Carmela
Description: 1:1 HCl
Prep Date: 1/5/2011
Expiration Date: 5/18/2011
Department: Metals
BatchNumber:
Concentration: Reagent
Final Volume: 2000 ml
ApprovedBy: melissa
ApproveDate: 02/03/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	1000 ml		
5394	Hydrochloric Acid	1000 ml	neat neat	

Veritech Lot Number: V-106426

Prepared By: Kalin, Gabrielle
Description: ICS2- Low Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5481	Hidrochloric acid	25 ml	neat neat	
4950	ICSA	.05 ml	neat neat	
4951	ICSB	.05 ml	NEAT neat	
4952	ICSC	.05 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-106427

Prepared By: Kalin, Gabrielle
Description: ICS3 - Middle Std
Prep Date: 1/19/2011
Expiration Date: 4/18/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 01/27/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	
4950	ICSA	5 ml	neat neat	
4951	ICSB	5 ml	NEAT neat	
4952	ICSC	5 ml	NEAT neat	

Veritech Lot Number: V-107289

Prepared By: Kalin, Gabrielle
Description: ICSA
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI mg/l
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	50 ml	neat neat	
5540	Nitric Acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Lot Number: V-107290

Prepared By: Kalin, Gabrielle
Description: ICSAB
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5364	icsab	10 ml	NEAT neat	
5540	Nitric Acid	50 ml	neat neat	
5481	Hidrochloric acid	50 ml	neat neat	
5247	ICSA	50 ml	NEAT neat	

Veritech Lot Number: V-107292

Prepared By: Kalin, Gabrielle
Description: ICV
Prep Date: 1/31/2011
Expiration Date: 4/30/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/18/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5481	Hidrochloric acid	25 ml	neat neat	
5540	Nitric Acid	25 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	
5402	ICV2	10 ml	50 mg/l	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-108388

Prepared By: Perez-Capellan, Joelly
Description: 5% Potassium Permanganate
Prep Date: 2/14/2011
Expiration Date: 8/13/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 9.5 l
ApprovedBy: melissa
ApproveDate: 02/22/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
4429	POTASSIUM PERMANGANATE	475 g	NEAT neat	

Veritech Lot Number: V-108505

Prepared By: Kalin, Gabrielle
Description: ICB/CCB
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: 0 mg/l
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	

Veritech Lot Number: V-108509

Prepared By: Kalin, Gabrielle
Description: CCV
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 1000 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	50 ml	neat neat	
5402	ICV2	10 ml	50 mg/l	
5594	Hydrochloric Acid	50 ml	neat neat	
5401	ICV1	10 ml	NEAT neat	

Veritech Lot Number: V-108511

Prepared By: Kalin, Gabrielle
Description: ICS4 - High std
Prep Date: 2/15/2011
Expiration Date: 5/14/2011
Department: Metals
BatchNumber:
Concentration: MULTI multi
Final Volume: 500 ml
ApprovedBy: melissa
ApproveDate: 02/25/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5540	Nitric Acid	25 ml	neat neat	
5594	Hydrochloric Acid	25 ml	neat neat	
5403	ICSA	5 ml	NEAT neat	
5404	ICSB	5 ml	10000 mg/l	
5405	ICSC	5 ml	100 mg/l	

Veritech Lot Number: V-109597

Prepared By: Aliano, Carmela
Description: 5% Potassium Persulfate
Prep Date: 3/2/2011
Expiration Date: 9/2/2011
Department: Metals
BatchNumber:
Concentration: reagent
Final Volume: 10 l
ApprovedBy: shiamala
ApproveDate: 03/14/11
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
5202	Potassium Persulfate	500 g	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-110100

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: shiamala
Description:	SnCl2	BatchNumber: B-9818	ApproveDate: 03/14/11
Prep Date:	3/9/2011	Concentration: 1.1% SnCl2 in	Checked: Yes
Expiration Date:	3/9/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4805	Tin (II) Chloride Dihydrate	13.2 g	NEAT neat	
V-110101	3% HCL	1000 ml	reagent reag	

Veritech Lot Number: V-110101

Prepared By:	Aliano, Carmela	Department: Metals	ApprovedBy: shiamala
Description:	3% HCL	BatchNumber: B-9818	ApproveDate: 03/14/11
Prep Date:	3/9/2011	Concentration: reagent reage	Checked: Yes
Expiration Date:	3/9/2011	Final Volume: 10 l	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
5365	hydrochloric acid	300 ml	neat neat	
1014	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1014

Description
DI water (fill to volume)

ApprovedBy: shiamala
ApproveDate: 03/15/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

Veritech Control/Receipt Number: 4429

Description
POTASSIUM PERMANGANATE

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	091544	09/29/09	09/30/12	Miller,Gael E.	1	2.5K	NEAT	NEAT

Veritech Control/Receipt Number: 4805

Description
Tin (II) Chloride Dihydrate

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	T142-3	086821	04/13/10	04/12/13	Kiryanov, Alex	2	3 kg	NEAT	NEAT

Veritech Control/Receipt Number: 4840

Description
Lead ICP Solution

ApprovedBy: gael
ApproveDate: 09/13/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	PBP1-1-1	N	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4843

Description
Beryllium ICP Solution

ApprovedBy: gael
ApproveDate: 08/10/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	BEP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4846

Description
Arsenic ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	ASP1-1-1	M	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4848

Description
Cadmium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	CDP1-1-1	J	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4858

Description
Thallium ICP Standard

ApprovedBy: gael
ApproveDate: 06/18/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Laboratories	TLP1-1-1	K	04/19/10	04/18/11	Kiryanov, Alex	1	100 m	1000	ug/mL

Veritech Control/Receipt Number: 4950

Description
ICSA

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500 m	neat	neat

Veritech Control/Receipt Number: 4951

Description
ICSB

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 4952

Description
ICSC

ApprovedBy: gael
ApproveDate: 06/19/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10E126	05/27/10	05/26/11	Balashanthan, Shi	1	500ml	NEAT	NEAT

Veritech Control/Receipt Number: 5202

Description
Potassium Persulfate

ApprovedBy: gael
ApproveDate: 12/01/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	092677	08/27/10	08/26/13	Miller,Gael E.	2	500g	neat	neat

Veritech Control/Receipt Number: 5247

Description
ICSA

ApprovedBy: gael
ApproveDate: 09/29/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#1-XXX	1016268	09/13/10	09/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5364

Description
icsab

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
vhg labs	ZHAMPTON#2	1017299	10/21/10	10/30/11	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5365

Description
hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	10/21/10	03/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5394

Description
Hydrochloric Acid

ApprovedBy: gael
ApproveDate: 11/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110020	11/04/10	03/30/13	Okomeng, Maxwel	12	2.5LT	neat	neat

Veritech Control/Receipt Number: 5401

Description
ICV1

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-7	26-29JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5402

Description
ICV2

ApprovedBy: shiamala
ApproveDate: 12/22/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SPEX	XHCV-8	26-28JB	11/08/10	10/29/11	Miller,Gael E.	4	500M	50	MG/L

Veritech Control/Receipt Number: 5403

Description
ICSA

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	NEAT	NEAT

Veritech Control/Receipt Number: 5404

Description
ICSB

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	10000	MG/L

Veritech Control/Receipt Number: 5405

Description
ICSC

ApprovedBy: melissa
ApproveDate: 01/06/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-070604JC01	10J134	11/08/10	04/21/12	Miller,Gael E.	2	500M	100	MG/L

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 5481

Description
Hydrochloric acid

ApprovedBy: melissa
ApproveDate: 01/13/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4110040	12/02/10	05/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5482

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 12/15/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	12/02/10	06/30/13	Lopez, Jose	12	2.5L	neat	neat

Veritech Control/Receipt Number: 5540

Description
Nitric Acid

ApprovedBy: melissa
ApproveDate: 02/01/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK212	1110060	01/11/11	06/20/13	Lopez, Jose	18	2.5L	neat	neat

Veritech Control/Receipt Number: 5594

Description
Hydrochloric Acid

ApprovedBy: melissa
ApproveDate: 02/10/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4110060	02/07/11	06/30/13	Lopez, Jose	12	2.5L	neat	neat

SPLP
Metal Data
Digestion Logbook Data

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 02/10/2011 **Finish Date:** 2/11/11

**TCLP Ext. Fluid #1 pH: 4.91 (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: D.I. 4.57 (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

	Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC	57100-001	—	—	11.15	D.I.	2L	10:00	10:00	cya/JS	SP	
AC	57098-001	—	—	10.76	↓	↓	↓	↓	↓	↓	
	DI-blank	4.57	—	5.44	↓	↓	↓	↓	↓	↓	
	57214-003	5.75	1.78	4.88	EF-1 107674	400g/2L	1600	1000	JS	T	
	EF-1-107674	—		4.88	↓	2L	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 2/14/10 Finish Date: 2/15/11

DI = 6.92

**TCLP Ext. Fluid #1 pH: _____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**TCLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
AC57198-001	11.52	1.79	11.58	EF-1 107074	150g/3L	14:00	0800	JC	T	organics and metals
AC57236-010	6.65	2.01	4.91	↓	100g/2L	↓	↓	↓	↓	organics
AC5720-001	6.74	—	5.15	SPLP Fluid 100794	↓	↓	↓	↓	P	↓
AC57141-001	5.85	—	6.41	↓	↓	↓	↓	↓	↓	↓
SPLP Fluid 100794	~~5.84~~ 5.84 DI 5.87	4.15	5.08	—	↓	↓	↓	↓	↓	↓
57098-005	—	—	10.37	~~DI~~	1 man /2L	1130		JS	P	
57100-005	—	—	10.72	↓	↓	↓	↓	↓	↓	
DI Blank	—	—	6.33	↓	2L	↓	↓	↓	↓	
EF-1 107074	4.88	—	4.88	—	3L	14:00	↓	JC	T	organics and metals

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke/Veritech

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 2/9/11 (~~2/9/20~~) Finish Date: 2/20/11

DI 7.27

**TCLP Ext. Fluid #1 pH: _____ (criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: _____ (criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst (s)	Ext. Type*	Comments
JPC 2/14/11 57098-010	—		10:26	DI Blank 2/20	1 man / 2000 ml	~~12:25~~	~~12:45~~	gPC	P	
DI 2/~~57098-011~~ 57100-011	—		10.30	↓	↓	↓	↓	↓	↓	
DI Blank	—		8.16	↓	2000 ml	↓	↓	↓	↓	

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

LEACHATE PREPARATION LOG
(TCLP, SPLP)

DI. 7.04
TCLP EF-1=4.97

Start Date: 2/24/11 Finish Date: 2/25/11

**TCLP Ext. Fluid #1 pH:	(criteria: 4.93 ± 0.5)
**TCLP Ext. Fluid #2 pH:	(criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH:	(criteria: 4.20 ± 0.5)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Analyst(s)	Ext. Type*	Comments
AC57396-0001	8.82	—	9.91	SPLP Fluid 109139	100g/2L	16:00	~~16:00~~ DI 10:00	JC 2/24/11	P	Organics only
AC57396-0002	7.51	—	7.95	↓	↓	↓	10:00	↓	↓	↓
SPLP Fluid 109139	4.02	—	9.84	↓	↓	↓	↓	↓	↓	↓
AC57379-001	8.18	1.77	4.94	EF-1 108537	↓	↓	↓	↓	T	Metals only
EF-1 108537	4.97	—	4.91	↓	~~1000g~~ 1 mL 1000	↓	↓	↓	↓	↓
57098-015	——	——	10:30	DI BLK 2/25/11	~~1000g~~ 1 mL 1000	1330	13:40	JS	P	
57100-016	——	——	10.67	↓	1000 / 2000 mL	↓	↓	↓	↓	
DI BLANK	——	——	5.50	↓	2000 mL	↓	JC 2/24/11	↓	↓	
AC57359-002	8.32	—JC	9.94	SPLP Fluid 109139	100g/2L	16:00	~~10:00~~	~~JC~~ JC 2/24/11	P	Organics only
AC57330-003	12.21	~~8.10~~	2/24/11 6.02	EF-2 109145	↓	↓	10:00	↓	T	Metals and Organics
EF-2 109145	4.84	—	2.99	↓	2L	↓	↓	↓	T	↓

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 OTHER_____

Batch No.: 12319 Analyst: JS

QC Number: 3328 Prep Date: 2/15/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50 mL	50 mL				--	
LCS	↓	↓				--	
LCSD						--	
1. 57098-001					DI Blank 2/11/11	57098-001 SPK spike	
MR 57098-001					↓		
MS 57098-001					↓	↓	
MSD							
2. 57098-005	50 mL	50 mL			DI Blank 2/11/11	57098-001 SPK spike	
3. 57100-001	↓	↓			DI Blank 2/15/11		
4. 57100-006					↓		
5. DI Blank 2/11					DI Blank 2/15		
6. DI Blank 2/15	↓	↓				↓	
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 93.4 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5	V- 5401, V-5402 (TM 2/15)
LLLCS, LLLCSD		V-
MS, MSD	.5	V- 5401, V-5402
~~LLMS, LLMSD~~ MS/MSD	.225	V- 4835, V-4838 (TM 2/15)

Acid	Vol mL	Lot#
HNO_3	3.0	V- 5510
HCl		V- ~~5494~~ 5511 (TM 2/15)
H_2O_2		V- ~~5559~~ 5559 (TM 2/15)
~~1:1 HNO_3~~		~~V- 5507~~ (TM 2/15)

Acid	Vol mL	Lot#
1:1 HNO_3	5 mL	~~V- 5507~~ V-107507 (TM 2/15)
1:1 HCl	5 mL	V-107507

Relinquished By: [signature] Date: 2/15/11 (TM 2/15)

Received By: [signature] Date: 2/15/11

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 OTHER_____

Batch No.: 12334 Analyst: JS

QC Number: 3350 Prep Date: 2/22/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50ml	50ml			DI Blk 2/20/11	--	
LCS	↓	↓			↓	--	
LCSD	↓	↓			↓	--	
1. 57098-010	↓	↓			↓	57098-010 SPSK	
MR 57098-010	↓	↓			↓	↓	
MS 57098-010	↓	↓			↓	↓	
MSD	↓	↓			↓	↓	
2. 57100-011	50ml	50ml			DI Blk 2/20/11	57098-010 SD SPSK	
3. DI Blank 2/20/11	↓	↓			↓	↓	
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 93.4 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5ml	V-5401, V-5402
LLLCS, LLLCSD		V-
MS, MSD	.5ml	V-5401, V-5402
LLMS, LLMSD	.225ml	V-4835, V-4837

Acid	Vol mL	Lot#
HNO_3	3.0	V-5540
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3		V-
1:1 HCl	5.0	V- 107507

Relinquished By_____ Date 2/22/11

Received By_____ Date 2/22/11

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: (3010A) 3005A 3050B (6020) 200.2 **OTHER**_____

Batch No.: 12358 (Reset) Analyst: JS

QC Number: 3382 Prep Date: 3/3/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50 ml	50 ml			DI Blk 3/25	--	
LCS	↓	↓			↓	--	
LCSD						--	
1. S7098-015						S7098-015 SPLP	
MR S7098-015						↓	
MS S7098-015							
MSD					↓		
2. S7100-016	50 ml	50 ml			DI Blk 3/25	S7080K5 SPLP	
3. DI Blank 3/25	↓	↓			↓	↓	
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 92.8 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5	V- 5401, V-5402
LLLCS, LLLCSD		V-
MS, MSD	.5 ml	V- 5401, V-5402
~~LLMS, LLMSD~~	.225 ml	V- 4835, V-4838

Acid	Vol mL	Lot#
HNO_3	3	V- 5540
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3		V-
1:1 HCl	5	V- 105275

Relinquished By_____ Date 3/3/11

Received By_____ Date 3/3/11

Hampton-Clarke/Veritech

ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 3010A 3005A 3050B (6020) 200.2 OTHER_____

Batch No.: 12376 Analyst: JS

QC Number: 3400 Prep Date: 3/7/11

Matrix: SPLP Reviewed By: SB

LAB ID#	ICP		ICP-MS (Secondary dil)		TCLP		COMMENTS
	Initial	Final	Aliquot	Final	Eff	TCLP	
Method blank	50 ml	50 ml				--	
LCS	↓	↓				--	
LCSD						--	
1. 57098,020					DI H2O	57098.020	
MR 57098-020					↓	↓	
MS 57098-020							
MSD							
2. 57100-021	50 ml	50 ml			DI H2O	57098 020	
3. DI Blank 3/	↓	↓			↓		
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

Hot Plate Temperature: 94 C (90-95° C)

	Volume mL	Lot #
LCS, LCSD	.5 ml	V- 5401, 5402
LLCS, LLLCSD		V-
MS, MSD	.5 ml	V- 5401, 5402
LLMS, LLMSD	.25	V- 5435, 5436

Acid	Vol mL	Lot#
HNO_3	3 ml	V-5540
HCl		V-
H_2O_2		V-

Acid	Vol mL	Lot#
1:1 HNO_3	3 ml	V-
1:1 HCl	.5 ml	V- 105295

Relinquished By_____ Date 3/7/11

Received By_____ Date 3/7/11

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12319 Analyst: JS

QC Number: 3328 Prep Date: 2/15/11 2/16/11

Matrix: SPG Review By: CM.

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25ml	25ml	
LCS			
LCSD			
1 57098-001			
MR 57098-001			
MS 57098-001			SPK.
MSD			
2 57098-005	25ml	25ml	
3 57100-001			
4 57100-006			
5 DI Blank 2/15/11			
6 DI Blank 2/15/11			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108383	HNO_3	.625ml	V- 5540
$K_2S_2O_8$: V- 101634	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25ml	V- 5359
	Aqua Regia		V-

**Block Temp.:	93.1 ° C
Time In Block:	1330
Time Out of Block:	1530
** Required range = 90-95 ° C	

Spike Volume & Lot #

☐ LCS V- 108483 0.15g / 0.25 ml

☐ MS V- 108483 0.250 ml

☐ Standards/Control Batch B- ~~9509~~ 9691 CB 3/7/11

Relinquished By:

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

0830

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12334 (Reset) Analyst: JS

QC Number: 3350 Prep Date: 2/24/11

Matrix: SPLP Review By: GR

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	250 ml	250 ml	
LCS	↓	↓	
LCSD	↓	↓	
1 S7098-010	↓	↓	
MR S7098-010	↓	↓	
MS S7098-010	↓	↓	
MSD ~~S7098-010~~ 2pts			
2 S7100-011	250 ml	250 ml	
3 DI Blank above	↓	↓	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108388	HNO_3	.625	V- 5540
$K_2S_2O_8$: V- 101034	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25	V- 5359
	Aqua Regia	NA 2pts	V-

**Block Temp. :	93.2 ° C
Time In Block:	1330
Time Out of Block:	1530
** Required range = 90-95 ° C	

Spike Volume & Lot #

☐ LCS V- 109066 0.15g / 0.25 ml

☐ MS V- 109066 0.250 ml

☐ Standards/Control Batch B- 9739

Relinquished By:

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12358 (reset) Analyst: JS

QC Number: 3382 Prep Date: 3/3/11

Matrix: SPLP Review By: CJ

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25 ml	25 ml	
LCS	↓	↓	
LCSD	↓	↓	
1 57098-015	↓	↓	
MR 57098-015	↓	↓	
MS 57098-015	↓	↓	Spk.
MSD			
2 ~~57098~~ 57100-016	25 ml	25 ml	
3 DI Blank 2/25	↓	↓	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108388	HNO_3	.625	V- 5540
$K_2S_2O_8$: V- 109597	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25	V- 5359
	Aqua Regia		V-

**Block Temp. :	93.4 ° C
Time In Block:	1230
Time Out of Block:	1430
** Required range = 90-95 ° C	

Spike Volume & Lot #

☐ LCS V- 109752 0.15g / 0.25 ml

☐ MS V- 109752 0.250 ml

☐ Standards/Control Batch B- 9790

Relinquished By: [signature]

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: 245.1 (7470A) 7471A **OTHER**_____

Batch No.:* 12376 Analyst: JS

QC Number: 3400 Prep Date: 3/7/11

Matrix: Soil Review By: CJA

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25 ml	25 ml	
LCS	↓	↓	
LCSD	↓	↓	
1 57098-020	↓	↓	
MR 57098-020	↓	↓	
MS 57098-020	↓	↓	
MSD			
2 57100-021	25 ml	25 ml	
3 DI Blank 3/2	↓	↓	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Lot Numbers	Acid	Volume (mL)	Lot #
$KmnO_4$: V- 108388	HNO_3	1.25 ml	V- SS 40
$K_2S_2O_8$: V- ~~109537~~	HCl		V-
NH_2OH: V- 105162	H_2SO_4	1.25ml	V- 5359
CB 3/10/11 ↓ 109597	Aqua Regia		V-

**Block Temp.: 93.5 ° C
Time In Block: 1230
Time Out of Block: 1430
** Required range = 90-95 ° C

Spike Volume & Lot #

☐ LCS V- 109948 0.15g / 0.25 ml

☐ MS V- 109948 0.250 ml

☐ Standards/Control Batch B- ~~9797~~ 9807 JS 3/7

Relinquished By:

*25 mLs of each standard was digested with this batch using the same reagents and at the same time as the above samples. The preparation of each standard may be referenced in Veriprog using the standard batch number and the corresponding V #s.

Wet Chemistry Data

Wet Chemistry Data
Sample Results

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC57100-002
Matrix Aqueous
Client SampleID: PW

Project Number: 1020306
Received Date: 2/3/2011
Collect Date: 2/2/2011

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
pH	PH-WATER-MUR	1	7.2	Ph			02/08/11
Total Dissolved Solids @ 180 C	TDS-MUR	1	47	mg/l	10	02/08/11	02/08/11

Wet Chemistry Data
QC Data

Analysis Type: TDS

Batch Number: TDS-287 **Units:** mg/l

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC57100-002	0	NA	5	46	NA	2.2	
LCS	LCS	300	75-125	NA	301	100	NA	
LCSD	LCSD	300	75-125	5	305	102	1.3	

Analytical Method(s)

SM2540C-97

Sam #	Type	MB	Result	RL	Per Sol	Full Result	Tare Wt (g)	Fin Wt (g)	Sam Vol	Prep Date	Prep By	Anal Date	Anal By
MB-1-02/08/11	MB	MB-1-02/08/11	ND	10	100	2	79.8747	79.8749	100	02/08/11	jar	02/08/11	jar
LCS	LCS	MB-1-02/08/11	300	10	100	301	74.3744	74.4045	100	02/08/11	jar	02/08/11	jar
LCSD	LCSD	MB-1-02/08/11	300	10	100	305	73.1960	73.2265	100	02/08/11	jar	02/08/11	jar
AC57100-002	DUP	MB-1-02/08/11	46	10	100	46	74.6359	74.6405	100	02/08/11	jar	02/08/11	jar
AC57100-002	Sample	MB-1-02/08/11	47	10	100	47	70.4689	70.4736	100	02/08/11	jar	02/08/11	jar
AC57160-011	Sample	MB-1-02/08/11	ND	10	100	6	65.4027	65.4033	100	02/08/11	jar	02/08/11	JAR

JA 12
2/9/11

2-10-11

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.
Na - Not Applicable Nc - Not Checked ..either one or both values =ND

Analysis Type: PH-W

Batch Number: PH-W-191 **Units:** Ph

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC57100-002	0	NA	20	7.14	NA	0.28	
LCS	LCS	4.4	75-125	NA	4.31	98	NA	

Analytical Method(s)

SM4500-H+B00

Sam #	Type	MB	Result	RL	Per Sol	Full Result	PH	Prep Date	Prep By	Anal Date	Anal By
AC57100-002	DUP		7.1		100	7.14	7.14			02/08/11	JB
AC57100-002	Sample		7.2		100	7.16	7.16			02/08/11	JB
LCS	LCS		4.3		100	4.31	4.31			02/08/11	JB

JB

2-8-11

MD 3/20/11

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.
Na - Not Applicable Nc - Not Checked ..either one or both values =ND

Wet Chemistry Data
Raw Data

Hampton-Clarke/Veritech

pH CALIBRATION RECORD

pH Meter: Orion 3 Star

Serial # B16004 ~~010~~ SN 16004

Date	Calibration Initials / Time	Calibrate Buffer 1	Calibrate Buffer 2	Read pH 7.0 Buffer (SDL 1/11/11)	Checks Initials / Time	Checks Read pH 7.0 Buffer	Checks Initials / Time	Checks Read pH 7.0 Buffer	Buffer Lot # pH 4.0	Buffer Lot # pH 10.0	Buffer Lot # pH 7.0
1/10/11	10:30 JM	4.0	10.0	7.01					5418	5420	5419
1/11/11	SDL 8:25	4.0	10.0	7.02					5418	5420	5419
1/12/11	SDL 10:00	4.0	10.0	7.02					5418	5420	5250
1/13/11	SDL 8:45	4.0	10.0	7.00					5418	5420	5250
1/14/11	8:40 J.R.	4.0	10.0	7.02					5418	5420	5250
1/16/11	13:30	4.0	10.0	7.01					5418	5420	4430
1/17/11	SDL 8:30	4.0	10.0	7.03					5418	5420	5250
1/18/11	10:10 JM	4.0	10.0	7.03	BCJ 15:30	7.01			5418	5420	4430
1/19/11	8:35 JM	4.0	10.0	7.03					5418	5420	4430
1/20/11	9:00 JM	4.0	10.0	7.06					5418	5420	4430
1/21/11	10:30 J.R.	4.0	10.0	7.01					5418	5420	4430
1/24/11	SDL 8:20	4.0	10.0	7.02					5418	5420	5250
1/25/11	8:50 J.R.	4.0	10.0	7.00					5418	5420	5250
1/26/11	9:00 JM	4.0	10.0	7.01					5418	5420	4430
1/27/11	SDL 16:45	4.0	10.0	7.02					5418	5420	5250
1/28/11	8:45 JM	4.0	10.0	7.02					5418	5420	4430
1/31/11	8:20 JB	4.0	10.0	7.01					5418	5420	5250
2/1/11	8:20 JB	4.0	10.0	7.05					5418	5420	5250
2/1/11	15:30 JB	4.0	10.0	7.05					5418	5420	5250
2/2/11	8:50 JB	4.0	10.0	7.03	14:00 JB	7.01	SDL 17:15	7.03	5418	5420	5250
2/3/11	8:35 JB	4.0	10.0	7.05					5418	5420	5250
2/4/11	8:30 JM	4.0	10.0	7.04	DCM 13:30	7.04			5418	5420	5250
2/7/11	8:30 JB	4.0	10.0	7.06					5418	5420	5250
2/8/11	8:05 JB	4.0	10.0	7.05					5418	5420	5250

Calibrate using pH 4.0 and pH 10.0/Read and record pH 7.0

When using the pH meter more for analysis and more than 3 hours has passed calibration, read and record pH 7.0

If pH 7.0 is off by ± 0.2 units, re-calibrate using the pH 4.0 and pH 10.0 buffers.

Hampton-Clarke/Veritech

pH DATA SHEET (Aqueous)
SM4500-H+ B-00 / 9040B

BATCH # 191

Veritech Sample No.	pH	Date	Time	Analyst	Meter Number
DUP ACS7100-002	7.14	2-8-11	10:00	JB	16004
1 ACS7100-002	7.16	2-8-11	10:00	JB	16004
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

JB 2-14-11

LCS (4.2 – 4.6 units)

LCS #	LOT #	pH (units)	Date	Time	Analyst
LCS-1	V- 107182	4.31	2-8-11	10:00	JB
LCS-2	V-				
LCS-3	V-				
LCS-4	V-				
LCS-5	V-				
LCS-6	V-				
LCS-7	V-				

JB 2-14-11

Reviewed By: MD Date: 3/20/11

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107182

Prepared By:	Trivedi, Beena	Department: WetChem	ApprovedBy: melissa
Description:	KHP LCS	BatchNumber:	ApproveDate: 02/01/11
Prep Date:	1/31/2011	Concentration: 300 ppm	Checked: Yes
Expiration Date:	7/30/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4301	Potassium Hydrogen Phthalate	300 mg	neat neat	
1016	DI water (fill to volume)			

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-107526

Prepared By: Rivera, Jasmin	Department: WetChem	ApprovedBy: melissa
Description: KHP LCS	BatchNumber:	ApproveDate: 02/14/11
Prep Date: 2/1/2011	Concentration: 300 ppm	Checked: Yes
Expiration Date: 2/1/2011	Final Volume: 1000 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4301	Potassium Hydrogen Phthalate	300 mg	neat neat	
1016	DI water (fill to volume)			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1016

Description
DI water (fill to volume)

ApprovedBy: melissa
ApproveDate: 03/16/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	na	na	02/28/05		Smith, Greg	1	0		

Veritech Control/Receipt Number: 4301

Description
Potassium Hydrogen Phthalate

ApprovedBy: greg
ApproveDate: 08/11/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P243-500	090618	08/04/09	08/03/12	Miller,Gael E.	1	500g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4430

Description
PH 7 BUFFER

ApprovedBy: gael
ApproveDate: 10/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
LABCHEM	LC12380-6	9197-19	09/29/09	07/19/11	Miller,Gael E.	2	10L	7.0	S.U.

Veritech Control/Receipt Number: 5250

Description
pH 7.0 Buffer

ApprovedBy: gael
ApproveDate: 11/12/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
LabChem	LC12380-1	0173-08	09/13/10	06/22/12	Miller,Gael E.	6	500 m	7.0	S.U.

Veritech Control/Receipt Number: 5418

Description
ph 4.0 Buffer

ApprovedBy: melissa
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
fisher	lc12280-1	0196-03	11/10/10	07/14/12	Miller,Gael E.	18	500ml	4.0	s.u.

Veritech Control/Receipt Number: 5419

Description
ph 7 buffer

ApprovedBy: melissa
ApproveDate: 01/11/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
fisher	lc12380-1	0210-19	11/10/10	08/01/12	Miller,Gael E.	12	500ml	7.0	s.u.

Veritech Control/Receipt Number: 5420

Description
ph 10 buffer

ApprovedBy: greg
ApproveDate: 01/19/11
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
fisher	lc12510	0215-07	11/10/10	08/08/11	Miller,Gael E.	12	500ml	10	s.u.

Wet Chemistry Data
Preparation and Distillation Logbook Data

0847

TOTAL DISSOLVED SOLIDS DATA SHEET (Sheet 1)
SM2540C

BATCH No.: 287

Lab. Sample #	Sample Vol. (mL)	Dish Wt. (g)	Dish + Initial Residue Wt. (g)	Dish + Final Constant Residue Wt. (g) *	Analysis Date	Time In	Time Out	Analyst Initials	Dish No.
DUP AC57100-002	100	74.6359	74.6405	74.6405	2/8/11	12:20	18:00	JAR	
1 AC57100-002	100	70.4689	70.4736	70.4736	↓	↓	↓	↓	
2 AC57160-011	100	65.4027	65.4033	65.4033	2/8/11	16:30	15:00 2/9/11	JAR	
3									
4									
5									
6									
7		JAR							
8		2/9/11							
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Reviewed By:_____ **Date Reviewed:**_____

* constant weight if weight change is less than 0.5 mg

TOTAL DISSOLVED SOLIDS DATA SHEET(Sheet 2)

SM2540C

BATCH No.: 287

Lab. Sample #	Sample Vol. (mL)	Dish Wt. (g)	Dish + Initial Residue Wt. (g)	Dish + Final Constant Residue Wt. (g) *	Analysis Date	Time In	Time Out	Analyst Initials	Dish No.
MB 1	100	79.8747	79.8750	79.8749	2/8/11	12:20	18:00	SAR	
LCS 1 V-107526	100	74.3744	74.4046	74.4045	↓	↓	↓	↓	
LCSD ↓	100	73.1960	73.2266	73.2265	↓	↓	↓	↓	
MB 2									
LCS 2									
MB 3									
LCS 3									
MB 4									
LCS 4									

SAR 2/9/11

Reviewed By:_____ **Date Reviewed:**_____

T:\QC\FORMS\LOGBOOK FORMS\WET_CHEM\TDS DS 2009.DOC

* constant weight if weight change is less than 0.5 mg

ARCADIS

Geotechnics Laboratory Data Reports

Geotechnics
INTEGRITY IN TESTING

December 20, 2010

Project No. 2010-778-01

Mr. David Liles
Arcadis U.S., Inc.
Durham, NC

Transmittal
Laboratory Test Results
B0043021.0001.00003

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.

Michael P. Smith
Regional Manager

We understand that you have a choice in your laboratory services and we thank you for choosing Geotechnics.

geotechnics
INTEGRITY IN TESTING

COMPRESSIVE STRENGTH OF SOIL CEMENT CYLINDERS

ASTM D-1633

Client: ARCADIS U.S., INC.
Client Project: B0043021.0001.00003
Project No: 2010-778-01

FIELD DATA:

Placement Location:	NA	Cylinder Molded By:	CLIENT
Date Placed:	NA	Supplier:	NA
Time:	NA	Proportions:	NA
Slump, in.:	NA	Cement:	NA
Air Content %:	NA	Water:	NA
Air Temp, °F:	NA	Fine Aggregate:	NA
Material Temp, °F:	NA	Admixture:	NA

TEST RESULTS 2"X4" CYLINDERS

LABORATORY ID NUMBER	SPECIMEN ID	TEST AGE (DAYS)	DATE OF TEST	TOTAL LOAD (lbs)	CYL. AREA ($in.^2$)	CYL. L/D	COMPRESSIVE STRENGTH (PSI)	COMPRESSIVE STRENGTH (PSI) CORRECTED[1]	TYPE OF BREAK
778-01-01	ISSS2	7	12/14/2010	16	3.14	2.000	5	5	NA
778-01-03	ISSS3	7	12/14/2010	28	3.14	2.000	9	9	NA
778-01-05	ISSS4	7	12/14/2010	346	3.14	2.000	110	110	NA
REQUIRED STRENGTH:									

Notes: 1. Corrected Compressive Strength if L/D less than 1.80.

Tested By TMS *Date* 12/14/2010 *Checked By* TMS Date 12-17-10

DCN: CT-S31A DATE: 1/15/03 REVISION: 1 \\SERVER\Data Drive\2010 PROJECTS\2010-778 ARCADIS\[2010-778-01-03 SIGMAUC.xls]Sheet1
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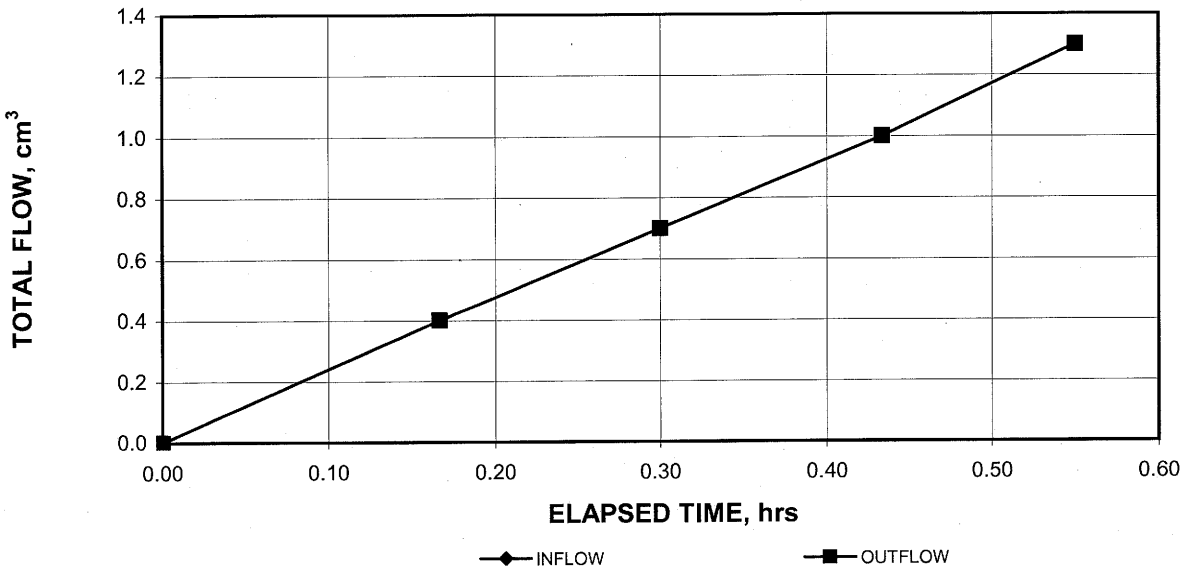
PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

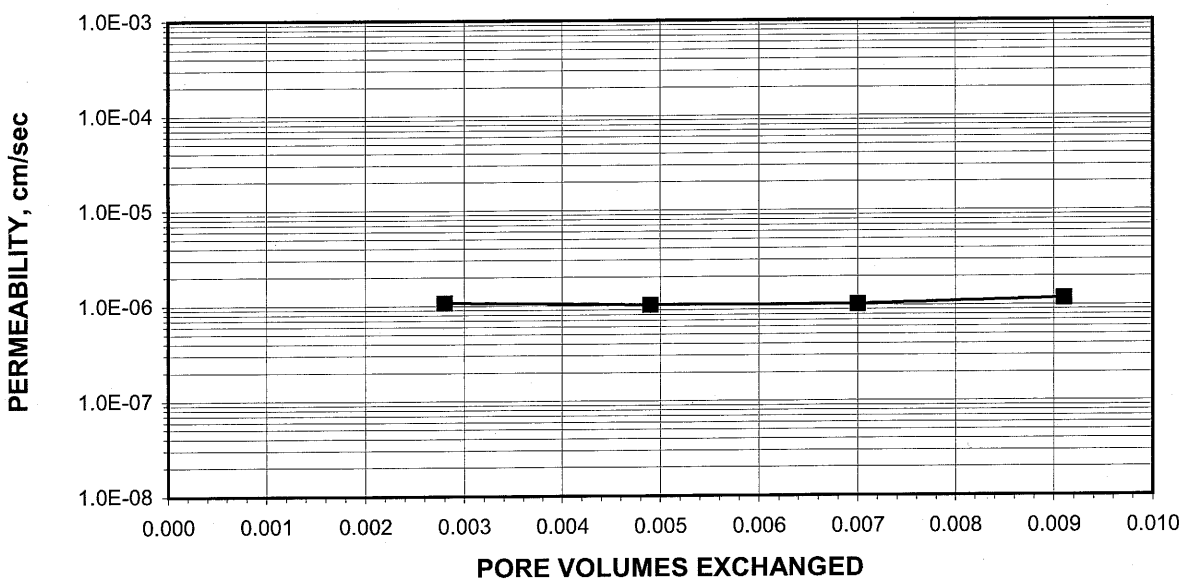
Client	ARACADIS U.S., INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS2
Lab ID No.	2010-778-01-02		

AVERAGE PERMEABILITY = 1.1E-06 cm/sec @ 20°C
AVERAGE PERMEABILITY = 1.1E-08 m/sec @ 20°C

TOTAL FLOW vs. ELAPSED TIME



PORE VOLUMES EXCHANGED vs. PERMEABILITY



Tested By: TMS Date: 12/17/2010 Checked By: GM Date: 12-20-10

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARACADIS U.S., INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS2
Lab ID No.	2010-778-01-02		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	808	820
Wt. of Tare & WS (gm.)	497.24	1172.48
Wt. of Tare & DS (gm.)	438.28	1028.18
Wt. of Tare (gm.)	104.46	136.08
Wt. of Water (gm.)	58.96	144.30
Wt. of DS (gm.)	333.82	892.10
Moisture Content (%)	**17.7**	**16.2**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	1053.07	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.)(gm.)	1053.07	1039.76
Length 1 (in.)	4.359	4.172
Length 2 (in.)	4.254	4.209
Length 3 (in.)	4.309	4.105
Top Diameter (in.)	3.006	3.011
Middle Diameter (in.)	2.949	2.970
Bottom Diameter (in.)	2.952	2.946
Average Length (in.)	4.31	4.16
Average Area ($in.^2$)	6.92	6.95
Sample Volume (cm^3)	488.67	474.31
Unit Wet Wt. ($gm./cm^3$)	2.15	2.19
Unit Wet Wt. (pcf)	134.5	136.8
Unit Dry Wt. (pcf)	114.3	117.8
Unit Dry Wt. ($gm./cm^3$)	1.83	1.89
Void Ratio, e	0.47	0.43
Porosity, n	0.32	0.30
Pore Volume (cm^3)	157.2	142.8
Total Wgt. Of Sample After Test		1036.92

Tested By: TMS Date: 12/17/2010 Checked By: GEM Date: 12.20.10

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2010 PROJECTS\2010-778 ARCADIS\[2010-778-01-02 PERMflow.xls]Sheet1

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARACADIS U.S., INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS2
Lab ID No.	2010-778-01-02		

Pressure Heads (Constant)

Top Cap (psi)	48.4
Bottom Cap (psi)	50.0
Cell (psi)	55.0
Total Pressure Head (cm)	112.5
Hydraulic Gradient	10.64

Final Sample Dimensions

Sample Length (cm), L	10.57
Sample Diameter (cm)	7.56
Sample Area (cm^2), A	44.87
Inflow Burette Area (cm^2), a-in	0.878
Outflow Burette Area (cm^2), a-out	0.871
B Parameter (%)	95

AVERAGE PERMEABILITY = 1.1E-06 cm/sec @ 20°C
AVERAGE PERMEABILITY = 1.1E-08 m/sec @ 20°C

DATE	TIME		ELAPSED TIME t	TOTAL INFLOW	TOTAL OUTFLOW	TOTAL HEAD h	FLOW (0 flow) (1 stop)	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(hr)	(cm^3)	(cm^3)	(cm)		(°C)	(cm/sec)
12/17/2010	11	3	0.00	0.0	0.0	139.3	0	21.1	NA
12/17/2010	11	13	0.17	0.4	0.4	138.4	0	21.2	1.1E-06
12/17/2010	11	21	0.30	0.7	0.7	137.7	0	21.2	1.0E-06
12/17/2010	11	29	0.43	1.0	1.0	137.0	0	21.2	1.0E-06
12/17/2010	11	36	0.55	1.3	1.3	136.4	1	21.2	1.2E-06

Tested By: TMS Date: 12/17/2010 Checked By: GBM Date: 12-20-10

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2010 PROJECTS\2010-778 ARCADIS\[2010-778-01-02 PERMflow.xls]Sheet1

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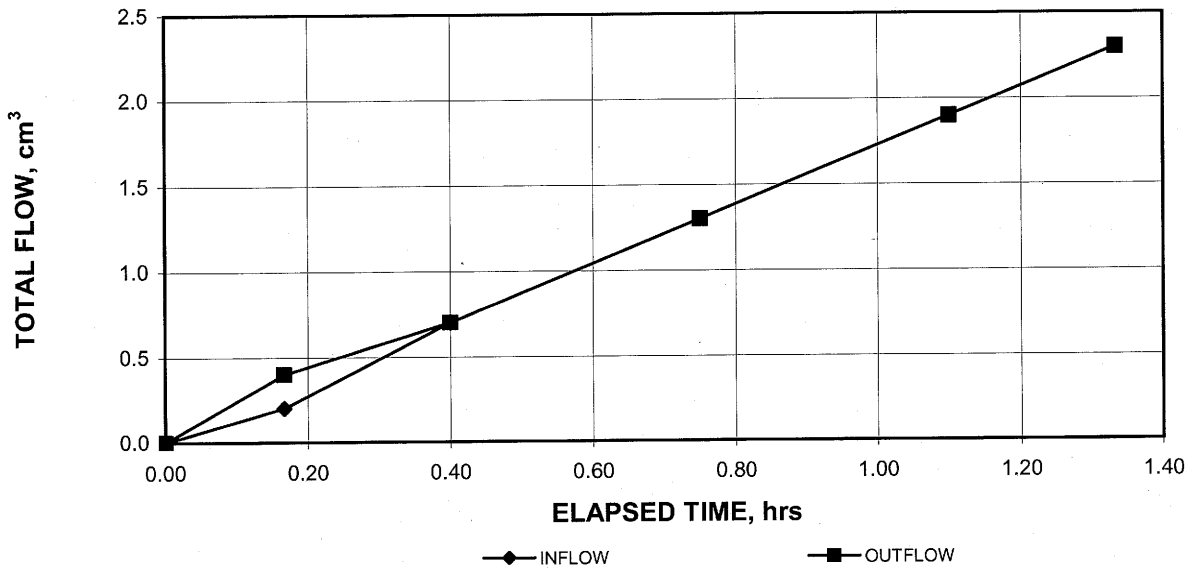
PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

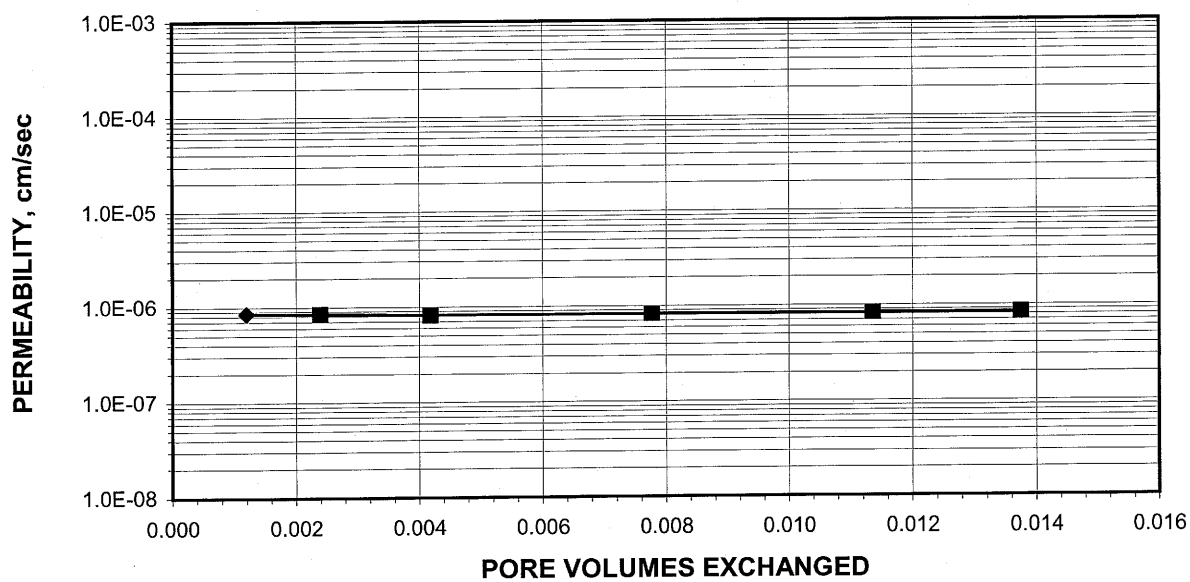
Client	ARACADIS U.S., INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS3
Lab ID No.	2010-778-01-04		

AVERAGE PERMEABILITY = 8.3E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 8.3E-09 m/sec @ 20°C

TOTAL FLOW vs. ELAPSED TIME



PORE VOLUMES EXCHANGED vs. PERMEABILITY



Tested By: TMS Date: 12/17/2010 Checked By: GEM Date: 12-20-10

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARACADIS U.S., INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS3
Lab ID No.	2010-778-01-04		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	803	816
Wt. of Tare & WS (gm.)	523.27	1148.21
Wt. of Tare & DS (gm.)	456.26	991.96
Wt. of Tare (gm.)	103.88	135.90
Wt. of Water (gm.)	67.01	156.25
Wt. of DS (gm.)	352.38	856.06
Moisture Content (%)	**19.0**	**18.3**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	1007.45	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.)(gm.)	1007.45	1000.98
Length 1 (in.)	4.295	4.255
Length 2 (in.)	4.217	4.172
Length 3 (in.)	4.220	4.260
Top Diameter (in.)	2.987	2.944
Middle Diameter (in.)	3.014	2.983
Bottom Diameter (in.)	3.022	2.989
Average Length (in.)	4.24	4.23
Average Area ($in.^2$)	7.10	6.94
Sample Volume (cm^3)	494.11	480.76
Unit Wet Wt. ($gm./cm^3$)	2.04	2.08
Unit Wet Wt. (pcf)	127.3	130.0
Unit Dry Wt. (pcf)	106.9	109.9
Unit Dry Wt. ($gm./cm^3$)	1.71	1.76
Void Ratio, e	0.58	0.53
Porosity, n	0.37	0.35
Pore Volume (cm^3)	180.6	167.2
Total Wgt. Of Sample After Test		1013.15

Tested By: TMS Date: 12/17/2010 Checked By: GEM Date: 12.20.10

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2010 PROJECTS\2010-778 ARCADIS\[2010-778-01-04 PERMflow.xls]Sheet1

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

geotechnics
INTEGRITY IN TESTING

Client	ARACADIS U.S., INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS3
Lab ID No.	2010-778-01-04		

Pressure Heads (Constant)

Top Cap (psi)	48.4
Bottom Cap (psi)	50.0
Cell (psi)	55.0
Total Pressure Head (cm)	112.5
Hydraulic Gradient	10.47

Final Sample Dimensions

Sample Length (cm), L	10.74
Sample Diameter (cm)	7.55
Sample Area (cm^2), A	44.76
Inflow Burette Area (cm^2), a-in	0.959
Outflow Burette Area (cm^2), a-out	0.983
B Parameter (%)	95

AVERAGE PERMEABILITY = 8.3E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 8.3E-09 m/sec @ 20°C

DATE	TIME		ELAPSED TIME t	TOTAL INFLOW	TOTAL OUTFLOW	TOTAL HEAD h	FLOW (0 flow)	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(hr)	(cm^3)	(cm^3)	(cm)	(1 stop)	(°C)	(cm/sec)
12/17/2010	11	7	0.00	0.0	0.0	137.3	0	21.1	NA
12/17/2010	11	17	0.17	0.2	0.4	136.7	0	21.2	8.5E-07
12/17/2010	11	31	0.40	0.7	0.7	135.8	0	21.2	8.2E-07
12/17/2010	11	52	0.75	1.3	1.3	134.6	0	21.2	8.2E-07
12/17/2010	12	13	1.10	1.9	1.9	133.4	0	21.2	8.3E-07
12/17/2010	12	27	1.33	2.3	2.3	132.5	1	21.2	8.3E-07

Tested By: TMS Date: 12/17/2010 Checked By: GEM Date: 12-20-10

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2010 PROJECTS\2010-778 ARCADIS\[2010-778-01-04 PERMflow.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

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PERMOMETER METHOD

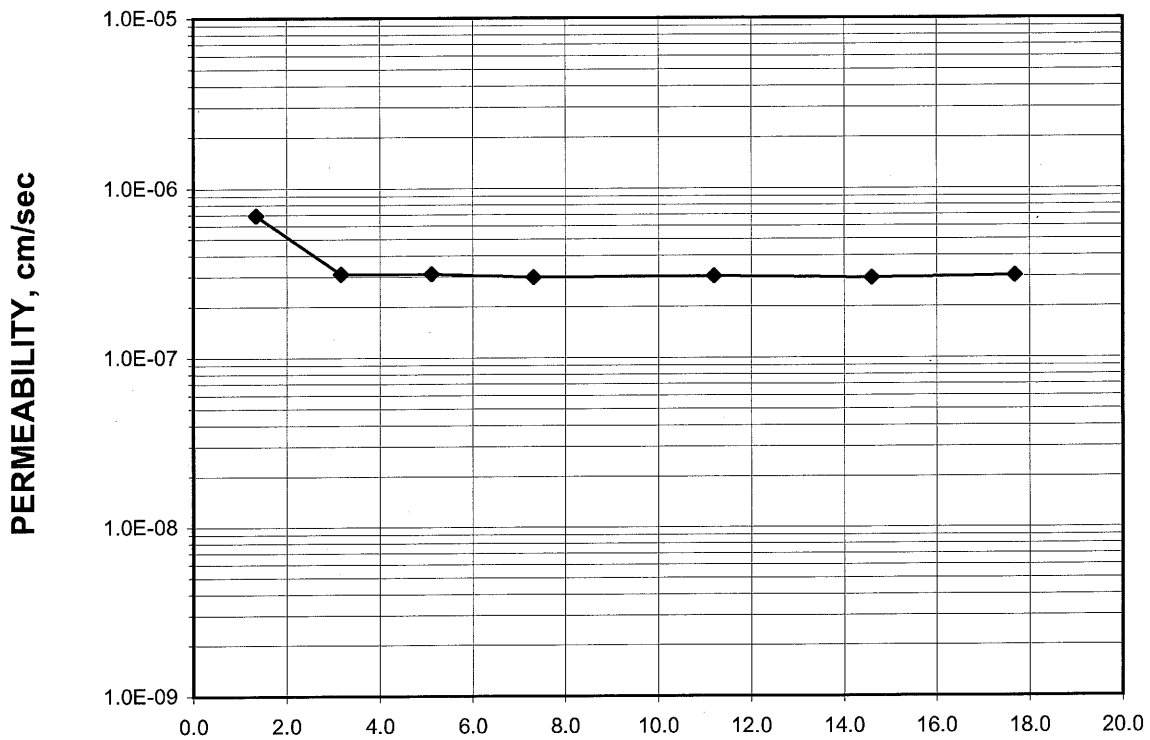
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S. INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS4
Lab ID No.	2010-778-01-06		

Visual Description: GREY SOIL CEMENT

AVERAGE PERMEABILITY = 3.0E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 3.0E-09 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: SD Date: 12/16/2010 Checked By: GEM Date: 12-20-10

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S. INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS4
Lab ID No.	2010-778-01-06		
		Specific Gravity	2.70
		Sample Condition	Assumed Undisturbed

Visual Description: GREY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	805	810
Wt. of Tare & WS (gm.)	465.29	1086.75
Wt. of Tare & DS (gm.)	411.28	931.55
Wt. of Tare (gm.)	107.34	114.57
Wt. of Water (gm.)	54.01	155.20
Wt. of DS (gm.)	303.94	816.98
Moisture Content (%)	**17.8**	**19.0**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	961.52	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	961.52	971.54
Length 1 (in.)	4.107	4.092
Length 2 (in.)	4.088	4.102
Length 3 (in.)	4.090	4.085
Top Diameter (in.)	3.004	2.988
Middle Diameter (in.)	3.022	2.990
Bottom Diameter (in.)	3.044	3.029
Average Length (in.)	4.10	4.09
Average Area ($in.^2$)	7.18	7.08
Sample Volume (cm^3)	481.74	474.84
Unit Wet Wt. ($gm./cm^3$)	1.996	2.046
Unit Wet Wt. (pcf)	124.6	127.7
Unit Dry Wt. (pcf)	105.8	107.3
Unit Dry Wt. ($gm./cm^3$)	1.695	1.719
Void Ratio, e	0.593	0.570
Porosity, n	0.372	0.363
Pore Volume (cm^3)	179.4	172.5
Total Wt. Of Sample After Test		972.93

Tested By: SD Date: 12/16/2010 Checked By: GM Date: 12-20-10

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FLEXIBLE WALL PERMEABILITY T

Geotechnics INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S. INC.	Boring No.	NA
Client Project	B0043021.0001.00003	Depth (ft.)	NA
Project No.	2010-778-01	Sample No.	ISSS4
Lab ID No.	2010-778-01-06		

Test Pressures

Cell Pressure(psi)	55.0
Back Pressure(psi)	50.0
Eff. Cons. Pressure(psi)	5.0
Response (%)	95

Final Sample Dimensions

Sample Length (cm), L	10.40
Sample Area (cm^2), A	45.67
Pipette Area (cm^2), a_p	0.03142
Annulus Area (cm^2), a_a	0.76712
Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 3.0E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 3.0E-09 m/sec @ 20°C

DATE	TIME			ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
12/16/2010	14	50	8	50.13	0.000	9.9	10.7	23.9	NA
12/16/2010	14	51	29	51.48	1.350	9.0	9.5	23.9	6.9E-07
12/16/2010	14	53	18	53.30	3.167	8.5	8.9	23.9	3.1E-07
12/16/2010	14	55	15	55.25	5.117	8.0	8.3	23.9	3.1E-07
12/16/2010	14	57	27	57.45	7.317	7.5	7.7	23.9	3.0E-07
12/16/2010	15	1	20	1.33	11.200	6.7	6.7	23.9	3.0E-07
12/16/2010	15	4	44	4.73	14.600	6.1	5.9	23.9	2.9E-07
12/16/2010	15	7	49	7.82	17.683	5.6	5.3	23.9	3.0E-07

Tested By: SD Date: 12/16/2010 Checked By: GEM Date: 12-20-10

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INTEGRITY IN TESTING

January 13, 2011

Project No. 2010-782-01

Mr. David Liles
Arcadis U.S., Inc.
Durham, NC

Transmittal
Laboratory Test Results
Port Jervis ISSS

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.

Michael P. Smith
Regional Manager

We understand that you have a choice in your laboratory services and we thank you for choosing Geotechnics.

Moisture, Ash, and Organic Matter (Loss on Ignition)

ASTM D 2974-07a, AASHTO T 267-86 (SOP - S8)

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INTEGRITY IN TESTING

Client	ARCADIS, U.S., INC.
Client Reference	PORT JERVIS ISSS
Project No.	2010-782-01

Moisture Content (Oven Dried, minus #10 Sieve Material)

Lab ID	01
Boring No.	NA
Depth(ft).	NA
Sample No.	Soil Homogenate
Tare Number	H+J
Wt. Tare & WS (gm)	148.40
Wt. Tare & DS (gm)	135.75
Wt. Tare (gm)	37.22
Wt. Water (gm)	12.65
Wt. DS (gm)	98.53
Moisture Content	**12.8%**

Ash Content, Organic Matter

Furnace Temperature ° C	440
Wt. Tare & Ash (gm)	134.31
Wt. Volatiles (gm)	1.44
Wt. Ash (gm)	97.09
Ash Content	**98.5%**
Organic Matter	**1.5%**

Tested By PC *Date* 1/10/2011 *Checked By* KC *Date* 1-12-11

DCN: CT-S8 DATE: 11/15/10 REVISION:4

\\Server\data drive\2011 INVOICES\JAN 2011 INVOICES\[TOTAL JAN INVOICES.xls]Sheet1

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INTEGRITY IN TESTING

ATTERBERG LIMITS

ASTM D 4318-05 / AASHTO T89 (SOP - S4A)

Client	ARCADIS U.S., INC	Boring No.	NA
Client Reference	PORT JERVIS ISSS	Depth (ft)	NA
Project No.	2010-782-01	Sample No.	SOIL HOMOGENATE
Lab ID	2010-782-01-01	Soil Description	**GRAY SILT**

Note: The USCS symbol used with this test refers only to the minus No. 40 sieve material. See the "Sieve and Hydrometer Analysis" graph page for the complete material description.

(Minus No. 40 sieve material, Airdried)

Liquid Limit Test	**1**	**2**	**3**
Tare Number	A	N	L
Wt. of Tare & WS (gm)	22.81	22.30	22.32
Wt. of Tare & DS (gm)	20.72	20.33	20.31
Wt. of Tare (gm)	15.21	15.26	15.21
Wt. of Water (gm)	2.1	2.0	2.0
Wt. of DS (gm)	5.5	5.1	5.1
Moisture Content (%)	**37.9**	**38.9**	**39.4**
Number of Blows	**32**	**25**	**18**

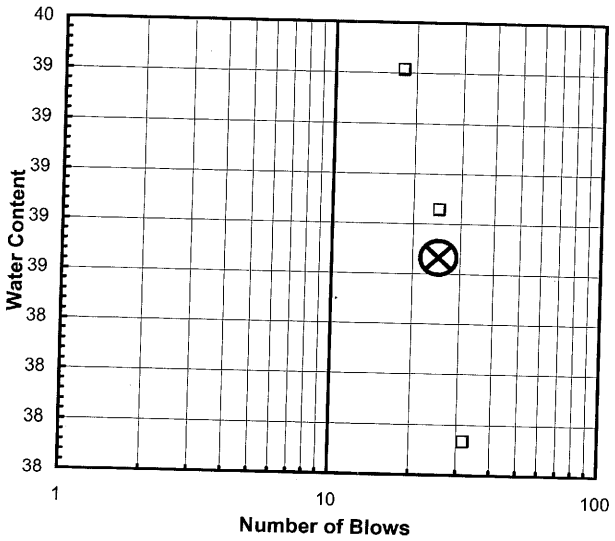
MULTIPOINT

Plastic Limit Test	**1**	**2**	**Range**
Tare Number	K	U	
Wt. of Tare & WS (gm)	22.65	21.94	
Wt. of Tare & DS (gm)	21.12	20.57	
Wt. of Tare (gm)	15.20	15.15	
Wt. of Water (gm)	1.5	1.4	
Wt. of DS (gm)	5.9	5.4	
Moisture Content (%)	**25.8**	**25.3**	**0.6**

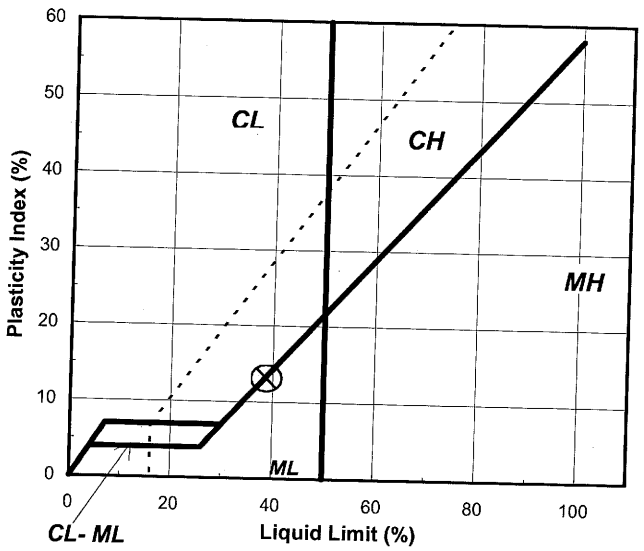
Note: The acceptable range of the two Moisture contents is ± 2.6

Test Results	
Liquid Limit (%)	**39**
Plastic Limit (%)	**26**
Plasticity Index (%)	**13**
USCS Symbol	**ML**

Flow Curve



Plasticity Chart



Tested By SD *Date* 1/6/2011 *Checked By* GEM *Date* 1-7-11

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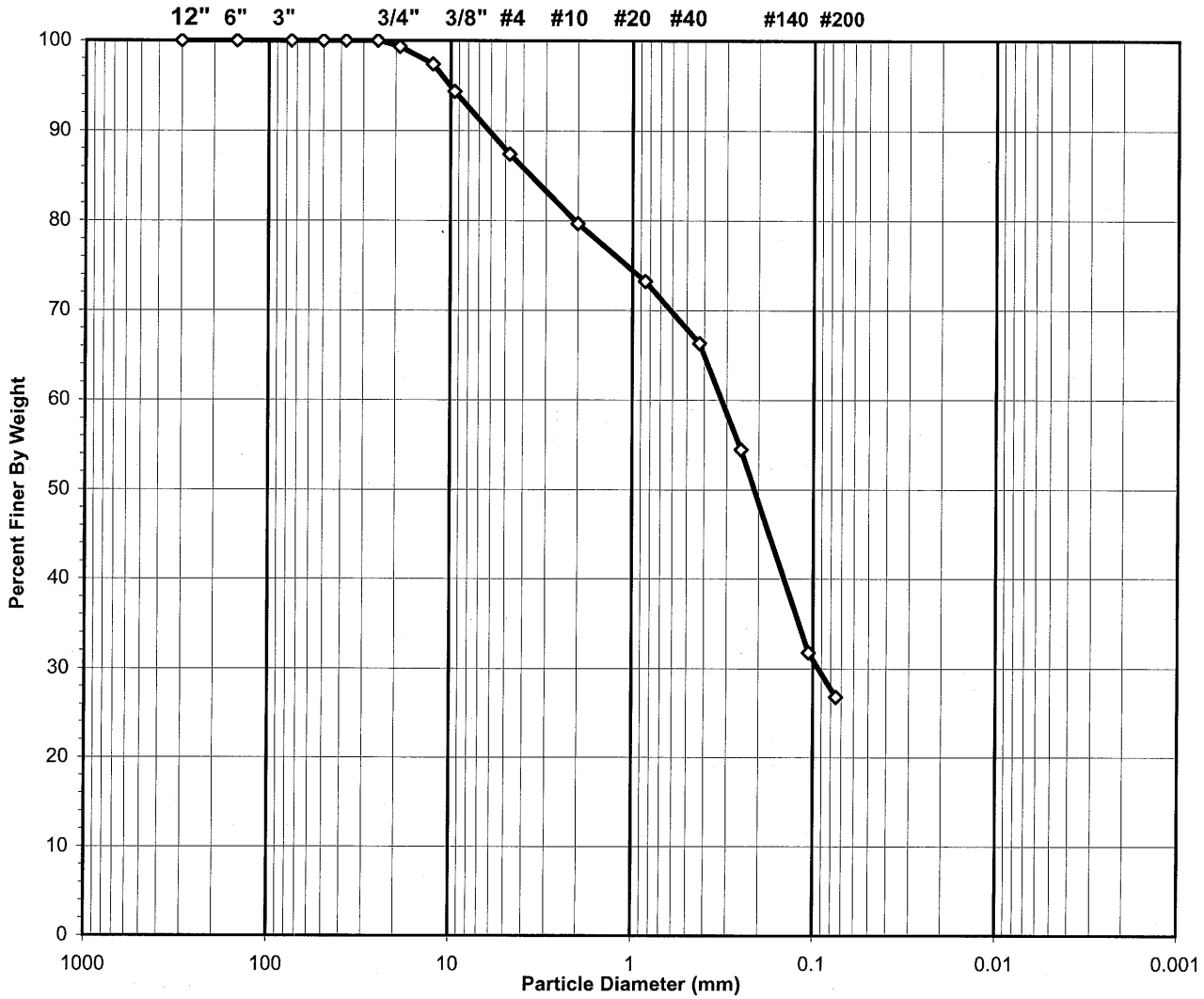
SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	ARCADIS U.S., INC	Boring No.	NA
Client Reference	PORT JERVIS ISSS	Depth (ft)	NA
Project No.	2010-782-01	Sample No.	SOIL HOMOGENATE
Lab ID	2010-782-01-01	Soil Color	**GRAY**

	SIEVE ANALYSIS		*HYDROMETER*
USCS	**gravel**	**sand**	**silt and clay**



USCS Symbol ***SM, TESTED***

USCS Classification ***SILTY SAND***

Tested By SD Date 1/6/2011 Checked By GEM Date 1-7-11

DCN: CT-S3A DATE 6-25-98 REVISION 2 *\\Server\data drive\2010 PROJECTS\2010-782 ARCADIS\[2010-782-01-01 J-SIEVEON.xls]Sheet1*

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WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	ARCADIS U.S., INC	Boring No.	NA
Client Reference	PORT JERVIS ISSS	Depth (ft)	NA
Project No.	2010-782-01	Sample No.	SOIL HOMOGENATE
Lab ID	2010-782-01-01	Soil Color	**GRAY**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	838	Tare No.	K-1
Wgt.Tare + Wet Specimen (gm)	724.15	Wgt.Tare + Wet Specimen (gm)	54.50
Wgt.Tare + Dry Specimen (gm)	673.62	Wgt.Tare + Dry Specimen (gm)	54.50
Weight of Tare (gm)	261.68	Weight of Tare (gm)	22.03
Weight of Water (gm)	50.53	Weight of Water (gm)	0.00
Weight of Dry Soil (gm)	411.94	Weight of Dry Soil (gm)	32.47
Moisture Content (%)	**12.3**	**Moisture Content (%)**	**0.0**

Wet Weight -3/4" Sample (gm)	9044.78	Weight of the Dry Specimen (gm)	411.94
Dry Weight - 3/4" Sample (gm)	8056.5	Weight of minus #200 material (gm)	111.30
Wet Weight +3/4" Sample (gm)	54.50	Weight of plus #200 material (gm)	300.64
Dry Weight + 3/4" Sample (gm)	54.50		
Total Dry Weight Sample (gm)	8111.0	**J - Factor (Percent Finer than 3/4")**	**0.9933**

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)		Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	**Accumulated Percent Finer (%)**
12"	300	0.00		0.0	0.0	100.0	**100.0**
6"	150	0.00		0.0	0.0	100.0	**100.0**
3"	75	0.00		0.0	0.0	100.0	**100.0**
2"	50	0.00	(*)	0.0	0.0	100.0	**100.0**
1 1/2"	37.5	0.00		0.0	0.0	100.0	**100.0**
1"	25	0.00		0.0	0.0	100.0	**100.0**
3/4"	19	54.50		0.7	0.7	99.3	**99.3**
1/2"	12.5	8.12		2.0	2.0	98.0	**97.4**
3/8"	9.5	12.55		3.0	5.0	95.0	**94.3**
#4	4.75	28.97		7.0	12.1	87.9	**87.4**
#10	2	31.94		7.8	19.8	80.2	**79.7**
#20	0.85	26.74	(**)	6.5	26.3	73.7	**73.2**
#40	0.425	28.57		6.9	33.2	66.8	**66.3**
#60	0.25	49.20		11.9	45.2	54.8	**54.5**
#140	0.106	94.08		22.8	68.0	32.0	**31.8**
#200	0.075	20.47		5.0	73.0	27.0	**26.8**
Pan	-	111.30		27.0	100.0	-	**-**

Notes : *(*) The + 3/4" sieve analysis is based on the Total Dry Weight of the Sample*
*(**) The - 3/4" sieve analysis is based on the Weight of the Dry Specimen*

Tested By SD Date 1/6/2011 Checked By GEM Date 1-7-11

DCN: CT-S3A DATE 5-17-00 REVISION 3 *\\Server\data drive\2010 PROJECTS\2010-782 ARCADIS\[2010-782-01-01 J-SIEVEON.xls]Sheet1*

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Geotechnics
INTEGRITY IN TESTING

COMPRESSIVE STRENGTH OF SOIL CEMENT CYLINDERS

ASTM D-1633

Client: ARCADIS U.S., INC.
Client Project: PORT JERVIS ISSS
Project No: 2010-782-01

FIELD DATA:

Placement Location:	NA	Cylinder Molded By:	CLIENT
Date Placed:	NA	Supplier:	NA
Time:	NA	Proportions:	NA
Slump, in.:	NA	Cement:	NA
Air Content %:	NA	Water:	NA
Air Temp, °F:	NA	Fine Aggregate:	NA
Material Temp, °F:	NA	Admixture:	NA

TEST RESULTS 2"X4" CYLINDERS

LABORATORY ID NUMBER	SPECIMEN ID	TEST AGE (DAYS)	DATE OF TEST	TOTAL LOAD (lbs)	CYL. AREA ($in.^2$)	CYL. L/D	COMPRESSIVE STRENGTH (PSI)	COMPRESSIVE STRENGTH (PSI) CORRECTED[1]	TYPE OF BREAK
782-01-03	ISSS-5	28	12/30/2010	232	3.14	2.000	74	74	NA
782-01-04	ISSS-6	28	12/30/2010	123	3.14	2.000	39	39	NA
REQUIRED STRENGTH:									

Notes: 1. Corrected Compressive Strength if L/D less than 1.80.

Tested By MPS *Date* 12/30/2010 *Checked By* GEM Date 1-4-11

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FLEXIBLE WALL PERMEABILITY TEST

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INTEGRITY IN TESTING

PERMOMETER METHOD

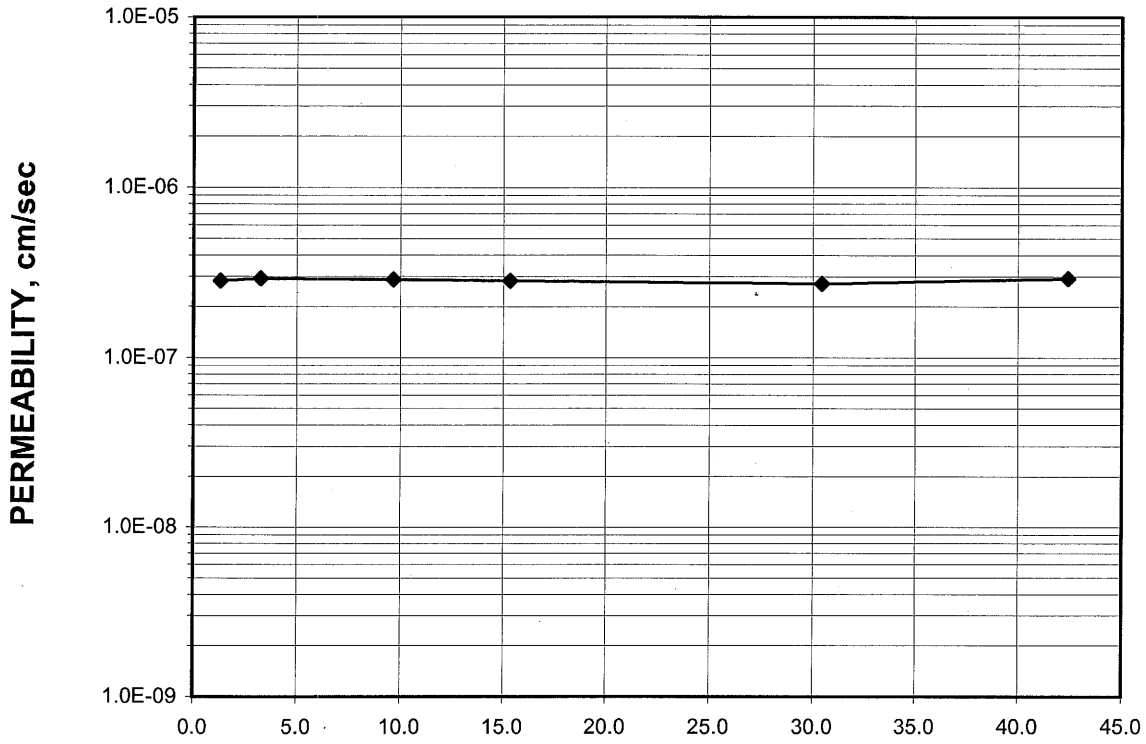
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS US, INC.	Boring No.	NA
Client Project	PORT JERVIS ISSS	Depth (ft.)	NA
Project No.	2010-782-01	Sample No.	ISSS-5
Lab ID No.	2010-782-01-02		

Visual Description: GRAY SOIL CEMENT

AVERAGE PERMEABILITY = 2.8E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 2.8E-09 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: MPS Date: 1/3/2011 Checked By: GJM Date: 1-5-11

DCN: CT-22A DATE:2-2-10 REVISION:5 \\Server\data drive\2010 PROJECTS\2010-782 ARCADIS\[2010-782-01-02 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

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PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS US, INC.	Boring No.	NA
Client Project	PORT JERVIS ISSS	Depth (ft.)	NA
Project No.	2010-782-01	Sample No.	ISSS-5
Lab ID No.	2010-782-01-02		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	811	801
Wt. of Tare & WS (gm.)	170.14	261.95
Wt. of Tare & DS (gm.)	161.38	236.51
Wt. of Tare (gm.)	106.29	107.82
Wt. of Water (gm.)	8.76	25.44
Wt. of DS (gm.)	55.09	128.69
Moisture Content (%)	**15.9**	**19.8**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	347.67	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	347.67	359.27
Length 1 (in.)	3.395	3.398
Length 2 (in.)	3.310	3.331
Length 3 (in.)	3.403	3.391
Top Diameter (in.)	1.996	2.010
Middle Diameter (in.)	2.001	1.996
Bottom Diameter (in.)	2.008	1.992
Average Length (in.)	3.37	3.37
Average Area ($in.^2$)	3.15	3.14
Sample Volume (cm^3)	173.75	173.55
Unit Wet Wt. ($gm./cm^3$)	2.001	2.070
Unit Wet Wt. (pcf)	124.9	129.2
Unit Dry Wt. (pcf)	107.8	107.9
Unit Dry Wt. ($gm./cm^3$)	1.726	1.728
Void Ratio, e	0.564	0.562
Porosity, n	0.361	0.360
Pore Volume (cm^3)	62.6	62.4
Total Wt. Of Sample After Test		353.70

Tested By: MPS Date: 1/3/2011 Checked By: GM Date: 1-5-11

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FLEXIBLE WALL PERMEABILITY T

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS US, INC.	Boring No.	NA
Client Project	PORT JERVIS ISSS	Depth (ft.)	NA
Project No.	2010-782-01	Sample No.	ISSS-5
Lab ID No.	2010-782-01-02		

Test Pressures		Final Sample Dimensions	
Cell Pressure(psi)	55.0	Sample Length (cm), L	8.57
Back Pressure(psi)	50.0	Sample Area (cm^2), A	20.25
Eff. Cons. Pressure(psi)	5.0	Pipette Area (cm^2), a_p	0.03142
Response (%)	95	Annulus Area (cm^2), a_a	0.76712
		Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 2.8E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 2.8E-09 m/sec @ 20°C

DATE		TIME		ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
1/3/2011	14	44	0	44.00	0.000	10.0	13.1	23.4	NA
1/3/2011	14	45	18	45.30	1.300	9.8	12.8	23.4	2.8E-07
1/3/2011	14	47	15	47.25	3.250	9.5	12.3	23.4	2.9E-07
1/3/2011	14	53	40	53.67	9.667	8.6	11.0	23.4	2.9E-07
1/3/2011	14	59	19	59.32	15.317	7.9	9.9	23.4	2.8E-07
1/3/2011	15	14	26	14.43	30.433	6.4	7.6	23.4	2.7E-07
1/3/2011	15	26	25	26.42	42.417	5.4	6.1	23.4	2.9E-07

Tested By: MPS Date: 1/3/2011 Checked By: GEM Date: 1-5-11

DCN: CT-22A DATE:2-2-10 REVISION:6 N:\Server\data drive\2010 PROJECTS\2010-782 ARCADIS\[2010-782-01-02 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

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INTEGRITY IN TESTING

PERMOMETER METHOD

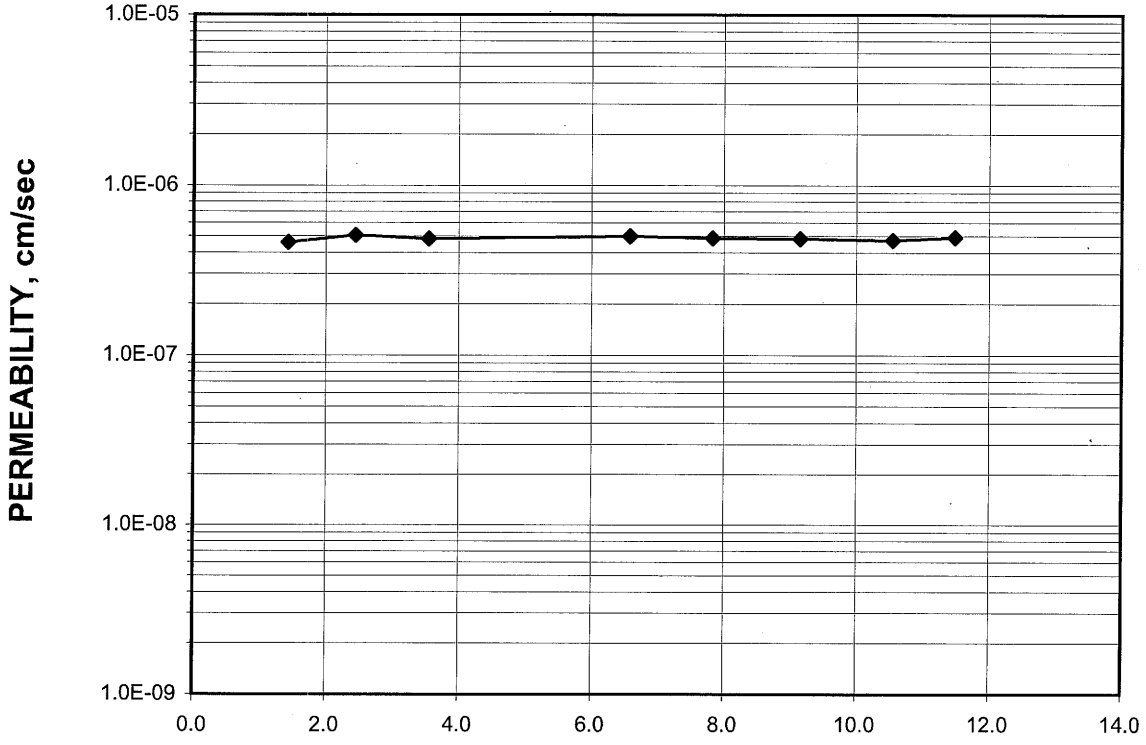
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS US, INC.	Boring No.	NA
Client Project	PORT JERVIS ISSS	Depth (ft.)	NA
Project No.	2010-782-01	Sample No.	ISSS-6
Lab ID No.	2010-782-01-05		

Visual Description: GRAY SOIL CEMENT

AVERAGE PERMEABILITY = 4.8E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 4.8E-09 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: MPS Date: 1/3/2011 Checked By: GEM Date: 1-5-11

DCN: CT-22A DATE:2-2-10 REVISION:5 S:\server\data drive\2010 PROJECTS\2010-782 ARCADIS\[2010-782-01-05 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

geotechnics
INTEGRITY IN TESTING

Client	ARCADIS US, INC.	Boring No.	NA
Client Project	PORT JERVIS ISSS	Depth (ft.)	NA
Project No.	2010-782-01	Sample No.	ISSS-6
Lab ID No.	2010-782-01-05		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	801	811
Wt. of Tare & WS (gm.)	174.52	248.16
Wt. of Tare & DS (gm.)	164.85	225.71
Wt. of Tare (gm.)	107.91	106.29
Wt. of Water (gm.)	9.67	22.45
Wt. of DS (gm.)	56.94	119.42
Moisture Content (%)	**17.0**	**18.8**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	347.67	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	347.67	353.07
Length 1 (in.)	3.335	3.296
Length 2 (in.)	3.267	3.283
Length 3 (in.)	3.279	3.315
Top Diameter (in.)	1.990	2.013
Middle Diameter (in.)	2.005	1.998
Bottom Diameter (in.)	1.993	1.986
Average Length (in.)	3.29	3.30
Average Area ($in.^2$)	3.13	3.14
Sample Volume (cm^3)	168.89	169.62
Unit Wet Wt. ($gm./cm^3$)	2.059	2.082
Unit Wet Wt. (pcf)	128.5	129.9
Unit Dry Wt. (pcf)	109.8	109.4
Unit Dry Wt. ($gm./cm^3$)	1.760	1.752
Void Ratio, e	0.534	0.541
Porosity, n	0.348	0.351
Pore Volume (cm^3)	58.8	59.5
Total Wt. Of Sample After Test		350.46

Tested By: MPS Date: 1/3/2011 Checked By: GEM Date: 1-25-11

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FLEXIBLE WALL PERMEABILITY
PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

geotechnics
INTEGRITY IN TESTING

Client	ARCADIS US, INC.	Boring No.	NA
Client Project	PORT JERVIS ISSS	Depth (ft.)	NA
Project No.	2010-782-01	Sample No.	ISSS-6
Lab ID No.	2010-782-01-05		

Test Pressures	
Cell Pressure(psi)	55.0
Back Pressure(psi)	50.0
Eff. Cons. Pressure(psi)	5.0
Response (%)	95

Final Sample Dimensions	
Sample Length (cm), L	8.38
Sample Area (cm^2), A	20.25
Pipette Area (cm^2), a_p	0.03142
Annulus Area (cm^2), a_a	0.76712
Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 4.8E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 4.8E-09 m/sec @ 20°C

DATE	TIME				ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
1/3/2011	16	3	0	3.00	0.000	10.9	14.8	23.4	NA
1/3/2011	16	4	26	4.43	1.433	10.5	14.2	23.4	4.6E-07
1/3/2011	16	5	27	5.45	2.450	10.2	13.7	23.4	5.0E-07
1/3/2011	16	6	33	6.55	3.550	9.9	13.3	23.4	4.8E-07
1/3/2011	16	9	35	9.58	6.583	9.1	12.0	23.4	5.0E-07
1/3/2011	16	10	50	10.83	7.833	8.8	11.5	23.4	4.9E-07
1/3/2011	16	12	9	12.15	9.150	8.5	11.1	23.4	4.8E-07
1/3/2011	16	13	33	13.55	10.550	8.2	10.6	23.4	4.7E-07
1/3/2011	16	14	29	14.48	11.483	8.0	10.3	23.4	4.9E-07

Tested By: MPS Date: 1/3/2011 Checked By: GEM Date: 1-5-11

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Geotechnics
INTEGRITY IN TESTING

January 17, 2011

Project No. 2011-701-01

Mr. David Liles
Arcadis U.S., Inc.
Durham, NC

Transmittal
Laboratory Test Results
Port Jervis B0043021.0001.00003

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.

Michael P. Smith
Regional Manager

We understand that you have a choice in your laboratory services and we thank you for choosing Geotechnics.

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geotechnics
INTEGRITY IN TESTING

COMPRESSIVE STRENGTH OF SOIL CEMENT CYLINDERS

ASTM D-1633

Client: ARCADIS U.S., INC.
Client Project: PORT JERVIS ISSS
Project No: 2011-701-01

FIELD DATA:

Placement Location:	NA	Cylinder Molded By:	CLIENT
Date Placed:	NA	Supplier:	NA
Time:	NA	Proportions:	NA
Slump, in.:	NA	Cement:	NA
Air Content %:	NA	Water:	NA
Air Temp, °F:	NA	Fine Aggregate:	NA
Material Temp, °F:	NA	Admixture:	NA

TEST RESULTS 2"X4" CYLINDERS

LABORATORY ID NUMBER	SPECIMEN ID	TEST AGE (DAYS)	DATE OF TEST	TOTAL LOAD (lbs)	CYL. AREA ($in.^2$)	CYL. L/D	COMPRESSIVE STRENGTH (PSI)	COMPRESSIVE STRENGTH (PSI) CORRECTED[1]	TYPE OF BREAK
701-01-05	ISSS 3A	28	1/7/2011	468	3.14	2.000	149	149	NA
701-01-06	ISSS 3B	28	1/7/2011	426	3.14	2.000	136	136	NA
701-01-07	ISSS 4A	28	1/7/2011	1,019	3.14	2.000	324	324	NA
701-01-08	ISSS 4B	28	1/7/2011	915	3.14	2.000	291	291	NA
REQUIRED STRENGTH:									

Notes: 1. Corrected Compressive Strength if L/D less than 1.80.

Tested By MPS *Date* 1/7/2011 *Checked By* GEM Date 1-10-11

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Geotechnics
INTEGRITY IN TESTING

COMPRESSIVE STRENGTH OF SOIL CEMENT CYLINDERS

ASTM D-1633

Client: ARCADIS U.S., INC.
Client Project: PORT JERVIS ISSS
Project No: 2011-701-01

FIELD DATA:

Placement Location:	NA	Cylinder Molded By:	CLIENT
Date Placed:	NA	Supplier:	NA
Time:	NA	Proportions:	NA
Slump, in.:	NA	Cement:	NA
Air Content %:	NA	Water:	NA
Air Temp, °F:	NA	Fine Aggregate:	NA
Material Temp, °F:	NA	Admixture:	NA

TEST RESULTS 2"X4" CYLINDERS

LABORATORY ID NUMBER	SPECIMEN ID	TEST AGE (DAYS)	DATE OF TEST	TOTAL LOAD (lbs)	CYL. AREA ($in.^2$)	CYL. L/D	COMPRESSIVE STRENGTH (PSI)	COMPRESSIVE STRENGTH (PSI) CORRECTED[1]	TYPE OF BREAK
701-01-01	ISSS 1A	28	1/7/2011	10	3.14	2.000	3	3	NA
701-01-02	ISSS 1B	28	1/7/2011	10	3.14	2.000	3	3	NA
701-01-03	ISSS 2A	28	1/7/2011	23	3.14	2.000	7	7	NA
701-01-04	ISSS 2B	28	1/7/2011	16	3.14	2.000	5	5	NA
REQUIRED STRENGTH:									

Notes: 1. Corrected Compressive Strength if L/D less than 1.80.

Tested By MPS *Date* 1/7/2011 *Checked By* GEM Date 1-10-11

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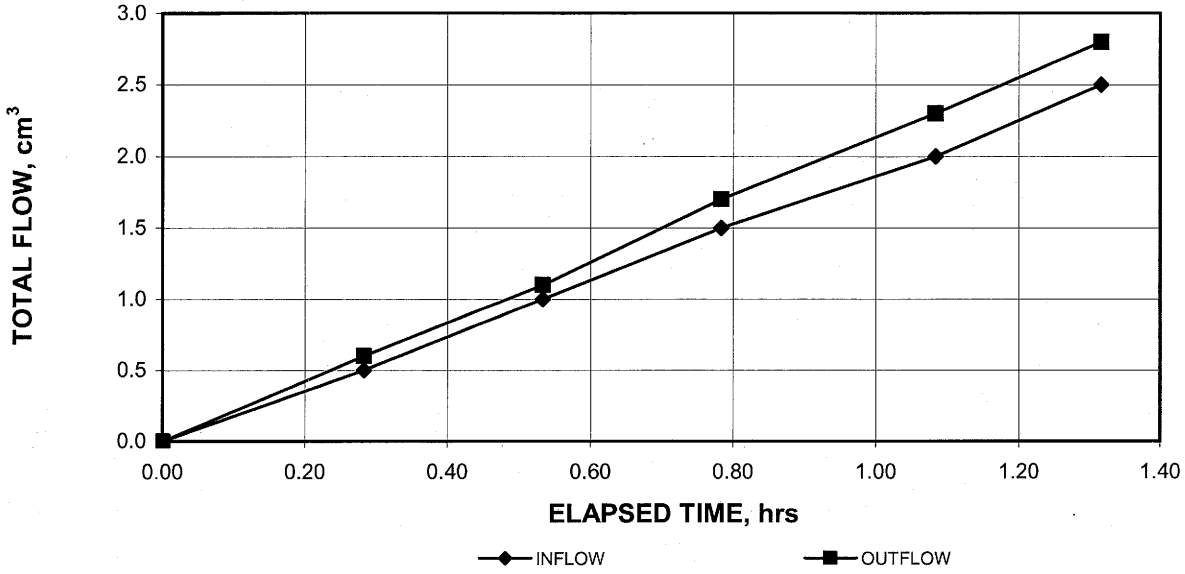
PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

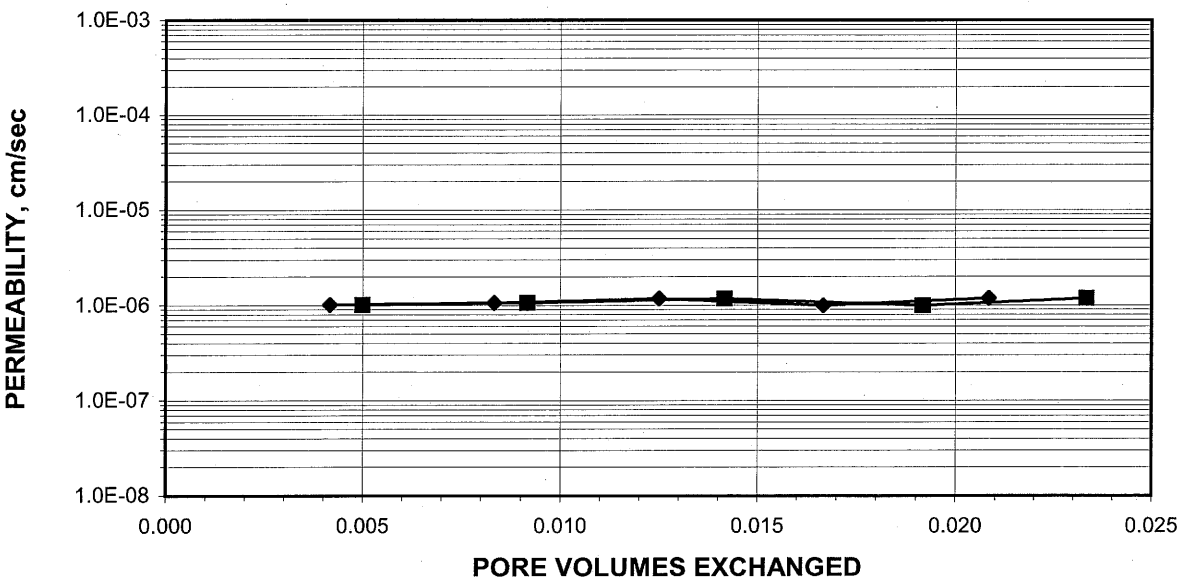
Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 1A
Lab ID No.	2011-701-01-01		

AVERAGE PERMEABILITY = 1.1E-06 cm/sec @ 20°C
AVERAGE PERMEABILITY = 1.1E-08 m/sec @ 20°C

TOTAL FLOW vs. ELAPSED TIME



PORE VOLUMES EXCHANGED vs. PERMEABILITY



Tested By: DAW Date: 1/10/2011 Checked By: GEM Date: 1-12-11

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 1A
Lab ID No.	2011-701-01-01		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	810	812
Wt. of Tare & WS (gm.)	503.81	530.98
Wt. of Tare & DS (gm.)	443.52	476.94
Wt. of Tare (gm.)	114.56	107.03
Wt. of Water (gm.)	60.29	54.04
Wt. of DS (gm.)	328.96	369.91
Moisture Content (%)	**18.3**	**14.6**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	948.15	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.)(gm.)	948.15	918.35
Length 1 (in.)	4.162	3.737
Length 2 (in.)	4.162	3.679
Length 3 (in.)	4.162	3.704
Top Diameter (in.)	3.068	2.954
Middle Diameter (in.)	3.068	2.890
Bottom Diameter (in.)	3.068	3.023
Average Length (in.)	4.16	3.71
Average Area (in.^{2})	7.39	6.86
Sample Volume (cm^3)	504.20	416.76
Unit Wet Wt. (gm./ cm^3)	1.88	2.20
Unit Wet Wt. (pcf)	117.4	137.6
Unit Dry Wt. (pcf)	99.2	120.0
Unit Dry Wt. (gm./ cm^3)	1.59	1.92
Void Ratio, e	0.70	0.40
Porosity, n	0.41	0.29
Pore Volume (cm^3)	207.4	120.0
Total Wgt. Of Sample After Test		914.00

Tested By: DAW Date: 1/10/2011 Checked By: GEM Date: 1-12-11

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-01-01 PERMflow.xls]Sheet1

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 1A
Lab ID No.	2011-701-01-01		

Pressure Heads (Constant)

Top Cap (psi)	48.8
Bottom Cap (psi)	50.0
Cell (psi)	55.0
Total Pressure Head (cm)	84.4
Hydraulic Gradient	8.96

Final Sample Dimensions

Sample Length (cm), L	9.41
Sample Diameter (cm)	7.51
Sample Area (cm^2), A	44.27
Inflow Burette Area (cm^2), a-in	0.852
Outflow Burette Area (cm^2), a-out	0.972
B Parameter (%)	96

AVERAGE PERMEABILITY = 1.1E-06 cm/sec @ 20°C
AVERAGE PERMEABILITY = 1.1E-08 m/sec @ 20°C

DATE	TIME		ELAPSED TIME t	TOTAL INFLOW	TOTAL OUTFLOW	TOTAL HEAD h	FLOW (0 flow)	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(hr)	(cm^3)	(cm^3)	(cm)	(1 stop)	(°C)	(cm/sec)
1/10/2011	13	54	0.00	0.0	0.0	107.4	0	21.8	NA
1/10/2011	14	11	0.28	0.5	0.6	106.2	0	21.8	1.0E-06
1/10/2011	14	26	0.53	1.0	1.1	105.1	0	21.8	1.1E-06
1/10/2011	14	41	0.78	1.5	1.7	103.9	0	21.8	1.2E-06
1/10/2011	14	59	1.08	2.0	2.3	102.7	0	21.8	9.9E-07
1/10/2011	15	13	1.32	2.5	2.8	101.6	1	21.8	1.2E-06

Tested By: DAW Date: 1/10/2011 Checked By: GEM Date: 1-12-11

DCN: CT-22 DATE: 2/2/10 REVISION\\9erver\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-01-01 PERMflow.xls]Sheet1

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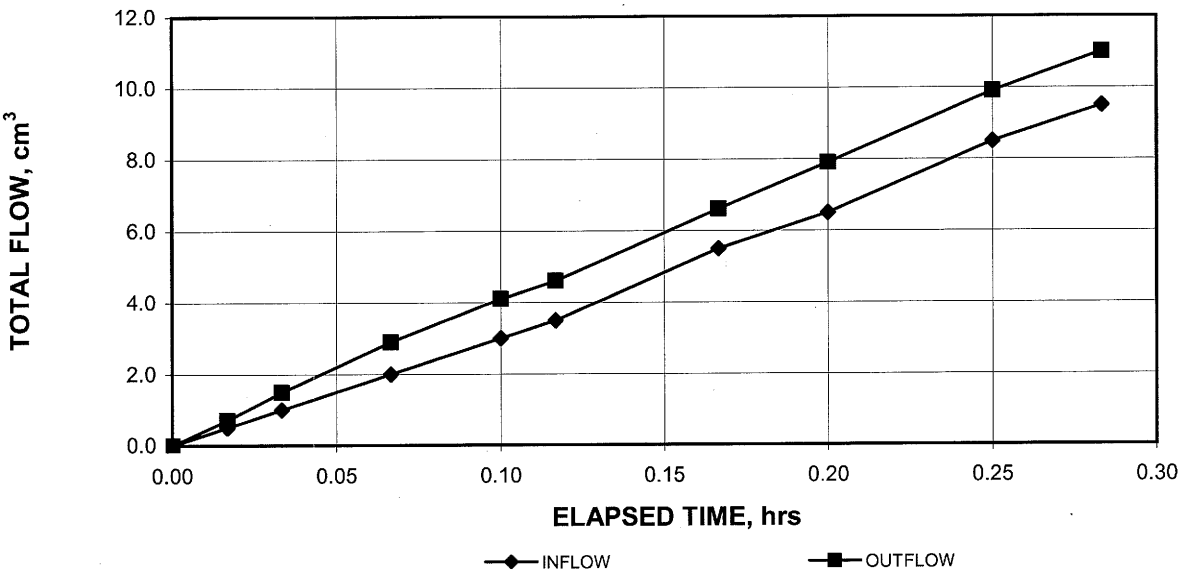
PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

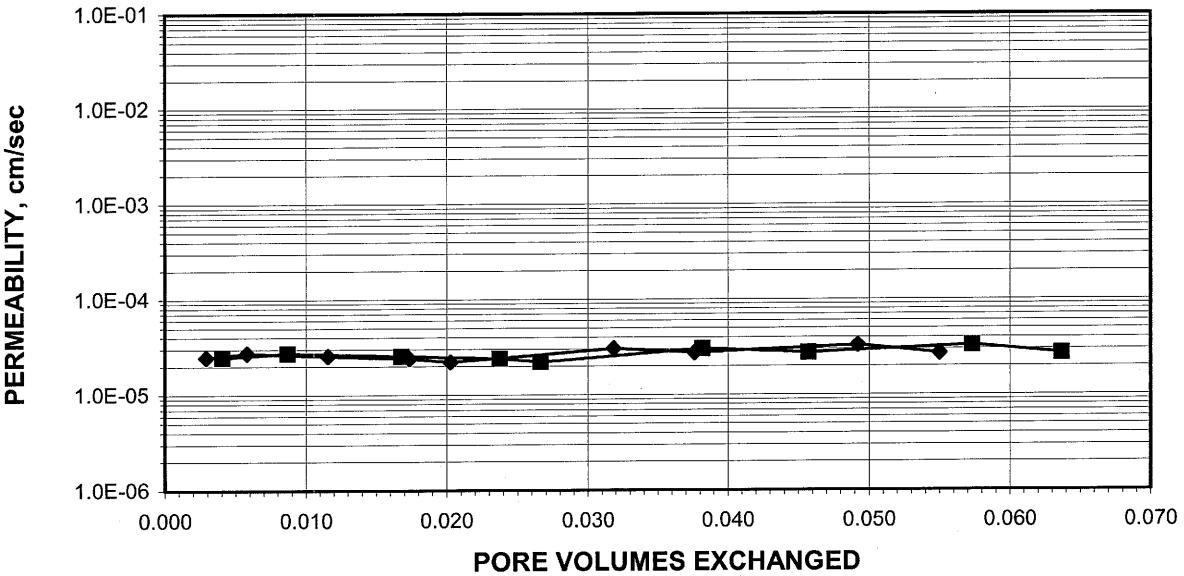
Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 2A
Lab ID No.	2011-701-01-03		

AVERAGE PERMEABILITY = 2.9E-05 cm/sec @ 20°C
AVERAGE PERMEABILITY = 2.9E-07 m/sec @ 20°C

TOTAL FLOW vs. ELAPSED TIME



PORE VOLUMES EXCHANGED vs. PERMEABILITY



Tested By: DAW Date: 1/10/2011 Checked By: GBM Date: 1-17-11

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 2A
Lab ID No.	2011-701-01-03		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	813	805
Wt. of Tare & WS (gm.)	367.00	522.44
Wt. of Tare & DS (gm.)	330.30	464.36
Wt. of Tare (gm.)	112.70	107.41
Wt. of Water (gm.)	36.70	58.08
Wt. of DS (gm.)	217.60	356.95
Moisture Content (%)	**16.9**	**16.3**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	1133.45	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.)(gm.)	1133.45	1127.68
Length 1 (in.)	4.612	4.697
Length 2 (in.)	4.612	4.671
Length 3 (in.)	4.612	4.607
Top Diameter (in.)	3.036	2.992
Middle Diameter (in.)	3.036	2.967
Bottom Diameter (in.)	3.036	2.977
Average Length (in.)	4.61	4.66
Average Area ($in.^2$)	7.24	6.97
Sample Volume (cm^3)	547.12	531.94
Unit Wet Wt. ($gm./cm^3$)	2.07	2.12
Unit Wet Wt. (pcf)	129.3	132.3
Unit Dry Wt. (pcf)	110.7	113.8
Unit Dry Wt. ($gm./cm^3$)	1.77	1.82
Void Ratio, e	0.52	0.48
Porosity, n	0.34	0.32
Pore Volume (cm^3)	187.9	172.7
Total Wgt. Of Sample After Test		1127.07

Tested By: DAW Date: 1/10/2011 Checked By: GEM Date: 1-17-11

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-01-01 PERMflow.xls]Sheet1

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PERMEABILITY TEST

ASTM D 5084-03
(SOP-S22A & S22B)

Geotechnics
INTEGRITY IN TESTING

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 2A
Lab ID No.	2011-701-01-03		

Pressure Heads (Constant)	
Top Cap (psi)	48.8
Bottom Cap (psi)	50.0
Cell (psi)	55.0
Total Pressure Head (cm)	84.4
Hydraulic Gradient	7.13

Final Sample Dimensions	
Sample Length (cm), L	11.83
Sample Diameter (cm)	7.57
Sample Area (cm^2), A	44.96
Inflow Burette Area (cm^2), a-in	0.977
Outflow Burette Area (cm^2), a-out	0.868
B Parameter (%)	95

AVERAGE PERMEABILITY = 2.9E-05 cm/sec @ 20°C
AVERAGE PERMEABILITY = 2.9E-07 m/sec @ 20°C

DATE	TIME		ELAPSED TIME t	TOTAL INFLOW	TOTAL OUTFLOW	TOTAL HEAD h	FLOW (0 flow) (1 stop)	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(hr)	(cm^3)	(cm^3)	(cm)		(°C)	(cm/sec)
1/10/2011	13	35	0.00	0.0	0.0	103.6	0	21.8	NA
1/10/2011	13	36	0.02	0.5	0.7	102.2	0	21.8	2.5E-05
1/10/2011	13	37	0.03	1.0	1.5	100.8	0	21.8	2.7E-05
1/10/2011	13	39	0.07	2.0	2.9	98.2	0	21.8	2.6E-05
1/10/2011	13	41	0.10	3.0	4.1	95.8	0	21.8	2.4E-05
1/10/2011	13	42	0.12	3.5	4.6	94.7	0	21.8	2.2E-05
1/10/2011	13	45	0.17	5.5	6.6	90.3	0	21.8	3.0E-05
1/10/2011	13	47	0.20	6.5	7.9	87.8	0	21.8	2.7E-05
1/10/2011	13	50	0.25	8.5	9.9	83.4	0	21.8	3.3E-05
1/10/2011	13	52	0.28	9.5	11.0	81.2	1	21.8	2.7E-05

Tested By: DAW Date: 1/10/2011 Checked By: GBM Date: 1-17-11

DCN: CT-22 DATE: 2/2/10 REVISION\\Server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-01-01 PERMflow.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

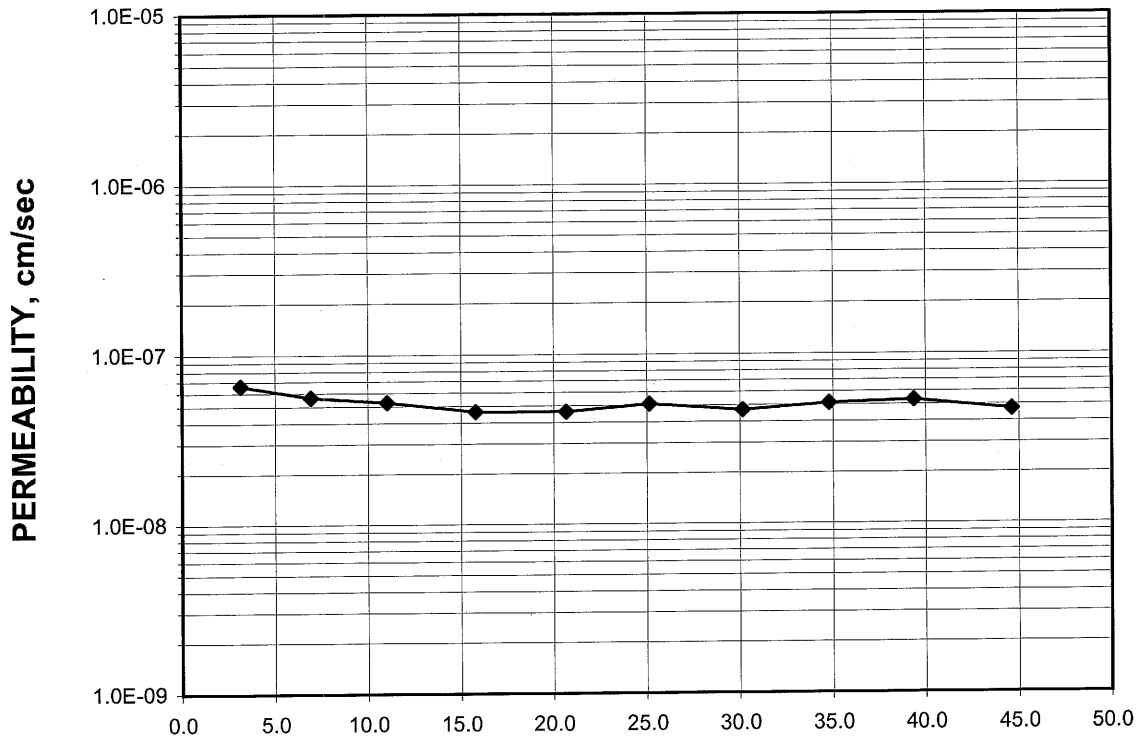
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 4A
Lab ID No.	2011-701-01-07		

Visual Description: BROWN GRAY SOIL CEMENT

AVERAGE PERMEABILITY = 4.9E-08 cm/sec @ 20°C
AVERAGE PERMEABILITY = 4.9E-10 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: SD Date: 1/13/2011 Checked By: CBM Date: 1-17-11

DCN: CT-22A DATE:2-2-10 REVISION:1 I:\Server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-01-07 PERMOMETER.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 4A
Lab ID No.	2011-701-01-07		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: BROWN GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	800	802
Wt. of Tare & WS (gm.)	124.32	494.17
Wt. of Tare & DS (gm.)	121.78	432.13
Wt. of Tare (gm.)	104.45	103.68
Wt. of Water (gm.)	2.54	62.04
Wt. of DS (gm.)	17.33	328.45
Moisture Content (%)	**14.7**	**18.9**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	1400.67	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	1400.67	1452.37
Length 1 (in.)	5.944	5.757
Length 2 (in.)	5.945	5.700
Length 3 (in.)	6.000	5.697
Top Diameter (in.)	3.045	3.038
Middle Diameter (in.)	3.027	3.013
Bottom Diameter (in.)	3.029	2.996
Average Length (in.)	5.96	5.72
Average Area ($in.^2$)	7.23	7.14
Sample Volume (cm^3)	706.30	669.27
Unit Wet Wt. ($gm./cm^3$)	1.983	2.170
Unit Wet Wt. (pcf)	123.8	135.5
Unit Dry Wt. (pcf)	108.0	113.9
Unit Dry Wt. ($gm./cm^3$)	1.730	1.825
Void Ratio, e	0.561	0.479
Porosity, n	0.359	0.324
Pore Volume (cm^3)	253.9	216.8
Total Wt. Of Sample After Test		1420.27

Tested By: SD Date: 1/13/2011 Checked By: GEM Date: 1-17-11

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FLEXIBLE WALL PERMEABILITY T

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INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-01	Sample No.	ISSS 4A
Lab ID No.	2011-701-01-07		

Test Pressures		Final Sample Dimensions	
Cell Pressure(psi)	55.0	Sample Length (cm), L	14.52
Back Pressure(psi)	50.0	Sample Area (cm^2), A	46.08
Eff. Cons. Pressure(psi)	5.0	Pipette Area (cm^2), a_p	0.03142
Response (%)	98	Annulus Area (cm^2), a_a	0.76712
		Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 4.9E-08 cm/sec @ 20°C
AVERAGE PERMEABILITY = 4.9E-10 m/sec @ 20°C

DATE		TIME		ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
1/13/2011	11	14	39	14.65	0.000	13.1	10.5	21.8	NA
1/13/2011	11	17	49	17.82	3.167	12.9	10.3	21.8	6.6E-08
1/13/2011	11	21	35	21.58	6.933	12.7	10.2	21.8	5.6E-08
1/13/2011	11	25	41	25.68	11.033	12.5	10.0	21.8	5.3E-08
1/13/2011	11	30	27	30.45	15.800	12.3	9.8	21.8	4.6E-08
1/13/2011	11	35	19	35.32	20.667	12.1	9.6	21.8	4.6E-08
1/13/2011	11	39	48	39.80	25.150	11.9	9.4	21.8	5.1E-08
1/13/2011	11	44	48	44.80	30.150	11.7	9.3	21.8	4.7E-08
1/13/2011	11	49	27	49.45	34.800	11.5	9.1	21.8	5.1E-08
1/13/2011	11	54	1	54.02	39.367	11.3	8.9	21.8	5.3E-08
1/13/2011	11	59	17	59.28	44.633	11.1	8.7	21.8	4.7E-08

Tested By: SD Date: 1/13/2011 Checked By: GEM Date: 1-17-11

DCN: CT-22A DATE:2-2-10 REVISION:5 S:\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-01-07 PERMOMETER.xls]Sheet1

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Geotechnics
INTEGRITY IN TESTING

February 2, 2011

Project No. 2011-701-03

Mr. David Liles
Arcadis U.S., Inc.
Durham, NC

Transmittal
Laboratory Test Results
Port Jervis B0043021.0001.00003

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.

Michael P. Smith
Regional Manager

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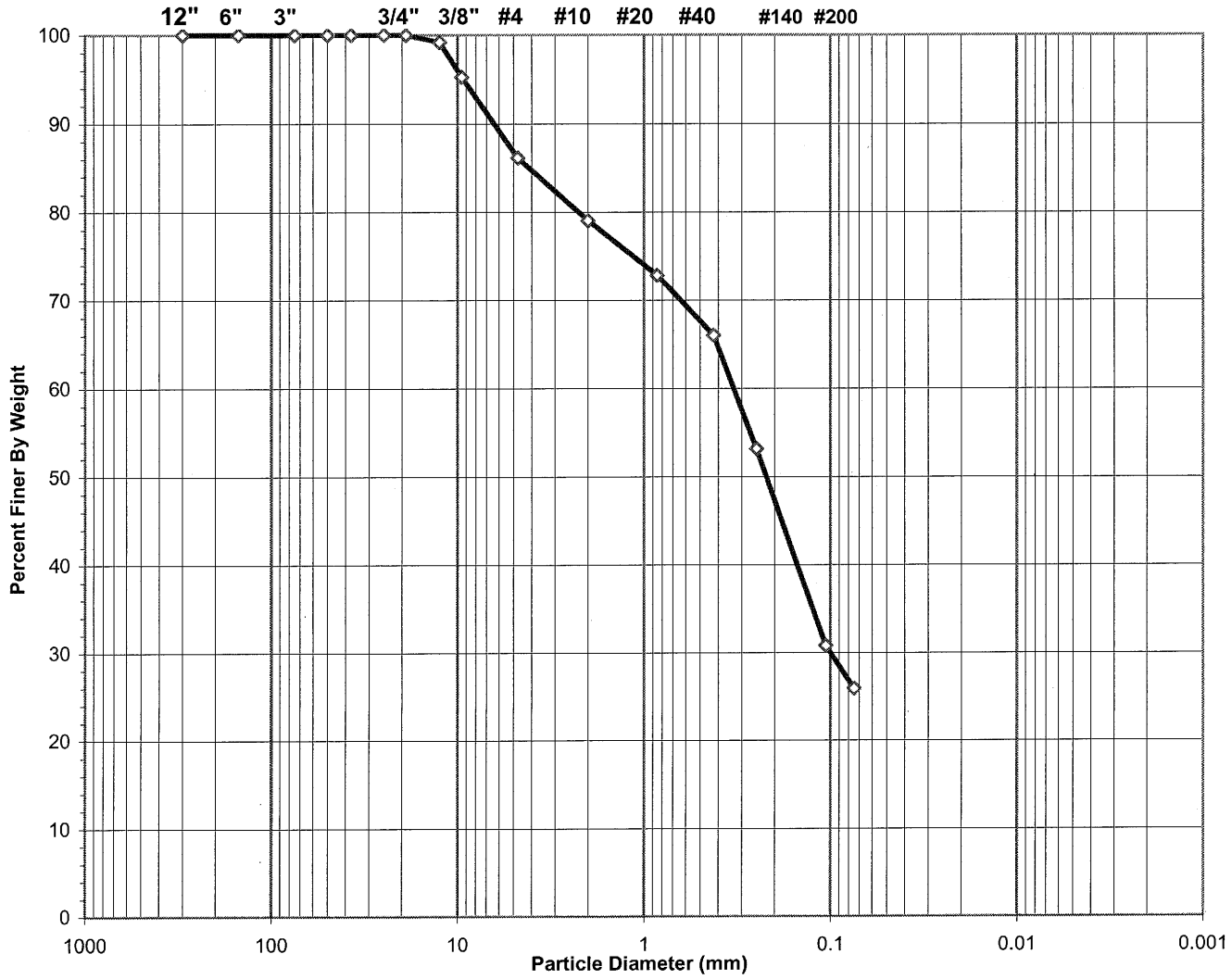
SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Reference	PORT JERVIS	Depth (ft)	SOIL
Project No.	2011-701-03	Sample No.	HOMOGENATE
Lab ID	2011-701-03-01	Soil Color	**GRAY**

	SIEVE ANALYSIS		*HYDROMETER*
USCS	**gravel**	**sand**	**silt and clay**



USCS Symbol ***sm, ASSUMED***

USCS Classification ***SILTY SAND***

Tested By SD Date 2/1/2011 Checked By MMS Date 2-2-11

DCN: CT-S3C DATE 6-25-98 REVISION: 2 *\\SERVER\Data Drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-03-01 SIEVON REV 4.XLS]Sheet1*

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INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Reference	PORT JERVIS	Depth (ft)	SOIL
Project No.	2011-701-03	Sample No.	HOMOGENATE
Lab ID	2011-701-03-01	Soil Color	**GRAY**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	213	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	1267.52	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	1154.05	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	173.24	Weight of Tare (gm)	NA
Weight of Water (gm)	113.47	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	980.81	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**11.6**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	980.81
Dry Weight - 3/4" Sample (gm)	726.5	Weight of minus #200 material (gm)	254.29
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	726.52
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	**Accumulated Percent Finer (%)**
12"	300	0.00	0.0	0.0	100.0	**100.0**
6"	150	0.00	0.0	0.0	100.0	**100.0**
3"	75	0.00	0.0	0.0	100.0	**100.0**
2"	50	0.00	0.0	0.0	100.0	**100.0**
1 1/2"	37.5	0.00	0.0	0.0	100.0	**100.0**
1"	25.0	0.00	0.0	0.0	100.0	**100.0**
3/4"	19.0	0.00	0.0	0.0	100.0	**100.0**
1/2"	12.50	7.90	0.8	0.8	99.2	**99.2**
3/8"	9.50	38.57	3.9	4.7	95.3	**95.3**
#4	4.75	89.24	9.1	13.8	86.2	**86.2**
#10	2.00	69.76	7.1	20.9	79.1	**79.1**
#20	0.850	60.81	6.2	27.1	72.9	**72.9**
#40	0.425	67.14	6.8	34.0	66.0	**66.0**
#60	0.250	125.82	12.8	46.8	53.2	**53.2**
#140	0.106	219.73	22.4	69.2	30.8	**30.8**
#200	0.075	47.55	4.8	74.1	25.9	**25.9**
Pan	-	254.29	25.9	100.0	-	-

Tested By SD Date 2/1/2011 Checked By [illegible] Date 2-2-11

DCN: CT-S3C DATE 6-25-98 REVISION: 2 *\\SERVER\Data Drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-03-01 SIEVON REV 4.XLS]Sheet1*

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Geotechnics
INTEGRITY IN TESTING

February 3, 2011

Project No. 2011-701-04

Mr. David Liles
Arcadis U.S., Inc.
Durham, NC

Transmittal
Laboratory Test Results
Port Jervis B0043021.0001.00003

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.

Michael P. Smith
Regional Manager

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INTEGRITY IN TESTING

COMPRESSIVE STRENGTH OF SOIL CEMENT CYLINDERS

ASTM D-1633

Client: ARCADIS U.S., INC.
Client Project: PORT JERVIS ISSS
Project No: 2011-701-04

FIELD DATA:

Placement Location:	NA	Cylinder Molded By:	CLIENT
Date Placed:	NA	Supplier:	NA
Time:	NA	Proportions:	NA
Slump, in.:	NA	Cement:	NA
Air Content %:	NA	Water:	NA
Air Temp, °F:	NA	Fine Aggregate:	NA
Material Temp, °F:	NA	Admixture:	NA

TEST RESULTS 2"X4" CYLINDERS

LABORATORY ID NUMBER	SPECIMEN ID	TEST AGE (DAYS)	DATE OF TEST	TOTAL LOAD (lbs)	CYL. AREA ($in.^2$)	CYL. L/D	COMPRESSIVE STRENGTH (PSI)	COMPRESSIVE STRENGTH (PSI) CORRECTED[1]	TYPE OF BREAK
701-04-01	ISSS 3A1	7	2.3.11	53	3.14	2.000	17	17	NA
701-04-02	ISSS 3A2	7	2.3.11	49	3.14	2.000	16	16	NA
REQUIRED STRENGTH:									

Notes: 1. Corrected Compressive Strength if L/D less than 1.80.

Tested By JRB *Date* 2.3.11 *Checked By* JRB Date 2.3.11

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DCN: CT-S34A DATE: 1/[illegible] REVISION 1 I:\PROJECTS\2011-701 ARCADIS\2011-701-04 ISSS\3A1, 3A2, UC BREAKS RESULTS.xls]Sheet1

Geotechnics
INTEGRITY IN TESTING

February 7, 2011

Project No. 2011-701-02

Mr. David Liles
Arcadis U.S., Inc.
Durham, NC

Transmittal
Laboratory Test Results
Port Jervis B0043021.0001.00003

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.

Michael P. Smith
Regional Manager

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geotechnics
INTEGRITY IN TESTING

COMPRESSIVE STRENGTH OF SOIL CEMENT CYLINDERS

ASTM D-1633

Client: ARCADIS U.S., INC.
Client Project: PORT JERVIS ISSS
Project No: 2011-701-02

FIELD DATA:

Placement Location:	NA	Cylinder Molded By:	CLIENT
Date Placed:	NA	Supplier:	NA
Time:	NA	Proportions:	NA
Slump, in.:	NA	Cement:	NA
Air Content %:	NA	Water:	NA
Air Temp, °F:	NA	Fine Aggregate:	NA
Material Temp, °F:	NA	Admixture:	NA

TEST RESULTS 2"X4" CYLINDERS

LABORATORY ID NUMBER	SPECIMEN ID	TEST AGE (DAYS)	DATE OF TEST	TOTAL LOAD (lbs)	CYL. AREA ($in.^2$)	CYL. L/D	COMPRESSIVE STRENGTH (PSI)	COMPRESSIVE STRENGTH (PSI) CORRECTED[1]	TYPE OF BREAK
701-02-02	ISSS 5A	28	1.20.11	174	3.14	2.000	55	55	NA
701-02-03	ISSS 5B	28	1.20.11	243	3.14	2.000	77	77	NA
701-02-05	ISSS 6A	28	1.20.11	888	3.14	2.000	283	283	NA
701-02-06	ISSS 6B	28	1.20.11	560	3.14	2.000	178	178	NA
REQUIRED STRENGTH:									

Notes: 1. Corrected Compressive Strength if L/D less than 1.80.

Tested By JRB *Date* 1.20.11 *Checked By* JRB Date 1.20.11

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

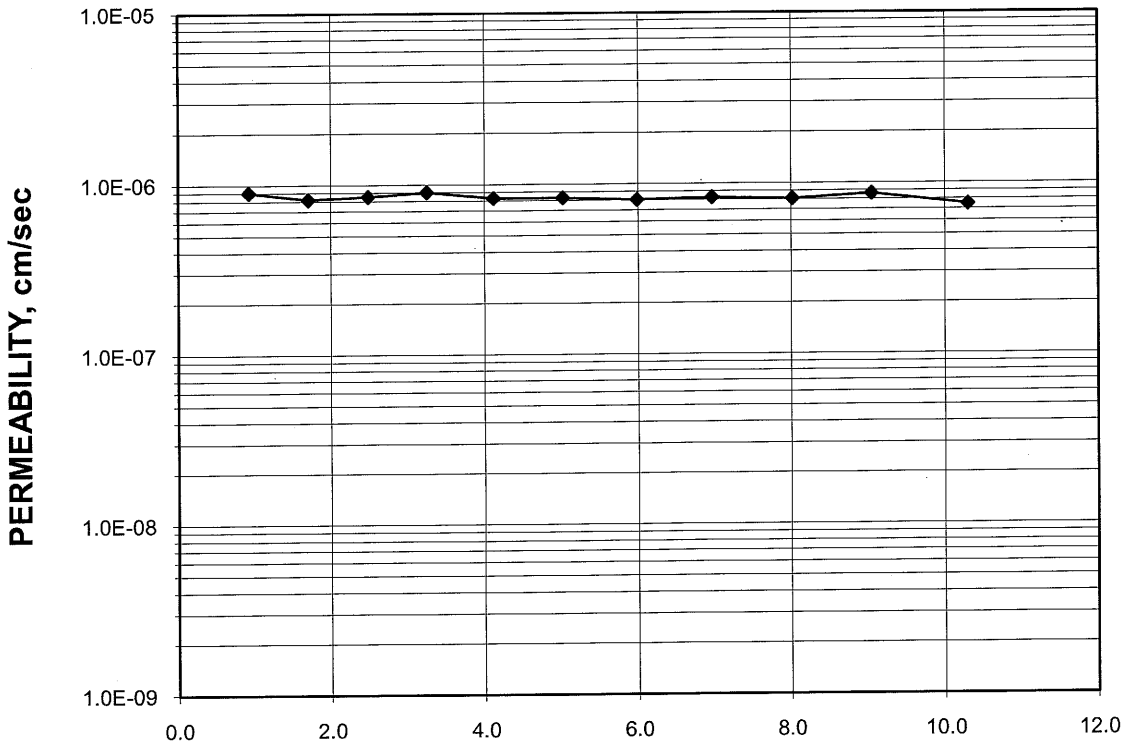
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 3
Lab ID No.	2011-701-02-07		

Visual Description: GRAY SOIL CEMENT

AVERAGE PERMEABILITY = 8.1E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 8.1E-09 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: MPS Date: 1/20/2011 Checked By: JEB Date: 2.7.11

DCN: CT-22A DATE:2-2-10 REVISION:5 \\Server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-02-07 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 3
Lab ID No.	2011-701-02-07		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	808	821
Wt. of Tare & WS (gm.)	217.60	331.33
Wt. of Tare & DS (gm.)	204.96	299.6
Wt. of Tare (gm.)	104.68	136.13
Wt. of Water (gm.)	12.64	31.73
Wt. of DS (gm.)	100.28	163.47
Moisture Content (%)	**12.6**	**19.4**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	411.76	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	411.76	436.65
Length 1 (in.)	3.983	3.991
Length 2 (in.)	4.001	3.986
Length 3 (in.)	3.996	4.005
Top Diameter (in.)	2.033	1.997
Middle Diameter (in.)	2.009	1.999
Bottom Diameter (in.)	2.000	1.999
Average Length (in.)	3.99	3.99
Average Area ($in.^2$)	3.19	3.14
Sample Volume (cm^3)	208.47	205.27
Unit Wet Wt. ($gm./cm^3$)	1.975	2.127
Unit Wet Wt. (pcf)	123.3	132.8
Unit Dry Wt. (pcf)	109.5	111.2
Unit Dry Wt. ($gm./cm^3$)	1.754	1.781
Void Ratio, e	0.539	0.516
Porosity, n	0.350	0.340
Pore Volume (cm^3)	73.0	69.8
Total Wt. Of Sample After Test		416.46

Tested By: MPS Date: 1/20/2011 Checked By: JRB Date: 2.7.11

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 3
Lab ID No.	2011-701-02-07		

Test Pressures

Cell Pressure(psi)	55.0
Back Pressure(psi)	50.0
Eff. Cons. Pressure(psi)	5.0
Response (%)	98

Final Sample Dimensions

Sample Length (cm), L	10.14
Sample Area (cm^2), A	20.23
Pipette Area (cm^2), a_p	0.03142
Annulus Area (cm^2), a_a	0.76712
Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 8.1E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 8.1E-09 m/sec @ 20°C

DATE		TIME		ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
1/21/2011	14	59	55	59.92	0.000	10.6	11.8	23.4	NA
1/21/2011	15	0	50	0.83	0.917	10.2	11.3	23.4	9.0E-07
1/21/2011	15	1	37	1.62	1.700	9.9	10.9	23.4	8.2E-07
1/21/2011	15	2	24	2.40	2.483	9.6	10.6	23.4	8.5E-07
1/21/2011	15	3	10	3.17	3.250	9.3	10.2	23.4	9.0E-07
1/21/2011	15	4	2	4.03	4.117	9.0	9.8	23.4	8.3E-07
1/21/2011	15	4	56	4.93	5.017	8.7	9.4	23.4	8.3E-07
1/21/2011	15	5	54	5.90	5.983	8.4	9.0	23.4	8.1E-07
1/21/2011	15	6	53	6.88	6.967	8.1	8.6	23.4	8.3E-07
1/21/2011	15	7	56	7.93	8.017	7.8	8.2	23.4	8.1E-07
1/21/2011	15	8	58	8.97	9.050	7.5	7.9	23.4	8.6E-07
1/21/2011	15	10	13	10.22	10.300	7.2	7.5	23.4	7.5E-07

Tested By: MPS Date: 1/20/2011 Checked By: JRB Date: 2.7.11

DCN: CT-22A DATE:2-2-10 REVISION:6 S:\server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-02-07 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

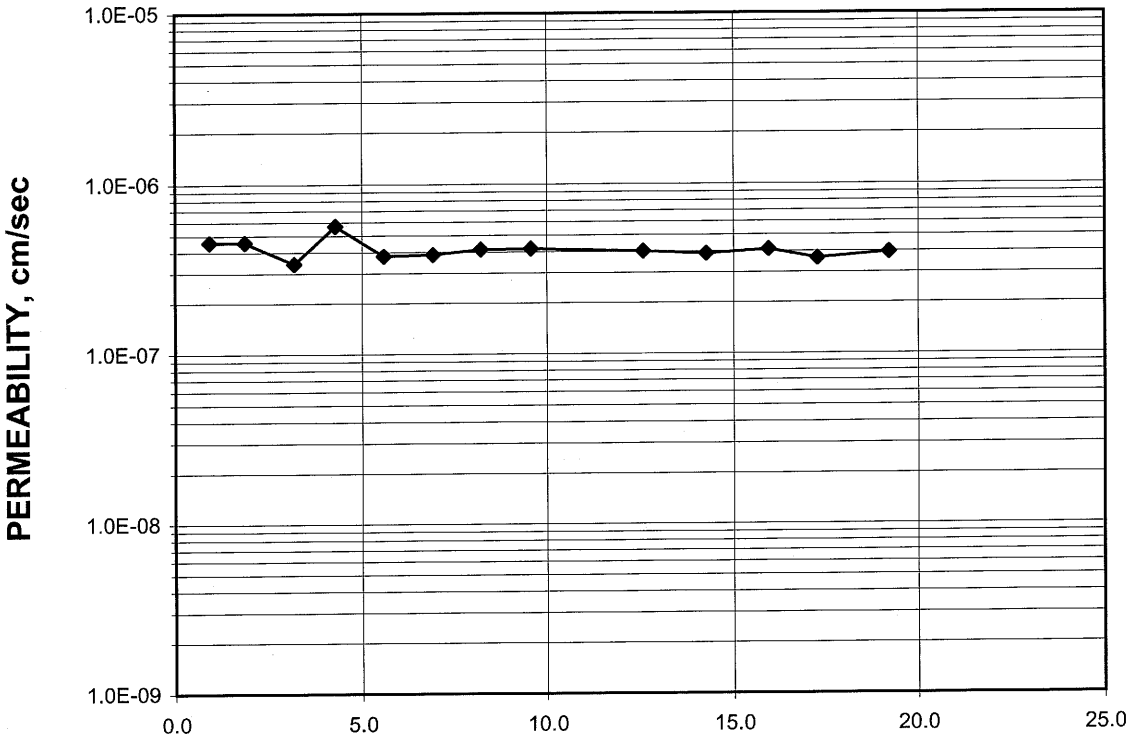
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 5
Lab ID No.	2011-701-02-01		

Visual Description: GRAY SOIL CEMENT

AVERAGE PERMEABILITY = 3.9E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 3.9E-09 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: MPS Date: 1/20/2011 Checked By: MPS Date: 1-24-11

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 5
Lab ID No.	2011-701-02-01		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number		8010
Wt. of Tare & WS (gm.)		573.61
Wt. of Tare & DS (gm.)		509.96
Wt. of Tare (gm.)		136.4
Wt. of Water (gm.)		63.65
Wt. of DS (gm.)		373.56
Moisture Content (%)		**17.0**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	1451.96	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	1451.96	1451.96
Length 1 (in.)	5.991	5.991
Length 2 (in.)	5.976	5.976
Length 3 (in.)	5.982	5.982
Top Diameter (in.)	2.994	2.994
Middle Diameter (in.)	3.023	3.023
Bottom Diameter (in.)	3.077	3.077
Average Length (in.)	5.98	5.98
Average Area ($in.^2$)	7.22	7.22
Sample Volume (cm^3)	707.58	707.58
Unit Wet Wt. ($gm./cm^3$)	2.052	2.052
Unit Wet Wt. (pcf)	128.1	128.1
Unit Dry Wt. (pcf)	109.4	109.4
Unit Dry Wt. ($gm./cm^3$)	1.753	1.753
Void Ratio, e	0.540	0.540
Porosity, n	0.351	0.351
Pore Volume (cm^3)	248.1	248.1
Total Wt. Of Sample After Test		1467.57

Tested By: MPS Date: 1/20/2011 Checked By: MMS Date: 1-24-11

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics — INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 5
Lab ID No.	2011-701-02-01		

Test Pressures		Final Sample Dimensions	
Cell Pressure(psi)	55.0	Sample Length (cm), L	15.20
Back Pressure(psi)	50.0	Sample Area (cm^2), A	46.56
Eff. Cons. Pressure(psi)	5.0	Pipette Area (cm^2), a_p	0.03142
Response (%)	96	Annulus Area (cm^2), a_a	0.76712
		Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 3.9E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 3.9E-09 m/sec @ 20°C

DATE	TIME			ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
1/21/2011	13	36	26	36.43	0.000	10.2	7.6	23.3	NA
1/21/2011	13	37	21	37.35	0.917	9.9	7.3	23.3	4.6E-07
1/21/2011	13	38	18	38.30	1.867	9.6	7.0	23.3	4.6E-07
1/21/2011	13	39	37	39.62	3.183	9.3	6.8	23.3	3.4E-07
1/21/2011	13	40	43	40.72	4.283	8.9	6.4	23.3	5.7E-07
1/21/2011	13	42	1	42.02	5.583	8.6	6.2	23.3	3.8E-07
1/21/2011	13	43	21	43.35	6.917	8.3	5.9	23.3	3.9E-07
1/21/2011	13	44	39	44.65	8.217	8.0	5.7	23.3	4.1E-07
1/21/2011	13	46	0	46.00	9.567	7.7	5.4	23.3	4.2E-07
1/21/2011	13	49	1	49.02	12.583	7.1	4.9	23.3	4.0E-07
1/21/2011	13	50	42	50.70	14.267	6.8	4.6	23.3	3.9E-07
1/21/2011	13	52	23	52.38	15.950	6.5	4.4	23.3	4.1E-07
1/21/2011	13	53	43	53.72	17.283	6.3	4.2	23.3	3.6E-07
1/21/2011	13	55	39	55.65	19.217	6.0	4.0	23.3	4.0E-07

Tested By: MPS Date: 1/20/2011 Checked By: MPS Date: 1-24-11

DCN: CT-22A DATE:2-2-10 REVISION:E R:\SERVER\Data Drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-02-01 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics
INTEGRITY IN TESTING

PERMOMETER METHOD

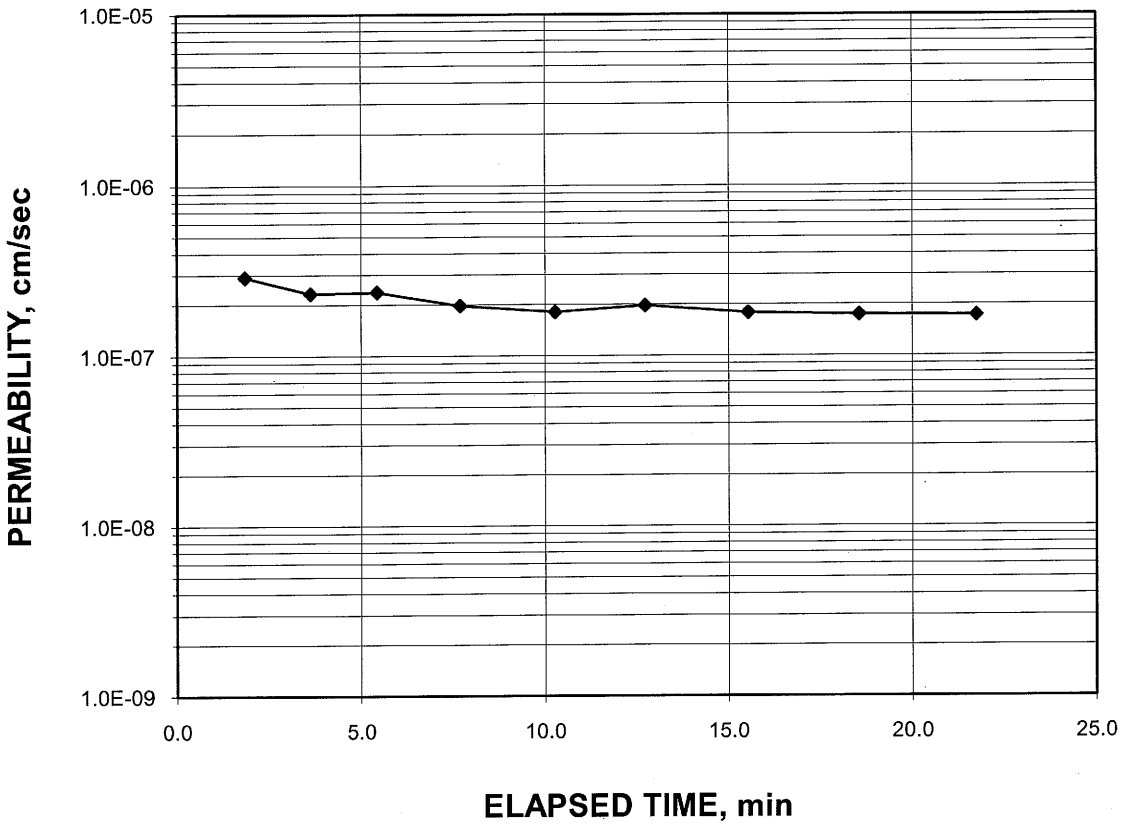
ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 6
Lab ID No.	2011-701-02-04		

Visual Description: GRAY SOIL CEMENT

AVERAGE PERMEABILITY = 1.8E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 1.8E-09 m/sec @ 20°C

PERMEABILITY vs. TIME



Tested By: MPS Date: 1/20/2011 Checked By: JRB Date: 2.7.11

DCN: CT-22A DATE:2-2-10 REVISION:5 S:\server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-02-04 Permometer.xls]Sheet1

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FLEXIBLE WALL PERMEABILITY T

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PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 6
Lab ID No.	2011-701-02-04		
		Specific Gravity	2.70 Assumed
		Sample Condition	Undisturbed

Visual Description: GRAY SOIL CEMENT

MOISTURE CONTENT:	BEFORE TEST	AFTER TEST
Tare Number	814	820
Wt. of Tare & WS (gm.)	228.91	545.47
Wt. of Tare & DS (gm.)	211.55	479.06
Wt. of Tare (gm.)	112.52	136.08
Wt. of Water (gm.)	17.36	66.41
Wt. of DS (gm.)	99.03	342.98
Moisture Content (%)	**17.5**	**19.4**

SPECIMEN:	BEFORE TEST	AFTER TEST
Wt. of Tube & WS (gm.)	1416.35	NA
Wt. of Tube (gm.)	0.00	NA
Wt. of WS (calc.) (gm.)	1416.35	1438.43
Length 1 (in.)	5.971	5.971
Length 2 (in.)	5.955	5.955
Length 3 (in.)	5.862	5.862
Top Diameter (in.)	3.023	3.023
Middle Diameter (in.)	3.009	3.009
Bottom Diameter (in.)	2.998	2.998
Average Length (in.)	5.93	5.93
Average Area ($in.^2$)	7.12	7.12
Sample Volume (cm^3)	691.40	691.40
Unit Wet Wt. ($gm./cm^3$)	2.049	2.080
Unit Wet Wt. (pcf)	127.9	129.9
Unit Dry Wt. (pcf)	108.8	108.8
Unit Dry Wt. ($gm./cm^3$)	1.743	1.743
Void Ratio, e	0.549	0.549
Porosity, n	0.354	0.354
Pore Volume (cm^3)	245.1	245.1
Total Wt. Of Sample After Test		1430.71

Tested By: MPS Date: 1/20/2011 Checked By: JRB Date: 2.7.11

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FLEXIBLE WALL PERMEABILITY TEST

Geotechnics INTEGRITY IN TESTING

PERMOMETER METHOD

ASTM D 5084-03
(SOP-S22C)

Client	ARCADIS U.S., INC.	Boring No.	NA
Client Project	PORT JERVIS	Depth (ft.)	NA
Project No.	2011-701-02	Sample No.	ISSS 6
Lab ID No.	2011-701-02-04		

Test Pressures		Final Sample Dimensions	
Cell Pressure(psi)	55.0	Sample Length (cm), L	15.06
Back Pressure(psi)	50.0	Sample Area (cm^2), A	45.91
Eff. Cons. Pressure(psi)	5.0	Pipette Area (cm^2), a_p	0.03142
Response (%)	98	Annulus Area (cm^2), a_a	0.76712
		Equilibrium Level (cm), R_{eq}	1.4

AVERAGE PERMEABILITY = 1.8E-07 cm/sec @ 20°C
AVERAGE PERMEABILITY = 1.8E-09 m/sec @ 20°C

DATE	TIME				ELAPSED TIME t	PIPETTE READI NG R_p	INCREMENT GRADIENT i	TEMP.	INCREMENTAL PERMEABILITY @ 20°C
(mm/dd/yy)	(hr)	(min)	(sec)	(min)	(min)	(cm)	(cm/cm)	(°C)	(cm/sec)
1/21/2011	14	4	7	4.12	0.000	10.7	8.1	23.4	NA
1/21/2011	14	5	57	5.95	1.833	10.3	7.7	23.4	2.9E-07
1/21/2011	14	7	44	7.73	3.617	10.0	7.5	23.4	2.3E-07
1/21/2011	14	9	33	9.55	5.433	9.7	7.2	23.4	2.4E-07
1/21/2011	14	11	49	11.82	7.700	9.4	6.9	23.4	2.0E-07
1/21/2011	14	14	23	14.38	10.267	9.1	6.7	23.4	1.8E-07
1/21/2011	14	16	50	16.83	12.717	8.8	6.4	23.4	2.0E-07
1/21/2011	14	19	39	19.65	15.533	8.5	6.2	23.4	1.8E-07
1/21/2011	14	22	40	22.67	18.550	8.2	5.9	23.4	1.7E-07
1/21/2011	14	25	51	25.85	21.733	7.9	5.6	23.4	1.7E-07

Tested By: MPS Date: 1/20/2011 Checked By: JRB Date: 2.7.11

DCN: CT-22A DATE:2-2-10 REVISION:5 S:\Server\data drive\2011 PROJECTS\2011-701 ARCADIS\[2011-701-02-04 Permometer.xls]Sheet1

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Attachment C

ARCADIS SOP for Monolith Leaching

ARCADIS Standard Operating Procedure

Monolith Leaching Method

Overview

This leaching test is a quasi-dynamic procedure intended for application to solidified samples of soils impacted with organic and/or inorganic constituents of concern (COCs). The solidified samples constitute "monoliths" and are created through the addition of various (often pozzolanic) admixtures. The geotechnical characteristics of monoliths including unconfined compressive strength (ASTM D-1633) and permeability (ASTM D-5084-03) are initially tested. Selected monoliths with acceptable geotechnical characteristics are then leached using this procedure to document reduction in contaminant transport.

This method includes elements of both EPA Method 1312 (Synthetic Precipitation Leaching Procedure [SPLP]) and American Nuclear Society Standard 16.1-1986 (ANS 16.1-1986). During the implementation of the method, monoliths are immersed in deionized water, which is replaced at 24-hour intervals and analyzed for COCs at a specified frequency (further described below).

Method 8270 Semivolatile Organic Compounds and RCRA Metals Extraction

Monolith - cast cylinder (2-inch x 4-inch mold) Surface Area = 202.5 cm^2

Per Method 1312, the leaching vessel should be constructed of unreactive materials and designed for the extraction of organic chemicals and metals. The solidified monolithic sample will be placed in the test vessel. The extraction liquid volume will be 2 Liters **(10 times the monolith's surface area as adopted from ANS 16.1)**. The monolith must be immersed such that >98% of the specimen is in contact with the leachate at all times.

The leaching vessel will sit quiescently in the dark at ambient temperature for 24 hours. After the 24 hour leaching interval, the aqueous contents of the leaching vessel will be poured off, preserved, and stored according to EPA Method 8270 or EPA Method 6010. This step may be repeated on individual monolith samples with regular analysis of the leachate according to EPA Method 8270 as determined by site-specific conditions until: 1) leachate concentrations are below regulatory criteria; 2) leachate concentrations reach a steady-state condition (where concentrations remain relatively unchanged between leaching cycles); or 3) up to thirty total leaching cycles have been completed. Analyses will be performed on leachate from every fifth leaching cycle (e.g., cycle 1, cycle 5, cycle 10, cycle 15, etc.).

Method 8260 Volatile Organic Compound Extraction

Monolith - cast cylinder (reduced 50cc tube – diameter 2.5cm, height cut to 5.1cm along the lines marked on the cylinders) Surface Area = 50.0 cm^2

Per Method 1312, the leaching vessel should be constructed of unreactive materials and designed for the extraction of organic chemicals. The solidified monolithic sample will be placed in the test vessel. The extraction fluid volume will be 500 ml **(10 times the**

monolith's surface area as adopted from ANS 16.1) to create a zero head space condition.

The leaching vessel will sit quiescently in the dark at ambient temperature for 24 hours. After the 24 hour leaching interval, the aqueous contents of the leaching vessel will be poured off, preserved, and stored according to EPA Method 8260. This step may be repeated on individual monolith samples with regular analysis of the leachate according to EPA Method 8260 as determined by site-specific conditions until: 1) leachate concentrations are below regulatory criteria; 2) leachate concentrations reach a steady-state condition (where concentrations remain relatively unchanged between leaching cycles); or 3) up to thirty total leaching cycles have been completed. Analyses will be performed on leachate from every fifth leaching cycle (e.g., cycle 1, cycle 5, cycle 10, cycle 15, etc.).

References

EPA Method 1312 – Synthetic Precipitation Leaching Procedure (SPLP).

Standard drafted by the American Nuclear Society Standards Committee (ANS) 16.1-1986.